From: Menschik, David
To: Su, John (CDC); Shimabukuro, Tom (CDC)
Cc: Marquez, Paige L (CDC); Nair, Narayan; Alimchandani, Meghna; Zinderman, Craig E; Baer, Bethany
Subject: Data mining
Date: Tuesday, January 12, 2021 1:51:05 PM
Attachments: DE VAERS data mining_20200110_DRAFT.pptx

Dear John and Tom,

　　　Our core weekly data mining run (previously refreshing monthly) called "VAERS Signals Weekly US All" was just refreshed this afternoon (as of date 1/10/21) and there are no EB05's >2 for any COVID vaccines. Attached are 3 slides providing contextual information including caveats and limitations that we can discuss at our weekly meeting on Thursday at 2pm.

Best,

David

Data Mining Introduction*

- Statistical method for identifying disproportionality (excess of reported adverse event [AE] for a product relative to other products)

- Hypothesis generating
  - Statistical signal of disproportional reporting (SSDR) ≠ safety signal

- Absence of disproportionality does not confirm absence of safety signal nor negate a signal otherwise detected

*Best Practices in Drug and Biological Product Postmarket Safety Surveillance for FDA Staff (November 2019; Draft). Available at https://www.fda.gov/media/130216/download

DE Data Mining Methods

- Empirica™ Signal software (Oracle)
- Calculates Empiric Bayes Geometric Mean (EBGM) using observed to expected (O/E) vaccine-AE pair ratios
  - EBGM derived from statistical model (Multi-item Gamma Poisson Shrinker; MGPS) that accounts for instability from small numbers*
- Results adjusted by gender, year received and age
- Vaccine-AE pairs ranked by lower 5% bound of EBGM confidence interval (EB05)
- Standard threshold for alert: EB05 ≥2

*Szarfman A, Tonning JM, Doraiswamy PM. Pharmacovigilance in the 21st century: new systematic tools for an old problem. Pharmacotherapy. 2004 Sep;24(9):1099-104. doi: 10.1592/phco.24.13.1099.38090. PMID: 15460169.

Limitations of Data Mining Include: FDA

- Impacted by stimulated reporting (e.g., V-safe program, media reports)

- Potential statistical interaction (e.g., If vaccines X and Y often given concomitantly, statistical signal for vaccine X and AE Z may be driven by vaccine Y)

- MedDRA constraints (e.g., Signal X can be reflected in multiple PTs that individually do not reach alert threshold)

- Confounding by indication and other VAERS limitations (e.g., underreporting, variable reporting by source, incomplete reporting, duplicate reporting)

Hi John and Tom,

In addition to the overall run (mentioned in earlier email below) which now refreshes weekly, we have our pre-existing (refreshing monthly) subset runs (and I've added a line to the second attached slide to describe them) which have an earlier 'as of date' of 1/6/21. For all of these subset runs for both EUA COVID vaccines, a total of 4 PTs had an EB05 of >2, all of which were in the age 45 - <65 year ("Adult2") subset and that output is as follows:

Drug	Event	Adult2 EB05 20210106	N
COVID19 (COVID19 (PFIZER-BIONTECH))	Dysgeusia	2.118	49
COVID19 (COVID19 (PFIZER-BIONTECH))	Flushing	2.408	118
COVID19 (COVID19 (PFIZER-BIONTECH))	Palpitations	2.004	104
COVID19 (COVID19 (PFIZER-BIONTECH))	Paraesthesia oral	2.184	88

Please feel free to share this hypothesis generating output along with the limitations reflected in the slides with your team/command chain, though these are not intended to be shared more broadly.

Best,
David

PS: I'm planning to be on the 6pm call tonight and available to answer any questions

---

From: Menschik, David
Sent: Tuesday, January 12, 2021 1:51 PM
To: Su, John (CDC) <ezu2@cdc.gov>; Shimabukuro, Tom (CDC) <ayv6@cdc.gov>
Cc: Marquez, Paige L (CDC) <fqv9@cdc.gov>; Narayan Nair (Narayan.Nair@fda.hhs.gov) <Narayan.Nair@fda.hhs.gov>; Alimchandani, Meghna <Meghna.Alimchandani@fda.hhs.gov>; Zinderman, Craig E <Craig.Zinderman@fda.hhs.gov>; Baer, Bethany <Bethany.Baer@fda.hhs.gov>
Subject: Data mining

Dear John and Tom,

Our core weekly data mining run (previously refreshing monthly) called "VAERS Signals Weekly US All" was just refreshed this afternoon (as of date 1/10/21) and there are no EB05's >2 for any COVID vaccines. Attached are 3 slides providing contextual information including caveats and limitations that we can discuss at our weekly meeting on Thursday at 2pm.

Best,

David

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- Vaccine-PT pairs ranked by lower 5% bound of EBGM confidence interval (EB05)
  - Subsets available monthly for age (0-1, 2-8, 9-18, 19-44, 45-64, $\geq$65, unknown), gender, and serious/fatal
- Standard threshold for alert: EB05 ≥2

*Szarfman A, Tonning JM, Doraiswamy PM. Pharmacovigilance in the 21st century: new systematic tools for an old problem. Pharmacotherapy. 2004 Sep;24(9):1099-104. doi: 10.1592/phco.24.13.1099.38090. PMID: 15460169.

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- Potential statistical interaction (e.g., If vaccines X and Y often given concomitantly, statistical signal for vaccine X and AE Z may be driven by vaccine Y)

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- Confounding by indication and other VAERS limitations (e.g., underreporting, variable reporting by source, incomplete reporting, duplicate reporting)

From:	Menschik, David
To:	Su, John (CDC)
Cc:	Marquez, Paige L (CDC); Nair, Narayan; Zinderman, Craig E; Alimchandani, Meghna
Subject:	Weekly data mining
Date:	Tuesday, February 2, 2021 7:57:05 AM

Good morning John,

Our "VAERS Signals Weekly US All" run had no alerts (EB05>2) for any PT for either EUA COVID vaccine (as of 1/29/21).

Best,

David

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC)
Cc:	Marquez, Paige L (CDC); Nair, Narayan; Zinderman, Craig E; Alimchandani, Meghna
Subject:	RE: Weekly data mining
Date:	Tuesday, February 2, 2021 5:01:18 PM

Will plan to include you on such future emails – sorry for excluding you Tom!

From: Shimabukuro, Tom (CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>
Sent: Tuesday, February 02, 2021 5:00 PM
To: Su, John (CDC) <ezu2@cdc.gov>; Menschik, David <David.Menschik@fda.hhs.gov>
Cc: Marquez, Paige L (CDC) <fqv9@cdc.gov>; Nair, Narayan <Narayan.Nair@fda.hhs.gov>;
Zinderman, Craig E <Craig.Zinderman@fda.hhs.gov>; Alimchandani, Meghna
<Meghna.Alimchandani@fda.hhs.gov>
Subject: RE: Weekly data mining

Thanks. Please include me on these data mining email.
Tom

From: Su, John (CDC/DDID/NCEZID/DHQP) <ezu2@cdc.gov>
Sent: Tuesday, February 2, 2021 9:26 AM
To: Menschik, David (FDA/CBER) <David.Menschik@fda.hhs.gov>
Cc: Marquez, Paige L. (CDC/DDID/NCEZID/DHQP) <fqv9@cdc.gov>; Nair, Narayan (FDA/CBER)
<Narayan.Nair@fda.hhs.gov>; Zinderman, Craig E (FDA/CBER) <Craig.Zinderman@fda.hhs.gov>;
Alimchandani, Meghna (FDA/CBER) <Meghna.Alimchandani@fda.hhs.gov>; Shimabukuro, Tom
(CDC/DDID/NCEZID/DHQP) <ayv6@cdc.gov>
Subject: RE: Weekly data mining

Hi David,

Thanks for sharing! Good to know. CCing Tom for his awareness. Thanks again!

- Joh

From: Menschik, David <David.Menschik@fda.hhs.gov>
Sent: Tuesday, February 2, 2021 7:57 AM
To: Su, John (CDC/DDID/NCEZID/DHQP) <ezu2@cdc.gov>
Cc: Marquez, Paige L. (CDC/DDID/NCEZID/DHQP) <fqv9@cdc.gov>; Nair, Narayan (FDA/CBER)
<Narayan.Nair@fda.hhs.gov>; Zinderman, Craig E (FDA/CBER) <Craig.Zinderman@fda.hhs.gov>;
Alimchandani, Meghna (FDA/CBER) <Meghna.Alimchandani@fda.hhs.gov>
Subject: Weekly data mining

Good morning John,

Our "VAERS Signals Weekly US All" run had no alerts (EB05>2) for any PT for either EUA

COVID vaccine (as of 1/29/21).

Best,

David

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Nair, Narayan; Zinderman, Craig E; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	Data mining
Date:	Tuesday, February 23, 2021 6:48:00 AM

Hi John and Tom,

Our "VAERS Signals Weekly US All" run had no alerts (EB05>2) for any PT for any EUA COVID vaccine (as of 2/18/21).

Thanks,
David

Good morning John and Tom,

This "US Signals Summary Table" had no alerts (EB05>2) for any PT for any EUA COVID vaccine (as of 3/5/21).

Thanks,
David

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Nair, Narayan; Zinderman, Craig E; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	Weekly data mining
Date:	Tuesday, March 16, 2021 7:13:14 AM
Attachments:	USST 20210311.xls
	DE VAERS data mining methods and limitations_2021_03_DRAFT.pptx

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our 'US Signals Summary Table' ('as of date' 3/11/21) along with 3 slides providing contextual information including caveats and limitations. Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210311	US Serious EB05 20210311	US Fatal EB05 20210311	US Infant EB05 20210311	US Child EB05 20210311	US Teen EB05 20210311	US Adult1 EB05 20210311	US Adult2 EB05 20210311	US Adult3 EB05 20210311	US Female EB05 20210311	US Male EB05 20210311
COVID19 (COVID19 (JANSSEN))	Chills	2.267					0.571	2.092	1.651	1.572	2.184	1.697

Data Mining Introduction*

- Statistical method for identifying disproportionality (excess of reported AE for product relative to other products) in large database
- Can be useful for screening and hypothesis generating only
  - Evaluate findings in clinical and epidemiological context (e.g., unexpected?)
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  - Statistical signal of disproportionality ≠ safety signal
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*Best Practices in Drug and Biological Product Postmarket Safety Surveillance for FDA Staff (November 2019; Draft). Available at https://www.fda.gov/media/130216/download

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- Vaccine-PT pairs ranked by lower 5% bound of EBGM CI (EB05)
- Standard alert threshold: EB05 >2
- Weekly US summary table includes subset alerts for age (0-1, 2-8, 9-18, 19-44, 45-64, and >65 years), gender, and serious/fatal

*Szarfman A, Tonning JM, Doraiswamy PM. Pharmacovigilance in the 21st century: new systematic tools for an old problem. Pharmacotherapy. 2004 Sep;24(9):1099-104. doi: 10.1592/phco.24.13.1099.38090. PMID: 15460169.

Limitations of Data Mining Include:

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- Confounding (e.g., by indication)
- Other VAERS limitations (e.g., underreporting, variable reporting by source, incomplete reporting, duplicate reporting)

From:	Zinderman, Craig E
To:	Menschik, David; Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, March 23, 2021 2:00:03 PM
Attachments:	USST 2021_0319.xls
	DE VAERS data mining methods and limitations_2021_03_DRAFT.pptx

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our 'US Signals Summary Table' ('as of date' 3/19/21) along with 3 slides providing contextual information including caveats and limitations.   Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
Craig

Drug	Event	US EB05 20210319	US Serious EB05 20210319	US Fatal EB05 20210319	US Infant EB05 20210319	US Child EB05 20210319	US Teen EB05 20210319	US Adult1 EB05 20210319	US Adult2 EB05 20210319	US Adult3 EB05 20210319	US Female EB05 20210319	US Male EB05 20210319	Comment
COVID19 (COVID19 (JANSSEN))	Chills	2.26	0.935	0.892			1.012	2.074	2.085	1.965	2.363	1.742	
COVID19 (COVID19 (JANSSEN))	Feeling cold	2.47						2.822	1.257	1.048	2.595	0.938	
COVID19 (COVID19 (JANSSEN))	Hyperhidrosis	1.898	0.873				0.567	2.04	1.369	0.554	1.615	1.687	
COVID19 (COVID19 (JANSSEN))	Pyrexia	2.041	0.928	0.892			0.971	1.95	1.845	1.559	2.098	1.651	
COVID19 (COVID19 (JANSSEN))	Tremor	2.074	0.693					1.825	1.553	0.997	1.942	1.276	

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Thanks,
David

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Drug	Event	US EB05 20210326	US Serious EB05 20210326	US Fatal EB05 20210326	US Infant EB05 20210326	US Child EB05 20210326	US Teen EB05 20210326	US Adult1 EB05 20210326	US Adult2 EB05 20210326	US Adult3 EB05 20210326	US Female EB05 20210326	US Male EB05 20210326	Comment
COVID19 (COV D19 (JANSSEN))	Chills	1.969	0.951	0.893			1 022	1.862	1.826	2.223	2.088	1.548	
COVID19 (COV D19 (JANSSEN))	Fall	1.002	0.287				0 524	2.037	0.71	0.255	1.038	0.642	
COVID19 (COV D19 (JANSSEN))	Feeling cold	2.186						2.282	1.35	1.448	2.246	1.19	
COVID19 (COV D19 (JANSSEN))	Hyperhidrosis	1.875	0.91				0.729	2.003	1.403	0.956	1.741	1.736	
COVID19 (COV D19 (JANSSEN))	Syncope	1.781	0.799					2.194	1.133	0.605	1.67	1.415	
COVID19 (COV D19 (JANSSEN))	Vital signs measurement	2.313						1.739	0.673	0.886	1.497	0.974	

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our 'US Signals Summary Table' ('as of date' 4/8/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20210408	US Serious EB05 20210408	US Fatal EB05 20210408	US Infant EB05 20210408	US Child EB05 20210408	US Teen EB05 20210408	US Adult1 EB05 20210408	US Adult2 EB05 20210408	US Adult3 EB05 20210408	US Female EB05 20210408	US Male EB05 20210408	Comment
COVID19 (COVID19 (JANSSEN))	Fall	1.053	0.483	0.893			0.506	2.127	0.657	0.276	1.035	0.838	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.968	0.411	0.896				2.141	1.399	1.357	2.013	1.385	
COVID19 (COVID19 (JANSSEN))	Loss of consciousness	1.752	0.907				0.484	2.087	1.343	0.516	1.514	1.701	
COVID19 (COVID19 (JANSSEN))	Syncope	1.814	0.744	0.894			0.559	2.095	1.318	0.549	1.708	1.566	
COVID19 (COVID19 (JANSSEN))	Syringe issue	2.337					0.547	1.651	2.013	0.692	1.614	2.053	
COVID19 (COVID19 (JANSSEN))	Vital signs measurement	2 53	0.706					2.637	1.144	1.292	2.151	1.81	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body temperature	1.839	1.008	0 896		0 536	0.565	1.958	2.095	1.761	1.799	1.653	

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 4/16/21).   Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20210416	US Serious EB05 20210416	US Fatal EB05 20210416	US Infant EB05 20210416	US Child EB05 20210416	US Teen EB05 20210416	US Adult1 EB05 20210416	US Adult2 EB05 20210416	US Adult3 EB05 20210416	US Female EB05 20210416	US Male EB05 20210416	Comment
COVID19 (COVID19 (JANSSEN))	Fall	1.498	0.751	0.887			0.652	2.409	1.007	0.447	1.446	1.318	
COVID19 (COVID19 (JANSSEN))	Loss of consciousness	1.975	0.958	0.89			0.751	2.29	1.569	0.582	1.862	1.857	
COVID19 (COVID19 (JANSSEN))	Syncope	1.979	0.783	0.884			0.843	2.224	1.588	0.58	1.88	1.846	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	2.368						0.539		0.558	0.992	0.692	
COVID19 (COVID19 (JANSSEN))	Thrombosis	1.282	2.317	0.904				0.671	1.094	1.005	1.268	0.903	
COVID19 (COVID19 (JANSSEN))	Vital signs measurement	2.308	0.662				0.525	2.247	1.491	1.497	2.245	1.803	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body temperature	1.786	1.028	0.89		0.538	0.545	1.994	2.064	1.758	1.763	1.636	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, April 27, 2021 8:41:55 AM
Attachments:	USST_20210423.xls

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 4/23/21).   Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20210423	US Serious EB05 20210423	US Fatal EB05 20210423	US Infant EB05 20210423	US Child EB05 20210423	US Teen EB05 20210423	US Adult1 EB05 20210423	US Adult2 EB05 20210423	US Adult3 EB05 20210423	US Female EB05 20210423	US Male EB05 20210423	Comment
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.026	0.67					0.596	0.428	0.631	1.353	1.077	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	1.354	2.103	0.878			0.541	0.755	1.05	0.847	1.249	0.767	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	1.541	2.601	0.88				1.124	1.001	0.918	1.478	0.854	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	1.838	2.871	0.887			0.541	1.466	1.156	0.639	1.694	0.771	
COVID19 (COVID19 (JANSSEN))	Heavy menstrual bleeding	2.36	0.798					2.389	1.5		2.344		
COVID19 (COVID19 (JANSSEN))	Interchange of vaccine products	1.636					0.586	1.068	1.29	2.222	1.554	1.328	
COVID19 (COVID19 (JANSSEN))	Menstruation irregular	2.122						2.047	1.554		2.075		
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	1.281	2.092	0.887	0.605		0.484	1.047	1.104	1.289	1.349	1.034	
COVID19 (COVID19 (JANSSEN))	Syncope	1.794	0.815	0.88			1.026	2.001	1.557	0.461	1.803	1.647	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.214	3.039	1.986	0.605		0.597	2.001	1.9	2.112	2.372	1.587	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	1.707	2.129	0.882				1.048	1.419	1.271	1.758	1.05	
COVID19 (COVID19 (MODERNA))	Injection site pruritus	1.985	0.958				0.462	2.026	2.03	1.721	1.975	1.948	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.102	1.508	0.883			0.565	1.758	1.733	1.837	2.031	1.638	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	2.075					0.64	1.247	1.632	2.074	1.962	1.79	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product use issue	2.086	0.942	0.878				1.94	1.698	1.507	2.031	1.377	
COVID19 (COVID19 (PFIZER-BIONTECH))	Vaccination site pain	2.01	0.778	0.872			0.508	2.165	2.082	1.614	1.905	2.032	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.042	0.983	0.88				1.3	1.527	1.781	1.89	1.455	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, May 11, 2021 7:07:31 AM

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/7/21).   Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, May 11, 2021 8:40:34 AM
Attachments:	USST_20210507.xls

Apologies all for forgetting the attachment – please see attached.

Thanks,
David

From: Menschik, David
Sent: Tuesday, May 11, 2021 7:07 AM
To: Su, John (CDC) <ezu2@cdc.gov>; Shimabukuro, Tom (CDC) <ayv6@cdc.gov>
Cc: Zinderman, Craig E <Craig.Zinderman@fda.hhs.gov>; Nair, Narayan <Narayan.Nair@fda.hhs.gov>; Alimchandani, Meghna <Meghna.Alimchandani@fda.hhs.gov>; Marquez, Paige L (CDC) <fqv9@cdc.gov>; Broder, Karen R (CDC) <krb2@cdc.gov>; Harrington, Theresa (CDC) <tsh3@cdc.gov>
Subject: RE: Weekly data mining

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/7/21).   Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20210507	US Serious EB05 20210507	US Fatal EB05 20210507	US Infant EB05 20210507	US Child EB05 20210507	US Teen EB05 20210507	US Adult1 EB05 20210507	US Adult2 EB05 20210507	US Adult3 EB05 20210507	US Female EB05 20210507	US Male EB05 20210507	Comment
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.113	0.661					0.697	0.384	0.734	1.706	1.223	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.338	2.721	0.88			0.548	1.06	1.415	3.837	2.055	1.245	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	1.818	2.268					1.071	1.598	1.406	1.873	1.259	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.168	2.678	0.888	0.61			1.542	1.516	2.175	2.408	1.391	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	2.315	2.771	0.889			0.548	1.642	1.785	0.632	2.058	1.193	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	1.982	2.344	0.916	0.61		0.548	1.631	1.627	1.446	2.408	1.046	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.118	1.923	0.891				1.768	1.898	2.349	2.373	1.666	
COVID19 (COVID19 (JANSSEN))	Dysmenorrhoea	1.96	0.707					2.074	0.941		1.929		
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.389	1.541	0.888			0.501	2.274	1.81	2.264	2.595	1.4	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.152	0.887					2.075	1.565	0.702	2.295	1.025	
COVID19 (COVID19 (JANSSEN))	Heavy menstrual bleeding	2.365	0.769					2.498	1.552		2.353		
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	2.813	2.707	0.884				1.019	1.237	1.411	2.391	0.884	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.519	2.201	0.882				1.233	0.791	0.644	1.463	0.607	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.692	2.063	0.879			0.547	1.613	1.362	1.327	1.769	1.243	
COVID19 (COVID19 (JANSSEN))	Menstruation irregular	2.174						2.182	1.528		2.143		
COVID19 (COVID19 (JANSSEN))	Platelet count	1.786	2.106	0.89	0.61		0.521	1.235	1.939	1.19	2.068	0.941	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.313	2.259	0.885			0.482	1.788	2.243	1.575	2.703	1.362	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	1.662	1.919	0.888	0.61		0.593	1.176	1.524	2.05	1.885	1.265	
COVID19 (COVID19 (JANSSEN))	Syncope	1.797	0.903	0.885	0.61		0.899	2.039	1.566	0.646	1.787	1.71	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	2.158						0.753	1.12	0.942	1.513	1.419	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.255	2.649	0.999	0.61		0.561	2.034	2.126	3.398	2.564	1.676	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	1.792	2.049	0.881				1.168	1.237	0.563	1.463	0.922	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.021	1.344	0.883			0.548	1.717	1.741	1.613	2.116	1.461	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.306	2.333	0.886				1.507	1.809	2.256	2.612	1.501	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	1.715	2.299				0.548	1.358	1.211		1.547	0.902	
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.314	2.832	0.883				2.046	1.409	0.673	3.449	0.869	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.113				0.521	0.562	0.768	0.834	0.878	1.059	0.917	
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.038						0.586	0.493	0.57	0.501	0.696	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.134	1.625	0.891			0.793	2	2.211	2.087	1.946	1.925	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.212	1.712	0.888			0.638	1.862	1.953	2.076	2.138	1.876	
COVID19 (COVID19 (PFIZER-BIONTECH))	Off label use	1.76	1.064	0.882			0.28	2.011	1.67	1.687	1.791	1.378	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	2.035					0.698	1.29	1.569	2.145	1.89	1.855	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product use issue	2.117	0.969	0.881			0.512	1.954	1.713	1.619	2.065	1.458	
COVID19 (COVID19 (PFIZER-BIONTECH))	SARS-CoV-2 test	1.958	1.612	0.898			1.313	1.953	2.02	1.828	1.91	1.856	
COVID19 (COVID19 (PFIZER-BIONTECH))	Vaccination site pain	1.942	0.751	0.875			0.601	2.067	1.953	1.645	1.868	1.92	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.179	1.242	0.884				1.459	1.845	2.022	2.072	1.71	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, May 18, 2021 7:08:31 AM
Attachments:	USST_20120514.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/14/21).   Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20210514	US Serious EB05 20210514	US Fatal EB05 20210514	US Infant EB05 20210514	US Child EB05 20210514	US Teen EB05 20210514	US Adult1 EB05 20210514	US Adult2 EB05 20210514	US Adult3 EB05 20210514	US Female EB05 20210514	US Male EB05 20210514	Comment
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2 064	0 628					0 639	0.378	0.742	1.699	1 236	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.55	2 605	0.884			0 55	1.118	1.466	4 639	2.474	1.301	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	1 963	2.164					1.175	1.735	1.46	2.023	1.36	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2 314	2 546	0.893	0.611			1.78	1.534	3.24	3.005	1.42	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	2.742	2 846	0.892			0 55	1.975	1.933	0.633	2.553	1.2	
COVID19 (COV D19 (JANSSEN))	Cerebral venous thrombosis	1.84	2.138	0.885				1.128	0.937	0.66	1.529	0.811	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.142	2 261	0.909	0 611		0 55	1 813	1.705	1 651	2 81	1.171	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2 267	1 878	0.893			0.527	1 915	2.031	2 689	2.682	1.702	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2 502	1 532	0.891			0.509	2 238	1.97	3 319	2.711	1 511	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	1.82	1.413	0.892			0.563	1 383	1.747	1.39	2.083	0.98	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2 239	0.9					2.145	1.642	0.696	2.449	1 063	
COVID19 (COV D19 (JANSSEN))	Heavy menstrual bleeding	2 251	0.714					2 376	1.554		2.249	0.54	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	3.732	2 839	0.887				1.128	1.357	2 058	3.867	0.963	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	1 669	2 279	0.886				1.373	0.82	0.644	1.632	0.612	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.877	2 085	0.883			0.563	1 669	1.502	1 608	2 05	1 339	
COVID19 (COV D19 (JANSSEN))	Menstruation irregular	2.102						2.05	1.619		2.072	0.565	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	2.168	1 387	0.885				0 525	0.879	1 965	1.59	0.825	
COVID19 (COV D19 (JANSSEN))	Platelet count	1 928	2.12	0.893	0.611		0.509	1.402	2.146	1 226	2.229	1 043	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.477	2.178	0.889			0.474	1 885	2.464	1 639	3.028	1.431	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	2 391	2.133	0.886				1.103	1.042	0 676	1 92	0.738	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	1 831	1 868	0.891	0 611		0.603	1 315	1.67	2 299	2.076	1 399	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	2 689						0 875	1.605	5.402	1.928	1 831	
COVID19 (COV D19 (JANSSEN))	Thrombophlebitis superficial	2.105	0 975	0.887			0 55	1 301	1.404	1.44	1.698	1.482	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2 293	2.535	1.881	0.611		0.575	2 017	2.301	3.465	2.653	1.709	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2 253	2 287	0.885				1.286	1.32	0 662	1.907	0 931	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2 052	1 285	0.887			0 55	1.67	1.804	1 689	2.302	1 362	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2 569	2.36	0.889				1.742	1.981	2 865	3.199	1 611	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan	1 909	1.15		0.6			1 344	2.019	2 012	1.899	1 641	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1 872	1 022					1 258	1.754	1.153	2.057	0.86	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2 027	2.455				0 55	1 501	1.275	0.548	1.841	0 991	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.137	3 081	0.887				2.96	1.662	0 676	4.439	0 956	
COVID19 (COV D19 (MODERNA))	Poor quality product administered	2.152				0.528	0.562	0.606	0.594	0.874	0.91	0.75	
COVID19 (COV D19 (MODERNA))	Product temperature excursion issue	2 097						0 555	0.419	0 611	0.457	0.705	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.108	1 634	0.895			0.779	1 973	2.162	2 065	1.921	1 914	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2 202	1.735	0.891			0.631	1 844	1.967	2.107	2.129	1 895	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	2.115					0.826	1 559	1.778	2.148	1.986	1 968	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product use issue	2 085	0 962	0.885			0.5	1 923	1.7	1 619	2.038	1.446	
COVID19 (COV D19 (PFIZER-BIONTECH))	Vaccination site pain	1 871	0.718	0.879			0.628	2 007	1.854	1 582	1.798	1 855	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.16	1.199	0.888			0.631	1.478	1.822	2 017	2.066	1.718	

Good morning John and Tom,

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Thanks,

David

Drug	Event	US EB05 20210521	US Serious EB05 20210521	US Fatal EB05 20210521	US Infant EB05 20210521	US Child EB05 20210521	US Teen EB05 20210521	US Adult1 EB05 20210521	US Adult2 EB05 20210521	US Adult3 EB05 20210521	US Female EB05 20210521	US Male EB05 20210521	Comment
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.125	0.772					0.792	0.392	0.734	1.781	1.29	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.599	2.613	0.878			0.548	1.188	1.55	4.401	2.79	1.275	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	1.985	2.118					1.185	1.868	1.601	2.122	1.37	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.206	2.372	0.887	0 611			1.687	1.601	2.405	2.772	1.388	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.007	2.853	0.887			0.557	2.252	1.974	0.632	2.977	1.204	
COVID19 (COVID19 (JANSSEN))	Chills	1.377	0.93	0.888			2 314	1.4	1.229	0 94	1.434	1.149	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.256	2.336	0.901	0 611		0.548	1.939	1.868	1.637	2.944	1.314	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.807	1.87	0.881			0.541	1.424	1.451	1.654	2.019	1.226	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.34	1.898	0.887			0.531	1.963	2.116	2.801	2.762	1.782	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.562	1.45	0.886			0.496	2.369	2.019	2.637	2.797	1.553	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	1.826	1.378	0.886	0 604		0.56	1.362	1.811	1.337	2.163	0.981	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.19	0.882					2.102	1.642	0.686	2.53	1.031	
COVID19 (COVID19 (JANSSEN))	Heavy menstrual bleeding	2.14	0.737					2.178	1.654		2.136	0.546	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.296	2.883	0.881				1.298	1.449	2.582	4.576	1.063	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.93	2.321	0.879			0.61	1.682	0.83	0.648	1.944	0.62	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.944	2.09	0.876				1.668	1.523	1.754	2.129	1.401	
COVID19 (COVID19 (JANSSEN))	Menstruation irregular	2.03	0.679					1.986	1.681		2.001	0.569	
COVID19 (COVID19 (JANSSEN))	Off label use	1.184					3.192	0.29	0.42		0.78	0.993	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.612	1.508	0.879			0.531	0.894	2.346		1.75	0.836	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.052	2.348	0.893	0 611		0.54	1.639	2.283	1.317	2.382	1.118	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.507	2.217	0.882			0.467	1.85	2.503	1.908	3.216	1.415	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	2.817	2.587	0.879				1.298	1.158	0.679	2.03	0.905	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	1.793	1.788	0.887	0 611		0.62	1.305	1.636	2.265	2.094	1.336	
COVID19 (COVID19 (JANSSEN))	Pyrexia	1.418	0.904	0.888			2 326	1.446	1.233	0.942	1.476	1.188	
COVID19 (COVID19 (JANSSEN))	Scan with contrast abnormal	1.834	2.055					1.025	1.606	1.081	1.754	1.151	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	3.049						1.012	2.607	5 96	2.462	2.19	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.249	1.011	0.881			0.557	1.404	1.462	1 34	1.86	1 5	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.308	2.513	1.971	0 611		0.592	2.094	2.359	3.626	2.707	1.697	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.164	2.215	0.879				1.298	1.25	0.658	1.827	0.926	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.028	1.182	0.88			0.549	1.797	1.781	1.585	2.351	1.309	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.607	2.284	0.883				1.883	1.98		3.026	1.725	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.914	1.232		0 602			1.315	2.072	2.043	1.88	1.685	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.913	1.035					1.379	1.797	1.109	2.147	0.848	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.503	2.646				0.557	1 83	1.41	0.539	2.559	1.003	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.034	2.963	0.879				3.188	1.67	0.665	4.645	0.913	
COVID19 (COVID19 (JANSSEN))	Vital signs measurement	1.893	0.554				0.758	2.017	1.352	1.245	1.96	1.597	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.188				0.528	0.531	0.496	0.546	0.831	0.79	0.678	
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.067						0.398	0.312	0.556	0.271	0.484	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.07	1.622	0.894			0.743	1.936	2.107	2.055	1.884	1.877	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.153	1.689	0.885			0.697	1.841	1.938	2.081	2.091	1.862	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	2.079					1.44	1.625	1.769	2.119	1.979	1.94	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.087	1.212	0.881			0.591	1.465	1.833	1.995	2.023	1.661	

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/28/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210528	US Serious EB05 20210528	US Fatal EB05 20210528	US Infant EB05 20210528	US Child EB05 20210528	US Teen EB05 20210528	US Adult1 EB05 20210528	US Adult2 EB05 20210528	US Adult3 EB05 20210528	US Female EB05 20210528	US Male EB05 20210528	Comment
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.074	0.747					0.755	0.386	0.721	1.726	1.297	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.763	2.706	0.881			0.539	1.252	1.655	4.6	3.47	1.202	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.004	2.114	0.877			0.547	1.245	1.889	1.423	2.04	1.489	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.006	2.125	0.894	0.611			1.552	1.61	1.961	2.462	1.281	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	2.885	2.763	0.888			0.547	2.202	2.056	0.607	2.962	1.151	
COVID19 (COVID19 (JANSSEN))	Chills	1.383	0.919	0.891			2.366	1.419	1.228	0.925	1.437	1.162	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.306	2.373	0.907	0.611		0.539	1.71	1.976	1.843	3.055	1.328	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.852	1.912	0.883			0.521	1.39	1.605	1.647	2.121	1.247	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.335	1.894	0.888			0.519	2.031	2.103	2.671	2.737	1.797	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.527	1.424	0.887			0.453	2.363	2.1	2.081	2.812	1.52	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	1.85	1.396	0.889	0.602		0.606	1.404	1.85	1.35	2.213	0.998	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.823	0.941	0.88			0.542	1.522	1.612	0.741	2.003	0.976	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.258	0.877					2.18	1.667	0.764	2.741	1.017	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.437	2.96	0.885				1.359	1.673	1.595	4.85	1.052	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	2.665	2.041				0.556	1.273	0.96	0.569	1.526	0.932	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.011	2.381	0.881				1.828	0.914	0.647	1.922	0.7	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.953	2.095	0.88			0.606	1.556	1.589	1.872	2.161	1.416	
COVID19 (COVID19 (JANSSEN))	Off label use	1.245					3.639	0.297	0.429		0.803	1.075	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.031	1.594	0.88				0.535	0.905	2.123	1.889	0.837	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.055	2.32	0.894	0.611		0.54	1.807	2.328	1.285	2.363	1.172	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.383	2.082	0.886			0.43	1.797	2.421	1.791	2.997	1.356	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	3.498	2.676	0.881				1.359	1.183	0.681	2.251	0.919	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	1.797	1.795	0.893	0.611		0.603	1.26	1.729	2.171	2.084	1.362	
COVID19 (COVID19 (JANSSEN))	Pyrexia	1.421	0.881	0.889			2.3	1.465	1.221	0.928	1.472	1.203	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	3.219						1.285	3.279	7.907	2.831	2.433	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.228	1.043	0.882			0.556	1.43	1.432	1.342	1.733	1.599	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.292	2.512	1.997	0.611		0.674	2.07	2.392	3.464	2.689	1.695	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.195	2.21	0.88			0.549	1.426	1.189	0.656	1.914	0.914	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2 03	1.15	0.882				1.717	1.909	1.515	2.357	1.304	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.669	2.317	0.887				2 075	2.034	3.54	3.112	1.811	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.941	1.247		0 6			1.352	2.167	1.964	1.938	1.689	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	2 03	1.023					1.418	2.015	1.181	2.317	0.901	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.894	2.778				0.556	2.071	1.459	0.54	2 98	1.029	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.155	2.971	0.881				3.414	1.673	0.668	4.845	0.911	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.225				0.528	0.536	0.47	0.546	0.806	0.794	0.617	
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.142						0 345	0.331	0.532	0.235	0.486	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.059	1.64	0.896			0.723	1 881	2.055	2.066	1.864	1.853	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.133	1 672	0.888			0.678	1.827	1.899	2.101	2.079	1.843	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	2.063					1.513	1.75	1.835	2.16	1.978	1.953	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2 05	1.187	0.881			0.581	1.446	1.773	2.024	2.015	1.62	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	Weekly data mining
Date:	Tuesday, June 8, 2021 6:55:21 AM
Attachments:	USST_20210604.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/4/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210604	US Serious EB05 20210604	US Fatal EB05 20210604	US Infant EB05 20210604	US Child EB05 20210604	US Teen EB05 20210604	US Adult1 EB05 20210604	US Adult2 EB05 20210604	US Adult3 EB05 20210604	US Female EB05 20210604	US Male EB05 20210604	Comment
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.158	0.751					0.732	0.389	0.719	1.777	1.371	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.84	2.638	0.882			0.538	1.299	1.684	4.285	3.818	1.163	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.064	2.094	0.88		0.611	0.546	1.257	2.038	1.368	2.113	1.54	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	1.866	1.859	0.894	0.611			1.521	1.48	1.861	2.285	1.175	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	1.678	1.834	0.895			0.554	1.214	1.468	1.171	2.067	0.844	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	2.872	2.65	0.891			0.538	2.129	2.148	0.687	3.24	1.082	
COVID19 (COVID19 (JANSSEN))	Chills	1.409	0.925	0.889			2.278	1.462	1.239	0.937	1.459	1.194	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.324	2.311	0.909	0.611		0.531	1.719	2.032	1.815	3.168	1.314	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.789	1.794	0.883			0.592	1.269	1.656	1.536	2.08	1.206	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.357	1.917	0.893			0.518	2.023	2.105	2.883	2.796	1.796	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.523	1.32	0.888			0.522	2.361	2.106	1.937	2.845	1.488	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	1.854	1.384	0.89	0.605		0.572	1.388	1.857	1.428	2.278	0.972	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.809	0.926	0.881			0.602	1.548	1.542	0.737	2.084	0.929	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.292	0.928	0.881				2.239	1.666	0.838	2.76	1.059	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	3.957	2.842	0.885				1.231	1.881	1.508	5.262	0.933	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	3.365	2.161				0.554	1.355	1.047	0.574	1.955	0.918	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.06	2.343	0.881				1.59	1.032	0.651	2.087	0.691	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.986	2.054	0.88			0.571	1.662	1.625	1.85	2.228	1.419	
COVID19 (COVID19 (JANSSEN))	Off label use	1.3					3.741	0.31	0.428		0.824	1.145	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.777	1.684	0.881				0.542	0.916	2.381	2.101	0.845	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.13	2.425	0.898	0.611		0.539	1.832	2.472	1.276	2.487	1.186	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.42	2.026	0.886			0.403	1.833	2.493	1.879	3.105	1.339	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	4.306	2.809	0.882				1.698	1.217	0.684	3.771	0.938	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.179					0.498	2.211	1.505	0.577	1.599	1.746	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	1.807	1.757	0.895	0.611		0.689	1.289	1.747	2.099	2.083	1.38	
COVID19 (COVID19 (JANSSEN))	Pyrexia	1.438	0.897	0.889			2.157	1.499	1.228	0.929	1.483	1.232	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	3.491						1.348	4.359	8.572	3.471	2.761	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.247	1.087	0.883			0.554	1.292	1.685	1.255	1.736	1.681	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.288	2.548	1.975	0.611		0.659	2.032	2.41	3.378	2.675	1.714	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.077	1.216	0.884			0.539	1.788	1.899	1.629	2.481	1.278	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.894	1.319		0.603			1.338	2.106	1.893	1.915	1.633	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.599	2.207	0.889				1.985	2.127	2.855	2.955	1.836	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	1.982	1.043	0.879				1.488	1.683	1.586	2.085	1.3	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.962	0.985					1.382	1.979	1.138	2.247	0.898	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.993	2.686				0.547	2.467	1.474	0.54	3.364	1.017	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.172	2.843	0.882				3.761	1.691	0.661	5.117	0.884	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.266				0.528	0.516	0.431	0.517	0.792	0.787	0.57	
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.133						0.358	0.258	0.511	0.232	0.456	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	1.964	1.683	0.897			0.746	1.823	1.998	2.034	1.779	1.773	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.053	1.705	0.889			0.712	1.751	1.843	2.071	2.001	1.781	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	2.021					1.513	1.777	1.863	2.124	1.947	1.924	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.02	1.254	0.884			0.576	1.431	1.744	2.028	1.98	1.624	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	Weekly data mining
Date:	Tuesday, June 15, 2021 8:28:58 AM
Attachments:	USST_20210611.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/11/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210611	US Serious EB05 20210611	US Fatal EB05 20210611	US Infant EB05 20210611	US Child EB05 20210611	US Teen EB05 20210611	US Adult1 EB05 20210611	US Adult2 EB05 20210611	US Adult3 EB05 20210611	US Female EB05 20210611	US Male EB05 20210611	Comment
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2 284		0.813			0.716	1.387	0.558	0.722	1 887	1.414	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3 008	2.639	0 885			0.532	1.387	1.668	4.511	3 946	1.23	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.128	2.061	0 879			0.54	1.295	2.097	1.414	2 074	1.655	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	1 914	1.859	0.897	0.611			1.656	1.569	1 948	2.418	1.204	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	1.796	2.018	0 885			0.547	0.994	1.269	0.574	1 901	0.732	
COVID19 (COV D19 (JANSSEN))	Body temperature	1 918	0.894				1.418	1.874	2.01	1 569	1 873	1.671	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	1.759	1.874	0.898			0.546	1.329	1.536	1.154	2.169	0.895	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.178	2.689	0 893			0.546	2.052	2.797	0.69	3 561	1.167	
COVID19 (COV D19 (JANSSEN))	Chills	1.436	0.952	0 891			2.099	1.505	1.254	0 938	1.483	1.225	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2 326	2.221	0 904	0.611		0.526	1.801	2.028	1.784	3.153	1.331	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	1 836	1.754	0 884			0.574	1.334	1.721	1 517	2 093	1.265	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2 398	1.939	0 894			0.502	2.098	2.145	2.815	2 834	1.86	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2 502	1.252	0 889			0.512	2.366	2.093	1.793	2 842	1.461	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	1.94	1.404	0 891	0.608		0.534	1.479	1.934	1.524	2 376	1.042	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.795	0.941	0 882			0.504	1.596	1.551	0.741	2 023	0.957	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2 361	0 926	0 883				2.332	1.691	0.832	2.87	1.107	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	4 307	3.03	0 887				1.604	2.144	1 551	5 398	1.091	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	4 908	2.66				0.554	1.758	1.446	0 578	4 397	1.079	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1 822	1.242	0 886				1.308	1.677	0 876	2	1.011	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2 051	2.282	0 883				1.584	1.09	0.65	2.152	0.749	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2 018	1.989	0 882			0.556	1.712	1.677	1 831	2 276	1.425	
COVID19 (COV D19 (JANSSEN))	Off label use	1.425	0.189				3.971	0.321	0.544		0 901	1.353	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.72	0.753					1.982	1.031		2 065		
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	4 011	1.716	0 883				0.547	0.926	2.13	2.181	0.851	
COVID19 (COV D19 (JANSSEN))	Platelet count	2 248	2.531	0.898	0.611		0.54	2.022	2.637	1 268	2 693	1.253	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2 533	2.142	0 888			0.365	1.921	2.681	2.075	3.199	1.435	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	4.719	2 834	0 883				1.899	1.255	0 686	4.456	0.955	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	0 235					0.495	3.119	1.727	1.173	1 881	2.255	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	1 877	1.765	0.896	0.611		0.693	1.382	1.825	2.095	2.129	1.473	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	3 876						1.434	5.032	8.64	3 942	3.384	
COVID19 (COV D19 (JANSSEN))	Thrombophlebitis superficial	2.161	1.056	0 885			0.547	1.277	1.626	1 226	1 672	1.663	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.33	2.555	1.959	0.611		0.646	2.028	2.457	3.401	2.67	1.806	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2 069	1.947	0 883				1.35	1.242	0 653	1 928	0.886	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.148	1.26	0 886			0.533	1.889	1.95	1 688	2 586	1.292	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2 601	2.157	0 888				1.968	2.145	3.104	2 818	1.924	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.182	1.712					2.041	1.384	1.136	2 099	1.396	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan	1 883	1.481		0.605			1.362	2.077	1.798	1 898	1.64	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan abnormal	1 974	1.025	0 881			0.519	1.562	1.599	1 575	2.101	1.283	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1 962	0.985				0.547	1.433	1.958	1.147	2.122	1.049	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3 334	2.717					2.962	1.516	0 542	3 837	1.091	
COVID19 (COV D19 (JANSSEN))	Venogram normal	3 993	2.787	0 883				3.098	1.81	0 664	5 318	0.845	
COVID19 (COV D19 (MODERNA))	Poor quality product administered	2 354				0.528	0.502	0.379	0.496	0 687	0.717	0.493	
COVID19 (COV D19 (MODERNA))	Product temperature excursion issue	2.155						0 26	0.223	0 351	0.131	0.369	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	1 892	1.689	0.899			0.761	1.779	1.96	2 009	1.714	1.702	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2 012	1.704	0 892			0.736	1.721	1.84	2 063	1 973	1.75	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	2 008					1.46	1.877	1.927	2.114	1 958	1.912	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	1 983	1 252	0 885			0.617	1.498	1.724	2 012	1.95	1.628	

Good morning John and Tom,

  Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/18/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20210618	US Serious EB05 20210618	US Fatal EB05 20210618	US Infant EB05 20210618	US Child EB05 20210618	US Teen EB05 20210618	US Adult1 EB05 20210618	US Adult2 EB05 20210618	US Adult3 EB05 20210618	US Female EB05 20210618	US Male EB05 20210618	Comment
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.323	0 836	0 883				0.701	0.559	0.719	1.947	1 355	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.403	2.766	0 887			0 521	1.668	1.971	4.523	4.279	1.441	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.355	2.121	0.88			0 536	1.55	2 304	1.438	2.227	1.891	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	1.949	1 846	0.897	0.612			1.72	1.719	1.884	2.377	1 338	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.154	2 259	0 885			0 549	1.017	1.297	0.669	2.609	0.808	
COVID19 (COVID19 (JANSSEN))	Body temperature	1.963	0 887				1 367	1.958	2.026	1.535	1.927	1.704	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	1.866	1 882	0.9			0 541	1.389	1.734	1.129	2.461	0.898	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	1.906	1.61	0 885			0 548	0.815	1.159	0.855	2.096	0.741	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.586	2.787	0 883			0 548	2.335	3.5	0.766	3.948	1 257	
COVID19 (COVID19 (JANSSEN))	Chills	1.453	0 948	0.89			2 042	1.525	1 266	0.945	1.499	1 243	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.49	2.25	0.905	0.612		0 506	2.032	2.228	1.802	3.387	1.442	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.965	1.798	0.884			0 557	1.351	1.899	1.64	2.203	1 388	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.439	1 936	0.894			0 485	2.121	2 33	1.794	2.865	1.463	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.474	1 253	0 889			0 488	2 33	2.138	1.794	2.865	1.463	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.011	1.453	0 891	0.608		0 483	1.657	2 031	1.466	2.392	1.164	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.819	0 982	0 883			0 493	1.521	1.716	0.813	2.069	0.96	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.399	0 945	0 883				2.443	1.722	0.828	2.848	1.162	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.635	3.119	0 887				1.615	2.704	3.288	5.931	1.091	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.602	2 816				0 555	1.954	1.81	0.674	5.588	1.108	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.229	2 274	0 883				1.964	1 057	0.652	2.606	0.747	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.099	1 979	0 882			0 542	1.773	1 827	1.838	2 32	1 528	
COVID19 (COVID19 (JANSSEN))	Off label use	1.467	0 305				3.778	0.372	0.551	0.369	0.911	1.438	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.61	0 753					2.254	1 012		2.016		
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	4.295	1.704	0 883				0.551	0 934	2.215	2.435	0.856	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.459	2.701	0.899	0.612		0 542	2.206	3 049	1.245	2.951	1.446	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.597	2.189	0 888	0.884		0 335	1.928	2 843	2.207	3.247	1 561	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.186	2 949	0.884				2.946	1 295	0.687	5.086	0 972	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.301					0 563	2 53	1.71	2.807	1.965	2.429	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.004	1.777	0.895	0.612		0.69	1.508	1 943	2.196	2.228	1.62	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	4.249						1.894	5 579	9.092	4.374	3 816	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.142	1 034	0 885			0 549	1.296	1 584	1.194	1.667	1 637	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.395	2.529	1.837	0.612		0 641	2.139	2.488	3.331	2.722	1 882	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.168	1 892	0 883				1.415	1 231	0.655	2.109	0 885	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.17	1 253	0 886			0.53	1.867	2.03	1.634	2.611	1 317	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.767	2.184	0 889				2.143	2 285	3.227	2 86	2.183	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.385	1 854					2.497	1.417	1.171	2.358	1.481	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.882	1.448	0 882	0.605			1.385	2 062	1.73	1.897	1 634	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	1.963	1 054	0 881			0 505	1.552	1.58	1.628	2.069	1 303	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.943	0 969					1.379	1 988	1.236	2.147	1 026	
COVID19 (COVID19 (JANSSEN))	Venogram	2.352	2 036					1.769	1 505	0.569	2.296	0.82	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.975	2 913				0 543	3.641	1.726	0.632	4.519	1.117	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.149	2.736	0 884				3.208	2 053	0.665	5.261	0 863	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.395				0.528	0.449	0.284	0.387	0.632	0.595	0.398	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.088	0 904	0 883		0.713	2.125	0.132	0.222	0.732	2.058	2.116	
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.204						0.157	0.195	0.328	0.087	0.327	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	1.98	1.725	0 892			0.724	1.69	1 833	2.059	1.942	1.736	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.969	1 261	0 886			1.403	1.887	1 924	2.095	1.927	1 885	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.939	1 261	0 886			0.651	1.47	1.712	2.009	1.922	1.6	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, June 29, 2021 8:39:14 AM
Attachments:	USST_20210625.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/25/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210625	US Serious EB05 20210625	US Fatal EB05 20210625	US Infant EB05 20210625	US Child EB05 20210625	US Teen EB05 20210625	US Adult1 EB05 20210625	US Adult2 EB05 20210625	US Adult3 EB05 20210625	US Female EB05 20210625	US Male EB05 20210625	Comment
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.363	0.861	0.879				0.707	0.558	0.711	1.98	1.369	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.414	2.713	0.886			0.524	1.657	1.984	4.51	4.284	1.443	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.442	2.166	0.875			0.533	1.609	2.411	1.495	2.366	1.945	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.095	1.905	0.903	0.612			1.827	1.885	2.051	2.699	1.355	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.285	2.286	0.882			0.551	1.031	1.318	0.67	2.95	0.816	
COVID19 (COVID19 (JANSSEN))	Body temperature	1.986	0.904				1.379	2.025	2.059	1.555	1.948	1.736	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	1.957	1.923	0.899			0.543	1.483	1.779	1.175	2.594	0.981	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	1.976	1.636	0.882			0.55	0.821	1.172	0.856	2.205	0.746	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.632	2.758	0.89			0.55	2.363	3.739	0.763	4.075	1.261	
COVID19 (COVID19 (JANSSEN))	Chills	1.466	0.956	0.888			2.03	1.544	1.279	0.943	1.509	1.259	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.566	2.253	0.905	0.612		0.51	2.146	2.303	1.839	3.481	1.493	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.038	1.834	0.879			0.551	1.391	2.031	1.661	2.249	1.475	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.456	1.934	0.893			0.489	2.192	2.176	2.897	2.879	1.933	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.476	1.44	0.886			0.45	2.409	2.138	1.783	2.874	1.47	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.057	1.488	0.889	0.608		0.45	1.603	2.219	1.501	2.451	1.209	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.809	0.958	0.879			0.483	1.528	1.719	0.806	2	0.999	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.438	0.961	0.879				2.433	1.822	0.814	2.936	1.215	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.61	3.157	0.884				1.633	3.004	3.55	5.8	1.165	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.49	2.749				0.557	2.141	1.64	0.675	5.774	1.068	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.893	1.315	0.883				1.395	1.705	0.934	2.062	1.058	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.382	2.301	0.88				1.853	1.172	0.653	2.777	0.754	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.088	1.959	0.882			0.532	1.77	1.825	1.845	2.295	1.536	
COVID19 (COVID19 (JANSSEN))	Off label use	1.506	0.167				4.221	0.377	0.555	0.368	0.923	1.479	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.647	0.754					2.544	1.021		2.118		
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	4.712	2.015	0.879				0.668	0.94	2.296	4.212	0.86	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.375	2.536	0.896	0.612		0.531	2.131	3.04	1.228	2.94	1.37	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.662	2.258	0.886			0.316	2.011	3.008	2.194	3.35	1.568	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.034	2.969	0.88				2.42	1.325	0.688	5.061	1.057	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.331					0.565	2.488	1.807	2.024	2.132	2.213	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.066	1.807	0.897	0.612		0.68	1.608	1.985	2.247	2.302	1.667	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	4.394						2.136	5.887	9.642	4.583	3.928	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.109	1.08	0.882			0.551	1.258	1.587	1.197	1.677	1.575	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.391	2.544	1.879	0.612		0.64	2.103	2.482	3.25	2.688	1.906	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.354	1.975	0.88				1.572	1.248	0.652	2.308	0.894	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.181	1.267	0.883			0.52	1.884	2.029	1.681	2.584	1.349	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.809	2.197	0.886	0.612			2.645	2.332	3.228	2.902	2.24	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.499	1.924					2.645	1.463	1.238	2.542	1.514	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	1.969	1.102	0.877			0.497	1.533	1.663	1.612	2.092	1.308	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.841	0.966					1.297	1.904	1.343	2.046	0.99	
COVID19 (COVID19 (JANSSEN))	Venogram	2.229	1.988					1.619	1.5	0.568	2.274	0.846	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	4.03	2.91				0.545	3.621	1.789	0.633	4.676	1.107	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.195	2.626	0.88				3.475	1.992	0.662	5.372	0.861	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.417				0.528	0.434	0.356	0.5	0.637	0.599	0.498	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.193	0.877	0.879		0.725	2.237	0.126	0.214	0.736	2.15	2.221	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	1.969	1.736	0.889			0.776	1.694	1.822	2.053	1.933	1.863	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.944	1.299				1.376	1.88	1.907	2.084	1.907	1.863	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.929	1.299	0.884			0.646	1.495	1.698	2.016	1.909	1.626	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, July 6, 2021 1:52:18 PM
Attachments:	USST_20210702.xls

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 7/2/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210702	US Serious EB05 20210702	US Fatal EB05 20210702	US Infant EB05 20210702	US Child EB05 20210702	US Teen EB05 20210702	US Adult1 EB05 20210702	US Adult2 EB05 20210702	US Adult3 EB05 20210702	US Female EB05 20210702	US Male EB05 20210702	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.865	1 893	0 883				1.721	1.475	1.103	2.105	1.033	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.385	0.86	0 881				0.709	0.638	0.711	1.992	1.411	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.341	2 659	0 887			0.519	1.663	1.997	4.302	4.321	1.396	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.409	2.161	0 879			0.522	1.566	2.411	1.522	2.39	1.895	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.056	1.866	0 915		0 612		1.742	1.928	2.04	2.691	1.322	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.126	2 297	0 883			0.544	1.003	1.319	0.666	2.761	0.793	
COVID19 (COVID19 (JANSSEN))	Body temperature	1.961	0 907				1.397	2.008	2.013	1.506	1.922	1.73	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	1.977	2 037	0.88				1.227	1.775	0.936	1.218	1.794	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	1.92	1 865	0 901			0.544	1.425	1.8	1.137	2.456	0.97	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	1.948	1 609	0 883			0.55	0.822	1.171	0.849	2.214	0.742	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.489	2.722	0 891			0.544	2.288	3.627	0.758	4.021	1.211	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.561	2.234	0 905	0 612		0.501	2.118	2.324	1.841	3.397	1.531	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.031	1 837	0 884			0.543	1.396	2.021	1.705	2.333	1.421	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.454	1 928	0 897			0.485	2.163	2.189	2.843	2.92	1.913	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.455	1.476	0 887			0.443	2.392	2.094	1.901	2.839	1.48	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.009	1.462	0 889	0 608		0.412	1.611	2.188	1.494	2.38	1.204	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.406	0.95	0.88				2.406	1.801	0.813	2 929	1.195	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.651	3.112	0 885				1.641	3.093	3.508	5.657	1.189	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.621	2.865				0.557	3.245	1.645	0.676	5.948	1.068	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1 84	1 272	0 884				1.345	1.692	0.928	2.047	1.019	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.315	2.27	0 881				1.867	1.15	0.653	2 565	0.754	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.071	1 946	0 883			0.512	1.76	1.842	1.841	2.328	1.499	
COVID19 (COVID19 (JANSSEN))	Off label use	1.542	0.156				4.381	0.368	0.649	0.368	0.965	1.461	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.598	0.755					2.19	1.006		1 949		
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	4.711	2.021	0 881				0.669	0 94	2.279	4 218	0 86	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.434	2 567	0 903	0 612		0.526	2.166	3.082	1.448	2.899	1.515	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.611	2.23	0 887			0.303	2.003	2.943	2.154	3.277	1.55	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.169	3 046	0 881				3.016	1.522	0.689	4 815	1.245	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.367					0.562	2.802	1.812	2.507	2.309	2.269	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.047	1.798	0.9	0 612		0.675	1.569	1.983	2.245	2.3	1.644	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	4.419						3.236	6.033	10.959	4.8	3.887	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.117	1.112	0 883			0.551	1.227	1.7	1.133	1.725	1.567	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.399	2 529	1 908	0 612		0.62	2.145	2.496	3.245	2.722	1.909	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.271	1 934	0 881				1.579	1.217	0.653	2 327	0.881	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.158	1.25	0 884			0.516	1.863	1.998	1.669	2.514	1.371	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.795	2.226	0 889	0 612			2.102	2.355	3.139	2 943	2.211	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.484	1 963					2.713	1.477	1.274	2.609	1.469	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.81	1.449	0 879	0 601			1.329	2.006	1.654	1.839	1.564	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	1.994	1.157	0 878			0.493	1.517	1.771	1.627	2.108	1.388	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.838	1 021					1.284	1.938	1.442	2.06	1.021	
COVID19 (COVID19 (JANSSEN))	Venogram	2.233	1 987					1.722	1.5	0.565	2 247	0.851	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.758	2 844				0.54	3.156	1.794	0.634	4.603	1.063	
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.978	2 589	0 881				3.257	2.002	0.663	5 291	0.838	
COVID19 (COVID19 (MODERNA))	Accidental exposure to product	2.023				0.501	0.386	0.545	0.46	0.753	0.683	0.804	
COVID19 (COVID19 (MODERNA))	No adverse event	1.597	0.833	0 883			2.022	0.982	1.005	0.904	1.26	1.353	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.418				0.528	0.428	0.342	0.499	0.618	0.577	0.49	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.247	0.875	0.88		0.716	2.294	0.123	0.215	0.738	2.205	2.271	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	1.95	1.727	0.89			0.861	1.701	1.814	2.031	1.912	1.727	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.92					1.375	1.871	1.895	2.069	1.884	1.84	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.924	1.31	0 885			0.644	1.512	1.682	2.015	1.905	1.629	

Good afternoon,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date 7/9/21'). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

Meghna

Drug	Event	US EB05 20210709	US Serious EB05 20210709	US Fatal EB05 20210709	US Infant EB05 20210709	US Child EB05 20210709	US Teen EB05 20210709	US Adult1 EB05 20210709	US Adult2 EB05 20210709	US Adult3 EB05 20210709	US Female EB05 20210709	US Male EB05 20210709	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.887	1.976	0.88				1.654	1.461	1.223	2.165	1.043	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.444	0.887	0.879				0.709	0.72	0.711	2.082	1.413	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.199	2.607	0.884			0.519	1.589	1.927	4.275	4.329	1.331	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.444	2.208	0.876			0.506	1.612	2.447	1.594	2.485	1.904	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.076	1.899	0.907	0.612			1.763	1.968	2.03	2.72	1.355	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.131	2.312	0.879			0.544	1.001	1.318	0.667	2.782	0.793	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	1.993	2.067	0.876				1.272	1.773	0.934	1.208	1.828	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	1.975	1.933	0.899			0.543	1.486	1.799	1.22	2.533	1.007	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.442	2.729	0.888			0.544	2.222	3.633	0.757	4.026	1.189	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.526	2.215	0.904	0.612		0.501	2.036	2.305	1.857	3.37	1.488	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.096	1.904	0.88			0.535	1.514	2.109	1.669	2.34	1.528	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.423	1.949	0.898			0.486	2.135	2.165	1.542	2.904	1.45	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.804	0.714	0.878			1.296	2.002	1.542	2.831	2.904	1.885	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.396	1.483	0.884			0.438	2.341	2.042	1.969	2.767	1.465	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	1.989	1.531	0.886	0.608		0.384	1.637	2.156	1.508	2.331	1.241	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.372	0.942	0.876				2.357	1.779	0.812	2.864	1.185	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.657	3.149	0.881				1.642	3.508	2.238	5.588	1.273	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.623	2.872				0.556	3.276	1.643	0.676	5.96	1.067	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.825	1.28	0.881				1.344	1.681	0.921	2.032	1.011	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.2	2.284	0.877			0.504	1.715	1.149	0.654	2.57	0.74	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.029	1.921	0.879				1.715	1.815	1.818	2.286	1.473	
COVID19 (COVID19 (JANSSEN))	Off label use	1.567	0.157				4.573	0.365	0.641	0.366	0.977	1.494	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.6	0.755					2.207	1.006		1.951		
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	4.39	2.116	0.877				0.648	1.047	2.238	4.21	0.927	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.386	2.554	0.9	0.612		0.526	2.1	3.009	1.421	2.801	1.51	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.605	2.296	0.883			0.3	1.977	2.95	2.23	3.261	1.55	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.176	3.057	0.877			0.567	3.048	1.52	0.689	4.832	1.244	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.382					0.567	2.896	1.904	3.324	2.358	2.366	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.049	1.827	0.9	0.612		0.67	1.604	2.01	2.22	2.311	1.645	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	4.434						3.301	6.034	10.893	4.827	3.894	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.116	1.116	0.879			0.55	1.225	1.699	1.13	1.726	1.564	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.363	2.52	1.867	0.612		0.621	2.103	2.465		2.683	1.899	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.272	1.953	0.877				1.58	1.216	0.653	2.328	0.881	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.133	1.258	0.882			0.511	1.815	2.011	1.631	2.458	1.389	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.843	2.282	0.889	0.612			2.19	2.357	3.375	2.963	2.29	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.435	1.926					2.726	1.433	1.263	2.535	1.469	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	2.043	1.325	0.873			0.493	1.511	1.872	1.656	2.055	1.556	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.788	1.031					1.261	1.882	1.414	2.03	0.983	
COVID19 (COVID19 (JANSSEN))	Venogram	2.206	2.01					1.724	1.478	0.566	2.201	0.851	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.776	2.901				0.539	2.908	1.793	0.719	4.779	1.042	
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.983	2.605	0.877			0.388	3.269	2.001	0.663	5.302	0.838	
COVID19 (COVID19 (MODERNA))	Accidental exposure to product	2.016					0.388	0.526	0.461	0.754	0.671	0.806	
COVID19 (COVID19 (MODERNA))	No adverse event	1.592	0.833	0.88		0.501	2.043	0.974	1.01	0.902	1.257	1.352	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.406	0.875	0.876		0.528		0.433	0.339	0.597	0.558	0.482	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.28	0.875	0.876		0.716	2.33	0.123	0.215	0.739	2.238	2.298	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	1.946	1.736	0.888			0.856	1.713	1.809	2.032	1.906	1.731	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.891					1.411	1.881	1.902	2.068	1.864	1.82	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.916	1.321	0.883			0.641	1.515	1.676	2	1.894	1.63	

Good morning John and Tom,

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Thanks,
David

Drug	Event	US EB05 20210716	US Serious EB05 20210716	US Fatal EB05 20210716	US Infant EB05 20210716	US Child EB05 20210716	US Teen EB05 20210716	US Adult1 EB05 20210716	US Adult2 EB05 20210716	US Adult3 EB05 20210716	US Female EB05 20210716	US Male EB05 20210716	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.802	1.86	0.883				1.498	1.406	1.263	2.051	1.024	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.457	0.885	0.882				0.775	0.718	0.71	2.094	1.408	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.18	2.603	0.889			0.514	1.58	1.955	4.256	4.278	1.363	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.413	2.186	0.88			0.496	1.598	2.379	1.68	2.377	1.936	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.03	1.851	0.906	0.612			1.691	1.952	1.999	2.623	1.349	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.081	2.272	0.883			0.543	0.999	1.31	0.663	2.575	0.792	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	1.97	2.019	0.88				1.198	1.809	0.989	1.133	1.9	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	1.937	1.885	0.901			0.543	1.478	1.763	1.196	2.486	0.958	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.258	2.625	0.891	0.612		0.538	2.122	3.236	0.756	3.784	1.181	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.475	2.17	0.909	0.612		0.492	2.023	2.28	1.801	3.264	1.506	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.032	1.852	0.885			0.52	1.493	2.074	1.616	2.264	1.5	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.358	1.9	0.899			0.477	2.067	2.088	2.833	2.845	1.824	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.345	1.405	0.887			0.431	2.279	2.025	1.87	2.685	1.454	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	1.933	1.472	0.889	0.608		0.362	1.567	2.083	1.6	2.295	1.203	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.4	0.937	0.88				2.482	1.765	0.805	2.851	1.247	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	1.628	1.647	0.879				1.137	2.031	0.965	1.382	1.55	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.611	3.125	0.885				1.63	3.365	2.144	5.545	1.265	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.457	2.83				0.556	3.227	1.622	0.671	5.924	1.045	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	1.683	1.821	0.88			0.104	1.455	2.026	1.109	1.586	1.426	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.077	2.225	0.881				1.7	1.127	0.654	2.254	0.739	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.987	1.877	0.882			0.493	1.721	1.78	1.765	2.241	1.438	
COVID19 (COVID19 (JANSSEN))	Off label use	1.587	0.154				4.659	0.362	0.638	0.364	0.988	1.521	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.591	0.755					2.175	1.004		1.932		
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	4.319	2.102	0.881				0.649	1.044	2.144	4.096	0.924	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.336	2.481	0.902	0.612		0.52	1.983	2.926	1.387	2.707	1.489	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.604	2.272	0.888			0.296	2.006	2.969	2.117	3.216	1.577	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.255	3.136	0.881				2.996	1.792	0.69	5.046	1.236	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.394					0.567	3.009	1.996	4.162	2.531	2.388	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.015	1.796	0.901	0.612		0.659	1.606	1.949	2.215	2.275	1.625	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	4.478						3.253	5.967	11.262	4.911	3.906	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.127	1.107	0.883			0.55	1.221	1.742	1.112	1.76	1.549	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.318	2.448	1.838	0.612		0.607	2.047	2.404	3.171	2.617	1.88	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.326	1.994	0.881				1.75	1.192	0.654	2.437	0.878	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.111	1.237	0.885			0.593	1.798	1.992	1.608	2.428	1.394	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.717	2.222	0.891	0.612			2.071	2.242	3.36	2.879	2.161	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.401	1.866					2.668	1.426	1.293	2.51	1.474	
COVID19 (COVID19 (JANSSEN))	Venogram	2.114	1.928					1.589	1.535	0.567	2.159	0.826	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.719	2.837				0.539	3.043	1.701	0.718	4.629	1.103	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.153	2.631	0.881				3.455	2.082	0.754	5.307	0.913	
COVID19 (COVID19 (MODERNA))	Accidental exposure to product	2.034					0.389	0.528	0.463	0.756	0.674	0.808	
COVID19 (COVID19 (MODERNA))	No adverse event	1.594	0.819	0.882		0.488	2.08	0.976	1.009	0.9	1.261	1.365	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.417				0.54	0.435	0.332	0.476	0.578	0.544	0.48	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.29	0.876	0.881		0.724	2.339	0.116	0.216	0.741	2.252	2.298	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	1.938	1.734	0.889			0.852	1.709	1.797	2.019	1.896	1.73	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.884					1.405	1.882	1.905	2.066	1.855	1.818	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.905	1.325	0.886			0.675	1.512	1.672	2	1.879	1.628	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC); Miller, Elaine R (CDC)
Subject:	Weekly data mining
Date:	Tuesday, July 27, 2021 7:09:13 AM
Attachments:	USST_20210723.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 7/23/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210723	US Serious EB05 20210723	US Fatal EB05 20210723	US Infant EB05 20210723	US Child EB05 20210723	US Teen EB05 20210723	US Adult1 EB05 20210723	US Adult2 EB05 20210723	US Adult3 EB05 20210723	US Female EB05 20210723	US Male EB05 20210723	Comment
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.508	0.909	0.876				0.776	0.718	0.702	2.148	1.466	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.997	2.527	0.883			0.514	1.556	1.934	3.789	4.091	1.356	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.377	2.156	0.875			0.492	1.557	2.385	1.675	2.393	1.899	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.008	1.825	0.911	0.612		0.405	1.725	1.916	1.916	2.634	1.329	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	2.38	2.416	0.877			0.544	1.098	1.426	0.663	3.264	0.863	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.077	2.102	0.873				1.249	1.953	0.979	1.295	1.932	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	1.937	1.893	0.898			0.543	1.592	1.703	1.214	2.513	0.961	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.166	2.577	0.886			0.538	2.238	2.922	0.741	3.873	1.117	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.406	2.108	0.908	0.612		0.492	2.023	2.217	1.746	3.122	1.494	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	1.982	1.809	0.878			0.521	1.473	2.014	1.591	2.222	1.461	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.373	1.893	0.902			0.477	2.081	2.115	2.853	2.868	1.843	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.354	1.518	0.881			0.419	2.304	2.06	1.88	2.689	1.491	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	1.919	1.447	0.885	0.609		0.349	1.56	2.065	1.622	2.275	1.212	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.379	0.952	0.873				2.546	1.726	0.798	2.835	1.257	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	1.776	1.764	0.872				1.136	2.274	1.025	1.543	1.678	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.74	3.251	0.881				2.096	3.763	1.84	5.717	1.34	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.569	2.923				0.556	3.263	1.926	0.671	6.078	1.043	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	1.73	1.88	0.874			0.074	1.509	2.093	1.149	1.647	1.463	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.004	2.171	0.874				1.592	1.123	0.654	2.271	0.724	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	1.654	1.614					0.812	2.014	0.696	1.044	1.564	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.947	1.823	0.875			0.486	1.741	1.735	1.71	2.16	1.452	
COVID19 (COV D19 (JANSSEN))	Off label use	1.62	0.148				4.741	0.356	0.635	0.36	1.016	1.545	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.592	0.758					2.192	1.002		1.942		
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	4.047	2.022	0.874				0.649	1.018	2.148	2.828	0.922	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.332	2.462	0.894	0.612		0.516	2.107	2.984	1.356	2.77	1.461	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.577	2.271	0.882			0.296	1.98	2.955	2.051	3.195	1.564	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	5.265	3.133	0.874				3.034	1.793	0.69	5.067	1.237	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	0.411					0.62	2.315	1.938	4.224	2.349	2.138	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.002	1.782	0.905	0.612		0.647	1.592	1.979	2.148	2.27	1.613	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	4.45						2.498	6.051	11.289	4.969	3.873	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	1.733	1.815	0.881			0.434	1.52	1.933	1.033	2.054	1.166	
COVID19 (COV D19 (JANSSEN))	Thrombophlebitis superficial	2.073	1.092	0.876			0.55	1.203	1.702	1.101	1.718	1.526	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.314	2.436	1.875	0.612		0.607	2.068	2.389	3.189	2.62	1.877	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.333	1.987	0.874				1.756	1.187	0.654	2.459	0.877	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.105	1.229	0.88			0.588	1.833	1.942	1.682	2.443	1.372	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.654	2.166	0.89	0.612			2.05	2.182	3.31	2.81	2.125	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.275	1.743					2.508	1.395	1.268	2.409	1.394	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan abnormal	2.013	1.29	0.87			0.471	1.476	1.873	1.741	2.016	1.558	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.835	1.045					1.238	1.969	1.589	2.007	1.126	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	0.83	1.039	0.877			0.526	0.846	1.625	2.066	1.146	1.302	
COVID19 (COV D19 (JANSSEN))	Venogram	2.191	2.034					1.699	1.531	0.568	2.281	0.826	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.516	2.723				0.539	3.066	1.641	0.7	4.527	1.076	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.16	2.623	0.874				3.472	2.088	0.753	5.321	0.912	
COVID19 (COV D19 (MODERNA))	Accidental exposure to product	2.085					0.392	0.531	0.468	0.758	0.679	0.812	
COVID19 (COV D19 (MODERNA))	No adverse event	1.602	0.808	0.875		0.494	2.106	0.968	1.015	0.904	1.272	1.366	
COVID19 (COV D19 (MODERNA))	Poor quality product administered	2.425				0.543	0.377	0.309	0.408	0.553	0.474	0.438	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.325	0.878	0.874		0.741	2.379	0.111	0.214	0.718	2.288	2.337	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.867					1.398	1.875	1.882	2.056	1.832	1.81	

From:	Zinderman, Craig E
To:	Menschik, David; Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Nair, Narayan; Alimchandani, Meghna; Marquez, Paige L (CDC); Broder, Karen R (CDC); Harrington, Theresa (CDC); Miller, Elaine R (CDC)
Subject:	Weekly data mining
Date:	Wednesday, August 4, 2021 4:26:16 PM
Attachments:	USST_2021_0730.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 7/30/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210730	US Serious EB05 20210730	US Fatal EB05 20210730	US Infant EB05 20210730	US Child EB05 20210730	US Teen EB05 20210730	US Adult1 EB05 20210730	US Adult2 EB05 20210730	US Adult3 EB05 20210730	US Female EB05 20210730	US Male EB05 20210730	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	1.778	1.727	0.882				1.493	1.755	1.124	2.032	1.161	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.522	0.907	0.887				0.763	0.72	0.698	2.146	1.474	
COVID19 (COVID19 (JANSSEN))	Adverse event	2.014	0.992	0.886				0.963	0.702	0.646	1.483	1.511	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.066	2.568	0.892			0.515	1.529	2.021	3.846	4.206	1.37	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.363	2.142	0.886			0.488	1.525	2.394	1.703	2.44	1.864	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.015	1.826	0.914	0.612		0.397	1.716	1.89	2.017	2.641	1.342	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.557	2.482	0.887			0.539	1.21	1.431	0.664	3.646	0.865	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.11	2.135	0.884				1.283	2.013	0.976	1.384	1.917	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	1.969	1.952	0.905			0.537	1.696	1.763	1.242	2.527	1.026	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.208	2.607	0.895			0.539	2.381	2.851	0.741	3.812	1.225	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.435	2.137	0.914	0.612		0.49	2.082	2.261	1.756	3.143	1.531	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.979	1.802	0.889			0.511	1.505	2.022	1.568	2.255	1.439	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.369	1.884	0.906			0.474	2.114	2.112	2.812	2.861	1.839	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.352	1.565	0.89			0.42	2.335	2.038	1.787	2.678	1.51	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	1.92	1.468	0.893	0.61		0.34	1.561	2.076	1.652	2.256	1.247	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.346	0.944	0.884				2.508	1.704	0.797	2.848	1.246	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	1.801	1.81	0.884				1.111	2.346	1.056	1.575	1.696	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.811	3.353	0.891				2.125	3.813	4.121	5.748	1.343	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.589	2.91				0.557	3.332	1.942	0.672	6.107	1.044	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	1.783	1.956	0.885			0.06	1.597	2.152	1.222	1.732	1.494	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.024	2.168	0.885				1.603	1.125	0.655	2.308	0.725	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	1.749	1.817					0.814	2.05	0.839	1.133	1.634	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.963	1.862	0.886			0.478	1.745	1.774	1.742	2.202	1.455	
COVID19 (COVID19 (JANSSEN))	Off label use	1.627	0.147				4.801	0.352	0.621	0.353	1.02	1.526	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.6	0.757					2.232	1.003		1.962		
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.939	2.016	0.885				0.65	1.019	1.914	2.488	0.922	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.313	2.533	0.902	0.612		0.511	2.064	2.991	1.368	2.782	1.446	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.551	2.259	0.891			0.286	1.969	2.921	2.033	3.172	1.552	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	4.987	3.252	0.885				3.108	1.805	0.692	4.867	1.315	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.425					0.593	2.24	1.967	4.132	2.297	2.123	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	1.994	1.771	0.907	0.612		0.649	1.576	1.974	2.131	2.282	1.59	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	4.549						2.566	6.305	11.62	5.216	3.937	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	1.811	1.891	0.889			0.432	1.574	1.949	1.125	2.108	1.253	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.135	1.143	0.887			0.551	1.26	1.688	1.201	1.817	1.529	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.298	2.406	1.824	0.612		0.605	2.079	2.369	3.114	2.6	1.879	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.235	1.951	0.885				1.638	1.189	0.654	2.208	0.877	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.129	1.263	0.889			0.59	1.889	1.939	1.69	2.484	1.383	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.647	2.17	0.897	0.612			2.055	2.18	3.318	2.77	2.145	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.273	1.708					2.592	1.344	1.305	2.398	1.406	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	2.014	1.374	0.882			0.473	1.521	1.852	1.72	1.994	1.588	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.805	1.03					1.238	1.948	1.567	2	1.097	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	0.956	1.24	0.889			0.527	0.956	1.978	3.041	1.299	1.501	
COVID19 (COVID19 (JANSSEN))	Venogram	2.282	2.059					1.675	1.685	0.565	2.326	0.891	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.295	2.635				0.53	2.967	1.583	0.7	4.286	1.062	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.072	2.512	0.885				3.105	2.373	0.754	5.081	0.914	
COVID19 (COVID19 (MODERNA))	No adverse event	1.572	0.81	0.886		0.488	2.098	0.925	0.977	0.893	1.24	1.34	
COVID19 (COVID19 (MODERNA))	Accidental exposure to product	2.114					0.381	0.533	0.47	0.737	0.675	0.787	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.456				0.544	0.278	0.329	0.278	0.383	0.547	0.444	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.36	0.867	0.885		0.754	2.422	0.089	0.24	0.672	2.318	2.381	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.849					1.397	1.877	1.867	2.066	1.828	1.786	

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 8/6/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210806	US Serious EB05 20210806	US Fatal EB05 20210806	US Infant EB05 20210806	US Child EB05 20210806	US Teen EB05 20210806	US Adult1 EB05 20210806	US Adult2 EB05 20210806	US Adult3 EB05 20210806	US Female EB05 20210806	US Male EB05 20210806	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.706	1.656	0.894				1.366	1.416	1.288	2.046	0.943	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	1.799	1.736	0.888				1.45	1.792	1.225	2.063	1.189	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.525	0.904	0.892				0.758	0.712	0.689	2.147	1.49	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.043	0.986	0.892				0.949	0.702	0.699	1.48	1.574	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3.13	2.586	0.897			0.517	1.612	2.159	3.54	4.292	1.384	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.373	2.145	0.893			0.478	1.536	2.437	1.716	2.378	1.931	
COVID19 (COV D19 (JANSSEN))	Antibody test	1.894	0.82					0.661	1.832	2.373	1.723	1.492	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.034	1.834	0.921	0.612		0.396	1.723	1.948	1.992	2.666	1.359	
COVID19 (COV D19 (JANSSEN))	Areflexia	1.758	2.077	0.89				0.817	1.73	1.026	1.347	1.342	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	2.655	2.509	0.893			0.536	1.21	1.595	0.659	3.866	0.859	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.198	2.205	0.89				1.427	2.095	0.961	1.659	1.842	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.013	1.979	0.908			0.539	1.7	1.843	1.263	2.555	1.087	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.175	2.582	0.899			0.541	2.33	2.853	0.74	3.829	1.207	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.453	2.141	0.92	0.612		0.487	2.021	2.297	1.814	3.154	1.551	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	1.98	1.808	0.897			0.51	1.487	1.998	1.655	2.253	1.447	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.348	1.876	0.909			0.477	2.098	2.085	2.8	2.85	1.819	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.333	1.546	0.895			0.414	2.29	2.067	1.824	2.661	1.513	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	1.932	1.489	0.899	0.61		0.328	1.557	2.131	1.654	2.275	1.26	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.268	0.959	0.891				2.372	1.72	0.792	2.721	1.209	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	1.855	1.846	0.89				1.185	2.351	1.127	1.724	1.69	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.878	3.376	0.896				2.141	4.123	4.096	5.837	1.342	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.599	2.892				0.558	3.379	1.946	0.672	6.126	1.043	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	1.81	1.981	0.891			0.041	1.694	2.107	1.297	1.798	1.494	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.129	2.219	0.891				1.472	1.204	0.741	2.732	0.712	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	1.811	1.894					0.907	2.031	0.911	1.276	1.608	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	1.986	1.881	0.893			0.471	1.736	1.816	1.785	2.265	1.448	
COVID19 (COV D19 (JANSSEN))	Off label use	1.652	0.243	0.89			4.86	0.348	0.61	0.346	1.057	1.558	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.603	0.756					2.263	1.004		1.976		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.017	0.85				0.54	1.468	1.929	0.97	1.96	1.146	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.937	1.998	0.891				0.651	1.02	1.911	2.503	0.921	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.287	2.457	0.905	0.612		0.503	2.082	3.083	1.372	2.795	1.436	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.57	2.257	0.896			0.281	2.01	2.938	2.024	3.232	1.54	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	5.165	3.161	0.891				3.155	1.809	0.691	4.903	1.241	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	0.463					0.569	2.428	2.036	4.031	2.41	2.312	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	1.995	1.763	0.911	0.612		0.652	1.562	1.984	2.131	2.275	1.602	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	4.594						2.628	6.178	-11.918	5.373	4.006	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	1.798	1.868	0.894			0.424	1.598	1.932	1.144	2.09	1.253	
COVID19 (COV D19 (JANSSEN))	Thrombophlebitis superficial	2.239	1.122	0.892			0.552	1.311	1.777	1.2	1.927	1.59	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.275	2.364	1.765	0.612		0.608	2.08	2.34	3.04	2.589	1.843	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.187	1.902	0.891				1.59			2.122	0.877	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.124	1.302	0.894			0.586	1.841	1.959	1.747	2.456	1.413	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.631	2.174	0.901	0.612			2.081	2.174	3.266	2.801	2.12	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.207	1.664					2.462	1.391	1.257	2.352	1.354	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.048	1.34	0.896			0.524	0.966	2.091	3.989	1.4	1.601	
COVID19 (COV D19 (JANSSEN))	Venogram	2.194	2.018					1.663	1.634	0.561	2.23	0.924	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.251	2.596				0.532	2.586	1.793	0.699	4.223	1.047	
COVID19 (COV D19 (JANSSEN))	Venogram normal	3.896	2.411	0.891				2.762	2.377	0.747	4.942	0.897	
COVID19 (COV D19 (MODERNA))	Accidental exposure to product	2.128					0.385	0.519	0.471	0.738	0.679	0.77	
COVID19 (COV D19 (MODERNA))	No adverse event	1.568	0.81	0.891		0.47	2.127	0.923	0.969	0.891	1.237	1.343	
COVID19 (COV D19 (MODERNA))	Poor quality product administered	2.477				0.545	0.287	0.258	0.374	0.565	0.443	0.377	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.373	0.867	0.891		0.763	2.437	0.084	0.236	0.653	2.331	2.392	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.826					1.388	1.873	1.854	2.059	1.803	1.772	

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 8/13/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210813	US Serious EB05 20210813	US Fatal EB05 20210813	US Infant EB05 20210813	US Child EB05 20210813	US Teen EB05 20210813	US Adult1 EB05 20210813	US Adult2 EB05 20210813	US Adult3 EB05 20210813	US Female EB05 20210813	US Male EB05 20210813	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.78	1.77	0.886			0.435	1.346	1.494	1.352	2.149	0.997	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	1.804	1.7	0.878				1.455	1.753	1.287	2.024	1.235	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.613	0.901	0.884				0.885	0.776	0.68	2.18	1.581	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.97	2.48	0.89			0.514	1.609	2.04	3.596	4.181	1.366	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.367	2.108	0.885			0.479	1.553	2.424	1.721	2.458	1.883	
COVID19 (COV D19 (JANSSEN))	Antibody test	1.998	0.84					0.706	1.84	3.29	1.807	1.567	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.031	1.792	0.912	0.612		0.472	1.725	1.901	2.013	2.667	1.361	
COVID19 (COV D19 (JANSSEN))	Areflexia	1.804	2.091	0.881				0.888	1.786	1.02	1.403	1.367	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	2.744	2.505	0.885			0.536	1.213	1.606	0.658	4.004	0.861	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.207	2.194	0.882				1.431	2.124	0.957	1.663	1.857	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.045	1.974	0.902			0.535	1.758	1.882	1.269	2.695	1.064	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.071	2.51	0.893			0.541	2.353	2.52	0.738	3.718	1.193	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.447	2.109	0.914	0.612		0.488	1.966	2.292	1.849	3.127	1.565	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.018	1.816	0.891			0.508	1.471	2.008	1.792	2.273	1.505	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.382	1.887	0.908			0.478	2.172	2.079	2.841	2.932	1.834	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.325	1.52	0.888			0.414	2.287	2.025	1.849	2.677	1.493	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	1.974	1.547	0.892	0.611		0.374	1.618	2.133	1.713	2.349	1.271	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.253	0.94	0.883				2.39	1.685	0.793	2.74	1.188	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	1.842	1.845	0.881				1.203	2.403	1.104	1.698	1.7	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	4.928	3.464	0.889				2.549	3.752	5.132	6.015	1.484	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.755	2.965				0.558	3.458	2.476	0.671	6.328	1.045	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	1.81	1.967	0.882			0.035	1.72	2.109	1.298	1.86	1.46	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.071	2.167	0.883				0.952	1.142	0.743	2.664	0.705	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	1.817	1.881					0.952	2.001	0.908	1.318	1.588	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.01	1.878	0.885			0.473	1.78	1.812	1.841	2.267	1.508	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.757	0.25	0.881			5.022	0.351	0.614	0.441	1.142	1.62	
COVID19 (COV D19 (JANSSEN))	Off label use	1.628	0.754					2.327	1.005		2.028		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.16	0.9	0.882			0.54	1.622	1.958	0.979	2.019	1.302	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	4.022	1.992	0.882				0.651	1.02	2.004	2.696	0.922	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.361	2.489	0.9	0.612		0.5	2.06	3.18	1.36	2.927	1.457	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.581	2.244	0.889	0.883		0.277	2.005	2.959	2.029	3.265	1.535	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	5.422	3.298	0.883				3.824	2.145	0.691	5.255	1.422	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	0.494					0.571	2.591	2.009	4.169	2.626	2.312	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.022	1.755	0.907	0.612		0.735	1.565	2.008	2.161	2.307	1.626	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	4.753						3.463	5.506	12.191	5.638	4.087	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	1.806	1.858	0.886			0.422	1.666	1.895	1.156	2.137	1.242	
COVID19 (COV D19 (JANSSEN))	Thrombophlebitis superficial	2.267	1.122	0.885			0.552	1.305	1.812	1.218	1.937	1.627	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.325	2.357	1.808	0.612		0.605	2.077	2.341	3.088	2.645	1.877	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.123	1.868	0.882			0.582	1.64	1.195	0.653	2.185	0.855	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.107	1.289	0.887			0.582	1.811	1.927	1.827	2.43	1.421	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.682	2.181	0.895	0.612		0.469	2.177	2.167	3.362	2.936	2.127	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.224	1.687					2.387	1.468	1.31	2.37	1.385	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	0.922	1.476	0.889			0.524	1.059	2.031	3.944	1.392	1.521	
COVID19 (COV D19 (JANSSEN))	Venogram	2.291	2.025					1.783	1.663	0.559	2.343	0.977	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.306	2.621				0.623	2.436	1.843	0.7	4.329	1.032	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.01	2.407	0.883				2.815	2.815	0.749	5.086	0.898	
COVID19 (COV D19 (MODERNA))	Accidental exposure to product	2.084				0.388	0.519	0.47	0.73		0.65	0.759	
COVID19 (COV D19 (MODERNA))	No adverse event	1.531	0.801	0.883		0.459	2.141	0.914	0.96	0.859	1.214	1.326	
COVID19 (COV D19 (MODERNA))	Poor quality product administered	2.429				0.547	0.29	0.249	0.385	0.555	0.416	0.376	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.394	0.869	0.883		0.847	2.47	0.108	0.23	0.657	2.349	2.426	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	1.901	1.795	0.911			0.938	1.778	1.903		1.741	1.719	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.799	0.883	2.73		0.587				0.577	1.005	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	1.946	1.735	0.895			0.895	1.685	1.772	2.04	1.901	1.754	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.814	0.636				1.367	1.88	1.852	2.084	1.803	1.751	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	1.916	1.366	0.889			0.73	1.516	1.66	2.039	1.89	1.652	

From: Menschik, David
To: Su, John (CDC); Shimabukuro, Tom (CDC)
Cc: Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject: RE: Weekly data mining
Date: Tuesday, August 24, 2021 5:23:45 PM
Attachments: USST_20210820.xls

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 8/20/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210820	US Serious EB05 20210820	US Fatal EB05 20210820	US Infant EB05 20210820	US Child EB05 20210820	US Teen EB05 20210820	US Adult1 EB05 20210820	US Adult2 EB05 20210820	US Adult3 EB05 20210820	US Female EB05 20210820	US Male EB05 20210820	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.768	1.679	0.886			0.43	1.288	1.525	1.401	2.169	0.977	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	1.843	1.703	0.879				1.431	1.837	1.361	2.078	1.268	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.564	0.892	0.884				0.856	0.759	0.643	2.154	1.515	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.127	2.502	0.892			0.517	1.704	2.059	3.98	4.323	1.426	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.413	2.094	0.884			0.479	1.599	2.424	1.855	2.501	1.931	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.09	0.84				0.519	0.76	1.758	3.171	1.902	1.682	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.067	1.766	0.91	0.612		0.462	1.715	1.903	2.198	2.726	1.392	
COVID19 (COVID19 (JANSSEN))	Areflexia	1.882	2.108	0.881				0.877	1.911	1.054	1.507	1.377	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.719	2.462	0.884			0.539	1.072	1.859	0.657	4.198	0.851	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.319	2.237	0.882				1.544	2.189	0.983	1.816	1.904	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.105	1.946	0.903			0.538	1.62	1.911	1.334	2.857	1.079	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	1.901	1.75	0.884				0.983	0.954	1.519	2.128	0.909	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.138	2.504	0.893			0.544	2.278	2.712	0.747	3.738	1.219	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.516	2.1	0.921	0.612		0.487	1.947	2.372	1.939	3.239	1.622	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.062	1.81	0.891			0.512	1.447	2.021	1.983	2.344	1.532	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.433	1.871	0.905			0.481	2.155	2.101	3.078	3.011	1.869	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.364	1.498	0.888			0.418	2.319	2.042	1.941	2.731	1.516	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	1.979	1.499	0.892	0.611		0.369	1.576	2.157	1.79	2.363	1.275	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.817	0.978	0.882			0.446	1.613	1.69	0.8	2.046	1.072	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.261	0.939	0.883				2.358	1.693	0.801	2.781	1.184	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	1.979	1.899	0.881				1.234	2.523	1.262	1.835	1.812	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.063	3.431	0.889				2.597	3.914	5.568	6.295	1.502	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	5.871	2.968				0.561	3.521	2.638	0.669	6.465	1.052	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	1.834	1.95	0.882			0.027	1.705	2.165	1.353	1.897	1.471	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.183	2.208	0.883				1.574	1.165	0.747	3.148	0.707	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	1.875	1.899					0.95	2.087	0.932	1.334	1.654	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.056	1.874	0.886			0.47	1.758	1.859	1.956	2.292	1.568	
COVID19 (COVID19 (JANSSEN))	Off label use	1.803	0.25	0.881			5.029	0.351	0.603	0.432	1.178	1.657	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.679	0.755					2.385	1.012		2.121		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.328	0.899				0.543	1.61	2.062	1.084	2.211	1.326	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.874	1.884	0.882				0.652	0.999	2.344	3.378	0.905	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.495	2.469	0.9	0.612		0.503	2.082	3.216	1.414	3.141	1.508	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.633	2.216	0.889			0.274	2.016	3.01	2.173	3.33	1.567	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.709	3.385	0.883			0.576	4.225	2.574	2.234	5.671	1.433	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.526					0.576	2.574	2.072	4.767	3.127	2.505	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.062	1.727	0.905	0.612		0.738	1.587	2.014	2.282	2.362	1.653	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	1.873	1.738	0.886				1.446	1.349	2.009	1.721	1.557	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	2.208	1.32	0.889			0.561	1.6	1.83	0.543	1.936	2.046	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	5.199	1.83	0.886			0.56	3.083	5.618	13.351	6.288	4.475	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	1.861	1.83	0.886			0.418	1.664	1.909	1.239	2.22	1.274	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.3	1.165	0.885			0.555	1.351	1.796	1.263	1.916	1.701	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.439	2.343	1.78	0.612		0.604	2.12	2.369	3.303	2.79	1.943	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.172	1.951	0.882				1.657	1.205	0.651	2.247	0.859	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.172	1.305	0.887			0.585	1.823	1.987	1.944	2.48	1.495	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.728	2.153	0.898	0.612		0.473	2.196	2.18	3.539	3.036	2.142	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.256	1.688					2.39	1.453	1.427	2.419	1.42	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	2.002	1.292	0.879			0.472	1.453	1.875	1.786	1.939	1.64	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.024	1.676	0.891			0.527	1.098	2.07	4.238	1.586	1.691	
COVID19 (COVID19 (JANSSEN))	Venogram	2.304	1.999					1.766	1.642	0.549	2.351	0.978	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.36	2.65				0.625	2.61	1.828	0.7	4.318	1.039	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.006	2.413	0.883				2.774	3.009	0.754	4.99	0.968	
COVID19 (COVID19 (MODERNA))	No adverse event	1.453	0.801	0.883		0.445	2.134	0.898	0.938	0.807	1.165	1.288	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.209				0.548	0.289	0.269	0.388	0.536	0.374	0.346	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.38	0.868	0.883		0.851	2.471	0.104	0.222	0.59	2.338	2.418	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.838	0.985	0.885			0.567	0.911	1.157	0.59	1.782	1.443	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.121	1.801	0.911			0.94	1.795	1.925	2.166	1.977	1.89	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.704	0.799	0.883	2.264		0.499				0.51	1.038	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.06	1.735	0.895			0.897	1.673	1.799	2.219	2.012	1.848	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.848	0.638				1.369	1.9	1.883	2.257	1.842	1.778	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.032	1.363	0.889			0.732	1.528	1.692	2.196	2.017	1.718	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, August 31, 2021 7:48:22 AM
Attachments:	USST_20210827.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 8/27/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210827	US Serious EB05 20210827	US Fatal EB05 20210827	US Infant EB05 20210827	US Child EB05 20210827	US Teen EB05 20210827	US Adult1 EB05 20210827	US Adult2 EB05 20210827	US Adult3 EB05 20210827	US Female EB05 20210827	US Male EB05 20210827	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.861	1.737	0.885			0.426	1.381	1.619	1.426	2.349	1.01	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	1.903	1.693	0.877				1.47	1.846	1.487	2.097	1.344	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.515	0.909	0.883				0.848	0.707	0.63	2.159	1.513	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.063	2.431	0.89			0.507	1.638	2.055	4.095	4.165	1.434	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.414	2.036	0.883			0.469	1.617	2.424	1.865	2.555	1.904	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.287	0.855	0.881			0.597	0.753	1.867	2.985	2.086	1.856	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.095	1.74	0.911	0.612		0.459	1.776	1.884	2.221	2.76	1.417	
COVID19 (COVID19 (JANSSEN))	Areflexia	1.998	2.162	0.882				0.881	1.992	1.165	1.528	1.496	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.429	1.174	0.885	0.609		0.309	0.845	2.081	1.056	1.55	1.03	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.591	2.375	0.883			0.54	1.06	1.914	0.655	3.785	0.857	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.364	2.23	0.881				1.544	2.206	1.075	1.839	1.948	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.178	1.948	0.904			0.538	1.618	1.987	1.365	2.995	1.128	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	1.954	1.688	0.883				0.987	0.939	1.58	2.236	0.916	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.27	2.517	0.892			0.539	2.407	2.836	0.753	3.89	1.224	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.582	2.086	0.929	0.612		0.569	1.983	2.44	1.968	3.32	1.671	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.091	1.795	0.891			0.507	1.477	2.022	2.049	2.361	1.569	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.489	1.872	0.904			0.479	2.181	2.136	3.166	3.096	1.915	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.44	1.204	0.886				0.91	2.023	1.174	1.589	0.984	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.419	1.566	0.889			0.415	2.327	2.118	1.971	2.745	1.605	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.032	1.515	0.895	0.611		0.369	1.609	2.205	1.898	2.419	1.337	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.847	0.97	0.881			0.45	1.616	1.74	0.806	2.09	1.078	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.261	0.933	0.882				2.351	1.679	0.809	2.753	1.207	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.106	1.93	0.88				1.263	2.632	1.39	1.976	1.885	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.158	3.512	0.89				3.438	3.786	5.857	6.534	1.673	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6	2.975				0.561	3.632	2.86	0.668	6.626	1.059	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	1.93	1.982	0.88			0.025	1.836	2.215	1.451	1.991	1.553	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.258	2.213	0.882				1.597	1.176	0.75	3.422	0.709	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	1.909	1.869					0.956	2.063	1.019	1.382	1.665	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.087	1.853	0.886			0.534	1.788	1.861	2.015	2.322	1.601	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.44	1.08	0.879			0.307	0.995	2.058	0.518	1.695	0.85	
COVID19 (COVID19 (JANSSEN))	Off label use	1.853	0.248	0.88			5.293	0.343	0.572	0.402	1.216	1.672	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.731	0.756					2.505	1.02		2.223		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.474	0.899				0.544	1.71	2.158	1.094	2.351	1.422	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.489	1.8	0.881				0.653	0.974	2.63	2.207	0.909	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.652	2.517	0.903	0.612		0.504	2.204	3.367	1.429	3.339	1.622	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.745	1.51	0.894	0.608		0.333	2.056	3.052	2.238	3.405	1.622	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.706	2.224	0.89			0.429	2.056	3.052	2.238	3.405	1.622	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.853	3.466	0.882				4.367	2.339	0.688	5.901	1.642	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.582					0.58	2.792	2.237	4.884	3.385	2.714	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.626	1.369	0.882	0.744		0.305	1.255	1.957	1.199	2.044	1.116	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.104	1.717	0.906	0.612		0.643	1.612	2.04	2.34	2.44	1.676	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	1.932	1.724	0.885				1.494	1.334	2.129	1.789	1.586	
COVID19 (COVID19 (JANSSEN))	Superior sagittal sinus thrombosis	1.44	1.177				0.561	0.96	0.843	0.65	2.008	0.602	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	2.463	1.821	0.893			0.556	1.663	2.074	0.567	2.094	2.426	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	5.709					0.655	3.209	5.951	14.615	6.957	4.918	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	1.956	1.864	0.889			0.42	1.682	2.043	1.271	2.347	1.335	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.344	1.154	0.883			0.556	1.327	1.876	1.289	1.955	1.732	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.561	2.332	1.793	0.612		0.603	2.176	2.431	3.438	2.929	2.042	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.317	2.045	0.881				1.892	1.201	0.65	2.471	0.863	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.204	1.295	0.885			0.588	1.78	2.005	2.072	2.51	1.532	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.765	2.098	0.897	0.612		0.558	2.244	2.193	3.535	3.159	2.127	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.279	1.685				0.475	2.378	1.462	1.523	2.398	1.478	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	2.036	1.333	0.877			0.474	1.421	1.929	1.908	1.978	1.662	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.831	1.053	0.881				1.18	2.021	1.85	1.966	1.19	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.103	1.964	0.893			0.528	1.132	2.279	4.505	1.725	1.908	
COVID19 (COVID19 (JANSSEN))	Venogram	2.365	2.034					1.71	1.75	0.544	2.4	1.033	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.37	2.645				0.621	2.689	1.821	0.703	4.357	1.039	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.217	2.512	0.882				3.196	3.265	0.757	5.112	1.059	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.295	0.733		3.202	0.715		1.102			1.168	0.785	
COVID19 (COVID19 (MODERNA))	Poor quality product administered	2.052				0.535	0.33	0.289	0.408	0.542	0.407	0.34	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.309	0.869	0.882		0.81	2.401	0.149	0.221	0.562	2.295	2.351	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.912	0.983	0.884			0.57	0.918	1.182	2.21	1.858	1.475	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.036	1.006	0.879			0.643	1.4	1.572	1.897	2.001	1.502	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.315	1.815	0.913			0.958	1.806	1.931	2.259	2.16	2.06	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.613	0.8	0.882	2.412		0.412				0.439	1.04	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.169	1.74	0.896			0.914	1.691	1.85	2.355	2.116	1.938	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.898	0.64				1.412	1.922	1.937	2.386	1.887	1.819	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.119	1.34	0.888			0.738	1.542	1.707	2.328	2.114	1.761	

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 9/3/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210903	US Serious EB05 20210903	US Fatal EB05 20210903	US Infant EB05 20210903	US Child EB05 20210903	US Teen EB05 20210903	US Adult1 EB05 20210903	US Adult2 EB05 20210903	US Adult3 EB05 20210903	US Female EB05 20210903	US Male EB05 20210903	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.927	1.775	0.882			0.421	1.386	1.648	1.575	2.478	1.058	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	1.933	1.687	0.871				1.455	1.909	1.55	2.094	1.403	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.803	0.929	0.878			0.835	0.755	0.606		2.296	1.496	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.198	2.465	0.886			0.509	1.942	2.06	4.057	4.278	1.484	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.526	2.089	0.88			0.47	1.698	2.523	2.029	2.76	1.98	
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.609	1.472	0.879			0.424	1.107	2.012	0.774	1.767	1.167	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.293	0.836	0.874			0.598	0.775	1.902	2.134	2.017	1.96	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.157	1.755	0.946	0.612		0.455	1.804	1.936	2.311	2.829	1.474	
COVID19 (COVID19 (JANSSEN))	Areflexia	2.047	2.155	0.876				0.877	1.965	1.258	1.576	1.515	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.46	1.201	0.879		0.609	0.3	0.918	2.108	1.038	1.566	1.072	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.876	2.459	0.878			0.541	1.153	1.982	0.655	3.974	0.933	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.41	2.22	0.875				1.561	2.286	1.085	1.848	2.002	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.185	1.918	0.905			0.539	1.618	2.005	1.361	2.972	1.119	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.039	1.684	0.884			0.55	0.854	1.227	0.958	2.219	0.798	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.053	1.725	0.876				1.066	0.997	1.559	2.306	1.013	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.244	2.509	0.888			0.535	2.353	2.897	0.751	3.843	1.218	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.666	2.096	0.926	0.612		0.571	2.117	2.511	2.004	3.449	1.711	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.189	1.823	0.898			0.51	1.546	2.078	2.241	2.462	1.662	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.56	1.895	0.902			0.48	2.243	2.181	3.219	3.163	1.975	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.484	1.232	0.879				0.983	2.077	1.153	1.616	1.037	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.807	0.817	0.876			1.211	2.008	1.514	1.052	1.91	1.427	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.404	1.5	0.884			0.415	2.317	2.117	1.9	2.722	1.589	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.103	1.58	0.893	0.611		0.363	1.625	2.264	2.107	2.49	1.411	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.889	0.969	0.875			0.45	1.667	1.753	0.806	2.117	1.115	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.296	0.949	0.876				2.365	1.688	0.892	2.753	1.252	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.203	1.932	0.873				1.262	2.74	1.44	1.987	1.991	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.225	3.543	0.886				3.265	3.981	6.541	6.852	1.79	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.101	2.994				0.561	3.729	3.309	0.668	6.737	1.065	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	1.967	1.98	0.874			0.026	1.847	2.277	1.468	2.046	1.572	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.87	1.199	0.881				1.323	1.808	0.953	2.011	1.11	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.328	2.229	0.876				1.621	1.182	0.752	3.61	0.712	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.697	1.384	0.874				1.001	2.036	0.986	1.521	1.515	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	1.977	1.908					0.963	2.197	1.027	1.39	1.757	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.135	1.85	0.881			0.533	1.78	1.93	2.048	2.411	1.597	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.464	1.087	0.873			0.3	1.025	2.083	0.512	1.693	0.892	
COVID19 (COVID19 (JANSSEN))	Off label use	1.8	0.332	0.874			5.195	2.621	0.572	0.36	1.178	1.564	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.783	0.757					2.621	1.024		2.315		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.437	0.888				0.545	1.64	2.063	1.083	2.311	1.371	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.651	1.798	0.875				0.653	0.977	2.896	2.315	0.913	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.675	2.433	0.917	0.612		0.505	2.084	3.32	1.434	3.259	1.66	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.772	1.486	0.887		0.609	0.33	1.502	2.008	1.325	2.066	1.362	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.748	2.207	0.885			0.427	2.104	3.077	2.26	3.478	1.625	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.827	3.499	0.876				4.174	2.512	0.688	5.792	1.675	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	0.782					0.579	2.981	2.241	5.017	3.72	2.817	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.652	1.365	0.876	0.744		0.302	1.263	2.014	1.22	2.066	1.147	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.172	1.728	0.916	0.612		0.645	1.638	2.088	2.471	2.488	1.746	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.01	1.723	0.879				1.498	1.378	2.241	1.85	1.621	
COVID19 (COVID19 (JANSSEN))	Superior sagittal sinus thrombosis	1.448	1.184				0.561	0.943	0.861	0.65	2.064	0.603	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	2.731	2.215	0 9			0.556	1.722	2.122	0.673	2.312	2.661	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.415					0.656	2.586	6.408	14.711	7.484	5.344	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.006	1.862	0.883			0.42	1.685	2.089	1.324	2.382	1.394	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.354	1.164	0.878			0.551	1.357	1.898	1.282	1.971	1.749	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.645	2.279	1.753	0.612		0.606	2.132	2.437	3.537	2.916	2.096	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.379	2.057	0.875				1.933	1.208	0.65	2.558	0.868	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.227	1.292	0.88			0.585	1.772	2.039	2.122	2.528	1.574	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.837	2.106	0.893	0.612		0.56	2.332	2.249	3.575	3.281	2.173	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.352	1.756	0.872	0.608		0.477	2.473	1.539	1.526	1.924	1.534	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.773	1.452	0.872	0.608			1.191	2.041		1.753	1.623	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	2.051	1.335	0.871			0.467	1.421	1.955	1.886	1.964	1.702	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.871	1.083	0.876				1.198	2.024	2.007	1.98	1.225	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.351	2.145	0.908			0.598	0.995	2.134	4.463	1.831	2.002	
COVID19 (COVID19 (JANSSEN))	Venogram	2.346	2.02					1.662	1.777	0.539	2.407	1.024	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.368	2.631				0.617	2.662	1.863	0.704	4.298	1.046	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.143	2.443	0.876				3.269	2.629	0.758	5.197	1.035	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.264	0.755		3.215	0.715		1.181	0.516		1.261	0.824	
COVID19 (COVID19 (MODERNA))	No adverse event	1.263	0.835	0.88		0.336	2.003	0.909	0.91	0.772	1.115	1.222	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.306	0.862	0.876		0.81	2.422	0.141	0.214	0.619	2.313	2.36	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.958	0.981	0.878			0.57	0.903	1.235	2.282	1.912	1.501	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.115	1.022	0.874			0.643	1.446	1.606	1.988	2.077	1.565	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.459	1.759	0.926			0.971	1.835	1.938	2.236	2.238	2.143	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.575	0.819	0.878	2.72		0.363				0.382	1.021	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.238	1.736	0.894			0.928	1.736	1.911	2.419	2.181	2.012	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.92	0.643				1.412	1.939	1.976	2.435	1.899	1.837	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.108	1.31	0.884			0.762	1.511	1.683	2.336	2.102	1.77	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, September 14, 2021 6:16:57 AM
Attachments:	USST_20210910.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 9/10/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210910	US Serious EB05 20210910	US Fatal EB05 20210910	US Infant EB05 20210910	US Child EB05 20210910	US Teen EB05 20210910	US Adult1 EB05 20210910	US Adult2 EB05 20210910	US Adult3 EB05 20210910	US Female EB05 20210910	US Male EB05 20210910	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	1 971	1.778	0.875			0.425	1.437	1.642	1 619	2.444	1.131	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	1.96	1.67	0.86				1.55	1.894	1 526	2.101	1.433	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2 905	0.923	0.867				0.832	0.759	0.609	2.397	1.492	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.712	1.174	0.874				1.333	1.262	1.176	2.031	0.923	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3 249	2.446	0.877			0.511	1.997	2.085	4 007	4.351	1.489	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2 574	2 071	0.872			0.47	1.737	2.549	2.121	2.857	2.006	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1 674	1 539	0.868			0.41	1.157	2.098	0.827	1.926	1.159	
COVID19 (COV D19 (JANSSEN))	Antibody test	2 261	0.829	0.862			0.595	0.762	1.828	2 027	1.973	1.946	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.193	1.743	1.478	0.612		0.461	1.847	1.953	2.36	2 87	1.509	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.114	2 093	0.864			0.884	2.003	1 241	1.571	1.608		
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1 555	1 284	0.871	0.609		0.297	1.015	2 22	1.101	1.701	1.111	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.136	2.499	0.869			0.543	1.252	2.032	0.656	4.18	0.937	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1 642	1.463	0.872			0.274	1.096	1.962	1.122	2 03	1.007	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2 548	2 271	0.862				1.587	2.522	1.075	2 03	2.071	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2 258	1 945	0.911			0.541	1.715	2.028	1.409	3.184	1.127	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2 358	1 941	0.882			0.552	1.049	1.233	0.958	2.704	0.872	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2 004	1 624	0.864				1.037	0.988	1 553	2.244	0.993	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3 296	2.5	0.879			0.537	2.442	2.866	0.752	3.932	1.212	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.726	2.103	0.933	0.612		0.574	2.261	2.522	2.066	3 56	1.733	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	1 888	1.443	0.875			0.343	1.618	2	1 329	1.935	1.535	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2 226	1.815	0.897			0.514	1.551	2.14	2 255	2.546	1.664	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2 573	1 877	0.896			0.484	2.228	2.193	3.26	3.19	1 982	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1 599	1 358	0.871				1.08	2.258	1 223	1.772	1.091	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.815	0.801	0.863			1.177	2.021	1.532	1 033	1 92	1.431	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2 379	1 388	0.874			0.415	2.305	2.104	1 845	2.705	1.566	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.132	1 564	0.892	0.611		0.367	1.653	2.314	2.086	2 53	1.425	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1 922	1 006	0.863			0.452	1.638	1.903	0.803	2.125	1.177	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2 293	0 938	0.864				2.42	1.657	0.889	2.732	1.254	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2 264	1 921	0.861				1.283	2.806	1.425	2.022	2.039	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5 285	3 518	0.876				3.381	4.091	6.29	6.694	1.83	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6 303	3.111	0.864			0.563	4.371	3.667	0.669	6.962	1.071	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2 005	1 976	0.865			0.024	1.904	2.32	1.461	2.116	1.585	
COVID19 (COV D19 (JANSSEN))	Intensive care	1 656	1.411	0.943			0.004	1.282	1.859	1.782	2.006	1.283	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1 956	1 291	0.871				1.382	1.9	0.954	2.064	1.195	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.405	2 229	0.864				1.66	1.187	0.752	3.785	0.715	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.792	1.441	0.861				1.125	2.107	0.981	1.646	1.554	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	1 989	1 883					0.967	2.23	1.02	1.395	1.766	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.179	1 854	0.869			0.539	1.874	1.93	2 088	2.489	1.614	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.501	1.101	0.859			0.298	1.059	2.099	0.559	1.763	0.888	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.378	1.215	0.878	0.609		0.055	0.935	1.744	1 654	2.057	0.882	
COVID19 (COV D19 (JANSSEN))	Off label use	1.733	0 309	0.862			5.316	0.295	0.55	0.346	1.13	1.556	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.781	0.757					2.819	1.014		2.279		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2 332	0.886				0.546	1.571	2.053	1.05	2.216	1.328	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	4.01	1 982	0.864				0.655	1.076	3.418	2.43	1.014	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.726	2.407	0.914	0.612		0.504	2.066	3.318	1 649	3.288	1.684	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.809	1.486	0.88	0.609		0.332	1.553	2.039	1 341	2.134	1.362	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.75	2.155	0.876			0.424	2.122	3.057	2 261	3.487	1.63	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	5 947	3.52	0.864				4.27	2.651	0.689	5.925	1.719	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	0.835					0.647	3.208	2.349	5 288	3.934	3.004	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.73	1.421	0.868	0.744		0.3	1.37	2.082	1 258	2.167	1.201	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2 207	1.716	0.924	0.612		0.639	1.644	2.113	2 563	2.533	1.773	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2 065	1.714	0.868				1.613	1.406	2.22	1.931	1.635	
COVID19 (COV D19 (JANSSEN))	Superior sagittal sinus thrombosis	1.496	1 204				0.563	0.969	0.863	0.651	2.145	0.617	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	2 822	2 267	0.899			0.557	1.763	2.152	0.066	2.334	2.823	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	6 687					0.657	3.446	6.5	14.814	7.815	5.53	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2 041	1 862	0.877			0.42	1.743	2.089	1.35	2.465	1.396	
COVID19 (COV D19 (JANSSEN))	Thrombophlebitis superficial	2.38	1 211	0.867			0.553	1.374	1.865	1.442	2.029	1.735	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2 668	2.276	1.791	0.612		0.61	2.108	2.435	3.538	2.922	2.122	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2 368	2.01	0.864				2.001	1.192	0.651	2.697	0.858	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.234	1 275	0.869			0.588	1.771	2.046	2.129	2 52	1.589	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.79	2 026	0.885	0.612		0.568	2.298	2.215	3.474	3.246	2.137	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2 374	1.776				0.48	2.473	1.623	1.489	2.477	1.569	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan	1.786	1.427	0.86	0.608			1.196	2.048	1 951	1.75	1.67	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan abnormal	2 061	1 387	0.858			0.471	1.371	1.973	2 014	1.946	1.74	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1 911	1.125	0.864				1.271	2.056	1 988	2.024	1.245	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.401	2 246	0.913			0.6	0.98	2.221	4 517	1.906	2.055	
COVID19 (COV D19 (JANSSEN))	Venogram	2.54	2 068					1.802	1.608	0.542	2.733	1.03	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3 395	2 593				0.619	2.793	1.819	0.705	4.389	1.038	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4 307	2.476	0.864				3.589	2.747	0.759	5.354	1.04	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.26	0.775		3.748	0.724		1.183	0.517		1.275	0.837	
COVID19 (COV D19 (MODERNA))	No adverse event	1 266	0.834	0.87		0.298	2.002	0.919	0.936	0.783	1.128	1.231	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2 342	0 911	0.867		0.82		0.169	0.232	0.626	2.356	2.391	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1 955	0 979	0.867			0.569	0.891	1.25	2 288	1 92	1.071	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.09	1 031	0.862			0.642	1.442	1.659	2 008	2.059	1.569	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.35	1.751	0.928			0.966	1.786	1.885	2.169	2.138	2.056	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.59	0.795	0.864	4.067			0.379			0.387	1.004	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.196	1.726	0.867			0.96	1.719	1.901	2.406	2.149	1.979	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.299	0 317	0.857		2.175	0.3	0.208	0.118	0.361	0.275	0.322	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1 886	0 651				1.398	1.898	1.931	2.39	1.859	1.806	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2 082	1 302	0.874			0.784	1.527	1.693	2.31	2.073	1.766	

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all EUA SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 9/17/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210917	US Serious EB05 20210917	US Fatal EB05 20210917	US Infant EB05 20210917	US Child EB05 20210917	US Teen EB05 20210917	US Adult1 EB05 20210917	US Adult2 EB05 20210917	US Adult3 EB05 20210917	US Female EB05 20210917	US Male EB05 20210917	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	1 953	1.739	0.876			0.411	1.408	1.729	1.576	2.392	1.149	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	1 952	1.659	0.857				1.486	1.912	1.598	2.159	1.409	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2 958	0.92	0.865				0.881	0.758	0.608	2.398	1.53	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3 063	2.337	0.876			0.51	2.014	1.992	3.741	4.299	1.432	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2 052	1.663	0.861				1.682	1.642	1.031	1.92	1.431	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2 512	2.021	0.872			0.462	1.706	2.491	2.071	2 83	1.942	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1 644	1.466	0.865			0.404	1.12	2.125	0.797	1.915	1.127	
COVID19 (COV D19 (JANSSEN))	Antibody test	2 223	0.854	0.86			0.59	0.795	1.796	1.885	1.942	1.911	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2 186	1.713	1.722	0.613		0.46	1.814	1.964	2.368	2.869	1.504	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.136	2.109	0.861				0.883	2.101	1.239	1.619	1.603	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1 545	1.278	0.867	0.61		0.286	0.995	2.264	1.074	1.715	1.095	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3 339	2.62	0.871			0.526	1.376	2.016	0.757	4.523	0 921	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2 505	2.218	0.86				1.568	2.401	1.139	2.072	2.018	
COVID19 (COV D19 (JANSSEN))	Cerebral haematoma	1 908	1.292	0.868				1.34	0.973		2.587	0.628	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.268	1.941	0.91			0.54	1.806	2.002	1.409	3.248	1.126	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.223	1.852	0.881			0.551	1.048	1.203	0.95	2.673	0.854	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.029	1.572	0.862				1.035	1.039	1.545	2.299	0 991	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.285	2.485	0.878			0.536	2.443	2.834	0.751	3.923	1.209	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.684	2.069	0.931	0.613		0.565	2.286	2.452	2.073	3.564	1.674	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.166	1.76	0.898			0.496	1.544	2.097	2.134	2.463	1.633	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.56	1.857	0.894			0.482	2.213	2.196	3.18	3.182	1.972	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1 576	1.324	0.866				1.051	2.294	1.177	1.785	1.06	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1 803	0.786	0.861			1.166	2.009	1.525	1.023	1 91	1.42	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2 353	1.364	0.872			0.394	2.281	2.113	1.851	2.654	1.562	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.121	1.529	0.892	0.611		0.356	1.644	2.323	2.057	2.529	1.419	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.91	0.998	0.861			0.447	1.636	1.887	0.802	2.107	1.171	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2 262	0.931	0.862				2.418	1.638	0.888	2 69	1 239	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2 254	1.92	0.858				1 247	2.841	1.515	2.05	2 028	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.432	3.537	0.874				3 378	4.391	6.735	6.749	2 211	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6 285	3.102	0.862			0.561	4 365	3.559	0.668	6 95	1.069	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	1 994	1.967	0.882			0.022	1 871	2.341	1.503	2.117	1.578	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1 958	1.311	0.869				1.405	1.894	0.952	2.092	1.182	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2 393	2.217	0.862				1.659	1.185	0.752	3.766	0.714	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1 824	1.455	0.859				1.134	2.145	1.028	1.649	1.616	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	1 927	1.809					0.953	2.157	1.009	1.368	1.713	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.17	1.829	0.867			0.532	1.896	1.908	2.097	2.501	1.597	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.496	1.094	0.856			0.28	1.067	2.065	0.598	1.792	0.861	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1 366	1.201	0.875	0.61		0.049	0.908	1.797	1.621	2.063	0.873	
COVID19 (COV D19 (JANSSEN))	Off label use	1.702	0.277	0.86			5 317	0.288	0.619	0.32	1.114	1.517	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.777	0.757					2 831	1.013		2.267		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.44	0.879				0.545	1.568	2.111	1.136	2 39	1 334	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3 984	1.969	0.861				0.656	1.075	3.182	2.396	1 012	
COVID19 (COV D19 (JANSSEN))	Platelet count	2 692	2.397	0.913	0.613		0.503	1.985	3.287	1.633	3.234	1.661	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1 812	1.473	0.881	0.609		0.323	1 578	2.021	1.353	2.162	1 347	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.757	2.159	0.874			0.418	2.119	3.066	2.333	3.495	1.633	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	5 939	3.504	0.862				4 263	2.601	0.688	5.926	1.713	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	0 958					0.785	3.86	2.918	6.069	4.438	3.519	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.723	1.416	0.868	0.744		0.283	1 351	2.148	1.235	2.154	1.207	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.184	1.689	0.929	0.613		0.619	1 647	2.093	2.496	2.504	1.76	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.029	1.66	0.868				1.585	1.363	2.1	1.885	1 608	
COVID19 (COV D19 (JANSSEN))	Superior sagittal sinus thrombosis	1.493	1.197				0.561	0.968	0.863	0.65	2.134	0.616	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	2 889	2.298	0.918			0.551	1 839	2.217	0.653	2.379	2 873	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	6 677					0.656	3.446	6.544	14.741	7.836	5 502	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2 041	1.864	0.874			0.416	1.711	2.109	1.367	2.47	1.403	
COVID19 (COV D19 (JANSSEN))	Thrombophlebitis superficial	2 366	1.202	0.865			0.551	1.417	1.846	1.433	2.024	1.728	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.66	2.254	1.738	0.613		0.609	2 075	2.409	3.545	2.909	2.115	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2 268	1.958	0.862				1 907	1.19	0.65	2.43	0.857	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2 255	1.278	0.867			0.67	1.776	2.067	2.133	2.536	1 625	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.791	2.015	0.883	0.613		0.563	2 281	2.247	3.435	3.275	2.13	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.38	1.781	0.859			0.475	2.443	1.677	1.52	2.414	1 653	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan	1.767	1.37	0.857	0.609			1.194	2.003	1.979	1.739	1 635	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan abnormal	2 027	1.338	0.855			0.469	1 383	1.925	1.946	1.905	1.732	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1 917	1.113	0.861				1.29	2.067	1.924	2.024	1 261	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1 455	2.285	1.008			0.599	1 054	2.265	4.699	1.941	2.121	
COVID19 (COV D19 (JANSSEN))	Venogram	2 645	2.145					1 917	1.836	0.636	2.928	1 028	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3 382	2.577				0.618	2.795	1.811	0.705	4 38	1 036	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4 389	2.532	0.862				3 584	2.708	0.876	5.477	1 038	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1 259	0.775	0.862	4.564	0.733		1.17	0.517		1.265	0.878	
COVID19 (COV D19 (MODERNA))	No adverse event	1 263	0.834	0.868		0.309	2 016	0.92	0.938	0.785	1.13	1 233	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2 355	0.908	0.865		0.905	2.475	0.163	0.232	0.627	2.372	2.405	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1 957	0.978	0.865			0.568	0.889	1.25	2.287	1.922	1.497	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2 082	1.039	0.86			0.641	1.449	1.637	2.014	2.047	1 571	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2 343	1.746	0.929			0.966	1.767	1.865	2.13	2 13	2 045	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.598	0.794	0.862	4.766		0.4				0.402	0.976	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.189	1.714	0.886			0.981	1.715	1.907	2.401	2.147	1 968	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.302	0.368	0.856		2.611	0.303	0.224	0.118	0.36	0.278	0.324	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1 885	0.653				1.401	1.899	1.937	2.391	1.86	1 801	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2 063	1.299	0.872			0.783	1.511	1.694	2.292	2.051	1.763	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, September 28, 2021 5:57:17 AM
Attachments:	USST_20210924.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 9/24/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20210924	US Serious EB05 20210924	US Fatal EB05 20210924	US Infant EB05 20210924	US Child EB05 20210924	US Teen EB05 20210924	US Adult1 EB05 20210924	US Adult2 EB05 20210924	US Adult3 EB05 20210924	US Female EB05 20210924	US Male EB05 20210924	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.957	1.734	0.88			0.414	1.388	1.775	1.557	2.366	1.171	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	1.987	1.677	0.863				1.479	2.029	1.582	2.177	1.451	
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	1.717	1.212	0.915			0.489	1.175	1.519	1.499	2.017	1.223	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.036	0.911	0.87				0.848	0.758	0.762	2.489	1.511	
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.726	1.188	0.881				1.373	1.245	1.222	2	0.974	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.96	2.287	0.88			0.511	2.02	1.92	3.635	4.226	1.399	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.071	1.662	0.866				1.739	1.657	1.02	1.971	1.419	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.502	1.999	0.879			0.463	1.688	2.471	2.128	2.899	1.904	
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.711	1.482	0.87			0.395	1.147	2.277	0.783	1.955	1.199	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.217	0.843	0.866		0.612	0.591	0.834	1.732	1.801	1.976	1.847	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.196	1.691	1.547	0.612		0.46	1.834	1.981	2.345	2.873	1.523	
COVID19 (COVID19 (JANSSEN))	Areflexia	2.164	2.128	0.867				0.883	2.098	1.337	1.679	1.593	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.617	1.297	0.872	0.61		0.354	1.038	2.427	1.049	1.792	1.148	
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.487	1.358	0.876	0.61		0.263	1.157	2.08	1.004	1.725	1.06	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.204	2.585	0.876			0.527	1.323	2.013	0.756	4.558	0.905	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.597	2.255	0.866				1.568	2.538	1.214	2.235	2.07	
COVID19 (COVID19 (JANSSEN))	Cerebral haematoma	1.912	1.29	0.873				1.342	0.972		2.623	0.628	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.231	1.892	0.909			0.54	1.783	1.957	1.39	3.188	1.107	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.395	1.944	0.884			0.551	1.047	1.203	1.043	3.338	0.853	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.003	1.486	0.867				1.023	1.032	1.51	2.254	0.984	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.178	2.413	0.882			0.536	2.374	2.641	0.747	3.807	1.195	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.698	2.057	0.937	0.611		0.567	2.26	2.423	2.196	3.476	1.744	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.145	1.722	0.9			0.498	1.512	2.095	2.105	2.46	1.609	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.53	1.835	0.895			0.484	2.179	2.165	3.135	3.133	1.95	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.596	1.305	0.871				1.1	2.291	1.158	1.795	1.08	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.795	0.788	0.867			1.169	2.004	1.518	1.005	1.906	1.411	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.325	1.357	0.876			0.397	2.239	2.092	1.849	2.59	1.575	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.121	1.51	0.894	0.612		0.357	1.619	2.345	2.064	2.512	1.444	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.888	0.991	0.867			0.447	1.636	1.85	0.788	2.107	1.14	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.28	0.92	0.868			0.439	2.427	1.626	0.886	2.68	1.269	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	1.275	1.932	0.864				1.275	2.88	1.557	2.073	2.053	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.407	3.516	0.879				3.391	4.39	6.46	6.695	2.214	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.294	3.121	0.868			0.561	4.379	3.533	0.668	6.972	1.069	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.047	1.995	0.868			0.021	1.905	2.432	1.538	2.155	1.637	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.97	1.333	0.874				1.388	1.937	0.95	2.07	1.217	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.224	2.116	0.868				1.547	1.17	0.751	3.033	0.714	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.817	1.448	0.865				1.117	2.131	1.08	1.649	1.608	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	1.945	1.781					0.936	2.249	1.006	1.399	1.722	
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.432	1.162	0.869			0.191	0.918	2.002	1.361	1.744	1.038	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.169	1.808	0.872			0.524	1.886	1.892	2.171	2.51	1.593	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.54	1.099	0.862			0.372	1.113	2.1	0.587	1.834	0.883	
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.368	1.196	0.88	0.61		0.143	0.889	1.836	1.573	2.038	0.883	
COVID19 (COVID19 (JANSSEN))	Off label use	1.681	0.25	0.866			5.494	0.375	0.599	0.343	1.082	1.535	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.785	0.757					2.883	1.014		2.283		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.554	0.877				0.54	1.838	2.15	1.118	2.498	1.443	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.884	1.924	0.867			0.656	1.075	2.316	2.234	2.234	1.011	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.721	2.453	0.914	0.612		0.504	2.023	3.18	1.686	3.24	1.687	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.809	1.449	0.883	0.61		0.323	1.558	2.035	1.343	2.133	1.361	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.774	2.167	0.878			0.42	2.134	3.072	2.394	3.495	1.678	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.958	3.523	0.868				4.273	2.585	0.888	5.961	1.716	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1					0.789	3.855	3.069	6.042	4.481	3.603	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.743	1.428	0.873	0.745		0.284	1.361	2.179	1.229	2.157	1.235	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.174	1.675	0.936	0.612		0.617	1.619	2.087	2.512	2.482	1.764	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.004	1.603	0.873				1.573					
COVID19 (COVID19 (JANSSEN))	Superior sagittal sinus thrombosis	1.465	1.165				0.561	0.967	0.847	0.65	2.149	0.608	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	2.917	2.425	0.93			0.545	1.864	2.305	0.653	2.431	2.882	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.843					0.656	3.473	6.559	15.105	8.004	5.657	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.104	1.889	0.878			0.418	1.726	2.184	1.384	2.535	1.466	
COVID19 (COVID19 (JANSSEN))	Thrombophlebitis superficial	2.281	1.135	0.87			0.552	1.407	1.778	1.365	1.972	1.672	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.641	2.227	1.749	0.612		0.599	2.034	2.388	3.502	2.84	2.144	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.186	1.886	0.867				1.837	1.177	0.65	2.244	0.856	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.266	1.29	0.871			0.672	1.814	2.063	2.14	2.544	1.636	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.794	2.015	0.886	0.612		0.564	2.286	2.256	3.477	3.31	2.121	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.431	1.756	0.868			0.477	2.559	1.745	1.497	2.401	1.76	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan abnormal	2.007	1.385	0.861			0.471	1.368	1.921	1.9	1.898	1.705	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.928	1.157	0.87				1.319	2.1	1.783	2.041	1.262	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.471	2.416	1.72			0.586	0.995	2.262	4.7	1.956	2.124	
COVID19 (COVID19 (JANSSEN))	Venogram	2.693	2.108					1.924	1.909	3.01	3.01	1.027	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.246	2.504				0.619	2.703	1.729	0.704	4.17	1.035	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.45	2.611	0.868				3.643	3.08	0.875	5.472	1.108	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.265	0.767		4.152	0.764		1.178	0.517		1.278	0.882	
COVID19 (COVID19 (MODERNA))	No adverse event	1.249	0.848	0.875		0.298		2.007	0.914	0.779	1.126	1.22	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.375	0.908	0.87		0.979	2.505	0.151	0.216	0.617	2.395	2.425	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	1.885	1.922	0.866			2.002	1.915	1.845	1.484	1.784	1.983	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.94	0.985	0.871			0.603	0.884	1.261	2.264	1.912	1.484	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.072	1.036	0.866			0.64	1.459	1.664	2.001	2.04	1.567	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.316	0.817	0.87			1.006	1.771	1.856	2.117	2.101	2.025	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.634	0.817	0.87	6.504			0.398			0.399	1.08	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.177	1.707	0.89			0.996	1.721	1.912	2.393	2.142	1.957	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.306	0.368	0.862		3.373	0.306	0.249	0.108	0.35	0.282	0.329	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.863	0.659				1.39	1.893	1.924	2.368	1.845	1.786	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.065	1.287	0.877			0.823	1.518	1.692	2.299	2.052	1.772	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, October 5, 2021 6:02:15 AM
Attachments:	USST_20211001.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 10/1/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211001	US Serious EB05 20211001	US Fatal EB05 20211001	US Infant EB05 20211001	US Child EB05 20211001	US Teen EB05 20211001	US Adult1 EB05 20211001	US Adult2 EB05 20211001	US Adult3 EB05 20211001	US Female EB05 20211001	US Male EB05 20211001	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.934	1.684	0.889			0.407	1.37	1.736	1.597	2.374	1.144	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.04	1.717	0.878				1.515	2.043	1.71	2.297	1.459	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	1.81	1.261	0.923			0.489	1.221	1.553	1.642	2.057	1.344	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	3.059	0.903	0.882				0.894	0.746	0.752	2.49	1.584	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.744	1.195	0.89				1.373	1.318	1.199	2.027	0.992	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3.014	2.278	0.889			0.511	1.937	1.948	3.949	4.31	1.414	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.084	1.651	0.879				1.797	1.614	1.082	2.039	1.392	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.511	1.987	0.888			0.456	1.691	2.497	2.152	2.881	1.932	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.69	1.439	0.882			0.386	1.137	2.251	0.776	1.94	1.189	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.171	0.819	0.878			0.591	0.829	1.676	1.778	1.947	1.797	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.203	1.689	1.547	0.612		0.446	1.839	1.998	2.376	2.868	1.544	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.142	2.09	0.879				0.883	2.046	1.339	1.668	1.58	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.623	1.298	0.882	0.609		0.346	1.022	2.422	1.118	1.821	1.132	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.505	1.368	0.885	0.609		0.309	1.141	2.053	1.114	1.767	1.056	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.66	1.303	0.879			0.416	1.262	2.001	1.381	1.851	1.311	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.059	2.535	0.886			0.523	1.296	1.999	0.756	4.326	0.906	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.642	1.39	0.885			0.26	1.094	1.894	1.191	2.086	0.977	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.581	2.226	0.878				1.542	2.54	1.208	2.221	2.058	
COVID19 (COV D19 (JANSSEN))	Cerebral haematoma	1.776	1.223	0.884				1.341	0.941		2.655	0.618	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.26	1.888	0.911			0.54	1.784	1.928	1.479	3.346	1.09	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.411	1.932	0.893			0.551	1.047	1.203	1.042	3.369	0.854	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.049	1.549	0.879				1.005	1.09	1.499	2.341	1.016	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.217	2.421	0.891			0.537	2.495	2.567	0.748	3.837	1.196	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.76	2.075	0.932	0.611		0.649	2.281	2.446	2.329	3.569	1.781	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.174	1.729	0.906			0.492	1.51	2.172	2.091	2.486	1.648	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.542	1.84	0.904			0.481	2.167	2.195	2.245	3.107	1.987	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.577	1.275	0.882				1.073	2.167	1.218	1.795	1.053	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.804	0.79	0.879			1.161	2.013	1.536	1.008	1.915	1.421	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.32	1.327	0.886			0.392	2.206	2.089	1.965	2.572	1.601	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.106	1.471	0.899	0.611		0.347	1.635	2.335	1.997	2.527	1.403	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.871	0.985	0.879			0.442	1.613	1.862	0.785	2.104	1.12	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.253	0.93	0.88			0.439	2.324	1.653	0.882	2.671	1.244	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.339	1.942	0.877				1.342	2.879	1.657	2.112	2.12	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.36	3.473	0.889				3.398	4.402	6	6.69	1.982	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.307	3.114	0.88			0.561	4.385	3.443	0.669	6.976	1.069	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.028	1.859	0.88			0.019	1.851	2.451	1.516	2.099	1.647	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.68	1.396	0.959			0.003	1.317	1.859	1.828	2.044	1.298	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.74	1.284	0.874	0.745		0.421	1.58	1.777	1.249	2.063	1.222	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1.94	1.276	0.885				1.373	1.923	0.934	2.062	1.192	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.161	2.058	0.88				1.5	1.17	0.746	2.727	0.714	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.83	1.446	0.877				1.194	2.09	1.081	1.674	1.61	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	1.963	1.784					0.926	2.23	1.091	1.445	1.711	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.192	1.808	0.882			0.522	1.877	1.897	2.299	2.549	1.6	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.553	1.108	0.875			0.364	1.098	2.143	0.629	1.854	0.892	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.4	1.221	0.888	0.609		0.22	0.877	1.872	1.677	2.125	0.881	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.376	1.133	0.878			0.112	1.128	1.541	1.028	2.065	0.663	
COVID19 (COV D19 (JANSSEN))	Off label use	1.608	0.237	0.878			5.549	0.383	0.573	0.376	1.022	1.434	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.789	0.757					2.892	1.014		2.295		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.515		0.875			0.54	1.839	2.139	1.095	2.539	1.395	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.723	1.906	0.879				0.856	1.075	2.447	2.25	0.996	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.729	2.468	0.928	0.612		0.504	1.97	3.141	1.683	3.232	1.714	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.802	1.432	0.892	0.609		0.31	1.558	2.041	1.339	2.133	1.352	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.772	2.16	0.89			0.416	2.112	3.054	2.553	3.484	1.692	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6	3.558	0.88				4.279	3.638	0.689	5.969	2.084	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.008					0.856	3.865	2.946	5.888	4.388	3.636	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.761	1.432	0.884	0.744		0.273	1.368	2.192	1.271	2.211	1.235	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.204	1.683	0.945	0.612		0.604	1.642	2.129	2.54	2.504	1.802	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.01	1.59	0.884				1.561	1.402	2.007	1.88	1.595	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	1.772	1.245	0.876	0.609		0.374	1.123	1.928	1.405	2.012	1.143	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.213	1.089	0.882			0.552	1.377	1.735	1.354	1.894	1.66	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.017	2.584	1.572			0.546	1.985	2.309	0.773	2.563	2.979	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	6.876	0.613				0.656	3.471	6.58	15.272	8.03	5.677	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.169	1.938	0.891			0.412	1.756	2.233	1.413	2.625	1.5	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.634	2.217	1.751	0.612		0.599	2.028	2.393	3.522	2.827	2.159	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.153	1.847	0.88				1.768	1.178	0.652	2.171	0.857	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.264	1.275	0.883			0.667	1.796	2.065	2.13	2.542	1.635	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.827	2.056	0.894	0.612		0.551	2.353	2.299	3.31	3.31	2.185	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.44	1.765	0.884			0.473	2.7	1.735	1.466	2.411	1.78	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.927	1.137	0.882				1.345	2.081	1.731	2.033	1.274	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.527	2.641	2.128			0.577	1.052	2.281	4.826	2.006	2.183	
COVID19 (COV D19 (JANSSEN))	Venogram	2.61	2.059					2.059	1.77	0.631	2.878	1.016	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.21	2.469				0.619	2.71	1.692	0.705	4.101	1.036	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.295	2.502	0.88				3.57	2.517	0.875	5.292	1.093	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.268	0.766	0.879	3.624	0.778		1.179	0.517		1.281	0.886	
COVID19 (COV D19 (MODERNA))	Headache	0.964	0.955	0.879	2.343	0.303		0.941	0.985	1.011	0.952	1.022	
COVID19 (COV D19 (MODERNA))	No adverse event	1.246	0.84	0.884		0.292	2.014	0.915	0.926	0.781	1.124	1.218	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.393	0.909	0.882		1.203	2.528	0.173	0.206	0.598	2.409	2.438	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	1.915	1.939	0.879		1.203	2.084	1.941	1.87	1.507	1.808	2.02	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.935	0.994	0.882			0.603	0.88	1.266	2.238	1.915	1.473	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.053	1.052	0.878			0.64	1.47	1.663	1.967	2.022	1.566	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.293	1.704	0.935			1.006	1.751	1.82	2.038	2.075	1.986	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.66	0.846	0.882	7.751			0.384			0.407	1.131	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.155	1.7	0.897			1.005	1.723	1.907	2.354	2.13	1.93	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.306	0.367	0.875		3.331	0.305	0.259	0.102	0.329	0.282	0.329	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.852	0.658				1.381	1.88	1.915	2.336	1.847	1.775	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.045	1.287	0.887			0.823	1.51	1.704	2.241	2.034	1.756	

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 10/8/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211008	US Serious EB05 20211008	US Fatal EB05 20211008	US Infant EB05 20211008	US Child EB05 20211008	US Teen EB05 20211008	US Adult1 EB05 20211008	US Adult2 EB05 20211008	US Adult3 EB05 20211008	US Female EB05 20211008	US Male EB05 20211008	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.013	1.751	0.891			0.406	1.568	1.727	1.585	2.619	1.137	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.017	1.661	0.88				1.516	2.046	1.649	2.346	1.42	
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	1.802	1.241	0.92			0.488	1.272	1.61	1.571	2.06	1.345	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.072	0.894	0.885				0.871	0.741	0.749	2.455	1.587	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.017	2.254	0.891			0.51	1.937	2.013	3.715	4.336	1.396	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.065	1.601	0.882			0.455	1.729	1.616	1.127	2.042	1.384	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.558	2	0.892			0.455	1.691	2.565	2.223	2.94	1.986	
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.703	1.428	0.887			0.381	1.115	2.293	0.796	1.938	1.217	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.207	0.811	0.882			0.59	0.825	1.653	1.894	1.965	1.831	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.22	1.684	1	0.612		0.446	1.86	2.009	2.406	2.871	1.576	
COVID19 (COVID19 (JANSSEN))	Areflexia	2.089	2.009	0.883				0.884	1.929	1.317	1.659	1.538	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.689	1.347	0.886	0.61		0.344	1.122	2.382	1.181	1.884	1.201	
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.531	1.354	0.886	0.61		0.308	1.178	2.097	1.076	1.776	1.101	
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.714	1.333	0.883			0.415	1.319	2.069	1.409	1.842	1.339	
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.73	1.29	0.887			0.472	1.279	2.03	1.347	2.046	1.171	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.6	2.726	0.891			0.522	1.677	2.202	0.756	4.662	0.976	
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.694	1.448	0.888			0.257	1.13	1.977	1.217	2.207	0.997	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.602	2.198	0.882				1.586	2.538	1.189	2.175	2.123	
COVID19 (COVID19 (JANSSEN))	Cerebral haematoma	1.784	1.22	0.887				1.339		0.941	2.699	0.618	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.274	1.881	0.914			0.539	1.863	1.924	1.469	3.322	1.121	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.504	1.966	0.901			0.549	1.046	1.299	1.024	3.429	0.916	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.052	1.528	0.883				1.006	1.094		2.351	1.014	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.386	2.5	0.896			0.535	2.66	2.521	0.743	3.992	1.244	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.739	2.04	0.938	0.611		0.649	2.291	2.454	2.255	3.572	1.761	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.91	1.403	0.888			0.416	1.605	2.002	1.453	2.063	1.453	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.113	1.656	0.905			0.489	1.485	2.122	1.99	2.432	1.602	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.567	1.862	0.917			0.479	2.183	2.209	3.249	3.135	2.013	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.606	1.285	0.885				1.152	2.208	1.204	1.776	1.129	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.793	0.797	0.882			1.163	2.004	1.521	1.018	1.907	1.411	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.307	1.329	0.89			0.391	2.188	2.118	1.914	2.563	1.598	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.096	1.452	0.905	0.611		0.344	1.619	2.374	1.934	2.532	1.395	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.916	0.993	0.882			0.439	1.676	1.883	0.785	2.174	1.146	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.26	0.934	0.885			0.432	2.334	1.665	0.949	2.554	1.331	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.334	1.902	0.881				1.339	2.847	1.691	2.126	2.101	
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.671	1.269	0.89	0.607		0.446	1.236	1.943	1.531	2.018	1.219	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.33	3.47	0.891				3.71	4.374	5.465	6.881	1.84	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.627	3.345	0.883			0.56	4.748	5.142	0.669	7.331	1.069	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.046	1.957	0.883			0.019	1.816	2.492	1.548	2.123	1.664	
COVID19 (COVID19 (JANSSEN))	Intensive care	1.702	1.395	0.939			0.004	1.337	1.894	1.826	2.073	1.314	
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.709	1.234	0.878	0.746		0.419	1.565	1.768	1.211	2.059	1.196	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.947	1.283	0.887				1.353	1.977	0.92	2.069	1.207	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.112	2.005	0.883				1.499	1.153	0.745	2.761	0.704	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.827	1.45	0.881				1.209	2.093	1.067	1.651	1.635	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	1.956	1.746	0.916				2.21	1.083		1.417	1.734	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.166	1.77	0.885			0.52	1.825	1.899	2.261	2.543	1.564	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	1.875	1.337	0.88	0.611		0.477	1.349	1.957	1.253	2.1	1.105	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.587	1.128	0.88			0.36	1.17	2.161	0.641	1.873	0.946	
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.473	1.268	0.895	0.61		0.22	0.957	1.943	1.731	2.236	0.932	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.428	1.17	0.884			0.109	1.19	1.581	1.066	2.104	0.711	
COVID19 (COVID19 (JANSSEN))	Off label use	1.565	0.288	0.883			5.691	0.37	0.549	0.441	0.985	1.399	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.799	0.758					2.899	1.017		2.315		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.501	0.86				0.539	1.735	2.253	1.084	2.469	1.427	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.756	1.895	0.883			0.656	1.077	2.545		2.278	0.996	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.681	2.449	0.929	0.612		0.498	1.919	3.134	1.45	3.109	1.74	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.82	1.439	0.899	0.61		0.307	1.543	2.042	1.45	2.141	1.384	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.787	2.138	0.892			0.413	2.125	3.092	2.451	3.53	1.694	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.023	3.54	0.883			0.86	4.296	3.913	3.171	6.007	2.09	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.041										3.67	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.785	1.438	0.889	0.745		0.274	1.438	2.159	1.289	2.264	1.249	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.21	1.676	0.952	0.612		0.601	1.662	2.132	2.521	2.529	1.797	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	1.996	1.559	0.889				1.521	1.367	2.149	1.918	1.548	
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.742	1.298	0.886	0.609		0.561	1.347	2.013	1.419	1.902	1.409	
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.795	1.263	0.879	0.61		0.371	1.233	1.943	1.396	2.103	1.115	
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.204	1.105	0.885			0.55	1.397	1.76	1.287	1.853	1.711	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.074	2.663	1.788			0.544	2.012	2.392	0.833	2.654	3.019	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.927	0.61				0.655	3.498	6.553	15574	8.083	5.763	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.2	1.962	0.899			0.408	1.822	2.197	1.511	2.614	1.56	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.638	2.205	1.825	0.612		0.6	2.028	2.377	3.557	2.832	2.152	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.287	1.934	0.883				1.768	1.268	0.652	2.4	0.857	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.295	1.292	0.888			0.656	1.842	2.084	2.197	2.582	1.653	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.762	2	0.895	0.612		0.551	2.287	2.275	3.335	3.242	2.137	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.448	1.752	0.89			0.473	2.686	1.769	1.472	2.411	1.799	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.744	1.3	0.88	0.609			1.195	1.934	2.044	1.698	1.648	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.976	1.159	0.885				1.364	2.178	1.787	2.101	1.294	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.406	2.696	2.173			0.577	1.061	2.343	4.743	1.982	2.16	
COVID19 (COVID19 (JANSSEN))	Venogram	2.765	2.105					2.207	1.751	0.723	3.157	1.015	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.266	2.473				0.619	2.71	1.752	0.705	4.233	1.023	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.291	2.479	0.883				3.58	2.438	0.863	5.28	1.092	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.274	0.767		5.651	0.797		1.187	0.515		1.293	0.935	
COVID19 (COVID19 (MODERNA))	Headache	0.967	0.958	0.88	4.09	0.304	2.026	0.944	0.986	1.014	0.953	1.026	
COVID19 (COVID19 (MODERNA))	No adverse event	1.227	0.842	0.888			0.294	0.9	0.906	0.766	1.102	1.211	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.394	0.928	0.885			2.56	0.172	0.107	0.591	2.409	2.437	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	1.947	1.953	0.882		1.316	2.119	1.963	1.894	1.529	1.832	2.045	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.93	1.002	0.886			0.604	0.879	1.268	2.218	1.909	1.476	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.056	1.051	0.882			0.641	1.509	1.671	1.961	2.023	1.587	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.292	1.708	0.954			0.999	1.755	1.816	2	2.069	1.987	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.695	0.847	0.885	9.271			0.384			0.406	1.108	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.158	1.701	0.9			1.012	1.725	1.918	2.335	2.127	1.936	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.307	0.346	0.878		4.258	0.307	0.233	0.059	0.319	0.284	0.329	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.84	0.753				1.381	1.881	1.896	2.312	1.833	1.773	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.035	1.295	0.89			0.846	1.513	1.704	2.219	2.02	1.762	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, October 19, 2021 6:14:00 AM
Attachments:	USST_20211015.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 10/15/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211015	US Serious EB05 20211015	US Fatal EB05 20211015	US Infant EB05 20211015	US Child EB05 20211015	US Teen EB05 20211015	US Adult1 EB05 20211015	US Adult2 EB05 20211015	US Adult3 EB05 20211015	US Female EB05 20211015	US Male EB05 20211015	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.106	1.812	0.88			0.405	1.606	1.858	1.679	2.839	1.178	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	1.992	1.613	0.866				1.452	2.119	1.594	2.373	1.38	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	1.837	1.253	0.923			0.486	1.227	1.694	1.605	2.146	1.362	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	3.102	0.887	0.871				0.86	0.729	0.742	2.444	1.595	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.758	1.202	0.889				1.324	1.344	1.279	2.015	1.034	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.997	2.232	0.879			0.507	1.875	2.074	3.606	4.256	1.378	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.088	1.585	0.868				1.737	1.682	1.104	2.142	1.353	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2 57	2.006	0.883			0.453	1.72	2.596	2.197	2.98	1.997	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.784	1.529	0.873			0.379	1.193	2.404	0.771	2.079	1.248	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.249	0.812	0.867			0.584	0.82	1.658	2.002	2.017	1.83	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.224	1.681	1.005	0.612		0.445	1.875	2.01	2.42	2.861	1.593	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.823	1.172	0.868				0.911	1.172	1.401	2.217	0.937	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.731	1.375	0.87	0.61		0.342	1.144	2.408	1.211	1.968	1.209	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.587	1.404	0.869	0.609		0.302	1.217	2.168	1.109	1.828	1.158	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.759	1.366	0.869			0.413	1.324	2.154	1.444	2.006	1.37	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.829	1.381	0.878			0.471	1.283	2.179	1.495	2.134	1.259	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.376	2.647	0.879			0.519	1.524	2.464	0.743	4.453	1.019	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.717	1.443	0.879			0.264	1.114	1.998	1.285	2.275	0.992	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.672	1.549	0.865			0.194	1.296	2.068	1.211	1.972	0.876	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.626	2.203	0.867				1.571	2.602	1.176	2.255	2.128	
COVID19 (COV D19 (JANSSEN))	Cerebral haematoma	1.671	1.176	0.874				1.266	0.942		2.165	0.613	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.248	1.849	0.908			0.531	1.794	1.927	1.45	3.271	1.107	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.564	2.01	0.892			0.546	1.147	1.3	1.009	3.342	0.978	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.021	1.444	0.868				1.005	1.096	1.366	2.273	1.015	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.415	2.509	0.886			0.532	2.626	2.504	0.823	4.049	1.231	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.719	2.002	0.944		0.611	0.649	2.242	2.479	2.213	3.526	1.764	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	1.932	1.429	0.878			0.415	1.639	1.989	1.513	2.093	1.472	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.084	1.627	0.896			0.485	1.465	2.14	1.905	2.387	1.592	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.553	1.841	0.905			0.477	2.193	2.192	3.194	3.138	1.99	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.649	1.321	0.868				1.161	2.264	1.241	1.846	1.153	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.281	1.309	0.877			0.385	2.159	2.082	1.949	2.539	1.585	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.122	1.479	0.9	0.611		0.342	1.653	2.393	1.959	2.589	1.42	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.915	1.003	0.868			0.436	1.666	1.908	0.777	2.179	1.14	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.301	0.978	0.874			0.43	2.346	1.757	0.933	2.618	1.355	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.277	1.872	0.865				1.322	2.837	1.659	2.127	2.051	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.718	1.304	0.88	0.606		0.442	1.266	2.033	1.549	2.085	1.25	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.42	3.584	0.879				3.943	4.472	5.482	6.947	2.105	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.722	3.447	0.869			0.557	5.027	5.136	0.668	7.434	1.066	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.047	1.954	0.869			0.018	1.847	2.492	1.52	2.171	1.647	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.728	1.402	0.949			0.027	1.356	1.929	1.809	2.13	1.318	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.748	1.255	0.861	0.746		0.413	1.588	1.867	1.223	2.104	1.356	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1.931	1.283	0.874				1.387	1.963	0.913	2.059	1.22	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.128	2.026	0.869				1.584	1.142	0.745	2.484	0.774	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.823	1.419	0.866				1.205	2.072	1.053	1.662	1.618	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	1.971	1.764					0.906	2.265	1.083	1.469	1.712	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.155	1.745	0.871			0.516	1.8	1.906	2.255	2.521	1.558	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	1.9	1.35	0.861	0.611		0.47	1.333	2.108	1.214	2.107	1.15	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.692	1.212	0.863			0.359	1.218	2.28	0.796	2.008	1.012	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.515	1.296	0.882	0.61		0.223	0.95	2.048	1.731	2.287	0.972	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.501	1.236	0.871			0.121	1.249	1.674	1.093	2.174	0.768	
COVID19 (COV D19 (JANSSEN))	Off label use	1.577	0.267	0.867			5 817	0.37	0.545	0.438	0.982	1.4	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.809	0.757					2.927	1.019		2.346		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.502	0.856				0.536	1.738	2.213	1.084	2.455	1.43	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.768	1.895	0.869			0.656	1.078	2.616		2.32	0.995	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.697	2.454	0.924	0.611		0.496	1.91	3.065	1.738	3.129	1.753	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.841	1.436	0.891	0.61		0.303	1.572	2.06	1.44	2.164	1.406	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.766	2.13	0.882			0.413	2.106	3.052	2.406	3.473	1.704	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.039	3.56	0.869				4.305		0.688	6.038	2.07	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.101					0.864		2.96	5.913	4.577	3.68	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.829	1.48	0.877	0.744		0.274	1.473	2.261	1.272	2.328	1.291	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.204	1.672	0.968	0.612		0.596	1.666	2.115	2.561	2.533	1.787	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.005	1.55	0.877				1.549	1.391	2.105	1.919	1.56	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.789	1.333	0.871	0.608		0.551	1.415	2.094	1.412	1.983	1.425	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	1.877	1.325	0.869	0.609		0.368	1.301	2.068	1.432	2.208	1.169	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.222	1.145	0.872			0.547	1.398	1.794	1.277	1.844	1.755	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.143	2.642	1.836			0.541	2.018	2.364	0.89	2.666	3.068	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.066	0.603				0.653	3.897	6.602	15.3	8.207	5.807	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.075						0.634	0.582	0.57	1.019		
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.037	1.602	0.877			0.531	1.337	1.515	1.416	2.108	1.28	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.217	1.957	0.889			0.407	1.797	2.218	1.539	2.602	1.595	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.656	2.186	1.862	0.612		0.591	2 02	2.385	3.517	2.839	2.156	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2 26	1.923					1.237	1.237	0.647	2.291	0.913	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.277	1.298	0.878			0.656	1.812	2.065	2.223	2.571	1.633	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.746	2.002	0.884	0.612		0.55	2.273	2.278	3.265	3.222	2.129	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.484	1.781	0.877			0.47	2.692	1.885	1.485	2.47	1.841	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan	1.744	1.283	0.865	0.61			1.18	1.961	2.005	1.702	1.638	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.98	1.171	0.871				1.373	2.174	1.771	2.104	1.298	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.125	2.705	2.251			0.575	1.063	2.312	4.585	1.773	1.957	
COVID19 (COV D19 (JANSSEN))	Venogram	2.791	2.076					2.114	1.831	0.722	3.193	1.015	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.365	2.534				0.617	2.907	1.862	0.704	4.132	1.195	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4 31	2.527	0.869				3.636	2.489	0.863	5.358	1.077	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.303	0.769	0.867	6.795	0.832		1.193		0.513	1.295	0.945	
COVID19 (COV D19 (MODERNA))	Headache	0.968	0.961	0.867	5 591		0.308	0.945	0.985	1.014	0.954	1.027	
COVID19 (COV D19 (MODERNA))	No adverse event	1.212	0.842	0.875		0.271	2 015	0.915	0.897	0.752	1.094	1.202	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.387	0.928	0.872		1.346	2 583	0.144	0.065	0.578	2.396	2.43	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	1.985	1.97	0.868			2 087	1.964	1.912	1.549	1.856	2.071	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.933	1.002	0.872			0.604	0.878	1.282	2.213	1.912	1.484	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.059	1.051	0.867			0.641	1.514	1.672	1.949	2.018	1.59	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.298	1.72	0.955			1 006	1.74	1.817	1.988	2.064	1.993	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.695	0.845	0.871	10 376			0.383			0.402	1.115	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.156	1.696	0.891			1.02	1.728	1.927	2.316	2.123	1.938	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0 31	0.347	0.863		4.284	0.311	0.22	0.052	0.286	0.287	0.332	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.835	0.752				1 376	1.883	1.886	2.327	1.839	1.78	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.036	1.296	0.878			0.85	1.516	1.71	2.211	2.019	1.764	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, October 26, 2021 7:13:34 AM
Attachments:	USST_20211022.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 10/22/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211022	US Serious EB05 20211022	US Fatal EB05 20211022	US Infant EB05 20211022	US Child EB05 20211022	US Teen EB05 20211022	US Adult1 EB05 20211022	US Adult2 EB05 20211022	US Adult3 EB05 20211022	US Female EB05 20211022	US Male EB05 20211022	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.112	1.79	0.885			0.402	1.642	1.856	1.661	2.779	1.214	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.086	1.699	0.873				1.576	2.15	1.71	2.634	1.388	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	1.86	1.257	0.93			0.478	1.209	1.763	1.62	2.135	1.418	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	3.157	0.902	0.874				0.861	0.753	0.737	2.475	1.621	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.043	1.015	0.877				1.019	0.693	0.723	1.611	1.455	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.821	1.247	0.895				1.373	1.362	1.369	2.051	1.098	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.957	2.191	0.885			0.503	1.859	2.102	3.387	4.215	1.383	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.113	1.605	0.872				1.726	1.75	1.09	2.215	1.341	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.546	1.969	0.886			0.446	1.686	2.549	2.272	2.816	2.035	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.914	1.695	0.885			0.373	1.298	2.453	0.996	2.266	1.319	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.337	0.863	0.871			0.581	0.898	1.732	1.939	2.096	1.921	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.226	1.672	0.956	0.612		0.443	1.863	2.004	2.47	2.876	1.589	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.011	1.886	0.873				0.862	1.867	1.331	1.681	1.492	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.81	1.155	0.872				0.899	1.175	1.389	2.136	0.939	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.811	1.507	0.875	0.609		0.338	1.186	2.424	1.418	2.149	1.201	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.655	1.478	0.873	0.608		0.3	1.26	2.211	1.247	1.978	1.153	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.833	1.421	0.88			0.413	1.352	2.211	1.582	2.102	1.424	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.936	1.491	0.891			0.467	1.33	2.292	1.653	2.316	1.292	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.237	2.584	0.882			0.515	1.67	2.113	0.737	4.429	1.003	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.762	1.479	0.882			0.263	1.134	2.018	1.36	2.4	0.997	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.691	1.564	0.871			0.203	1.339	2.039	1.198	2.01	0.863	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.647	2.206	0.872				1.617	2.612	1.173	2.345	2.13	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.233	1.828	0.907			0.527	1.723	1.914	1.452	3.284	1.095	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.513	1.969	0.894			0.542	1.148	1.302	0.997	3.279	0.974	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.027	1.436	0.872				0.973	1.194	1.354	2.291	1.035	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.398	2.491	0.889			0.528	2.574	2.522	0.823	4.072	1.217	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.717	1.984	0.934	0.611		0.647	2.259	2.48	2.206	3.529	1.772	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	1.969	1.451	0.885			0.413	1.648	2.019	1.589	2.15	1.486	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.076	1.599	0.894			0.477	1.452	2.15	1.893	2.371	1.594	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.576	1.863	0.922			0.473	2.156	2.246	3.24	3.176	2.009	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.765	1.462	0.87				1.298	2.286	1.373	2.051	1.169	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.278	1.336	0.881			0.382	2.194	2.069	1.89	2.55	1.583	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.127	1.487	0.908	0.611		0.338	1.632	2.382	2.076	2.552	1.449	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.964	1.007	0.872			0.433	1.712	1.968	0.769	2.206	1.207	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.321	1.009	0.88			0.423	2.341	1.79	0.989	2.591	1.413	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.295	1.907	0.874				1.333	2.877	1.765	2.15	2.109	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.758	1.326	0.89	0.606		0.439	1.281	2.072	1.62	2.133	1.286	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.707	1.28	0.887	0.607		0.34	1.375	1.971	1.497	2.041	1.277	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.627	3.707	0.883				4.089	4.85	5.522	7.15	2.291	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.755	3.489	0.873			0.553	5.044	5.353	0.667	7.467	1.208	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.054	1.943	0.872			0.02	1.856	2.475	1.554	2.182	1.658	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.743	1.4	0.955			0.029	1.352	1.954	1.823	2.125	1.347	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.793	1.286	0.872	0.746		0.409	1.596	1.943	1.27	2.215	1.231	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1.901	1.238	0.878				1.359	1.944	0.907	2.036	1.202	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.124	2.016	0.873				1.589	1.137	0.744	2.681	0.64	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.861	1.494	0.87				1.199	2.153	1.053	1.688	1.663	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.047	1.825					0.902	2.361	1.175	1.515	1.788	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.535	1.201	0.877			0.184	1.012	2.016	1.514	1.91	1.09	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.171	1.745	0.879			0.515	1.778	1.927	2.315	2.515	1.595	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	1.966	1.403	0.873	0.611		0.468	1.344	2.226	1.251	2.171	1.207	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.717	1.227	0.872			0.357	1.23	2.275	0.863	2.053	1.017	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.018	1.515	0.935			0.5	0.955	2.023	1.626	1.915	1.632	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.531	1.302	0.881	0.61		0.225	0.987	2.033	1.734	2.337	0.972	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.581	1.32	0.879			0.13	1.225	1.806	1.243	2.351	0.791	
COVID19 (COV D19 (JANSSEN))	Off label use	1.499	0.23	0.872			5.899	0.347	0.502	0.41	0.925	1.339	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.764	0.758					2.979	1.008		2.203		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.541	0.855				0.532	1.827	2.172	1.171	2.541	1.459	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.441	1.769	0.873				0.656	1.057	2.551	2.379	0.972	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.719	2.497	0.923	0.611		0.488	1.883	3.104	1.796	3.124	1.791	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.842	1.419	0.894	0.609		0.299	1.549	2.033	1.469	2.147	1.413	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.754	2.1	0.887			0.41	2.104	3.036	2.353	3.445	1.71	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.067	3.544	0.874				4.321	3.986	3.034	6.069	4.56	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.151					0.863			0.686		3.718	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.879	1.519	0.893	0.744		0.269	1.495	2.33	1.333	2.38	1.338	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.209	1.672	1.006	0.612		0.591	1.654	2.139	2.557	2.535	1.796	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.027	1.549	0.881				1.514	1.451	2.077	1.902	1.607	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.847	1.377	0.877	0.607		0.546	1.435	2.121	1.543	2.056	1.468	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	1.971	1.403	0.88	0.609		0.363	1.308	2.186	1.546	2.347	1.211	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.247	1.182	0.876			0.543	1.4	1.776	1.406	1.893	1.744	
COVID19 (COV D19 (JANSSEN))	Superior sagittal sinus thrombosis	1.56	1.237	0.872			0.553	1.033	0.825	0.65	2.148	0.668	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.219	2.742	1.941			0.537	2.045	2.341	1.163	2.685	3.191	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	6.996	0.737				0.651	3.574	6.684	15.215	7.897	5.883	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.158						0.684	0.634	0.58	0.569	1.021	
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.097	1.676	0.885			0.527	1.413	1.582	1.405	2.083	1.405	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.295	2.009	0.9			0.401	1.782	2.316	1.642	2.743	1.621	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.665	2.178	1.814	0.612		0.582	2.002	2.39	3.528	2.861	2.147	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.274	1.957	0.873				1.949	1.239	0.646	2.322	0.913	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.332	1.365	0.884			0.65	1.851	2.14	2.219	2.654	1.66	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.74	1.985	0.887	0.612		0.547	2.306	2.283	3.137	3.193	2.141	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.551	1.814	0.886			0.463	2.656	1.973	1.642	2.617	1.844	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.948	1.156	0.875				1.361	2.118	1.747	2.059	1.289	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.182	2.797		2.377		0.563	1.15	2.337	4.791	1.834	2.013	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.003	0.881					0.868	1.595	0.972	1.773	1.012	
COVID19 (COV D19 (JANSSEN))	Venogram	2.674	2.031					2.176	1.749	0.721	3.085	0.993	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.354	2.532				0.608	2.931	1.87	0.703	4.161	1.189	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.164	2.444	0.873				3.685	2.181	0.851	5.132	1.122	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.334	0.831		7.31	0.871		1.197	0.513		1.314	0.953	
COVID19 (COV D19 (MODERNA))	Headache	0.969	0.963	0.876	5.803		0.305	0.945	0.985	1.014	0.955	1.025	
COVID19 (COV D19 (MODERNA))	No adverse event	1.197	0.844	0.879		0.273		2.025	0.917	0.903	0.762	1.091	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.373	0.944	0.878		1.223	2.6	2.6	0.12	0.534	2.378	2.422	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.02	1.986	0.872			2.16	1.988	1.933	1.57	1.88	2.102	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.931	1.011	0.876			0.602	0.875	1.32	2.197	1.909	1.489	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.058	1.049	0.872			0.639	1.515	1.68	1.943	2.014	1.601	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.298	1.711	0.965			1.013	1.735	1.799	1.952	2.058	1.991	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.706	0.818	0.875	11.694			0.396			0.407	1.177	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.151	1.702	0.896			1.035	1.734	1.935	2.31	2.122	1.934	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.314	0.328	0.866			4.084	0.317	0.188	0.052	0.29	0.291	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.797	0.752				1.35	1.865	1.85	2.301	1.809	1.752	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.036	1.324	0.882			0.853	1.521	1.726	2.202	2.019	1.777	

Appreciate it – managing ok – nothing needed now – thanks again

David

From: Nair, Narayan <Narayan.Nair@fda.hhs.gov>

Sent: Tuesday, October 26, 2021 7:50 AM

To: Menschik, David <David.Menschik@fda.hhs.gov>

Subject: RE: Weekly data mining

Thanks David,

Just checking in. Is everything OK? Is there anything you need?

Narayan

From: Menschik, David <David.Menschik@fda.hhs.gov>

Sent: Tuesday, October 26, 2021 7:14 AM

To: Su, John (CDC) <ezu2@cdc.gov>; Shimabukuro, Tom (CDC) <ayv6@cdc.gov>

Cc: Zinderman, Craig E <Craig.Zinderman@fda.hhs.gov>; Nair, Narayan
<Narayan.Nair@fda.hhs.gov>; Alimchandani, Meghna <Meghna.Alimchandani@fda.hhs.gov>;
Broder, Karen R (CDC) <krb2@cdc.gov>; Harrington, Theresa (CDC) <tsh3@cdc.gov>

Subject: RE: Weekly data mining

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data
mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US
Signals Summary Table' ('as of date' 10/22/21). Please feel free to share this hypothesis
generating output with your team/command chain, though this is not intended to be shared
more broadly.

Thanks,

David

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, November 2, 2021 12:09:29 PM
Attachments:	USST_20211029.xls

Hi John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 10/29/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211029	US Serious EB05 20211029	US Fatal EB05 20211029	US Infant EB05 20211029	US Child EB05 20211029	US Teen EB05 20211029	US Adult1 EB05 20211029	US Adult2 EB05 20211029	US Adult3 EB05 20211029	US Female EB05 20211029	US Male EB05 20211029	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.153	1.805	0.894			0.396	1.611	1.914	1.781	2.77	1.295	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2 203	1.784	0.884				1.639	2.225	1.925	2 897	1.453	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	1 951	1.312	0.94			0.467	1 25	1.793	1.763	2 201	1.536	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	3 059	0.89	0.883				0.841	0.73	0.731	2 382	1.564	
COVID19 (COV D19 (JANSSEN))	Adverse event	2 054	1.005	0.884				0.997	0.684	0.72	1 599	1.436	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1 933	1.327	0.901				1.536	1.353	1.533	2 377	1.092	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3 034	2.206	0.894			0.499	2.273	2.061	3.279	4 386	1.354	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.188	1.656	0.881				1.731	1.803	1.216	2 342	1.366	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2 544	1.949	0.893			0.435	1.713	2.5	2.36	2.781	2.056	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1 911	1.663	0.895			0.368	1.313	2.417	1.022	2 318	1.301	
COVID19 (COV D19 (JANSSEN))	Antibody test	2 348	0.875	0.88			0.578	0.896	1.74	1.908	2 094	1.934	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2 243	1.669	1.064	0.612		0.434	1.853	1.996	2.599	2 886	1.613	
COVID19 (COV D19 (JANSSEN))	Areflexia	2 083	1.919	1.224	0.881			0.864	1.913	1.423	1.772	1.527	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1 919	1.919	0.882				1.18	1.179	1.356	2 493	0.935	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.886	1.591	0.882	0.609		0.336	1.239	2.441	1.579	2 299	1.223	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.719	1.542	0.88	0.608		0.295	1.292	2.276	1.363	2.09	1.189	
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.765	1.293	0.885			0.339	1.504	1.812	1.521	2 075	1.25	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1 919	1.486	0.893			0.407	1.43	2.254	1.728	2 244	1.466	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1 993	1.539	0.901			0.459	1.439	2.252	1.768	2.38	1.351	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3 517	2.66	0.89			0.511	1.852	2.44	0.738	4 604	1.073	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1 889	1.633	0.894			0.266	1.166	2.144	1.545	2 602	1.094	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.745	1.607	0.88			0.214	1.401	2 055	1.241	2 059	0.92	
COVID19 (COV D19 (JANSSEN))	COVID-19 pneumonia	1 915	1.326	1.003				1.338	1.782	1.81	2 002	1.676	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2 655	2.194	0.88				1.687	2.6	1.159	2.37	2.15	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2 306	1.863	0.913			0.523	2.049	1.915	1.443	3.456	1.098	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.16	1.961	0.899			0.538	1.291	1.268	0.995	3 353	0.971	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.113	1.537	0.881				1.123	1.199	1.356	2.497	1.04	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.489	2.496	0.903			0.525	2.672	2.562	0.825	4.162	1.222	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.749	1.987	0.932	0.611		0.636	2.375	2.48	2.271	3 618	1.773	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.03	1.502	0.897			0.406	1.708	2.016	1.752	2 236	1.523	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.144	1.636	0.907			0.467	1.494	2.176	2.063	2.473	1.64	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2 605	1.872	0.923			0.466	2.176	2.273	3.254	3.227	2.027	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.797	1.486	0.877				1.296	2.321	1.45	2 121	1.182	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.785	0.784	0.88			1.137	2.001	1.504	1.004	1 894	1.404	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2 295	1.293	0.888			0.377	2.208	2.089	1.924	2 543	1.633	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.16	1.522	0.912	0.611		0.333	1.692	2.371	2.148	2 583	1.483	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1 953	0.994	0.881			0.427	1.707	1.971	0.756	2 224	1.182	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2 356	1.038	0.888			0.419	2.298	1.79	1.136	2 621	1.448	
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1 693	1.229	0.887				1.192	1.21	1.243	2.135	0.913	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2 297	1.894	0.88				1.399	2.84	1.742	2 162	2.101	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.831	1.372	0.899	0.606		0.433	1.372	2.118	1.689	2 226	1.339	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.767	1.316	0.898	0.607		0.333	1.447	2.023	1.554	2.09	1.347	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.66	3.695	0.89				4.027	4.858	6.152	7.14	2.473	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6 814	3.509	0.882			0.549	5.092	5.536	0.666	7 529	1.388	
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.79	1.24	0.893				1.254	1.788	1.61	2 036	1.412	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2 073	1.941	0.881			0.019	1.874	2.479	1.654	2 217	1.667	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.787	1.422	0.984			0.029	1.404	1.978	1.906	2.186	1.382	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.831	1.319	0.882	0.746		0.401	1.626	1.926	1.382	2 362	1.219	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1 905	2.006	0.886				1.367	1.945	0.904	2 038	1.205	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.149	2.005	0.882				1.599	1.139	0.744	2.78	0.765	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.9	1.537	0.88				1.251	2.161	1.098	1 699	1.73	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2 039	1.797					0.9	2.342	1.173	1.497	1.795	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1 598	1.243	0.889			0.184	1.037	2.042	1.66	2 002	1.137	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.186	1.736	0.887			0.506	1.811	1.937	2.319	2 539	1.605	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.052	1.483	0.889	0.611		0.465	1.331	2.314	1.409	2.27	1.273	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.78	1.279	0.885			0.351	1.275	2.226	1.031	2.127	1.064	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2 055	1.533	0.937			0.496	0.996	2.061	1.654	1 988	1.645	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1 586	1.346	0.89	0 61		0.224	0.964	2.111	1.893	2 406	1.02	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1 616	1.348	0.886			0.15	1.222	1.839	1.342	2.402	0.818	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1 645	1.267	0.886			0.24	1.138	2.011	1.594	1 899	1.256	
COVID19 (COV D19 (JANSSEN))	Off label use	1.449	0.216	0.881			5 946	0.324	0.471	0.383	0 911	1.253	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.746	0.757					3 03	0.998		2.15		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2 582	0.876				0.524	1.782	2.289	1.165	2 634	1.473	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.51	1.765	0.882				0.656	1.058	2.571	2.482	0.974	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.735	2.489	0.927	0.611		0.485	1.886	3.113	1.789	3.13	1.816	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.848	1.405	0.897	0.609		0.295	1.563	2.037	1.463	2.161	1.415	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.762	2.085	0.894			0.404	2.095	3.1	2.302	3.484	1.7	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	5 998	3.519	0.882				4.363	3.241	2.302	6.13	1.931	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1 205					0 865	4.019	3.183	6.153	4 622	3.771	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1 945	1.577	0.902	0.744		0.265	1.521	2.337	1.508	2 523	1.375	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.246	1.679	1.041	0.612		0.584	1.667	2.164	2.68	2 577	1.83	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2 064	1.552	0.888				1.53	1.473	2.101	1.91	1.664	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.89	1.402	0.889	0.607		0.537	1.515	2.147	1.571	2 102	1.508	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2 021	1.434	0.89	0.609		0.358	1 35	2.183	1.646	2.41	1.249	
COVID19 (COV D19 (JANSSEN))	Subarachnoid haemorrhage	1.73	1.171	0.935			0.549	1.615	1.074	0.899	2 082	0.809	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2 227	1.169	0.884			0.539	1.374	1.776	1.416	1 876	1.735	
COVID19 (COV D19 (JANSSEN))	Superior sagittal sinus thrombosis	1.66	1.351	0.88			0.549	1.492	0.826	0.648	2.785	0.67	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3 245	2.722	1.807			0.533	1.99	2.329	1.155	2.73	3.154	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7 038	0.797	0.883			0.648	3.617	6.722	15.126	7.93	5.992	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2 267						0.634	0.577		0 569	1.025	
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.134	1.701	0.892			0.518	1.432	1.665	1.385	2 256	1.365	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2 343	2.013	0.91			0.397	1.788	2.351	1.672	2 837	1.634	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2 682	2.18	1.872	0.612		0.572	2.019	2.396	3.547	2 869	2.159	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2 302	1.947	0.882				1.966	1.242	0.645	2 375	0.915	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.39	1.432	0.895			0.648	1.923	2.156	2.365	2 752	1.676	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.746	1.964	0.893	0.612		0.54	2.309	2.285	3.146	3 208	2.146	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.603	1.868	0.895			0.456	2.588	2.02	1.841	2 739	1.848	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1 945	1.14	0.883				1.356	2.119	1.725	2 053	1.288	
COVID19 (COV D19 (JANSSEN))	Urobilinogen urine increased	1 651	1.255	0.879	0.611		0.31	0.885	2.038	1.222	1.85	1.005	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1 239	3.003	2.537			0.539	1.184	2.391	4.976	1 861	2.082	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2 081	0.881					0.929	1.589	0.976	1 822	1.071	
COVID19 (COV D19 (JANSSEN))	Venogram	2 684	2.005					2.15	1.758	0.721	3 098	0.996	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3 395	2.522				0.606	2.964	1.884	2.212	4 205	1.193	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4 265	2.511	0.882				3.874	2.212	0.703	5 213	1.19	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1 371	0.832		7.378	0.884		1.207	0.513		1 329	1.004	
COVID19 (COV D19 (MODERNA))	Headache	0 068	0.959	0.888	6		0.301	0.943	0.984	1.013	0 954	1.019	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2 357	0.947	0.887		1.156	2.623	0.115	0.04	0.493	2.36	2.417	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2 042	1.997	0.881			2.204	2.002	1.945	1.574	1 894	2.12	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1 931	1.021	0.885			0.6	0.927	1.337	2.186	1 909	1.496	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.05	1.049	0.882			0.637	1.527	1.69	1.944	2 007	1.596	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2 284	1.717	1.305			1.024	1.728	1.792	1.941	2.04	1.98	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.726	0.846	0.884	13.852			0.393			0.422	1.14	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.141	1.707	0.901				1.048	1.729	1.928	2.309	2.11	1.929
COVID19 (COV D19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.317	0.326	0.875			3.945	0.321	0.16	0.049	0.301	0 294	0.34
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.768	0.751					1.343	1.853	1.799	2.276	1.786	1.728
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2 022	1.336	0.891			0.854	1.536	1.728	2.192	2 001	1.78	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, November 9, 2021 8:33:48 AM
Attachments:	USST_20211105.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 11/5/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211105	US Serious EB05 20211105	US Fatal EB05 20211105	US Infant EB05 20211105	US Child EB05 20211105	US Teen EB05 20211105	US Adult1 EB05 20211105	US Adult2 EB05 20211105	US Adult3 EB05 20211105	US Female EB05 20211105	US Male EB05 20211105	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.19	1.827	0.892			0.395	1.595	1.976	1.873	2.91	1.321	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.277	1.841	0.883				1.673	2.295	2.074	3.12	1.478	
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	1.972	1.32	0.961			0.462	1.283	1.78	1.819	2.275	1.534	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.977	0.878	0.875				0.86	0.721	0.722	2.352	1.532	
COVID19 (COVID19 (JANSSEN))	Adverse event	2.052	0.992	0.876				0.945	0.745	0.718	1.633	1.388	
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.896	1.312	0.903				1.495	1.346	1.512	2.345	1.085	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	3.05	2.202	0.89			0.498	2.245	2.062	3.44	4.433	1.362	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.203	1.672	0.872				1.79	1.822	1.198	2.443	1.336	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.534	1.931	0.888			0.433	1.714	2.492	2.36	2.764	2.059	
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.914	1.657	0.887			0.364	1.289	2.463	1.041	2.35	1.295	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.35	0.872	0.872			0.572	0.898	1.738	1.883	2.108	1.924	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.238	1.656	1.106	0.612		0.433	1.869	2.011	2.522	2.855	1.628	
COVID19 (COVID19 (JANSSEN))	Areflexia	2.12	1.948	0.878				0.899	1.917	1.527	1.84	1.548	
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.956	1.244	0.876				1.181	1.18	1.416	2.702	0.93	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.955	1.651	0.877	0.609		0.335	1.202	2.585	1.711	2.37	1.29	
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.751	1.559	0.874	0.608		0.292	1.271	2.34	1.438	2.149	1.202	
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.755	1.28	0.875			0.333	1.472	1.785	1.562	2.114	1.22	
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.946	1.502	0.886			0.402	1.421	2.273	1.819	2.304	1.475	
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	2.02	1.565	0.897			0.452	1.439	2.271	1.863	2.438	1.36	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.412	2.595	0.885			0.51	1.857	2.118	0.738	4.418	1.075	
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.839	1.559	0.888			0.26	1.179	2.087	1.507	2.579	1.046	
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.712	1.544	0.87			0.217	1.359	2.02	1.296	2.064	0.877	
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.762	1.209	0.872				1.042	1.904	1.527	2.016	1.394	
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	1.938	1.334	1.067				1.322	1.818	1.812	2.028	1.692	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.708	2.215	0.872				1.673	2.737	1.162	2.403	2.212	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.328	1.867	0.918			0.521	2.143	1.868	1.492	3.52	1.108	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.364	1.86	0.893			0.537	1.256	1.23	0.997	2.863	0.959	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.106	1.527	0.873				1.124	1.201	1.362	2.471	1.041	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.402	2.432	0.899			0.523	2.534	2.455	0.822	4.118	1.193	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.732	1.969	0.933	0.611		0.635	2.398	2.452	2.265	3.638	1.744	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	2.026	1.492	0.896			0.404	1.692	2.018	1.768	2.245	1.516	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.116	1.605	0.907			0.462	1.502	2.125	2.056	2.437	1.63	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.614	1.894	1.001			0.46	2.176	2.298	3.235	3.243	2.035	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.817	1.505	0.871				1.268	2.363	1.516	2.133	1.212	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.779	0.802	0.872			1.131	2.003	1.495	0.992	1.883	1.414	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.278	1.271	0.881			0.376	2.207	2.077	1.847	2.505	1.644	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.156	1.512	0.912	0.611		0.33	1.705	2.327	2.212	2.585	1.485	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.93	0.997	0.873			0.423	1.696	1.931	0.75	2.194	1.182	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.329	1.02	0.88			0.418	2.278	1.761	1.134	2.605	1.429	
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.857	1.382	0.882			0.403	1.373	1.514	1.499	2.014	1.219	
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.756	1.261	0.882				1.171	1.244	1.39	2.046	1.047	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.303	1.886	0.872				1.394	2.825	1.783	2.161	2.091	
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.833	1.366	0.896	0.606		0.426	1.37	2.108	1.72	2.238	1.345	
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.755	1.303	0.897	0.607		0.327	1.423	1.98	1.595	2.088	1.336	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.605	3.68	0.884				4.009	4.841	6.183	6.916	2.874	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.836	3.516	0.874			0.547	5.116	5.557	0.665	7.553	1.389	
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.803	1.234	0.89				1.312	1.798	1.612	2.08	1.405	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.074	1.931	0.875			0.019	1.872	2.504	1.651	2.205	1.683	
COVID19 (COVID19 (JANSSEN))	Intensive care	1.791	1.414	1.01			0.029	1.408	1.948	1.959	2.207	1.38	
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.834	1.315	0.882	0.746		0.395	1.639	1.886	1.425	2.378	1.23	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.922	1.215	0.879				1.416	1.935	0.899	2.086	1.197	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.104	1.961	0.874				1.602	1.122	0.744	2.831	0.755	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.897	1.531	0.871				1.231	2.162	1.155	1.705	1.723	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.022	1.764				0.182	0.896	2.323	1.163	1.488	1.78	
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.628	1.267	0.888			0.182	1.001	2.077	1.779	2.077	1.141	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.174	1.718	0.882			0.502	1.773	1.956	2.307	2.536	1.587	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.08	1.524	0.889	0.611		0.46	1.295	2.348	1.507	2.33	1.283	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.641	1.227	0.874			0.339	1.034	2.093	1.024	1.913	0.895	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.773	1.269	0.877			0.347	1.26	2.207	1.077	2.072	1.123	
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.04	1.495	0.935			0.494	0.993	2.025	1.671	1.927	1.663	
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.617	1.376	0.887	0.61		0.263	0.965	2.13	1.974	2.512	1.027	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.596	1.317	0.878			0.131	1.221	1.823	1.313	2.337	0.809	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.682	1.295	0.883			0.241	1.106	2.044	1.712	1.962	1.276	
COVID19 (COVID19 (JANSSEN))	Off label use	1.387	0.21	0.872			5.909	0.298	0.429	0.361	0.865	1.236	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.752	0.758					3.059	0.998		2.172		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.575	0.874				0.517	1.767	2.297	1.169	2.631	1.469	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.393	1.716	0.874				0.656	1.059	2.083	2.544	0.966	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.752	2.503	0.922	0.61		0.483	1.86	3.156	1.786	3.136	1.837	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.855	1.406	0.893	0.609		0.291	1.595	2.019	1.466	2.187	1.411	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.73	2.067	0.888			0.4	2.067	3.09	2.201	3.461	1.683	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.018	3.523	0.875				4.382	3.335	0.685	6.151	1.933	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.227					0.866	3.298	6.151	4.62	3.842		
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.95	1.566	0.903	0.744		0.326	1.514	2.321	1.53	2.548	1.379	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.246	1.679	1.511	0.612		0.583	1.697	2.15	2.68	2.581	1.829	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.046	1.532	0.883				1.546	1.453	2.066	1.887	1.661	
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.885	1.392	0.88	0.607		0.528	1.496	2.137	1.602	2.119	1.496	
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	2.043	1.44	0.884	0.609		0.356	1.307	2.291	1.639	2.458	1.264	
COVID19 (COVID19 (JANSSEN))	Subarachnoid haemorrhage	1.736	1.176	0.959			0.547	1.698	1.056	0.901	2.206	0.787	
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.282	1.2	0.879			0.538	1.498	1.78	1.377	1.957	1.749	
COVID19 (COVID19 (JANSSEN))	Superior sagittal sinus thrombosis	1.665	1.349	0.876			0.531	1.132	0.827	0.647	2.857	0.67	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.215	2.643	1.727			0.531	1.892	2.334	1.206	2.677	3.109	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.077	0.797	0.875			0.647	3.642	6.746	15.322	8.003	5.996	
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.289							0.635	0.576	0.569	1.025	
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.116	1.675	0.886			0.516	1.416	1.656	1.384	2.27	1.346	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.374	2.044	0.916			0.39	1.846	2.378	1.688	2.817	1.701	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.68	2.17	1.864	0.612		0.571	2.007	2.389	3.532	2.858	2.166	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.255	1.907	0.874				1.974	1.224	0.644	2.402	0.904	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.397	1.445	0.893			0.648	1.928	2.165	2.371	2.786	1.66	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.752	1.971	0.892	0.612		0.534	2.388	2.299	3.024	3.229	2.153	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.53	1.811	0.892			0.454	2.494	1.983	1.777	2.651	1.805	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.933	1.152	0.875				1.358	2.078	1.782	2.056	1.263	
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.673	1.267	0.876	0.611		0.309	0.86	2.082	1.291	1.858	1.045	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.257	2.99	2.501			0.537	1.179	2.423	5.159	1.904	2.087	
COVID19 (COVID19 (JANSSEN))	Vaccine breakthrough infection	1.685	1.419	0.92			0.48	0.975	1.252	2.048	1.549	1.554	
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.095	0.881					0.93	1.624	0.979	1.87	1.055	
COVID19 (COVID19 (JANSSEN))	Venogram	2.66	2.009					2.174	1.738	0.721	3.015	1.045	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.411	2.523				0.605	2.98	1.889	0.703	4.223	1.195	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.282	2.509	0.874				3.954	2.152	0.846	5.237	1.192	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.353	0.833		7.466	0.885		1.192		0.513	1.319	0.982	
COVID19 (COVID19 (MODERNA))	Headache	0.966	0.962	0.884	6.091		0.304	0.941	0.981	1.012	0.953	1.014	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.344	0.933	0.88		1.158	2.624	0.12	0.036	0.491	2.349	2.404	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.045	2.006	0.873			2.214	2.003	1.947	1.572	1.899	2.117	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.932	1.02	0.877			0.599	0.927	1.336	2.191	1.909	1.499	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.047	1.057	0.874			0.636	1.502	1.655	1.949	2.007	1.576	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.274	1.723	1.46			1.025	1.723	1.784	1.924	2.034	1.968	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.74	0.846	0.876	14.049			0.413			0.435	1.162	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.142	1.712	0.897			1.057	1.739	1.932	2.319	2.112	1.933	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product administered to patient of inappropriate age	0.32	0.299	0.866		3.489	0.323	0.174	0.052	0.301	0.296	0.344	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.774	0.752				1.345	1.86	1.807	2.29	1.793	1.735	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.022	1.313	0.885			0.872	1.535	1.722	2.2	2.003	1.773	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, November 16, 2021 6:48:39 AM
Attachments:	USST_20211112.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 11/12/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211112	US Serious EB05 20211112	US Fatal EB05 20211112	US Infant EB05 20211112	US Child EB05 20211112	US Teen EB05 20211112	US Adult1 EB05 20211112	US Adult2 EB05 20211112	US Adult3 EB05 20211112	US Female EB05 20211112	US Male EB05 20211112	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.199	1.816	0.899			0.392	1.622	1.97	1.896	2.893	1.359	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.254	1.804	0.892				1.646	2.268	2.087	3.072	1.465	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	1.976	1.314	0.962			0.458	1.303	1.8	1.81	2.273	1.549	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.952	0.893	0.883				0.897	0.717	0.69	2.265	1.557	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.048	0.984	0.886				0.908	0.718	0.714	1.603	1.416	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.89	1.3	0.904				1.468	1.378	1.495	2.326	1.078	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3.01	2.172	0.901			0.497	2.266	2.068	3.255	4.336	1.407	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.19	1.644	0.88				1.753	1.853	1.179	2.375	1.362	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.544	1.931	0.895			0.426	1.748	2.455	2.437	2.852	2.037	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.905	1.647	0.895			0.366	1.241	2.451	1.121	2.276	1.327	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.348	0.865	0.88			0.572	0.899	1.75	1.831	2.131	1.895	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.218	1.633	1.075	0.612		0.432	1.858	1.998	2.466	2.824	1.619	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.162	1.975	0.892				0.892	2.027	1.509	1.94	1.544	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.976	1.262	0.883				1.285	1.164	1.423	2.559	0.98	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.946	1.623	0.886	0.609		0.329	1.216	2.597	1.67	2.436	1.243	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.819	1.608	0.887	0.608		0.291	1.291	2.356	1.618	2.236	1.257	
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.755	1.271	0.884			0.33	1.478	1.773	1.576	2.098	1.237	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.949	1.496	0.896			0.4	1.423	2.262	1.843	2.301	1.485	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	2.043	1.579	0.908			0.451	1.417	2.288	1.956	2.444	1.399	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.69	2.691	0.894			0.509	1.863	2.817	0.83	4.688	1.138	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.841	1.529	0.901			0.263	1.204	2.05	1.514	2.559	1.05	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.79	1.641	0.88			0.215	1.389	2.101	1.508	2.139	0.942	
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.784	1.215	0.878				1.073	1.967	1.508	2.021	1.43	
COVID19 (COV D19 (JANSSEN))	COVID-19 pneumonia	1.971	1.349	1.337				1.404	1.846	1.846	2.033	1.747	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.698	2.192	0.88				1.676	2.772	1.147	2.343	2.234	
COVID19 (COV D19 (JANSSEN))	CSF red blood cell count positive	2.019	1.783	0.88			0.521	1.227	1.627	1.131	1.576	1.483	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.324	1.849	0.924			0.521	2.08	1.887	1.495	3.539	1.096	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.636	1.988	0.916			0.536	1.226	1.325	1.1	3.674	0.96	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.155	1.582	0.882				1.125	1.25	1.353	2.647	1.031	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.425	2.42	0.916			0.522	2.547	2.404	0.818	4.135	1.179	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.737	1.958	0.961	0.611		0.636	2.382	2.434	2.316	3.637	1.754	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.02	1.469	0.901			0.397	1.674	2.007	1.803	2.227	1.526	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.114	1.598	0.916			0.464	1.482	2.119	2.096	2.45	1.623	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.604	1.873	0.97			0.456	2.159	2.283	3.231	3.232	2.034	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.838	1.504	0.889				1.302	2.348	1.552	2.175	1.219	
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.688	1.345	0.88	0.61		0.301	1.274	2.041	1.369	1.964	1.205	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.78	0.836	0.887			1.117	2.013	1.49	1	1.881	1.425	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.291	1.323	0.885			0.372	2.17	2.127	2.019	2.523	1.667	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.144	1.503	0.912	0.611		0.325	1.687	2.335	2.217	2.578	1.474	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.964	1.021	0.881			0.425	1.731	1.961	0.751	2.19	1.253	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.297	1.015	0.887			0.416	2.258	1.752	1.13	2.594	1.414	
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.946	1.507	0.893			0.398	1.406	1.616	1.601	2.104	1.294	
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.764	1.255	0.893				1.16	1.286	1.371	2.096	1.037	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.289	1.872	0.879				1.378	2.859	1.75	2.129	2.095	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.847	1.365	0.904	0.607		0.426	1.357	2.113	1.766	2.227	1.384	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.769	1.306	0.904	0.607		0.322	1.423	1.992	1.632	2.088	1.366	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.579	3.662	0.893				3.989	4.855	6.228	6.998	2.688	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.863	3.49	0.882			0.546	5.13	5.575	0.664	7.582	1.389	
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.836	1.248	0.9				1.357	1.817	1.633	2.172	1.685	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.074	1.918	0.883			0.019	1.917	2.492	1.631	2.214	1.685	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.826	1.433	1.053			0.028	1.401	1.99	2.038	2.246	1.417	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.855	1.322	0.894	0.746		0.397	1.625	1.941	1.433	2.458	1.22	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	1.966	1.294	0.886				1.381	1.979	1.026	2.103	1.257	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.131	1.954	0.885				1.237	2.158	1.135	1.704	1.727	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.896	1.532	0.878					1.192	0.735	3.111	0.746	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.005	1.731					0.887	2.317	1.16	1.515	1.753	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.657	1.278	0.896			0.179	1.03	2.089	1.807	2.103	1.17	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.157	1.691	0.889			0.493	1.771	1.943	2.279	2.497	1.593	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.128	1.558	0.901	0.611		0.459	1.275	2.468	1.539	2.397	1.319	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin decreased	1.663	1.24	0.885			0.339	1.02	2.098	1.113	1.918	0.922	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.822	1.339	0.891			0.34	1.269	2.263	1.191	2.156	1.15	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.025	1.457	0.938			0.49	0.988	2.061	1.63	1.918	1.657	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.619	1.371	0.893	0.61		0.256	0.985	2.109	1.982	2.507	1.037	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.595	1.298	0.887			0.12	1.212	1.8	1.4	2.319	0.828	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.711	1.307	0.891			0.24	1.133	2.057	1.749	1.981	1.311	
COVID19 (COV D19 (JANSSEN))	Off label use	1.341	0.203	0.88			6.031	0.282	0.409	0.339	0.834	1.209	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.751	0.758					3.089	0.999		2.186		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.537	0.875				0.512	1.771	2.279	1.168	2.637	1.44	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.38	1.71	0.882				0.656	1.06	2.091	2.581	0.967	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.768	2.504	0.912	0.61		0.483	1.864	3.159	1.941	3.155	1.841	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.869	1.409	0.9	0.609		0.289	1.605	2.03	1.515	2.202	1.429	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.726	2.067	0.896			0.394	2.019	3.128	2.319	3.468	1.683	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.041	3.492	0.882				4.394	3.399	0.683	6.175	1.935	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.259					0.869	4.014	3.383	5.896	4.534	3.831	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.995	1.597	0.913	0.744		0.325	1.519	2.374	1.602	2.66	1.39	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.239	1.669	1.517	0.612		0.584	1.69	2.154	2.65	2.565	1.833	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.064	1.543	0.894				1.557	1.482	2.009	1.879	1.684	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.917	1.413	0.891	0.608		0.527	1.475	2.19	1.663	2.137	1.545	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.082	1.469	0.899	0.609		0.355	1.321	2.321	1.701	2.485	1.319	
COVID19 (COV D19 (JANSSEN))	Subarachnoid haemorrhage	1.761	1.199	1.786			0.546	1.657	1.5	1.85	0.984	2.321	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.311	1.217	0.886			0.537	1.058	1.384	2.048	1.736		
COVID19 (COV D19 (JANSSEN))	Superior sagittal sinus thrombosis	1.583	1.242	0.881			0.546	1.132	0.827	0.646	2.368	0.67	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.178	2.572	1.699			0.531	1.897	2.281	1.2	2.642	3.055	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.086	0.797	0.882			0.647	3.45	6.766	15.432	7.994	6.001	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.291						0.635	1.64	0.574	0.568	1.024	
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.083	1.623	0.892			0.516	1.398	1.64	1.372	2.216	1.333	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.391	2.037	0.92			0.386	1.816	2.47	1.719	2.823	1.724	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.666	2.156	1.832	0.612		0.646	1.978	2.379	3.516	2.84	2.164	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.252	1.901	0.882				1.982	1.226	0.643	2.419	0.904	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.401	1.442	0.898			0.648	1.945	2.136	2.444	2.788	1.669	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.723	1.946	0.897	0.612		0.526	2.357	2.272	3.016	3.248	2.114	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.495	1.777	0.898			0.446	2.402	1.987	1.811	2.604	1.794	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.895	1.148	0.883			0.306	1.313	2.066	1.777	2.015	1.25	
COVID19 (COV D19 (JANSSEN))	Urobilinogen urine increased	1.662	1.24	0.883	0.611			0.857	2.091	1.265	1.854	1.032	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.294	3.097	2.518			0.534	1.22	2.505	5.521	1.971	2.128	
COVID19 (COV D19 (JANSSEN))	Vaccine breakthrough infection	1.68	1.368	0.925			0.468	0.989	1.225	2.086	1.548	1.56	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.066	0.882					0.923	1.598	0.982	1.851	1.045	
COVID19 (COV D19 (JANSSEN))	Venogram	2.573	1.978					2.14	1.72	0.721	2.906	1.034	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.2	2.44				0.605	2.731	1.848	0.695	4.145	1.16	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.258	2.472	0.885				3.964	2.099	0.847	5.184	1.193	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.353	0.834		7.532	0.894		1.194	0.513		1.321	0.959	
COVID19 (COV D19 (MODERNA))	Headache	0.965	0.962	0.891	6.267		0.304	0.941	0.979	1.012	0.954	1.01	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.356	0.035	0.887		1.256		2.656	0.125	0.035	2.364	2.415	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.045	2.007	0.881				2.262	2.006	1.945	1.467	2.115	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.94	1.019	0.885			0.597	0.926	1.338	2.204	1.917	1.503	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.053	1.066	0.882			0.635	1.501	1.696	1.965	2.013	1.58	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.275	1.719	1.461				1.022	1.714	1.78	1.91	1.97	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.763	0.848	0.884	14.99			0.412		0.434	1.239		
COVID19 (COV D19 (PFIZER-BIONTECH))	Incorrect dose administered	0.936	0.824	0.879		2.243	1.038	0.975	0.913	0.912	0.948	0.964	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.152	1.724	0.902			1.055	1.751	1.941	2.337	2.12	1.952	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.79	0.752			2.497	1.363	1.88	1.814	2.281	1.806	1.752	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.016	1.303	0.891			0.87	1.519	1.708	2.213	1.999	1.766	

From:	Zinderman, Craig E
To:	Menschik, David; Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, November 23, 2021 3:14:28 PM
Attachments:	USST_20211119.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 11/19/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211119	US Serious EB05 20211119	US Fatal EB05 20211119	US Infant EB05 20211119	US Child EB05 20211119	US Teen EB05 20211119	US Adult1 EB05 20211119	US Adult2 EB05 20211119	US Adult3 EB05 20211119	US Female EB05 20211119	US Male EB05 20211119	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.244	1.838	0.903			0.394	1.63	2.046	1.952	2.866	1.446	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.229	1.769	0.893				1.638	2.22	2.087	2.929	1.483	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	1.988	1.337	0.981			0.455	1.325	1.899	1.816	2.309	1.595	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.959	0.885	0.881				0.993	0.756	0.682	2.359	1.559	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.052	0.997	0.886				0.932	0.734	0.705	1.602	1.446	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.94	1.374	0.911				1.519	1.397	1.621	2.432	1.135	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	3.008	2.164	0.898			0.497	2.294	2.087	3.142	4.289	1.453	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.23	1.715	0.882				1.908	1.931	1.154	2.449	1.45	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.538	1.912	0.901			0.427	1.72	2.466	2.438	2.814	2.045	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.883	1.597	0.897			0.367	1.233	2.406	1.153	2.234	1.325	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.352	0.861	0.879			0.573	0.891	1.754	1.832	2.129	1.901	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.224	1.614	0.988	0.612		0.434	1.853	1.992	2.431	2.823	1.623	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.134	1.943	0.891				0.894	2.003	1.492	1.932	1.527	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	2.021	1.299	0.881				1.286	1.166	1.502	2.782	0.979	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.959	1.619	0.89	0.61		0.331	1.235	2.571	1.72	2.449	1.273	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.817	1.583	0.89	0.609		0.293	1.292	2.311	1.65	2.23	1.273	
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.793	1.292	0.886			0.331	1.48	1.788	1.649	2.078	1.32	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.965	1.498	0.901			0.4	1.442	2.262	1.883	2.306	1.52	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	2.079	1.608	0.913			0.454	1.428	2.342	2.025	2.469	1.466	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.59	2.633	0.893			0.509	1.865	2.583	0.819	4.579	1.135	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.907	1.577	0.911			0.269	1.225	2.091	1.629	2.593	1.132	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.825	1.677	0.881			0.222	1.432	1.501	1.501	2.155	1.006	
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.813	1.227	0.884				1.041	2.005	1.536	2.008	1.477	
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	1.983	1.371	1.384				1.403	1.936	1.862	2.079	1.788	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.697	2.19	0.879				1.664	2.88	1.137	2.305	2.292	
COVID19 (COV D19 (JANSSEN))	CSF red blood cell count positive	2.022	1.76	0.879				1.219	1.658	1.129	1.54	1.524	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.333	1.855	0.929			0.52	1.981	1.923	1.551	3.626	1.097	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.603	1.976	0.916			0.535	1.227	1.327	1.097	3.613	0.962	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.156	1.526	0.881				1.127	1.251	1.339	2.626	1.02	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.302	2.318	0.917			0.521	2.272	2.32	0.819	3.966	1.171	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.702	1.929	0.956	0.611		0.637	2.382	2.416	2.273	3.584	1.769	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.022	1.468	0.903			0.395	1.665	2.03	1.804	2.231	1.534	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.128	1.613	0.923			0.463	1.484	2.17	2.146	2.447	1.685	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.605	1.853	1.045			0.456	2.17	2.278	3.218	3.269	2.009	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.846	1.492	0.891				1.296	2.308	1.611	2.198	1.226	
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.71	1.355	0.884	0.61		0.301	1.27	2.043	1.451	1.971	1.243	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.778	0.83	0.886				1.132	2.013	1.481	0.993	1.875	1.422
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.283	1.317	0.886			0.375	2.17	2.136	2.009	2.542	1.66	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.162	1.502	0.916	0.611		0.328	1.707	2.332	2.2	2.544	1.522	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.975	1.016	0.88			0.427	1.737	1.965	0.745	2.21	1.241	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.278	1	0.885			0.41	2.25	1.724	1.119	2.552	1.398	
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.943	1.478	0.894			0.399	1.398	1.582	1.661	2.082	1.309	
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.769	1.247	0.893				1.193	1.305	1.36	2.097	1.051	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.303	1.851	0.878				1.402	2.876	1.693	2.133	2.118	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.852	1.364	0.91	0.606		0.428	1.377	2.095	1.782	2.203	1.417	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.775	1.309	0.907	0.607		0.322	1.441	1.993	1.642	2.088	1.39	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.553	3.685	0.896				3.948	4.971	6.266	7.035	2.857	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.877	3.5	0.881			0.545	5.167	5.591	0.663	7.622	1.39	
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.833	1.263	0.908				1.375	1.879	1.633	2.172	1.445	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.077	1.906	0.881			0.019	1.916	2.542	1.611	2.235	1.699	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.824	1.409	1.032			0.029	1.395	1.975	2.019	2.24	1.407	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.877	1.355	0.894	0.746		0.4	1.64	1.977	1.493	2.478	1.275	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.011	1.308	0.885				1.415	2.027	1.025	2.176	1.259	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.129	1.927	0.883				1.561	1.193	0.735	2.912	0.746	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.902	1.51	0.877				1.236	2.168	1.133	1.711	1.736	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.018	1.73					0.869	2.424		1.483	1.816	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.677	1.288	0.9			0.182	1.05	2.075	1.869	2.096	1.215	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.176	1.706	0.888			0.492	1.799	1.957	2.327	2.522	1.616	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.144	1.566	0.907	0.611		0.455	1.238	2.454	1.655	2.407	1.353	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin decreased	1.667	1.246	0.886			0.336	1.028	2.041	1.211	1.907	0.962	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.842	1.354	0.894			0.338	1.25	2.259	1.291	2.161	1.183	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.048	1.501	0.953			0.482	1.016	2.128	1.692	1.958	1.723	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.62	1.363	0.894	0.61		0.259	0.983	2.106	1.969	2.473	1.059	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.591	1.294	0.887			0.13	1.194	1.797	1.447	2.277	0.863	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.732	1.317	0.896			0.239	1.157	2.055	1.8	1.981	1.353	
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.181	0.723					0.761	0.61		1.337	0.895	
COVID19 (COV D19 (JANSSEN))	Off label use	1.335	0.315	0.883			6.209	0.281	0.411	0.33	0.805	1.226	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.751	0.758					3.105	1		2.191		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.531	0.869				0.511	1.742	2.285	1.148	2.588	1.428	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.368	1.715	0.88				0.656	1.06	2.114	2.582	0.968	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.775	2.516	0.92	0.61		0.482	1.85	3.11	2.149	3.115	1.877	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.874	1.407	0.9	0.609		0.291	1.579	2.047	1.547	2.198	1.451	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.731	2.037	0.895			0.393	2	3.123	2.275	3.437	1.671	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.054	3.501	0.881				4.422	3.442	0.683	6.21	1.937	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.294					0.953	3.976	3.357	5.874	4.507	3.872	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	2.028	1.619	0.916	0.744		0.324	1.546	2.416	1.642	2.635	1.455	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.233	1.661	1.571	0.612		0.586	1.707	2.153	2.655	2.572	1.833	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.071	1.574	0.895				1.593	1.507	1.987	1.93	1.71	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.92	1.409	0.898	0.607		0.529	1.471	2.182	1.685	2.121	1.57	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.076	1.454	0.903	0.609		0.353	1.27	2.271	1.783	2.449	1.345	
COVID19 (COV D19 (JANSSEN))	Subarachnoid haemorrhage	1.729	1.15	1.75			0.545	1.519	1.053	0.975	2.125	0.788	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.418	1.354	0.885			0.536	1.539	1.985	1.516	2.274	1.76	
COVID19 (COV D19 (JANSSEN))	Superior sagittal sinus thrombosis	1.584	1.243	0.88			0.545	1.133	0.827	0.645	2.377	0.669	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.22	2.571	1.699			0.53	1.921	2.306	1.198	2.68	3.069	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.084	0.796	0.881			0.646	3.232	6.726	15.527	7.878	6.03	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.351						0.635		0.572	0.568	1.025	
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.091	1.638	0.891			0.515	1.392	1.696	1.36	2.206	1.381	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.351	1.973	0.922			0.382	1.735	2.423	1.763	2.702	1.72	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.674	2.137	1.823			0.649	1.961	2.372	3.478	2.812	2.162	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.214	1.812	0.88	0.612			1.836	1.215	0.642	2.181	0.906	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.425	1.468	0.9			0.649	1.913	2.167	2.525	2.804	1.692	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.734	1.934	0.906	0.612		0.527	2.356	2.283	3.068	3.322	2.096	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.518	1.126	0.881			0.447	2.308	2	1.875	2.502	1.871	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.896	1.78	0.9				1.298	2.051	1.8	2.01	1.235	
COVID19 (COV D19 (JANSSEN))	Urobilinogen urine increased	1.659	1.232	0.883	0.611		0.31	0.885	2.033	1.283	1.838	1.064	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.314	3.121	2.568			0.528	1.211	2.56	5.622	2.006	2.16	
COVID19 (COV D19 (JANSSEN))	Vaccine breakthrough infection	1.695	1.373	0.927			0.464	0.968	1.255	2.105	1.58	1.528	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.051	0.877					0.912	1.59	0.985	1.821	1.048	
COVID19 (COV D19 (JANSSEN))	Venogram	2.445	1.962	0.879				2.017	1.656	0.721	2.802	1.009	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.082	2.369				0.604	2.646	1.774	0.694	3.928	1.209	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.289	2.448	0.883				3.922	2.106	0.848	5.21	1.24	
COVID19 (COV D19 (JANSSEN))	White blood cell count decreased	1.746	1.315	0.884			0.173	1.645	1.525	1.64	2.001	1.201	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.37	0.834		7.297	0.904		1.206	0.512		1.32	0.939	
COVID19 (COV D19 (MODERNA))	Headache	0.966	0.962	0.889	6.085		0.306	0.941	0.978	1.013	0.955	1.008	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.589	0.851	0.879		0.668	2.065	0.741	0.561	0.372	0.588	0.565	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.358	0.928	0.885		2.419	2.693	0.115	0.033	0.438	2.378	2.436	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.053	2.008	0.88			2.238	2.004	1.949	1.567	1.897	2.116	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.942	1.019	0.883			0.595	1.927	1.339	2.213	1.923	1.506	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.049	1.066	0.881			0.634	1.502	1.689	1.946	2.007	1.574	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.285	1.726	1.501			1.019	1.712	1.785	1.888	2.034	1.979	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.789	0.847	0.882	16.917			0.407			0.462	1.319	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.157	1.729	0.902			1.052	1.753	1.954	2.344	2.121	1.958	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.759	0.752			2.134	1.359	1.862	1.738	2.286	1.781	1.736	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.018	1.292	0.89			0.868	1.525	1.713	2.2	1.998	1.762	

From:	Menschik, David
To:	Su, John (CDC); Shimabukuro, Tom (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, November 30, 2021 6:30:27 AM
Attachments:	USST_20211126.xls

Good morning John and Tom,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 11/26/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211126	US Serious EB05 20211126	US Fatal EB05 20211126	US Infant EB05 20211126	US Child EB05 20211126	US Teen EB05 20211126	US Adult1 EB05 20211126	US Adult2 EB05 20211126	US Adult3 EB05 20211126	US Female EB05 20211126	US Male EB05 20211126	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.228	1.822	0.903			0.394	1.591	2.047	2.001	2.837	1.454	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.222	1.759	0.891				1.642	2.258	2.032	2.932	1.492	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.001	1.361	0.979			0.455	1.323	1.944	1.88	2.356	1.642	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.977	0.902	0.88			0.52	0.996	0.809	0.68	2.466	1.554	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.052	0.992	0.885				0.965	0.727	0.767	1.625	1.471	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.932	1.347	0.909				1.502	1.403	1.601	2.386	1.135	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.989	2.168	0.896			0.497	2.297	2.088	3.385	4.295	1.484	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.212	1.674	0.88				1.869	1.906	1.147	2.428	1.423	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.519	1.89	0.898			0.427	1.708	2.448	2.429	2.768	2.059	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.867	1.591	0.896			0.366	1.231	2.411	1.181	2.238	1.336	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.353	0.856	0.877			0.569	0.887	1.752	1.906	2.154	1.875	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.228	1.599	0.965	0.612		0.435	1.853	1.99	2.45	2.809	1.64	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.131	1.966	0.89				0.895	2.088	1.485	2.031	1.529	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.976	1.275	0.879				1.204	1.17	1.55	2.94	0.945	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.947	1.605	0.891	0.61		0.329	1.204	2.627	1.716	2.422	1.301	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.817	1.59	0.89	0.609		0.293	1.282	2.352	1.679	2.224	1.304	
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.785	1.295	0.884			0.332	1.509	1.798	1.661	2.084	1.35	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.964	1.499	0.904			0.399	1.459	2.27	1.907	2.317	1.544	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	2.078	1.606	0.913			0.455	1.412	2.382	2.004	2.482	1.478	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.564	2.618	0.892			0.508	1.865	2.615	0.813	4.599	1.133	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.892	1.539	0.908			0.273	1.215	2.077	1.636	2.551	1.142	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.811	1.684	0.879			0.225	1.428	2.235	1.471	2.185	0.995	
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.817	1.233	0.884				1.059	2.012	1.56	2.022	1.497	
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	1.978	1.381	1.368				1.372	1.966	1.906	2.151	1.786	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.722	2.204	0.877				1.739	2.906	1.134	2.42	2.29	
COVID19 (COV D19 (JANSSEN))	CSF red blood cell count positive	2.062	1.81	0.877				1.292	1.666	1.13	1.624	1.522	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.336	1.845	0.929			0.519	1.936	1.931	1.54	3.606	1.088	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.606	1.92	0.911			0.534	1.227	1.331	1.092	3.235	0.964	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.154	1.484	0.879				1.129	1.239	1.342	2.968	1.024	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.306	2.299	0.916			0.521	2.245	2.335	0.82	3.906	1.175	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.702	1.918	0.947	0.611		0.633	2.403	2.436	2.257	3.585	1.763	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.005	1.441	0.901			0.391	1.662	2.02	1.788	2.223	1.523	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.121	1.591	0.921			0.464	1.481	2.13	2.147	2.45	1.676	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.61	1.851	1.049			0.456	2.144	2.294	3.241	3.281	2.017	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.851	1.488	0.895				1.284	2.326	1.65	2.173	1.268	
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.707	1.358	0.886	0.61		0.301	1.265	2.06	1.487	1.957	1.274	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.778	0.828	0.885			1.134	2.012	1.477	1.018	1.873	1.426	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.29	1.308	0.884			0.375	2.186	2.134	2.021	2.56	1.651	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.155	1.49	0.916	0.611		0.328	1.693	2.329	2.178	2.504	1.546	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.97	1.013	0.878			0.428	1.698	1.962	0.746	2.181	1.225	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.276	1.497	0.884			0.408	2.281	1.723	1.121	2.525	1.434	
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.928	1.442	0.892			0.4	1.432	1.554	1.64	2.096	1.293	
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.768	1.24	0.892				1.256	1.29	1.346	2.144	1.04	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.317	1.844	0.876				1.402	2.864	1.758	2.151	2.125	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.849	1.368	0.91	0.607		0.425	1.386	2.117	1.79	2.224	1.434	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.773	1.315	0.906	0.607		0.321	1.451	2.027	1.653	2.118	1.406	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.558	3.684	0.895				3.966	4.998	6.279	7.059	2.873	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.887	3.547	0.879			0.544	5.201	5.71	0.662	7.649	1.616	
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.843	1.3	0.914				1.373	1.932	1.722	2.227	1.511	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.09	1.912	0.88			0.021	1.939	2.567	1.61	2.23	1.726	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.839	1.421	1.024			0.029	1.4	2.008	2.057	2.24	1.443	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.877	1.347	0.892	0.746		0.402	1.636	2.016	1.472	2.501	1.277	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.013	1.336	0.883				1.399	2.082	1.018	2.212	1.253	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.131	1.926	0.882				1.562	1.196	0.735	2.947	0.747	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.902	1.489	0.875				1.235	2.166	1.12	1.705	1.732	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.015	1.727					0.871	2.441	1.147	1.487	1.818	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.674	1.29	0.901			0.184	1.042	2.093	1.89	2.105	1.23	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.172	1.69	0.885			0.488	1.817	1.943	2.328	2.528	1.605	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.147	1.571	0.907	0.611		0.456	1.252	2.448	1.712	2.402	1.415	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin decreased	1.669	1.26	0.884			0.335	1.049	2.065	1.239	1.945	0.975	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.887	1.439	0.897			0.339	1.317	2.336	1.356	2.191	1.282	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.052	1.471	0.946			0.482	1.024	2.106	1.659	1.953	1.716	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.609	1.354	0.892	0.61		0.261	0.96	2.126	1.994	2.434	1.08	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.589	1.318	0.886			0.143	1.196	1.812	1.493	2.271	0.894	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.732	1.325	0.897			0.24	1.151	2.08	1.827	1.992	1.374	
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.189	0.724					0.761	0.61		1.602	0.896	
COVID19 (COV D19 (JANSSEN))	Off label use	1.339	0.301	0.882			6.614	0.276	0.4	0.328	0.85	1.24	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.753	0.759					3.108	1.002		2.16		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.535	0.869				0.51	1.746	2.297	1.144	2.59	1.433	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.372	1.709	0.879				0.656	1.063	2.144	2.621	0.969	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.779	2.494	0.921	0.61		0.482	1.845	3.129	2.269	3.162	1.867	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.886	1.414	0.901	0.609		0.292	1.574	2.101	1.543	2.202	1.483	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.737	2.03	0.894			0.39	2.004	3.142	2.24	3.43	1.669	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.06	3.505	0.88				4.016	4.447	5.92	6.229	1.944	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.303					0.958	4.016	3.414	4.57	3.94		
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	2.037	1.617	0.914	0.745		0.326	1.562	2.466	1.614	2.681	1.461	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.237	1.666	1.57	0.612		0.583	1.703	2.15	2.73	2.567	1.855	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.089	1.563	0.894				1.588	1.53	1.939	1.945	1.724	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.902	1.402	0.895	0.608		0.524	1.48	2.181	1.684	2.12	1.578	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.061	1.456	0.904	0.61		0.352	1.319	2.276	1.787	2.478	1.362	
COVID19 (COV D19 (JANSSEN))	Subarachnoid haemorrhage	1.73	1.132	1.455			0.544	1.52	1.05	0.972	2.048	0.782	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.42	1.35	0.884			0.535	1.585	1.978	1.522	2.324	1.753	
COVID19 (COV D19 (JANSSEN))	Superior sagittal sinus thrombosis	1.585	1.206	0.877			0.544	1.134	0.828	0.645	2.096	0.67	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.231	2.55	1.617			0.529	1.898	2.305	1.196	2.694	3.083	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.026	0.796	0.88			0.645	3.244	6.762	15.691	7.794	6.058	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.375							0.635		0.572	1.026	
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.104	1.616	0.89			0.514	1.413	1.687	1.352	2.169	1.398	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.347	1.966	0.926			0.38	1.734	2.443	1.783	2.643	1.771	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.677	2.131	1.807			0.651	1.965	2.392	2.392	2.822	2.198	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.216	1.812	0.879	0.612			1.776	1.219	0.642	2.131	0.907	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.434	1.47	0.899			0.646	1.903	2.185	2	2.776	1.72	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.75	1.935	0.905	0.612		0.527	2.307	2.307	3.091	3.304	2.118	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.55	1.767	0.901			0.447	2.331	2.009	1.897	2.526	1.883	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan	1.769	1.345	0.882	0.61			1.265	1.967	2.005	1.747	1.663	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.896	1.113	0.88				1.283	2.039	1.764	1.982	1.23	
COVID19 (COV D19 (JANSSEN))	Urobilinogen urine increased	1.644	1.211	0.881	0.611		0.31	0.882	2.028	1.265	1.818	1.061	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.324	3.154	2.632			0.529	1.232	2.602	6.862	2.029	2.317	
COVID19 (COV D19 (JANSSEN))	Vaccine breakthrough infection	1.719	1.417	0.938			0.464	0.966	1.298	2.18	1.619	1.584	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.054	0.877					0.913	1.595	0.985	1.826	1.051	
COVID19 (COV D19 (JANSSEN))	Venogram	2.447	1.962	0.877				2.019	1.662	0.721	2.823	1.012	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	3.086	2.342				0.604	2.648	1.782	0.694	3.845	1.213	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.19	2.374	0.882			0.175	3.833	2.012	0.849	5.088	1.223	
COVID19 (COV D19 (JANSSEN))	White blood cell count decreased	1.736	1.317	0.882				1.65	1.538	1.645	2.004	1.217	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.376	0.833		7.937	0.895		1.208	0.512		1.322	0.941	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.59	0.86	0.878		0.661	2.091	0.747	0.566	0.375	0.595	0.568	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.36	0.928	0.884		3.677	2.722	0.109	0.044	0.42	2.395	2.463	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.057	2.011	0.878			2.245	2.006	1.951	1.568	1.9	2.115	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.944	1.019	0.882			0.594	0.927	1.352	2.213	1.925	1.507	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.051	1.072	0.88			0.667	1.509	1.695	1.946	2.01	1.573	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.29	1.735	1.513			1.017	1.715	1.782	1.879	2.04	1.983	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.847	0.881	17.415			0.407			0.463	1.325	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.741	1.221	0.884		0.915	1.153	1.446	1.717	2.053	1.859	1.586	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.159	1.727	0.901			1.058	1.756	1.956	2.346	2.124	1.964	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.752	0.752			1.933	1.35	1.867	1.73	2.275	1.765	1.728	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.02	1.313	0.89			0.866	1.539	1.729	2.202	1.999	1.77	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, December 7, 2021 6:23:13 AM
Attachments:	USST_20211203.xls

Good morning,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 12/3/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211203	US Serious EB05 20211203	US Fatal EB05 20211203	US Infant EB05 20211203	US Child EB05 20211203	US Teen EB05 20211203	US Adult1 EB05 20211203	US Adult2 EB05 20211203	US Adult3 EB05 20211203	US Female EB05 20211203	US Male EB05 20211203	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.22	1.812	0.905			0.398	1.601	2.057	1.97	2.929	1.434	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.227	1.758	0.89				1.681	2.217	2.081	2.98	1.497	
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.001	1.333	0.978			0.457	1.361	1.931	1.84	2.292	1.646	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.965	0.901	0.88			0.52	0.998	0.805	0.677	2.509	1.555	
COVID19 (COVID19 (JANSSEN))	Adverse event	2.047	1.007	0.886				0.954	0.716	0.812	1.632	1.448	
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.946	1.325	0.909				1.478	1.393	1.628	2.364	1.128	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.972	2.158	0.902			0.493	2.377	2.1	3.242	4.282	1.494	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.212	1.67	0.881			0.427	1.924	1.89	1.14	2.419	1.446	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.501	1.859	0.906			0.427	1.713	2.412	2.418	2.749	2.047	
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.816	1.498	0.898			0.371	1.192	2.322	1.155	2.17	1.305	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.357	0.849	0.878			0.566	0.884	1.773	2.095	2.159	1.898	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.228	1.585	0.954	0.612		0.433	1.864	1.987	2.407	2.787	1.646	
COVID19 (COVID19 (JANSSEN))	Areflexia	2.117	1.94	0.887				0.897	2.063	1.461	2.013	1.52	
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.976	1.27	0.879				1.205	1.172	1.545	2.948	0.946	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.919	1.551	0.891	0.61		0.332	1.206	2.547	1.672	2.375	1.298	
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.811	1.564	0.893	0.609		0.298	1.298	2.336	1.634	2.18	1.332	
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.804	1.307	0.889			0.336	1.533	1.873	1.631	2.111	1.376	
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.96	1.482	0.904			0.403	1.487	2.263	1.873	2.31	1.554	
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	2.053	1.574	0.915			0.458	1.416	2.371	1.942	2.447	1.484	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.51	2.567	0.892			0.505	1.869	2.624	0.797	4.477	1.129	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen increased	1.818	1.583	0.886			0.333	1.051	2.102	0.954	1.669	1.323	
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.917	1.536	0.916			0.279	1.222	2.138	1.646	2.533	1.207	
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.803	1.661	0.877			0.231	1.421	2.222	1.454	2.195	0.98	
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.815	1.232	0.889				1.109	2.027	1.564	1.993	1.544	
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	1.977	1.393	1.367				1.438	2.026	1.9	2.186	1.819	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.737	2.191	0.877				1.806	2.928	1.113	2.379	2.304	
COVID19 (COVID19 (JANSSEN))	CSF red blood cell count positive	2.04	1.768	0.878				1.354	1.67		1.691	1.507	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.333	1.829	0.923			0.52	1.94	1.932	1.532	3.557	1.114	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.606	1.916	0.911			0.534	1.228	1.333	1.09	3.261	0.964	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.154	1.446	0.879				1.13	1.23	1.331	2.576	1.014	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.295	2.289	0.916			0.521	2.426	2.341		3.919	1.173	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.676	1.889	0.947	0.611		0.636	2.222	2.412	2.206	3.519	1.768	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	2.008	1.421	0.902			0.394	1.667	2.007	1.777	2.219	1.515	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.109	1.577	0.917			0.461	1.454	2.133	2.149	2.446	1.674	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.613	1.834	1.007			0.458	2.143	2.293	3.139	3.247	2.014	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.839	1.454	0.896				1.273	2.34	1.607	2.15	1.272	
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.717	1.356	0.888	0.61		0.304	1.259	2.09	1.48	1.938	1.31	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.778	0.834	0.886			1.142	2.009	1.474	1.01	1.868	1.425	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.295	1.323	0.885			0.373	2.23	2.131	2.1	2.558	1.719	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.162	1.488	0.925	0.611		0.329	1.718	2.333	2.165	2.531	1.544	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.965	1.024	0.879			0.429	1.704	1.954	0.742	2.155	1.259	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.287	1.037	0.887			0.402	2.333	1.749	1.119	2.489	1.495	
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.903	1.387	0.892			0.4	1.436	1.553	1.584	2.111	1.262	
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.852	1.318	0.891				1.323	1.376		2.27	1.106	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.312	1.859	0.879				1.42	2.931	1.714	2.159	2.156	
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.857	1.365	0.914	0.607		0.429	1.407	2.113	1.789	2.22	1.456	
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.775	1.315	0.91	0.607		0.321	1.457	2.04	1.647	2.104	1.43	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.663	3.712	0.896				3.981	5.112	6.755	7.134	3.152	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.886	3.654	0.88			0.544	5.224	5.729		7.673	2.102	
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.842	1.305	0.915				1.427	1.964	1.722	2.283	1.522	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.099	1.916	0.883			0.022	1.933	2.634	1.583	2.246	1.743	
COVID19 (COVID19 (JANSSEN))	Intensive care	1.844	1.422	1.063			0.03	1.432	2.012	2.066	2.272	1.452	
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.898	1.36	0.898	0.746		0.408	1.659	2.079	1.446	2.526	1.304	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.013	1.329	0.884				1.402	2.087	1.017	2.209	1.256	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.113	1.906	0.882				1.564	1.198	0.729	2.974	0.744	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.899	1.469	0.876				1.232	2.18	1.101	1.707	1.718	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.046	1.776					0.955	2.544	1.138	1.557	1.89	
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.666	1.28	0.904			0.187	1.044	2.096	1.87	2.095	1.238	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.157	1.663	0.885			0.486	1.829	1.922	2.279	2.514	1.588	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.173	1.577	0.91	0.611		0.458	1.269	2.505	1.72	2.444	1.432	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.651	1.241	0.886			0.337	1.034	2.068	1.214	1.913	0.988	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.896	1.437	0.901			0.34	1.312	2.328	1.406	2.218	1.297	
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.048	1.473	0.949			0.484	1.012	2.116	1.698	1.955	1.74	
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.586	1.322	0.883	0.61		0.265	0.971	2.09	1.933	2.377	1.087	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.598	1.327	0.884			0.15	1.248	1.782	1.475	2.286	0.91	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.736	1.322	0.902			0.244	1.151	2.099	1.827	2.002	1.384	
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.189	0.725					0.761	0.61		1.605	0.896	
COVID19 (COVID19 (JANSSEN))	Off label use	1.339	0.239	0.88			6.71	0.275	0.394	0.324	0.842	1.265	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.753	0.758					3.122	1.003		2.17		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.535	0.868				0.511	1.687	2.302	1.142	2.558	1.424	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.211	1.633	0.879				0.656	1.064	1.883	2.637	0.962	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.779	2.485	0.922	0.61		0.469	1.841	3.139	2.199	3.136	1.856	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.898	1.407	0.905	0.609		0.291	1.591	2.125	1.511	2.209	1.49	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.734	2.006	0.894			0.388	2.038	3.081	2.23	3.387	1.704	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.06	3.506	0.88			0.964	4.466	3.609	6.226	6.249	1.824	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.304					0.964	4.059	3.449	0.682	4.576	4.014	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	2.056	1.624	0.923	0.745		0.331	1.587	2.485	1.629	2.696	1.497	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.234	1.649	1.561	0.612		0.586	1.706	2.137	2.712	2.55	1.859	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.067	1.549	0.894				1.574	1.563	1.919	1.947	1.732	
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.902	1.398	0.901	0.608		0.53	1.479	2.18	1.69	2.111	1.595	
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	2.057	1.448	0.908	0.61		0.352	1.315	2.323	1.759	2.466	1.384	
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.407	1.405	0.884			0.535	1.612	1.953	1.482	2.363	1.707	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.226	2.569	1.694			0.529	1.899	2.279	1.19	2.68	3.049	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.025	0.788	0.88			0.645	3.256	6.698	15.886	7.887	6.015	
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.376						0.635	0.572		0.568	1.025	
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.104	1.587	0.893			0.515	1.446	1.664	1.338	2.137	1.411	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.36	1.965	0.934			0.375	1.719	2.482	1.795	2.662	1.776	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.677	2.121	1.779	0.612		0.655	1.963	2.387	3.449	2.808	2.181	
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	2.294	1.286	0.884				0.955	0.766		1.237	0.68	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.216	1.806	0.879				1.779	1.208	0.841	2.084	0.908	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.437	1.464	0.899			0.648	1.912	2.193	2.484	2.785	1.726	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.746	1.914	0.908	0.612		0.527	2.328	2.291	2.971	3.226	2.135	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.515	1.733	0.898			0.446	2.318	2.023	1.826	2.484	1.894	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.888	1.097	0.881				1.27	2.031	1.73	1.964	1.237	
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.643	1.207	0.882	0.611		0.315	0.868	2.019	1.301	1.837	1.054	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.337	3.169	2.604			0.531	1.249	2.606	5.621	2.056	2.199	
COVID19 (COVID19 (JANSSEN))	Vaccine breakthrough infection	1.714	1.329	0.943			0.466	0.92	1.242	2.094	1.544	1.53	
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.054	0.876					0.915	1.599	0.984	1.828	1.053	
COVID19 (COVID19 (JANSSEN))	Venogram	2.447	1.945	0.878				2.105	1.652	0.72	2.862	1.014	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.086	2.341				0.605	2.884	1.786	0.694	3.976	1.216	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.171	2.376	0.883				3.971	1.972	0.848	5.104	1.226	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.376	0.833		7.911	0.896		1.219	0.511		1.33	0.941	
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.59	0.884	0.878		0.655		0.754	0.569	0.377	0.602	0.572	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.363	0.932	0.885		3.714		0.106	0.056	0.408	2.414	2.485	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.055	2.011	0.879			2.295	2.008	1.948	1.567	1.899	2.11	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.944	1.019	0.883			0.593	0.944	1.352	2.211	1.924	1.508	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.045	1.059	0.88			0.665	1.508	1.677	1.951	2.012	1.536	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.29	1.732	1.513		0.51	1.011	1.712	1.781	1.866	2.036	1.327	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.846	0.882	17 698			0.401			0.458	1.327	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.742	1.334	0.889		0.857	1.153	1.491	1.754	2.079	1.889	1.618	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.16	1.728	0.902			1.06	1.762	1.96	2.347	2.123	1.969	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.752	0.752			1.723	1.34	1.867	1.746	2.282	1.757	1.721	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.02	1.312	0.89			0.897	1.537	1.736	2.196	1.998	1.763	

Good morning,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 12/10/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211210	US Serious EB05 20211210	US Fatal EB05 20211210	US Infant EB05 20211210	US Child EB05 20211210	US Teen EB05 20211210	US Adult1 EB05 20211210	US Adult2 EB05 20211210	US Adult3 EB05 20211210	US Female EB05 20211210	US Male EB05 20211210	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.157	1.759	0.903			0.398	1.565	2.001	1.908	2.862	1.382	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.239	1.764	0.889				1.678	2.199	2.135	2.966	1.515	
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	1.993	1.314	0.985			0.459	1.368	1.883	1.818	2.257	1.618	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.932	0.896	0.88			0.521	0.952	0.805	0.664	2.494	1.522	
COVID19 (COVID19 (JANSSEN))	Adverse event	2.035	1.019	0.885				0.939	0.678	0.789	1.617	1.425	
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.923	1.315	0.908				1.455	1.371	1.659	2.314	1.141	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.833	2.097	0.905			0.494	2.214	2.079	2.922	4.176	1.469	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.179	1.645	0.879				1.947	1.86	1.126	2.372	1.442	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.482	1.828	0.904			0.429	1.672	2.396	2.349	2.686	2.02	
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.795	1.471	0.897			0.373	1.205	2.281	1.126	2.174	1.279	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.358	0.847	0.877			0.568	0.875	1.758	2.051	2.137	1.887	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.228	1.57	0.965	0.612		0.437	1.874	1.968	2.352	2.767	1.642	
COVID19 (COVID19 (JANSSEN))	Areflexia	2.117	1.931	0.887				0.885	2.062	1.455	2.015	1.506	
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.943	1.242	0.878				1.174	1.134	1.592	2.885	0.92	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.911	1.547	0.89	0.609		0.333	1.173	2.522	1.713	2.327	1.314	
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.806	1.557	0.89	0.609		0.3	1.276	2.307	1.675	2.151	1.341	
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.765	1.28	0.885			0.339	1.49	1.835	1.607	2.075	1.35	
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.941	1.464	0.901			0.409	1.463	2.21	1.881	2.297	1.526	
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	2.012	1.539	0.913			0.462	1.385	2.349	1.892	2.407	1.457	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.509	2.566	0.892			0.506	1.871	2.629	0.796	4.493	1.129	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen increased	1.786	1.504	0.885			0.335	1.022	2.021	0.944	1.666	1.28	
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.864	1.469	0.916			0.278	1.228	2.059	1.585	2.411	1.188	
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.764	1.605	0.875			0.237	1.424	2.137	1.417	2.182	0.95	
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	1.968	1.404	1.328				1.557	1.989	1.93	2.256	1.797	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.737	2.205	0.877				1.838	2.931	1.111	2.383	2.319	
COVID19 (COVID19 (JANSSEN))	CSF red blood cell count positive	2.034	1.765	0.877				1.355	1.669	1.105	1.684	1.508	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.319	1.804	0.926			0.52	1.918	1.932	1.503	3.48	1.126	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.685	1.967	0.911			0.529	1.184	1.332	1.197	3.723	0.943	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.185	1.584	0.878				1.13	1.229	1.327	2.734	1.014	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.267	2.323	0.926			0.522	2.357	2.377	0.813	3.977	1.214	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.642	1.869	0.958	0.611		0.638	2.342	2.395	2.195	3.471	1.755	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	2.004	1.41	0.902			0.394	1.651	2.003	1.754	2.195	1.513	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.092	1.545	0.921			0.464	1.44	2.103	2.092	2.4	1.651	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.611	1.827	1.013			0.46	2.153	2.282	3.127	3.224	2.021	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.789	1.386	0.894				1.246	2.226	1.569	2.082	1.244	
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.689	1.326	0.886	0.61		0.307	1.243	2.035	1.459	1.885	1.304	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.295	1.303	0.883			0.376	2.207	2.126	2.021	2.545	1.686	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.154	1.469	0.93	0.611		0.332	1.686	2.306	2.157	2.473	1.554	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.963	1.022	0.878			0.433	1.707	2.051	0.741	2.182	1.301	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.274	1.027	0.886			0.405	2.34	1.731	1.102	2.463	1.492	
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.874	1.36	0.891			0.4	1.435	1.55	1.537	2.124	1.236	
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.815	1.271	0.89				1.301	1.34	1.341	2.202	1.071	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.311	1.862	0.878				1.462	2.913	1.695	2.177	2.144	
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.846	1.355	0.911	0.606		0.434	1.388	2.089	1.79	2.218	1.442	
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.773	1.308	0.906	0.607		0.327	1.45	2.018	1.645	2.097	1.426	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.664	3.714	0.895				3.694	5.116	6.752	7.146	3.167	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.584	3.57	0.879			0.544	4.684	5.734	0.771	7.693	1.778	
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.838	1.309	0.917				1.489	1.94	1.736	2.277	1.524	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.105	1.921	0.882			0.024	1.926	2.637	1.565	2.292	1.733	
COVID19 (COVID19 (JANSSEN))	Intensive care	1.854	1.43	1.097			0.031	1.443	1.996	2.065	2.288	1.462	
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.878	1.332	0.896	0.746		0.409	1.644	2	1.45	2.468	1.291	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.014	1.329	0.883				1.404	2.076	1.007	2.192	1.255	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.056	1.876	0.882				1.497	1.197	0.729	2.979	0.733	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.899	1.453	0.875				1.226	2.164	1.119	1.69	1.716	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.046	1.761					0.951	2.546	1.119	1.542	1.88	
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.654	1.267	0.899			0.189	1.042	2.063	1.848	2.079	1.226	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.137	1.643	0.884			0.485	1.845	1.896	2.217	2.494	1.57	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.117	1.522	0.911	0.611		0.461	1.226	2.422	1.694	2.389	1.388	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.632	1.224	0.885			0.339	1.014	2.046	1.233	1.908	0.989	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.898	1.439	0.903			0.344	1.29	2.329	1.417	2.2	1.313	
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.075	1.48	0.95			0.485	1.008	2.128	1.672	1.95	1.753	
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.574	1.309	0.89	0.61		0.268	0.947	2.034	1.966	2.359	1.081	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.565	1.288	0.883			0.166	1.229	1.733	1.44	2.229	0.896	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.727	1.311	0.898			0.247	1.149	2.07	1.815	1.993	1.372	
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.188	0.724					0.761	0.61		1.767	0.896	
COVID19 (COVID19 (JANSSEN))	Off label use	1.34	0.232	0.88			7.058	0.757	0.629	0.421	1.051	1.544	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.752	0.76					3.134	1.003		2.17		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.522	0.865				0.512	1.689	2.381	1.14	2.579	1.494	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.206	1.642	0.879				0.656	1.063	1.849	2.618	0.962	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.779	2.439	0.921	0.61		0.47	1.869	3.144	2.139	3.165	1.813	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.901	1.414	0.904	0.608		0.292	1.591	2.138	1.518	2.208	1.503	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.735	2.015	0.894			0.393	2.05	3.029	2.244	3.376	1.708	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.062	3.496	0.879				4.482	3.633	0.682	6.265	1.838	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.305					0.97	4.053	3.445	6.104	4.524	4.055	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	2.024	1.588	0.923	0.745		0.334	1.569	2.419	1.612	2.604	1.492	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.236	1.646	1.603	0.612		0.589	1.716	2.124	2.676	2.529	1.86	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.067	1.521	0.891				1.559	1.552	1.886	1.938	1.723	
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.873	1.373	0.898	0.607		0.536	1.447	2.134	1.664	2.089	1.557	
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	2.03	1.421	0.905	0.61		0.353	1.28	2.281	1.759	2.42	1.375	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	2.386	1.342	0.884			0.53	1.648	1.928	1.457	2.407	1.668	
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	3.226	2.597	1.739			0.529	1.947	2.255	1.177	2.654	3.048	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.026	0.79	0.879			0.645	3.266	6.704	15.851	7.895	6.016	
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.372						0.635	0.571		0.568	1.025	
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.13	1.575	0.892			0.515	1.431	1.645	1.389	2.178	1.386	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.35	1.953	0.936			0.376	1.717	2.479	1.779	2.636	1.776	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.677	2.114	1.784	0.612		0.651	1.955	2.379	3.471	2.805	2.183	
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	2.913	1.556	0.886				0.954	0.766		1.236	0.68	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.18	1.786	0.879				1.727	1.208	0.641	2.035	0.908	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.425	1.443	0.898			0.65	1.935	2.183	2.408	2.787	1.708	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.738	1.899	0.907	0.612		0.525	2.37	2.258	3.229	2.988	2.134	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.47	1.714	0.901			0.444	2.281	1.969	1.838	2.459	1.852	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan	1.769	1.327	0.881	0.61			1.257	1.939	2.002	1.732	1.648	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.886	1.092	0.88				1.256	2.024	1.716	1.957	1.223	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.357	3.227	2.731			0.534	1.261	2.674	5.769	2.094	2.215	
COVID19 (COVID19 (JANSSEN))	Vaccine breakthrough infection	1.723	1.3	0.928			0.464	0.911	1.25	2.038	1.562	1.498	
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.044	0.878					0.909	1.598	0.983	1.818	1.053	
COVID19 (COVID19 (JANSSEN))	Venogram	2.447	1.969	0.877				2.202	1.632	0.72	2.87	1.06	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	3.015	2.324				0.606	2.737	1.786	0.693	3.99	1.199	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.135	2.36	0.882				3.925	1.972	0.846	5.048	1.226	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.376	0.835		7.798	0.905		1.219	0.512		1.332	0.942	
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.59	0.885	0.877		0.651	2.182	0.759	0.577	0.381	0.61	0.58	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.366	0.934	0.884		3.996	2.792	0.103	0.055	0.397	2.431	2.517	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.053	2.011	0.878			2.288	2.003	1.946	1.568	1.901	2.108	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.945	1.019	0.882			0.59	0.944	1.352	2.21	1.924	1.508	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.045	1.054	0.879			0.663	1.508	1.688	1.926	2.013	1.526	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.29	1.736	1.534		0.507	1.018	1.72	1.788	1.875	2.035	1.98	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.848	0.881	17.752			0.402			0.458	1.326	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.742	1.393	0.89		1.367	1.204	1.577	1.849	2.163	1.963	1.695	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.16	1.731	0.901		0.505	1.05	1.767	1.967	2.351	2.124	1.971	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.752	0.753	0.881		1.825	1.375	1.873	1.743	2.278	1.741	1.696	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.02	1.316	0.889			0.891	1.531	1.742	2.195	1.999	1.762	

From:	Menschik, David	
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)	
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)	
Subject:	RE: Weekly data mining	
Date:	Tuesday, December 21, 2021 10:44:00 AM	
Attachments:	USST_20211217.xls	

Good morning,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 12/17/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211217	US Serious EB05 20211217	US Fatal EB05 20211217	US Infant EB05 20211217	US Child EB05 20211217	US Teen EB05 20211217	US Adult1 EB05 20211217	US Adult2 EB05 20211217	US Adult3 EB05 20211217	US Female EB05 20211217	US Male EB05 20211217	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.128	1.747	0.902			0.401	1.535	1.991	1.94	2.861	1.376	
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.284	1.812	0.887				1.704	2.267	2.202	3.074	1.563	
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	1.987	1.319	0.984			0.461	1.35	1.893	1.821	2.229	1.639	
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.92	0.912	0.88			0.522	0.953	0.807	0.662	2.509	1.572	
COVID19 (COVID19 (JANSSEN))	Adverse event	2.028	1.029	0.883				0.961	0.672	0.785	1.597	1.515	
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.967	1.373	0.905				1.432	1.441	1.757	2.334	1.229	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.823	2.104	0.909			0.496	2.224	2.056	3.072	4.149	1.513	
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.177	1.623	0.877				1.925	1.853	1.111	2.357	1.427	
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.467	1.808	0.903			0.429	1.619	2.36	2.397	2.654	2	
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.773	1.435	0.895			0.376	1.191	2.276	1.098	2.11	1.289	
COVID19 (COVID19 (JANSSEN))	Antibody test	2.358	0.838	0.875			0.569	0.911	1.745	1.987	2.122	1.885	
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.231	1.558	0.965	0.612		0.441	1.842	1.958	2.347	2.74	1.635	
COVID19 (COVID19 (JANSSEN))	Areflexia	2.103	1.899	0.885				0.873	2.044	1.442	1.935	1.506	
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.929	1.221	0.876				1.159	1.134	1.552	2.734	0.914	
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.905	1.527	0.888	0.609		0.338	1.179	2.519	1.705	2.296	1.34	
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.776	1.521	0.888	0.609		0.305	1.238	2.285	1.67	2.125	1.324	
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.754	1.285	0.882			0.343	1.466	1.868	1.601	2.056	1.379	
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.923	1.449	0.898			0.413	1.438	2.214	1.853	2.261	1.536	
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.986	1.508	0.912			0.467	1.353	2.322	1.869	2.364	1.445	
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.41	2.516	0.89			0.507	1.783	2.65	0.786	4.465	1.106	
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.836	1.431	0.914			0.28	1.187	2.046	1.587	2.349	1.194	
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.745	1.552	0.873			0.238	1.43	2.1	1.363	2.156	0.936	
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.783	1.223	0.881				1.053	2.006	1.567	1.97	1.529	
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	1.978	1.443	1.384				1.596	2.036	1.973	2.319	1.83	
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.71	2.213	0.875				1.81	3.007	1.1	2.466	2.301	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.335	1.786	0.925			0.521	1.882	1.92	1.486	3.472	1.109	
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.75	2.005	0.91			0.53	1.31	1.307	1.486	3.968	0.931	
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.215	1.572	0.876				1.101	1.222	1.394	2.764	1.001	
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.303	2.313	0.924			0.523	2.337	2.384	0.809	3.978	1.214	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.628	1.856	0.951	0.611		0.636	2.3	2.395	2.16	3.432	1.74	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.999	1.401	0.9			0.392	1.657	1.966	1.783	2.184	1.516	
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.094	1.525	0.919			0.468	1.413	2.087	2.082	2.377	1.643	
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.608	1.805	0.98			0.462	2.118	2.277	3.027	3.171	2.008	
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.781	1.359	0.892				1.264	2.241	1.498	2.052	1.254	
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.681	1.313	0.884	0.61		0.311	1.262	2.037	1.407	1.873	1.302	
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.781	0.834	0.883			1.129	2.002	1.471	0.997	1.859	1.423	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.288	1.302	0.884			0.375	2.204	2.124	1.968	2.541	1.667	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.149	1.456	0.929	0.611		0.338	1.659	2.298	2.138	2.446	1.555	
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.96	1.011	0.876			0.437	1.693	2.019	0.734	2.148	1.302	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.289	1.069	0.887			0.406	2.35	1.771	1.164	2.453	1.561	
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.852	1.316	0.889			0.403	1.433	1.526	1.518	2.115	1.212	
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.792	1.251	0.888				1.302	1.33	1.313	2.183	1.058	
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.297	1.856	0.876				1.518	2.866	1.677	2.157	2.163	
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.837	1.344	0.909	0.606		0.44	1.368	2.111	1.759	2.191	1.452	
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.771	1.301	0.903	0.607		0.332	1.426	2.042	1.618	2.073	1.436	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.64	3.65	0.894				4.005	4.992	6.197	7.101	2.99	
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.498	3.555	0.877			0.544	4.694	5.745	0.762	7.708	1.712	
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.852	1.321	0.919				1.507	1.946	1.735	2.266	1.548	
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.115	1.927	0.88			0.025	1.958	2.65	1.531	2.319	1.748	
COVID19 (COVID19 (JANSSEN))	Intensive care	1.856	1.44	1.113			0.032	1.433	2.029	2.074	2.268	1.502	
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.879	1.325	0.894	0.747		0.413	1.613	2.008	1.444	2.458	1.291	
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.029	1.342	0.881				1.39	2.089	0.995	2.149	1.279	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	2.056	1.863	0.88				1.499	1.197	0.724	2.925	0.733	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.895	1.441	0.873				1.234	2.15	1.089	1.709	1.689	
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.023	1.812					0.99	2.656	1.112	1.685	1.829	
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.663	1.279	0.897			0.192	1.043	2.113	1.836	2.091	1.244	
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.141	1.64	0.885			0.489	1.843	1.891	2.208	2.495	1.567	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.12	1.526	0.909	0.611		0.464	1.193	2.43	1.721	2.4	1.378	
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.651	1.232	0.883			0.336	1.004	2.046	1.315	1.95	0.944	
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.874	1.417	0.901			0.349	1.251	2.331	1.418	2.144	1.335	
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.094	1.511	0.964			0.487	1.009	2.173	1.695	1.982	1.785	
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.567	1.296	0.888	0.61		0.27	0.951	2.023	1.948	2.353	1.075	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.553	1.265	0.881			0.172	1.212	1.757	1.396	2.204	0.891	
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.732	1.321	0.895			0.249	1.15	2.119	1.792	2.001	1.387	
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.188	0.725					0.761	0.611		1.956	0.895	
COVID19 (COVID19 (JANSSEN))	Off label use	1.34	0.228	0.878			7.528	1.25	1.161	0.813	1.392	1.952	
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.752	0.76					3.17	1.002		2.183		
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.522	0.864				0.513	1.677	2.304	1.131	2.511	1.479	
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.205	1.648	0.877				0.656	1.063	1.834	2.65	0.962	
COVID19 (COVID19 (JANSSEN))	Platelet count	2.782	2.458	0.919	0.61		0.472	1.886	3.107	2.578	3.194	1.838	
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.894	1.397	0.901	0.608		0.298	1.564	2.145	1.498	2.206	1.495	
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.73	1.978	0.893			0.394	2.027	2.978	2.176	3.288	1.709	
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.063	3.513	0.878				4.493	3.726	0.681	6.271	1.847	
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.305					0.977	4.068	3.443	6.177	4.557	4.085	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	2.029	1.586	0.922	0.745		0.339	1.568	2.438	1.602	2.597	1.51	
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.23	1.634	1.542	0.612		0.592	1.691	2.094	2.698	2.519	1.842	
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.056	1.557	0.894				1.603	1.605	1.923	1.957	1.781	
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.858	1.358	0.895	0.607		0.542	1.426	2.154	1.629	2.062	1.563	
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	2.017	1.407	0.903	0.61		0.357	1.241	2.32	1.728	2.369	1.402	
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.378	1.278	0.882			0.531	1.639	1.891	1.452	2.377	1.645	
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.227	2.533	1.676			0.53	2.026	2.237	1.169	2.644	3.024	
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.028	0.789	0.878			0.646	6.721	15.803		7.878	5.992	
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.373							0.636	0.572	0.568	1.024	
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.152	1.551	0.891			0.516	1.407	1.664	1.362	2.214	1.353	
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.34	1.947	0.94			0.379	1.695	2.49	1.809	2.669	1.767	
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.678	2.131	1.789	0.612		0.65	1.95	2.383	3.463	2.805	2.195	
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	2.911	2.073	0.887				0.954	0.766		1.731	0.68	
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.18	1.772	0.877				1.732	1.207	0.638	2.022	0.908	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.42	1.447	0.897			0.652	1.894	2.193	2.431	2.774	1.718	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.743	1.897	0.906	0.612		0.528	2.314	2.26		3.247	2.104	
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.469	1.692	0.904			0.446	2.267	1.951	1.838	2.455	1.824	
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.893	1.106	0.878				1.245	2.043	1.757	1.956	1.239	
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.363	3.219	2.674			0.533	1.302	2.684	5.882	2.121	2.224	
COVID19 (COVID19 (JANSSEN))	Vaccine breakthrough infection	1.734	1.273	0.934			0.464	0.881	1.227	2.022	1.552	1.481	
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.026	0.877					0.909	1.576	0.981	1.797	1.054	
COVID19 (COVID19 (JANSSEN))	Venogram	2.429	1.977	0.875				2.219	1.698	0.719	2.979	1.06	
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.994	2.312				0.607	2.759	1.787	0.686	3.977	1.195	
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.189	2.315	0.88				3.966	1.935	0.513	4.999	1.221	
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.376	0.834		7 879	0.94		1.219	0.513		1.332	0.943	
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.59	0.939	0.875		0.65	2.231	0.767	0.585	0.384	0.618	0.585	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.366	0.934	0.883		4.537	2.812	0.1	0.054	0.416	2.439	2.522	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.053	2.021	0.876			2.359	2.002	1.948	1.571	1.903	2.111	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.945	1.018	0.88			0.589	0.944	1.374	2.211	1.328	1.514	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.046	1.07	0.877			0.661	1.508	1.685	1.928	2.012	1.54	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.29	1.726	1.57		0.505	1.016	1.725	1.781	1.855	2.034	1.975	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.847	0.879	17 688			0.402			0.458	1.326	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.743	1.488	0.894		1.317	1.22	1.626	1.883	2.194	1.989	1.739	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.16	1.736	0.901			0.565	1.048	1.769	1.972	2.128	1.965	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.751	0.752			1.729	1.425	1.875	1.752	2.278	1.733	1.686	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.021	1.322	0.888			0.888	1.517	1.741	2.198	2.003	1.762	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, January 4, 2022 6:39:06 AM
Attachments:	USST_20211231.xls

Good morning,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 12/31/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20211231	US Serious EB05 20211231	US Fatal EB05 20211231	US Infant EB05 20211231	US Child EB05 20211231	US Teen EB05 20211231	US Adult1 EB05 20211231	US Adult2 EB05 20211231	US Adult3 EB05 20211231	US Female EB05 20211231	US Male EB05 20211231	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.12	1.74	0.907			0.405		1.55	1.996	2.015	2.714	1.475
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.284	1.797	0.887				1.747	2.236	2.268	3.117	1.572	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.019	1.333	0.982			0.461	1.42	1.949	1.835	2.3	1.651	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.911	0.943	0.878			0.523	0.957	0.843	0.651	2.611	1.525	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.022	1.068	0.884				0.961	0.718	0.78	1.684	1.495	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.948	1.334	0.903				1.473	1.431	1.69	2.209	1.268	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.749	2.018	0.906			0.491	2.222	2.004	2.702	3.968	1.477	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.243	1.671	0.876				1.96	1.868	1.224	2.413	1.479	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.485	1.806	0.903			0.43	1.634	2.421	2.369	2.749	1.987	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.787	1.431	0.893			0.38	1.179	2.268	1.187	2.128	1.298	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.359	0.622	0.872			0.568	0.858	1.692	1.923	2.083	1.8	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.245	1.553	0.995	0.612		0.437	1.856	1.962	2.359	2.77	1.636	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.113	1.893	0.883				0.875	2.113	1.434	1.931	1.532	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.883	1.175	0.873				1.147	1.101	1.534	2.485	0.903	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.906	1.492	0.884	0.61		0.34	1.199	2.514	1.677	2.323	1.33	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.773	1.487	0.884	0.609		0.305	1.246	2.284	1.661	2.151	1.311	
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.775	1.294	0.886			0.344	1.473	1.85	1.683	2.119	1.373	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.918	1.434	0.898			0.416	1.446	2.206	1.841	2.291	1.511	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.976	1.488	0.915			0.464	1.352	2.301	1.896	2.363	1.438	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.368	2.525	0.888			0.505	1.928	2.47	0.785	4.425	1.101	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.851	1.427	0.916			0.283	1.248	1.997	1.612	2.398	1.194	
COVID19 (COV D19 (JANSSEN))	Blood sodium increased	1.507	1.08	0.902				1.359	1.376	0.926	2.009	0.795	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.737	1.516	0.874			0.247	1.44	2.078	1.333	2.17	0.919	
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.833	1.244	0.879				1.141	2.037	1.61	2.063	1.543	
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	1.995	1.441	1.358				1.603	2.084	1.987	2.326	1.862	
COVID19 (COV D19 (JANSSEN))	CSF immunoglobulin increased	2.034	1.77					0.963	1.453	0.545	0.898	1.583	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.761	2.202	0.873				1.825	3.05	1.086	2.519	2.312	
COVID19 (COV D19 (JANSSEN))	CSF red blood cell count positive	2.004	1.724	0.873				1.305	1.751	1.081	1.742	1.46	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.357	1.729	0.92			0.518	1.876	1.891	1.49	3.436	1.087	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	3.038	2.068	0.907			0.527	1.473	2.301	1.263	4.262	0.919	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.289	1.679	0.875				1.086	1.334	1.45	2.912	1.2	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.309	2.277	0.918			0.524	2.407	2.295	0.893	3.967	1.216	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.631	1.832	0.943	0.611		0.631	2.333	2.345	2.19	3.397	1.742	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.017	1.394	0.9			0.395	1.645	2.034	1.758	2.235	1.502	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.075	1.483	0.918			0.467	1.435	2.067	2.032	2.353	1.636	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.607	1.796	0.978			0.465	2.171	2.297	3.016	3.219	2.015	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.769	1.328	0.888				1.277	2.205	1.463	2.058	1.231	
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.685	1.309	0.879	0.61		0.314	1.284	2.054	1.392	1.908	1.299	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.78	0.833	0.881			1.133	2.018	1.471	0.98	1.865	1.421	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.286	1.278	0.881			0.379	2.196	2.177	1.917	2.543	1.69	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.145	1.451	0.928	0.612		0.336	1.656	2.285	2.211	2.447	1.577	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.953	1.022	0.874			0.442	1.689	2.026	0.729	2.131	1.314	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.337	1.114	0.885			0.41	2.372	1.763	1.304	2.493	1.602	
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.865	1.328	0.889			0.407	1.428	1.559	1.585	2.209	1.205	
COVID19 (COV D19 (JANSSEN))	Glomerular filtration rate decreased	1.775	1.161	0.898				1.014	2.03	1.4	1.965	1.36	
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.845	1.28	0.892				1.517	1.303	1.379	2.309	1.105	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.301	1.85	0.873				1.516	2.927	1.689	2.2	1.2	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.848	1.343	0.909	0.607		0.442	1.368	2.106	1.797	2.227	1.446	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.782	1.3	0.902	0.608		0.332	1.422	2.052	1.644	2.105	1.429	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.616	3.658	0.892				4.036	5.197	5.876	7.239	2.96	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.499	3.567	0.875			0.545	4.728	5.768	0.761	7.744	1.713	
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.872	1.327	0.92				1.535	1.972	1.759	2.317	1.559	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.114	1.887	0.877			0.027	1.969	2.593	1.517	2.31	1.725	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.861	1.434	1.097			0.033	1.438	2.047	2.08	2.27	1.523	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.911	1.366	0.891	0.747		0.412	1.646	2.048	1.522	2.544	1.328	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.016	1.39	0.879				1.472	2.163	0.99	2.235	1.329	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.045	1.84	0.878				1.509	1.198	0.72	2.887	0.734	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.894	1.433	0.87				1.219	2.186	1.083	1.706	1.702	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.02	1.765					0.979	2.606	1.096	1.673	1.796	
COVID19 (COV D19 (JANSSEN))	Lymphocyte count decreased	1.574	1.148	0.874			0.216	1.096	1.796	1.509	2.018	1.067	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.668	1.275	0.896			0.196	1.055	2.099	1.847	2.128	1.234	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.153	1.629	0.888			0.483	1.884	1.898	2.209	2.465	1.61	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.143	1.516	0.91	0.612		0.464	1.234	2.405	1.744	2.436	1.368	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin decreased	1.645	1.224	0.882			0.335	1.035	2.006	1.318	1.96	0.922	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.87	1.391	0.902			0.35	1.247	2.28	1.45	2.155	1.323	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.088	1.518	0.977			0.486	1	2.219	1.768	1.955	1.865	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.588	1.292	0.89	0.61		0.275	0.939	2.048	1.972	2.389	1.084	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.549	1.252	0.878			0.185	1.182	1.789	1.454	2.223	0.896	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.732	1.315	0.897			0.251	1.145	2.104	1.827	2.034	1.376	
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.191	0.725					0.762	0.611		1.955	1.069	
COVID19 (COV D19 (JANSSEN))	Off label use	1.339	0.266	0.878			7.656	1.234	1.134	0.821	1.374	1.559	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.754	0.759					3.246	1.003			2.205	
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.523	0.86				0.514	1.674	2.192	1.114	2.445	1.431	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.214	1.631	0.875				0.657	1.063	1.82	2.689	0.962	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.772	2.352	0.921	0.611		0.474	1.848	3.003	2.61	3.163	1.793	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.887	1.362	0.899	0.609		0.301	1.556	2.116	1.502	2.191	1.481	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.725	1.978	0.891			0.394	2.046	2.95	2.203	3.296	1.708	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.063	3.517	0.876				4.527	3.803	0.817	6.294	2.614	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.305					0.968	4.127	3.304	5.945	4.499	4.026	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	2.038	1.598	0.92	0.746		0.342	1.584	2.469	1.652	2.689	1.517	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.222	1.606	1.508	0.612		0.596	1.703	2.059	2.677	2.507	1.824	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.047	1.601					1.687	1.601	1.878	1.986	1.799	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.881	1.367	0.897	0.608		0.548	1.432	2.143	1.696	2.12	1.556	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.033	1.409	0.905	0.611		0.349	1.273	2.338	1.726	2.369	1.427	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.403	1.362	0.88			0.532	1.691	1.915	1.415	2.396	1.678	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.228	2.434	1.038			0.531	2.308	2.316	1.207	2.647	2.015	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.03	0.786	0.876			0.646	3.595	6.692	15.662	7.823	5.922	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.377						0.637	0.572	0.568	1.019		
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.171	1.594	0.889			0.511	1.467	1.632	1.528	2.345	1.364	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.338	1.904	0.941			0.382	1.691	2.488	1.836	2.639	1.776	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.675	2.124	1.738	0.612		0.655	1.953	2.404	3.51	2.86	2.21	
COVID19 (COV D19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.406	2.205	0.887				1.182	0.766		1.87	0.681	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.289	1.868	0.875				1.944	1.209	0.637	2.2	0.909	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.402	1.429	0.896			0.655	1.879	2.202	2.43	2.78	1.714	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.748	1.888	0.915	0.612		0.528	2.438	2.275	2.927	3.312	2.106	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.494	1.72	0.9			0.446	2.215	2.016	1.875	2.48	1.842	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.88	1.098	0.876				2.049	1.715	1.929	1.269		
COVID19 (COV D19 (JANSSEN))	Urine ketone body present	1.639	1.201	0.886	0.611		0.277	1.07	1.729	1.607	2.026	0.936	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.367	3.217	2.511			0.526	1.339	2.777	6.25	2.174	2.302	
COVID19 (COV D19 (JANSSEN))	Vaccine breakthrough infection	1.727	1.265	0.938			0.466	0.901	1.202	2.087	1.613	1.467	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.027	0.872					0.899	1.639	0.973	1.823	1.056	
COVID19 (COV D19 (JANSSEN))	Venogram	2.413	1.97	0.873				2.182	1.701	0.719	3.013	1.05	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2.939	2.279				0.604	2.808	1.767	0.681	3.903	1.192	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.242	2.331	0.878				3.996	2.148	1.803	1.767		
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.976	0.833		7.828	0.938		1.218		0.512	5.161	1.208	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.591	0.948	0.873	0.605	0.644	2.299	0.77	0.592	0.387	0.627	0.589	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.364	0.928	0.881		4.819	2.824	0.096	0.051	0.399	2.446	2.526	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.052	2.046	0.874			2.32	2.001	1.948	1.569	1.9	2.11	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.945	1.018	0.878			0.588	0.944	1.386	2.218	1.937	1.523	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.046	1.071	0.875			0.691	1.491	1.685	1.926	2.008	1.529	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.29	1.758	1.678		0.562		1.732	1.747	1.821	2.027	1.966	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.846	0.878	17.903			0.402			0.458	1.347	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.744	1.587	0.894		1.279	1.237	1.733	1.969	2.294	2.057	1.837	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.16	1.741	0.898		0.608	1.069	1.776	1.94	2.29	2.104	1.935	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.752	0.752			1.664	1.419	1.884	1.767	2.285	1.721	1.677	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.021	1.347	0.887			0.883	1.529		1.74	2.202	2.002	1.773

Good morning all,

Please note we are having technical difficulties accessing our data mining and I'll forward weekly output when able. Apologies for the delay.

Best,

David

From: Menschik, David

Sent: Tuesday, January 04, 2022 6:39 AM

To: Shimabukuro, Tom (CDC) <ayv6@cdc.gov>; Su, John (CDC) <ezu2@cdc.gov>; Moro, Pedro L (CDC) <psm9@cdc.gov>

Cc: Zinderman, Craig E <Craig.Zinderman@fda.hhs.gov>; Nair, Narayan <Narayan.Nair@fda.hhs.gov>; Alimchandani, Meghna <Meghna.Alimchandani@fda.hhs.gov>; Broder, Karen R (CDC) <krb2@cdc.gov>; Harrington, Theresa (CDC) <tsh3@cdc.gov>

Subject: RE: Weekly data mining

Good morning,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 12/31/21). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	Weekly data mining
Date:	Wednesday, January 12, 2022 9:03:53 AM
Attachments:	USST_20220107.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 1/7/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220107	US Serious EB05 20220107	US Fatal EB05 20220107	US Infant EB05 20220107	US Child EB05 20220107	US Teen EB05 20220107	US Adult1 EB05 20220107	US Adult2 EB05 20220107	US Adult3 EB05 20220107	US Female EB05 20220107	US Male EB05 20220107	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.146	1.763	0.905			0.404	1.605	1.978	2.062	2.773	1.486	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.254	1.774	0.884				1.735	2.222	2.202	3.081	1.545	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.032	1.332	0.977			0.461	1.417	1.949	1.843	2.328	1.639	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.91	0.941	0.875			0.523	0.942	0.843	0.648	2.608	1.505	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.02	1.054	0.881				0.954	0.712	0.772	1.689	1.486	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.954	1.34	0.901				1.502	1.423	1.684	2.25	1.253	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.742	2.011	0.907			0.491	2.296	2.012	2.581	3.966	1.482	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.257	1.641	0.872				1.953	1.879	1.21	2.413	1.469	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.484	1.78	0.899			0.43	1.626	2.38	2.354	2.713	1.966	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.789	1.422	0.889			0.378	1.212	2.235	1.202	2.132	1.297	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.359	0.823	0.869			0.568	0.854	2.088	1.925	2.088	1.8	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.243	1.544	0.953	0.612		0.435	1.84	1.985	2.33	2.779	1.628	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.145	1.923	0.881				0.875	2.192	1.425	2.019	1.528	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.878	1.185	0.873				1.146	1.146	1.516	2.491	0.936	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.921	1.518	0.881	0.61		0.34	1.221	2.485	1.76	2.398	1.327	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.777	1.5	0.883	0.609		0.304	1.265	2.253	1.726	2.179	1.319	
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.78	1.316	0.883			0.344	1.485	1.858	1.744	2.184	1.372	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.921	1.448	0.898			0.415	1.459	2.186	1.898	2.311	1.522	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.976	1.503	0.919			0.461	1.368	2.262	1.972	2.364	1.461	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.371	2.505	0.886			0.505	1.897	2.477	0.785	4.377	1.101	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.84	1.44	0.918			0.284	1.231	1.972	1.703	2.443	1.193	
COVID19 (COV D19 (JANSSEN))	Blood potassium decreased	1.676	1.25	0.899			0.548	1.237	1.481	2.031	1.874	1.193	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.725	1.506	0.87			0.243	1.471	2.011	1.315	2.157	0.923	
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.828	1.251	0.871				1.138	2.027	1.642	2.102	1.536	
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	2	1.433	1.28				1.659	2.063	1.988	2.297	1.878	
COVID19 (COV D19 (JANSSEN))	CSF immunoglobulin increased	2.037	1.701					0.963	1.431	0.545	0.89	1.585	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.788	2.199	0.869				1.827	3.057	1.078	2.487	2.316	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.344	1.707	0.919			0.519	1.841	1.875	1.47	3.388	1.073	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	3.011	2.042	0.906			0.527	1.474	1.308	1.242	4.161	0.919	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.29	1.656	0.872			0.441	1.673	2.052	0.8	2.139	1.329	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.31	2.267	0.917			0.524	2.414	2.296	0.883	3.94	1.216	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.613	1.803	0.945	0.611		0.631	2.291	2.324	2.141	3.342	1.72	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.013	1.394	0.898			0.394	1.674	2.004	1.762	2.251	1.485	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.074	1.467	0.916			0.465	1.431	2.072	1.986	2.344	1.62	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.607	1.789	0.969			0.462	2.181	2.288	2.995	3.209	2.01	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.737	1.319	0.884				1.281	2.145	1.496	2.052	1.223	
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.708	1.35	0.877	0.61		0.314	1.326	2.022	1.526	1.982	1.316	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.78	0.838	0.879			1.13	2.002	1.466	0.976	1.854	1.415	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.286	1.253	0.878			0.379	2.192	2.148	1.903	2.531	1.673	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.14	1.444	0.926	0.612		0.333	1.657	2.27	2.193	2.438	1.573	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.959	1.037	0.87			0.441	1.673	2.052	0.8	2.139	1.329	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.313	1.101	0.883			0.411	2.293	1.763	1.294	2.485	1.57	
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.878	1.366	0.888			0.405	1.415	1.556	1.693	2.248	1.215	
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.847	1.279	0.89				1.482	1.297	1.423	2.293	1.103	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.313	1.845	0.87				1.534	2.984	1.661	2.173	2.178	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.85	1.352	0.908	0.607		0.441	1.377	2.079	1.844	2.251	1.444	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.783	1.306	0.901	0.608		0.331	1.431	2.028	1.68	2.121	1.43	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.616	3.655	0.89				4.039	5.201	5.872	7.242	2.97	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.499	3.593	0.872			0.545	4.729	5.913	0.761	7.748	2.069	
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.869	1.333	0.922				1.577	1.987	1.767	2.317	1.582	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.111	1.852	0.874			0.027	1.986	2.574	1.428	2.292	1.703	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.858	1.424	1.044			0.033	1.437	2.038	2.058	2.241	1.529	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.897	1.346	0.888	0.747		0.409	1.651	2.019	1.492	2.494	1.319	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.017	1.395	0.876				1.472	2.129	0.99	2.237	1.315	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	2.046	1.843	0.875				1.511	1.197	0.719	2.903	0.734	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.905	1.425	0.867				1.213	2.176	1.07	1.72	1.671	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.047	1.769					0.962	2.635	1.096	1.704	1.768	
COVID19 (COV D19 (JANSSEN))	Lymphocyte count decreased	1.561	1.142	0.872			0.209	1.092	1.767	1.524	2.003	1.067	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.667	1.282	0.894			0.195	1.057	2.066	1.92	2.134	1.254	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage increased	1.405	1.146	0.894	0.608			1.034	1.546	1.141	2.03	0.7	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.14	1.615	0.887			0.484	1.862	1.908	2.175	2.448	1.608	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.135	1.52	0.906	0.612		0.462	1.221	2.363	1.817	2.444	1.379	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin decreased	1.616	1.215	0.879			0.334	1.026	2.004	1.292	1.959	0.905	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.882	1.451	0.902			0.349	1.29	2.302	1.506	2.202	1.354	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.076	1.508	0.974			0.486	1	2.218	1.752	1.905	1.889	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.59	1.297	0.893	0.61		0.275	0.941	2.002	2.041	2.407	1.087	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.551	1.264	0.875			0.183	1.239	1.748	1.446	2.262	0.885	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.724	1.319	0.896			0.251	1.143	2.083	1.861	2.037	1.382	
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.194	0.724					0.762	0.611		1.958	1.068	
COVID19 (COV D19 (JANSSEN))	Off label use	1.34	0.324	0.875			7.692	1.229	1.133	0.821	1.372	1.933	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.755	0.759					3.265	1.003		2.213		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.525	0.86				0.514	1.675	2.193	1.114	2.448	1.431	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.068	1.567	0.872				0.657	1.063	1.688	2.714	0.955	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.773	2.351	0.92	0.611		0.475	1.551	3.053	2.592	3.179	1.793	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.893	1.368	0.898	0.609		0.3	1.551	2.113	1.546	2.199	1.491	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.723	2.031	0.889			0.393	2.065	2.944	2.295	3.325	1.72	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.063	3.504	0.872				4.529	3.85	0.818	6.295	2.64	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.306					0.968	4.13	3.315	9.947	4.501	4.028	
COVID19 (COV D19 (JANSSEN))	Protein total decreased	1.755	1.268	0.885	0.611		0.365	1.416	1.676	1.59	2.006	1.356	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	2.025	1.587	0.918	0.746		0.339	1.575	2.439	1.647	2.64	1.514	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.224	1.604	1.537	0.613		0.59	1.716	2.055	2.65	2.504	1.827	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.047	1.524	0.895				1.711	1.593	1.851	1.966	1.817	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.883	1.374	0.896	0.608		0.546	1.451	2.114	1.732	2.127	1.563	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.027	1.426	0.904	0.611		0.348	1.286	2.289	1.806	2.379	1.453	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.4	1.396	0.877			0.532	1.731	1.902	1.379	2.346	1.707	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.229	2.389	1.145			0.531	2.35	2.419	1.216	2.682	3.094	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.031	0.781	0.872			0.646	3.583	6.659	15.657	7.795	5.622	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.388						0.637	0.572		0.568	1.019	
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.148	1.558	0.887			0.511	1.451	1.632	1.485	2.308	1.349	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.333	1.892	0.937			0.38	1.675	2.495	1.815	2.589	1.781	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.673	2.104	1.734	0.612		0.656	1.956	2.399	3.506	2.851	2.214	
COVID19 (COV D19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.41	2.188	0.885				1.182	0.766		1.876	0.681	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.254	1.844	0.872				1.883	1.208	0.637	2.147	0.909	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.402	1.441	0.894			0.647	1.888	2.223	2.379	2.787	1.713	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.748	1.882	0.918	0.612		0.525	2.417	2.268	2.94	3.289	2.105	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.527	1.752	0.903			0.447	2.175	2.017	2.035	2.49	1.879	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.884	1.124	0.873				1.261	2.083	1.763	1.966	1.298	
COVID19 (COV D19 (JANSSEN))	Urine ketone body present	1.638	1.197	0.883	0.611		0.278	1.096	1.718	1.577	2.024	0.933	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.367	3.206	2.512			0.527	1.356	2.821	6.205	2.211	2.309	
COVID19 (COV D19 (JANSSEN))	Vaccine breakthrough infection	1.722	1.241	0.935			0.464	0.943	1.213	2.05	1.619	1.469	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.036	0.87					0.895	1.633	0.965	1.828	1.04	
COVID19 (COV D19 (JANSSEN))	Venogram	2.414	1.938	0.869				2.145	1.701	0.714	2.938	1.05	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2.942	2.269				0.604	2.82	1.766	0.677	3.872	1.192	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.173	2.309	0.875				3.944	2.101		5.041	1.208	
COVID19 (COV D19 (JANSSEN))	White blood cell count decreased	1.734	1.304	0.87			0.204	1.61	1.554	1.729	2.015	1.251	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.376	0.836	0.868	7.838	0.937		1.218	0.513		1.333	0.923	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.59	0.945	0.868	0.605	0.53	2.301	0.771	0.599	0.39	0.631	0.597	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.386	0.931	0.879		3.012	2.833	0.09	0.051	0.394	2.457	2.525	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.052	2.044	0.871			2.328	2	1.948	1.569	1.9	2.11	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.945	1.018	0.875			0.588	0.944	1.386	2.219	1.937	1.523	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.046	1.071	0.872			0.691	1.469	1.685	1.926	1.997	1.529	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.29	1.761	1.683			0.562	1.033	1.734	1.745	2.027	1.968	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.847	0.875	17.944			0.402			0.458	1.348	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.744	1.591	0.892		1.28	1.237	1.74	1.98	2.293	2.059	1.845	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.16	1.743	0.897			0.608	1.068	1.777	1.94	2.105	1.937	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.752	0.752			1.626	1.398	1.891	1.768	2.285	1.711	1.649	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.021	1.349	0.885			0.882	1.528	1.739	2.202	2.003	1.773	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Harrington, Theresa (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, January 25, 2022 6:41:14 AM
Attachments:	USST_20220121.xls

Hi All,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 1/21/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220121	US Serious EB05 20220121	US Fatal EB05 20220121	US Infant EB05 20220121	US Child EB05 20220121	US Teen EB05 20220121	US Adult1 EB05 20220121	US Adult2 EB05 20220121	US Adult3 EB05 20220121	US Female EB05 20220121	US Male EB05 20220121	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.138	1.717	0.906			0.402	1.558	1.956	2.092	2.77	1.454	
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.23	1.736	0.88				1.698	2.128	2.286	3.094	1.491	
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.04	1.327	0.999			0.457	1.423	1.986	1.809	2.312	1.641	
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.892	0.934	0.874			0.518	0.98	0.817	0.633	2.581	1.471	
COVID19 (COV D19 (JANSSEN))	Adverse event	2.022	1.07	0.88				0.926	0.763	0.765	1.755	1.516	
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.932	1.331	0.9				1.476	1.413	1.704	2.235	1.257	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.634	1.932	0.902			0.486	2.248	1.967	2.465	3.876	1.446	
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.235	1.617	0.87				1.936	1.875	1.201	2.386	1.468	
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.461	1.725	0.897			0.425	1.604	2.368	2.189	2.588	1.944	
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.826	1.46	0.89			0.375	1.227	2.241	1.324	2.186	1.318	
COVID19 (COV D19 (JANSSEN))	Antibody test	2.36	0.817	0.869			0.563	0.843	1.647	1.866	2.054	1.791	
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.241	1.55	0.974	0.612		0.432	1.809	1.998	2.398	2.838	1.616	
COVID19 (COV D19 (JANSSEN))	Areflexia	2.134	1.883	0.882				0.85	2.171	1.477	1.95	1.56	
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.843	1.18	0.871				1.145	1.194	1.47	2.581	0.918	
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.923	1.481	0.881	0.61		0.332	1.226	2.408	1.762	2.393	1.311	
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.783	1.487	0.885	0.609		0.295	1.252	2.25	1.725	2.166	1.318	
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.778	1.303	0.883			0.337	1.432	1.84	1.758	2.171	1.365	
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.895	1.402	0.896			0.406	1.431	2.127	1.852	2.274	1.476	
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.953	1.464	0.924			0.451	1.356	2.203	1.967	2.322	1.441	
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.236	2.454	0.885			0.503	1.843	2.266	0.784	4.29	1.087	
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.818	1.391	0.913			0.268	1.178	1.948	1.722	2.398	1.171	
COVID19 (COV D19 (JANSSEN))	Blood potassium decreased	1.685	1.241	0.909			0.538	1.211	1.498	2.043	1.864	1.205	
COVID19 (COV D19 (JANSSEN))	Blood sodium increased	1.526	1.09	0.904				1.331	1.465	0.95	2.024	0.827	
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.668	1.401	0.868			0.235	1.41	1.935	1.292	2.092	0.877	
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.825	1.239	0.874				1.105	2.018	1.624	2.062	1.536	
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	2.005	1.44	1.395				1.684	2.117	1.963	2.293	1.898	
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.777	2.161	0.87				1.805	2.989	1.061	2.398	2.305	
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.314	1.618	0.917			0.517	1.711	1.855	1.433	3.23	1.1	
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	3.079	2.042	0.912			0.522	1.473	1.369	1.228	4.088	0.969	
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.29	1.635	0.87				1.073	1.305	1.47	2.733	1.224	
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.246	2.193	0.907			0.519	2.293	2.259	0.878	3.926	1.191	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.597	1.76	0.945	0.611		0.622	2.193	2.32	2.123	3.252	1.721	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.011	1.398	0.895			0.387	1.707	2.009	1.735	2.234	1.514	
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.086	1.473	0.923			0.461	1.41	2.084	2.031	2.329	1.655	
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.601	1.775	0.993			0.46	2.143	2.258	3.042	3.214	1.986	
COVID19 (COV D19 (JANSSEN))	Embolic stroke	1.496	1.089	0.874				0.455	0.962	2.159	1.722	0.867	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.742	1.306	0.887				1.253	2.12	1.528	2.043	1.227	
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.719	1.352	0.881	0.61		0.306	1.292	2.037	1.561	2.006	1.295	
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.78	0.84	0.877			1.117	2.007	1.453	0.974	1.852	1.405	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.294	1.244	0.886			0.378	2.172	2.135	1.903	2.521	1.673	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.146	1.448	0.937	0.612		0.325	1.647	2.259	2.175	2.402	1.59	
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.966	1.065	0.869			0.438	1.657	2.093	0.853	2.13	1.359	
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.286	1.077	0.88			0.409	2.276	1.748	1.26	2.416	1.568	
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.877	1.33	0.887			0.4	1.385	1.57	1.7	2.189	1.237	
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.821	1.247	0.888				1.429	1.309	1.397	2.229	1.102	
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.319	1.839	0.872			0.432	1.529	2.942	1.629	2.222	2.158	
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.824	1.315	0.904	0.607		0.432	1.336	2.044	1.793	2.213	1.402	
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.776	1.28	0.91	0.608		0.325	1.4	2.003	1.648	2.107	1.395	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.59	3.587	0.889				4.037	5.161	5.862	7.294	2.836	
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.496	3.607	0.87			0.543	4.727	5.899	0.761	7.741	2.065	
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.872	1.313	0.928				1.505	1.931	1.784	2.306	1.555	
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.092	1.837	0.871			0.025	1.993	2.514	1.479	2.237	1.713	
COVID19 (COV D19 (JANSSEN))	Intensive care	1.851	1.417	1.055			0.031	1.415	2.045	2.048	2.259	1.52	
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.866	1.304	0.886	0.747		0.402	1.599	2.005	1.453	2.443	1.28	
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.016	1.306	0.875				1.441	2.078	0.963	2.186	1.273	
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	1.952	1.685	0.874				1.376	1.195	0.714	2.466	0.734	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.906	1.366	0.864				1.212	2.14	1.054	1.699	1.643	
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.049	1.736					0.998	2.583	1.087	1.693	1.744	
COVID19 (COV D19 (JANSSEN))	Lung opacity	1.686	1.209	0.923				1.233	1.633	1.734	2.07	1.404	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.689	1.27	0.895			0.184	1.022	2.074	1.923	2.105	1.263	
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage increased	1.386	1.126	0.89	0.608			1.008	1.508	1.193	2.029	0.669	
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.114	1.581	0.889			0.476	1.82	1.897	2.171	2.384	1.623	
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.124	1.495	0.9	0.612		0.459	1.213	2.318	1.836	2.441	1.362	
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.903	1.435	0.903			0.342	1.311	2.34	1.459	2.195	1.373	
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.082	1.479	0.993			0.478	0.972	2.186	1.794	1.892	1.889	
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.569	1.272	0.889	0.61		0.264	0.917	1.945	2.034	2.363	1.07	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.512	1.223	0.872			0.152	1.2	1.672	1.472	2.223	0.843	
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.729	1.313	0.9			0.243	1.112	2.088	1.865	2.017	1.387	
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.194	0.725					0.761	0.612		1.959	1.068	
COVID19 (COV D19 (JANSSEN))	Off label use	1.34	0.414	0.875			7.887	1.246	1.105	0.801	1.381	1.918	
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.754	0.76					3.273			2.213		
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.515	0.857				0.513	1.61	2.139	1.095	2.284	1.403	
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	3.063	1.553	0.87				0.657	1.061	1.69	2.715	0.954	
COVID19 (COV D19 (JANSSEN))	Platelet count	2.763	2.259	0.91	0.611		0.472	1.804	3.092	2.386	3.159	1.786	
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.874	1.317	0.896	0.609		0.297	1.483	2.077	1.513	2.171	1.442	
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.723	1.935	0.888			0 39	2.023	2.834	2.175	3.231	1.667	
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.028	3.384	0.871			0.966	4.266	2.603	0.817	6.291	1.838	
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.305					0.966	4.153	3.378	5.868	4.558	4.027	
COVID19 (COV D19 (JANSSEN))	Positive airway pressure therapy	1.781	1.334	0.936			0.611	0.973	1.873	1.713	2.004	1.629	
COVID19 (COV D19 (JANSSEN))	Protein total decreased	1.747	1.247	0.883			0.364	1.382	1.633	1.611	2.004	1.328	
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	2.031	1.558	0.919	0.746		0.334	1.54	2.459	1.642	2.663	1.496	
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.215	1.577	1.513	0.613		0.588	1.704	2.031	2.582	2.483	1.812	
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.048	1.46	0.896				1.673	1.563	1.912	1.999	1.796	
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.87	1.345	0.894	0.608		0.539	1.412	2.086	1.711	2.114	1.525	
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.003	1.38	0.895	0.611		0 34	1.281	2.273	1.734	2.368	1.402	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.354	1.354	0.876			0.531	1.717	1.865	1.443	2.405	1.638	
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.235	2.33	1.092			0.526	2.679	2.72	1.178	2.649	3.11	
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.024	0.779	0.871			0.645	3.584	6.653	15.36	7.795	5.841	
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.387							0.638	0.572	0.568	1.02	
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.141	1.516	0.886			0.508	1.429	1.588	1.564	2.31	1.337	
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.313	1.838	0.939			0.374	1.66	2.451	1.765	2.562	1.749	
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.68	2.097	1.666	0.613		0.653	1.96	2.398	3.481	2.878	2.227	
COVID19 (COV D19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.992	2.393	0.889				1.181	0.765	0.573	4.065	0.68	
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.236	1.82	0.87				1.883	1.206	0.633	2.121	0.909	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.41	1.468	0.897			0.639	1.892	2.25	2.375	2.785	1.74	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.721	1.862	0.932	0.612		0.524	2.373	2.255	2.972	3.295	2.081	
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.515	1.741	0.912			0.444	2.135	2.064	0.028	2.499	1.885	
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.884	1.115	0.871				1.26	2.085	1.791	1.948	1.341	
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.367	3.17	2.42			0.515	1.487	2.948	6.268	2.294	2.376	
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.036	0.896					0.891	1.663	1.052	1.866	1.087	
COVID19 (COV D19 (JANSSEN))	Venogram	2.361	1.878	0.87				2.002	1.681	0.708	2.846	1.04	
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2.778	2.195				0.603	2.429	1.763	0.676	3.604	1.191	
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.188	2.315	0.874				3.856	2.099	0.946	5.02	1.201	
COVID19 (COV D19 (JANSSEN))	White blood cell count decreased	1.712	1.243	0.866	7.743	0.937	0.196	1.556	1.524	1.671	2.007	1.188	
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.375	0.834					1.217		0.514	1.332	0.911	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.59	0.953	0.866	0.605	0.644	2.425	0.783	0.599	0.391	0.642	0.601	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.921	0.877		5.307	2.863	0.107	0.05	0.387	2.479	2.565	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.051	2.05	0.869			2.388	2.003	1.951	1.571	1.904	2.114	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.946	1.018	0.874			0.587	0.944	1.386	2.213	1.937	1.524	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.047	1.084	0.871		0.48	0.709	1.445	1.688	1.927	1.982	1.52	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.291	1.762	1.688		0.682	1.056	1.735	1.736	1.778	1.974	1.927	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.791	0.847	0.873	17.976			0.402			0.459	1.071	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.744	1.651	0.899		1.273	1.229	1.808	1.996	2.246	2.021	1.353	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.161	1.762	0.896		0.646	1.07	1.779	1.933	2.273	2.092	1.918	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.753	0.753			1.561	1.402	1.881	1.784	2.253	1.687	1.64	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.022	1.36	0.884			0.892	1.536	1.752	2.187	1.996	1.781	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, February 1, 2022 6:00:27 AM
Attachments:	USST_20220128.xls

Hi All,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 1/28/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220128	US Serious EB05 20220128	US Fatal EB05 20220128	US Infant EB05 20220128	US Child EB05 20220128	US Teen EB05 20220128	US Adult1 EB05 20220128	US Adult2 EB05 20220128	US Adult3 EB05 20220128	US Female EB05 20220128	US Male EB05 20220128	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.12	1.695	0.903			0.397	1.593	1.925	2.017	2.734	1.44	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.23	1.73	0.876				1.732	2.117	2.233	3.026	1.515	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.04	1.331	0.999			0.457	1.448	1.976	1.831	2.301	1.662	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.885	0.967	0.87			0.518	0.98	0.812	0.694	2.567	1.453	Other
COVID19 (COV D19 (JANSSEN))	Adverse event	2.019	1.061	0.877				0.912	0.748	0.762	1.734	1.505	Other
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.948	1.379	0.898				1.483	1.428	1.813	2.24	1.322	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.609	1.894	0.901			0.487	2.204	1.943	2.332	3.783	1.428	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.229	1.653	0.874				1.937	1.851	1.322	2.476	1.457	Not an AE
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.464	1.706	0.894			0.425	1.615	2.331	2.182	2.539	1.949	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.828	1.457	0.89			0.373	1.211	2.223	1.382	2.19	1.316	Other
COVID19 (COV D19 (JANSSEN))	Antibody test	2.359	0.824	0.866			0.564	0.836	1.659	1.923	2.074	1.799	Not an AE
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.244	1.539	0.967	0.612		0.432	1.807	2.015	2.329	2.805	1.622	Other
COVID19 (COV D19 (JANSSEN))	Areflexia	2.134	1.869	0.878				0.85		2.17	1.451	1.937	1.554	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.831	1.157	0.867				1.136	1.194	1.427	2.499	0.903	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.929	1.477	0.878	0.61		0.329	1.233	2.415	1.736	2.397	1.315	Other
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.789	1.485	0.882	0.609		0.289	1.251	2.257	1.717	2.171	1.316	Other
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.795	1.306	0.88			0.335	1.467	1.842	1.758	2.188	1.374	Other
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.889	1.392	0.894			0.402	1.425	2.118	1.836	2.27	1.461	Other
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.965	1.466	0.931			0.451	1.363	2.192	1.98	2.334	1.439	Other
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.273	2.459	0.886			0.504	1.844	2.108	0.875	4.407	1.074	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.797	1.36	0.914			0.268	1.156	1.915	1.713	2.403	1.139	Other
COVID19 (COV D19 (JANSSEN))	Blood potassium decreased	1.698	1.243	0.911			0.535	1.209	1.514	2.033	1.882	1.197	Other
COVID19 (COV D19 (JANSSEN))	Blood sodium increased	1.592	1.123	0.903				1.38	1.491	1.044	2.131	0.87	Other
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.668	1.397	0.864			0.234	1.401	1.94	1.273	2.068	0.889	Other
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.837	1.234	0.872				1.086	2.03	1.619	2.027	1.557	Other
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	2.013	1.417	1.286				1.69	2.124	1.906	2.218	1.903	Other
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.775	2.159	0.866			0.518	1.775	2.995	1.1	2.518	2.253	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.311	1.643	0.918			0.522	1.712	1.85	1.474	3.275	1.1	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.976	1.956	0.906				1.473	1.328	1.205	3.955	0.949	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.289	1.619	0.862				1.13	1.305	1.456	2.842	1.198	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.243	2.186	0.908			0.519	2.263	2.238	0.877	3.919	1.184	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.615	1.751	0.949	0.611		0.615	2.204	2.31	2.128	3.216	1.733	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	2.003	1.401	0.897			0.386	1.711	1.979	1.834	2.254	1.53	Not an AE
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.088	1.48	0.921			0.458	1.396	2.063	2.036	2.321	1.644	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.601	1.77	0.991			0.457	2.148	2.255	3.027	3.217	1.981	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Embolic stroke	1.497	1.083	0.87				0.456	0.962	2.031	1.726	0.861	Reviewed, Branch Mtg
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.769	1.323	0.885				1.257	2.165	1.539	2.079	1.24	Other
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.741	1.364	0.877	0.609		0.304	1.293	2.079	1.561	2.028	1.311	Other
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.78	0.838	0.874			1.111	2.007	1.458	0.973	1.852	1.407	Labeled
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.304	1.242	0.883			0.376	2.171	2.139	1.841	2.502	1.674	Other
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.176	1.463	0.945	0.612		0.321	1.684	2.272	2.192	2.435	1.608	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.961	1.063	0.864			0.439	1.646	2.066	0.898	2.136	1.337	Not an AE
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.285	1.075	0.877			0.409	2.278	1.747	1.26	2.416	1.568	Labeled
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.88	1.329	0.882			0.401	1.368	1.615	1.657	2.206	1.235	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.835	1.258	0.888				1.414	1.32	1.437	2.216	1.121	Other
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.329	1.844	0.872				1.536	2.989	1.62	2.251	2.165	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.838	1.314	0.904	0.606		0.428	1.353	2.055	1.769	2.212	1.409	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.788	1.28	0.905	0.607		0.321	1.419	2.009	1.634	2.104	1.404	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.589	3.592	0.885				3.951		5.16	5.868	7.291	2.742	Not an AE
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.409	3.562	0.866			0.544	4.723	5.918	0.753	7.737	1.975	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.868	1.291	0.924				1.489	1.934	1.733	2.278	1.529	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.095	1.837	0.867			0.024	1.969	2.528	1.468	2.24	1.708	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Intensive care	1.851	1.425	1.05			0.03	1.441	2.05	2.061	2.274	1.534	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.85	1.273	0.883	0.747		0.398	1.616	1.953	1.415	2.402	1.256	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.016	1.295	0.871				1.436	2.072	0.958	2.171	1.27	Not an AE
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	1.951	1.628	0.87				1.376	1.179	0.714	2.468	0.726	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.91	1.368	0.859				1.202	2.148	1.046	1.691	1.651	Not an AE
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.049	1.723					0.984	2.586	1.072	1.688	1.731	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Lung opacity	1.707	1.228	0.918				1.338	1.638	1.754	2.117	1.426	Other
COVID19 (COV D19 (JANSSEN))	Lymphocyte count decreased	1.588	1.149	0.864			0.197	1.076	1.838	1.5	2.009	1.1	Other
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.689	1.274	0.892			0.181	1.04	2.082	1.923	2.117	1.277	Other
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.117	1.578	0.893			0.476	1.823	1.887	2.182	2.372	1.633	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.126	1.491	0.9	0.612		0.454	1.212	2.33	1.817	2.423	1.378	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.89	1.413	0.899			0.338	1.3	2.307	1.457	2.17	1.364	Other
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.092	1.498	0.998			0.478	0.964	2.214	1.82	1.849	1.952	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.58	1.271	0.891	0.609		0.259	0.919	1.952	2.025	2.348	1.087	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.527	1.229	0.871			0.141	1.208	1.65	1.536	2.234	0.849	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.731	1.303	0.895			0.24	1.119	2.08	1.843	2.013	1.386	Other
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.192	0.726					0.761	0.612		1.961	1.068	Other
COVID19 (COV D19 (JANSSEN))	Off label use	1.34	0.493	0.876			7.876	1.236	1.116	0.829	1.391	1.914	Not an AE
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.753	0.761					3.279	1.001		2.214		Other
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.514	0.859				0.513	1.584	2.11	1.077	2.28	1.372	Not an AE
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	2.931	1.492	0.866				0.657	1.06	1.594	2.455	0.954	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count	2.762	2.236	0.911	0.611		0.472	1.781	3.085	2.481	3.178	1.772	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.875	1.308	0.892	0.609		0.292	1.483	2.057	1.516	2.159	1.44	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.722	1.878	0.885			0.391	2.015	2.803	2.023	3.174	1.638	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.027	3.374	0.867			0.966	4.274	2.592	0.816	6.288	1.845	Not an AE
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.305						4.159	3.381		5.873	4.55	Not an AE
COVID19 (COV D19 (JANSSEN))	Prolonged labour	1.098	1.066					3.192				1.778	Other
COVID19 (COV D19 (JANSSEN))	Protein total decreased	1.776	1.255	0.885	0.611		0.364	1.39	1.634	1.646	2.026	1.344	Other
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	2.009	1.531	0.919	0.746		0.329	1.548	2.399	1.621	2.629	1.479	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.224	1.576	1.506	0.613		0.586	1.701	2.033	2.576	2.48	1.816	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.048	1.477	0.895				1.674	1.581	1.901	1.995	1.811	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.879	1.341	0.894	0.608		0.536	1.42	2.09	1.7	2.108	1.532	Other
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.002	1.377	0.894	0.611		0.338	1.32	2.237	1.739	2.389	1.381	Other
COVID19 (COV D19 (JANSSEN))	Russell's viper venom time abnormal	1.363	1.022					2.309	0.499		1.097	0.731	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.406	1.441	0.872			0.531	1.717	1.925	1.441	2.451	1.666	Other
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.234	2.326	1.502			0.524	2.745	2.87	1.212	2.696	3.144	Other
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.022	0.781	0.867			0.646	3.584		6.704	15.368	7.823	2.846	Other
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.379						0.638	0.572	0.568	1.019	Other
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.13	1.485	0.883			0.508	1.409	1.581	1.539	2.282	1.32	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.304	1.794	0.934			0.374	1.628	2.42	1.732	2.519	1.721	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.683	2.097	1.678	0.613		0.729	1.959	2.41	3.498	2.878	2.246	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.991	2.411	0.888				1.181	0.765	0.573	4.076	0.68	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.234	1.799	0.866				1.884	1.197	0.633	2.086	0.908	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.42	1.489	0.894			0.638	1.887	2.262	2.343	2.767	1.753	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.73	1.851	0.926	0.612		0.521	2.372	2.261	2.865	3.291	2.067	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.536	1.754	0.927			0.442	2.112	2.054	2.243	2.581	1.86	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.883	1.106	0.867				1.254	2.077	1.765	1.936	1.336	Not an AE
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.367	3.159	2.504			0.501	1.486	2.945	6.191	2.289	2.418	Other
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.036	0.897					0.89	1.663	1.045	1.859	088	Labeled
COVID19 (COV D19 (JANSSEN))	Venogram	2.343	1.875	0.866				1.961	1.68	0.708	2.791	1.04	Not an AE
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2 8	2.182				0.603	2.433	1.745	0.676	3.472	1.237	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.211	2.337					3.901	2.096	0.927	5.02	1.253	Not an AE
COVID19 (COV D19 (JANSSEN))	White blood cell count decreased	1.72	1.24	0.861			0.187	1.57	1.456	1.642	2.007	1.189	Other
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.375	0.836		7.735	0.937		1.238	0.515		1.342	0.912	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.59	0.946	0.861	0.605	0.782	2.438	0.781	0.602	0.393	0.644	0.603	
COVID19 (COV D19 (MODERNA))	Mechanical urticaria	0.902	0.933				0.458	2.029	1.426	0.719	1.895	0.949	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.949	0.873			5.346	2.888	0.106	0.05	0.387	2.501	2.591	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.051	2.05	0.865			2.392	2.004	1.951	1.571	1.905	2.115	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.946	1.001	0.87				0.587	0.944	1.385	2.18	1.924	1.523	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.047	1.083	0.867		0.482	0.709	1.444	1.689	1.9	1.979	1.505	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.291	1.767	1.7	0.612	1.09	1.064	1.737	1.728	1.764	1.931	1.906	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.848	0.87	17.964			0.391			0.461	1.349	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.744	1.688	0.909	0.894		1.272	1.221	1.819	1.979	2.216	1.98	1.839	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.162	1.765	0.93		0.647	1.07	1.772	1.931	2.248	2.074	1.908	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.753	0.754	0.87		1.532	1.394	1.851	1.732	2.2	1.655	1.615	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.022	1.349	0.881			0.891	1.538	1.755	2.163	1.979	1.77	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	Weekly data mining
Date:	Tuesday, February 8, 2022 6:52:05 AM
Attachments:	USST_20220204.xls

Hi All,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 2/4/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220204	US Serious EB05 20220204	US Fatal EB05 20220204	US Infant EB05 20220204	US Child EB05 20220204	US Teen EB05 20220204	US Adult1 EB05 20220204	US Adult2 EB05 20220204	US Adult3 EB05 20220204	US Female EB05 20220204	US Male EB05 20220204	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2 091	1.681	0.906			0.397	1.58	1.9	2.043	2.681	1.451	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2 208	1.706	0.874				1.686	2.125	2.197	2.99	1.497	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.04	1.341	1.005			0.455	1.435	2.009	1.827	2.298	1.678	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2 882	0.961	0.867			0.519	0.977	0.805	0.687	2 554	1.442	Other
COVID19 (COV D19 (JANSSEN))	Adverse event	2.018	1.059	0.875				0.908	0.739	0.759	1.755	1.493	Other
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1 941	1.366	0.903				1.454	1.444	1.789	2 252	1.298	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2 597	1.89	0.904			0.487	2.178	1.993	2.225	3.773	1.416	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.196	1.586	0.871				1.895	1.817	1.299	2.43	1.421	Not an AE
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.426	1.687	0.898			0.426	1.593	2.309	2.169	2 501	1.942	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1 812	1.429	0.888			0.372	1.184	2 226	1.351	2.193	1.283	Other
COVID19 (COV D19 (JANSSEN))	Antibody test	2 359	0.807	0.86			0.563	0.834	1 651	1.889	2 028	1.757	Not an AE
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2 234	1.514	0.955	0.612		0.43	1.799	1.99	2.256	2.75	1.609	Other
COVID19 (COV D19 (JANSSEN))	Areflexia	2.133	1.835	0.876				0.819	2 234	1.434	1.855	1.572	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.81	1.141	0.864				1.135	1.186	1.404	2.424	0.895	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1 905	1.437	0.876	0.61		0.329	1.228	2 348	1.713	2.364	1.292	Other
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.789	1.466	0.883	0.609		0.287	1.237	2 238	1.713	2.162	1.313	Other
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.789	1.3	0.883			0.333	1.459	1 828	1.761	2.169	1.381	Other
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1 873	1.374	0.895			0.399	1.41	2 074	1.835	2 241	1.449	Other
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1 923	1.423	0.936			0.449	1.323	2.121	1.971	2.296	1.396	Other
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3 273	2.429	0.885			0.504	1.844	2.108	0.86	4 355	1.067	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1 835	1.386	0.915			0.267	1.173	1 932	1.752	2.482	1.158	Other
COVID19 (COV D19 (JANSSEN))	Blood potassium decreased	1 675	1.221	0.909			0.533	1.192	1.478	2.01	1.857	1.171	Other
COVID19 (COV D19 (JANSSEN))	Blood sodium increased	1 594	1.12	0.902				1.428	1.45	1.056	2.146	0.87	Other
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1 654	1.36	0.861			0.231	1.377	1 926	1.251	2 043	0.872	Other
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1 828	1.233	0.874				1.066	2 013	1.634	2 032	1.548	Other
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia			1.157				1.65	2.111	1.903	2 211	1.886	Other
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.779	2.146	0.863				1.815	2 937	1.093	2.43	2.267	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2 307	1.616	0.917			0.514	1.711	1.823	1.459	3 214	1.088	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2 883	1.966	0.912			0.522	1.445	1.387	1.203	3 881	1.002	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2 289	1.653	0.86				1.129	1.304	1.528	2 945	1.23	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3 243	2.176	0.905			0.518	2.265	2.236	0.877	3 857	1.183	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2 586	1.728	0.961	0.611		0.616	2.149	2 327	2.071	3.132	1.736	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	1 987	1.381	0.898			0.386	1.707	1 969	1.814	2.25	1.517	Not an AE
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2 078	1.432	0.921			0.458	1.376	2 045	1.979	2 288	1.618	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2 593	1.77	1.019			0.458	2.141	2 248	3.049	3 224	1.977	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Endotracheal intubation	1 925	1.396	1.216			0.379	1.324	2 075	1.761	1.92	1.828	
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1 761	1.306	0.881				1.257	2 142	1.505	2 043	1.244	Other
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.755	1.377	0.876	0.609		0.304	1.295	2 081	1.61	2 024	1.351	Other
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.78	0.836	0.871			1.109	2.012	1.452	0.968	1 848	1.413	Labeled
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2 304	1.234	0.881			0.442	2.157	2.124	1.841	2.477	1.677	Other
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.164	1.445	0.95	0.612		0.319	1.656	2.258	2.184	2.429	1.585	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1 961	1.078	0.866			0.438	1.642	2 049	0.966	2.121	1.356	Not an AE
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2 321	1.109	0.879			0.408	2.27	1.772	1.317	2 388	1.625	Labeled
COVID19 (COV D19 (JANSSEN))	Globulins increased	1 892	1.328	0.88			0.401	1.351	1 647	1.663	2 228	1.242	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1 811	1.227	0.886				1.369	1 326	1.403	2.184	1.108	Other
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2 335	1.836	0.87				1.531	2 962	1.613	2.24	2.162	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1 822	1.295	0.901	0.606		0.426	1.333	2 023	1.753	2.196	1.384	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.77	1.263	0.899	0.607		0.321	1.413	1 966	1.625	2 094	1.381	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5 565	3.55	0.883				3.871	5 208	5.262	7.103	2.85	Not an AE
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.409	3.492	0.864			0.544	4.723	5 581	0.753	7.738	1.803	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Hypoxia	1 862	1.296	0.922				1.498	1 941	1.731	2 264	1.544	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.08	1.812	0.864			0.023	1.918	2 529	1.457	2 236	1.685	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Intensive care	1 849	1.43	1.049			0.03	1.433	2.07	2.048	2 289	1.538	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1 856	1.281	0.883	0.747		0.397	1.595	1 954	1.454	2 381	1.283	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2 016	1.267	0.868				1.435	2 047	0.935	2.153	1.253	Not an AE
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	1 951	1.626	0.868				1.375	1.178	0.713	2.463	0.726	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1 906	1.359	0.857				1.208	2.127	1.036	1 698	1.639	Not an AE
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2 049	1.691					0.977	2 556	1.054	1 665	1.718	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Lung opacity	1 694	1.245	0.926				1.311	1 672	1.776	2.113	1.454	Other
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1 691	1.273	0.891			0.179	1.041	2.08	1.914	2.105	1.286	Other
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.103	1.554	0.895			0.476	1.81	1 876	2.145	2.35	1.62	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.106	1.469	0.902	0.612		0.452	1.184	2.31	1.823	2 395	1.377	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1 866	1.375	0.896			0.338	1.279	2 264	1.421	2.144	1.331	Other
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2079	1.531	1.019			0.478	0.957	2 248	1.868	1 881	1.984	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1 581	1.264	0.887	0.609		0.259	0.916	1 936	2.017	2 325	1.091	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1 526	1.217	0.868			0.136	1.191	1.64	1.543	2 231	0.833	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1 733	1.302	0.894			0.239	1.128	2 069	1.833	1 996	1.399	Other
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2 191	0.792					0.761	0.612		2 237	1.068	Other
COVID19 (COV D19 (JANSSEN))	Off label use	1.34	0.491	0.875			7.877	1.229	1.13	0.827	1 392	1.899	Not an AE
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.753	0.762					3.286		1	2 212		Other
COVID19 (COV D19 (JANSSEN))	Packed red blood cell transfusion	1.724	1.307	0.885				1.34	1 228	1.195	2 037	0.898	
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.518	0.858				0.514	1.582	2 202	1.082	2 321	1.41	Not an AE
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	2 928	1.488	0.863			0.473	0.657	1.06	1.587	2.448	0.953	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count	2.773	2.249	0.908	0.611			1.776	3 095	2 593	3.145	1.786	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1 865	1.295	0.887	0.609		0.292	1.477	2 059	1.499	2.16	1.429	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.722	1.843	0.883			0.388	2.007	2.746	1.991	3.124	1.627	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6 028	3.382	0.865			0.966	4.274	2 592	0.815	6 288	1.842	Not an AE
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1 306						4.151	3 371	5.811	4 528	4.058	Not an AE
COVID19 (COV D19 (JANSSEN))	Prolonged labour	1.098	1.066					3.193			1.774		
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1 995	1.517	0.921	0.746		0.328	1.525	2 356	1.657	2 601	1.48	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.225	1.572	1.48	0.613		0.587	1.698	2.026	2.577	2.468	1.819	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2 043	1.476	0.892				1.658	1 668	1.915	1 996	1.81	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1 844	1.31	0.891	0.608		0.531	1.378	2 044	1.675	2 066	1.495	Other
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	1 968	1.35	0.895	0.611		0.336	1.273	2 202	1.729	2 338	1.369	Other
COVID19 (COV D19 (JANSSEN))	Russell's viper venom time abnormal	1.363	1.021					2.314	0.499		1 097	0.731	
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.406	1.536	0.87			0.531	1.709	1 966	1.536	2 555	1.666	Other
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.236	2.191	1.398			0.524	3.105	2 969	1.273	2.767	3.174	Other
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7 023	0.773	0.865			0.646	3.587	6 663	14.992	7.793	5.82	Other
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.38						0.638		0.571	0.568	1.019	Other
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.126	1.452	0.88			0.509	1.399	1.57	1.517	2 257	1.306	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2 303	1.778	0.937			0.375	1.618	2 378	1.769	2.481	1.717	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis	2 682	2.088	1.669	0.613		0.73	1.959	2 394	3.492	2 864	2.242	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4 991	2.395	0.884				1.18	0.896	4.103	1.49	0.68	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2 234	1.796	0.864				1.885	1.196	0.633	2 084	0.908	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.417	1.475	0.893			0.638	1.879	2 266	2.285	2.753	1.743	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.709	1.833	0.924	0.612		0.521	2.357	2 235	2.824	3 271	2.042	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.52	1.727	0.916			0.438	2.095	2 055	2.144	2 544	1.843	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.88	1.099	0.865				1.242	2 069	1.737	1 921	1.325	Not an AE
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1 367	3.081	2.465				1.56	2 968	6.199	2 313	2.438	Other
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2 036	0.893				0.502	0.89	1 654	1.044	1 849	1.088	Labeled
COVID19 (COV D19 (JANSSEN))	Venogram	2.327	1.829	0.861				1.945	1 666	0.707	2 626	1.04	Not an AE
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2.735	2.141	0.868			0.602	2.367	1.723	0.671	3.23	1.237	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Venogram normal	4 088	2.279	0.868				3.764	2 051	0.927	4 908	1.235	Not an AE
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1 375	0.835		7.725	0.936		1.237	0.515		1 357	0.911	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.59	0.93	0.86	0.605	0.781	2.44	0.78	0.603	0.394	0.646	0.603	
COVID19 (COV D19 (MODERNA))	Mechanical urticaria	0 902	0.977				0.618	2.038	1.464	0.789	1.915	1.974	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2 365	0.983	0.873		5.553	2.9	0.105	0.049	0.386	2 513	2.607	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2 051	2.05	0.863			2 392	2.004	1.952	1.571	1 905	2.114	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1 946	0.989	0.868			0.587	0.944	1 362	2.185	1.915	1.523	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2 047	1.084	0.864		0.483	0.71	1.443	1.69	1.903	1.971	1.508	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2 291	1.77	1.697	0.612	0.726	1.065	1.721	1.731	1.759	1.935	1.912	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.848	0.867	17 941		0.391	1.818	1.989	2.231	0.455	1.351	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.744	1.695	0.91		1.273	1.223	1.818	1.989	2.231	1.995	1.852	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.162	1.763	0.893		0.649	1.07	1.773	1.929	2.248	2.071	1.913	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.753	0.755			1.512	1.388	1.854	1.743	2.197	1.65	1.606	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2 022	1.338	0.879			0.891	1.537	1.748	2.166	1.972	1.773	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, February 15, 2022 7:01:40 AM
Attachments:	USST_20220211_.xls

Hi All,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 2/11/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220211	US Serious EB05 20220211	US Fatal EB05 20220211	US Infant EB05 20220211	US Child EB05 20220211	US Teen EB05 20220211	US Adult1 EB05 20220211	US Adult2 EB05 20220211	US Adult3 EB05 20220211	US Female EB05 20220211	US Male EB05 20220211	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.091	1.683	0.91			0.397	1.595	1.944	1.98	2.684	1.472	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.194	1.686	0.872				1.692	2.098	2.162	2.915	1.499	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.058	1.334	1.012			0.454	1.4	1.993	1.845	2.262	1.694	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.871	0.961	0.865			0.518	0.977	0.807	0.688	2.557	1.474	Other
COVID19 (COV D19 (JANSSEN))	Adverse event	2.018	1.055	0.872				0.905	0.738	0.753	1.763	1.507	Other
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.924	1.366	0.902				1.443	1.463	1.786	2.192	1.326	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.574	1.891	0.903			0.485	2.18	2.011	2.2	3.719	1.444	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.173	1.542	0.869				1.884	1.802	1.273	2.393	1.407	Not an AE
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.45	1.703	0.897			0.425	1.65	2.328	2.166	2.546	1.96	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.818	1.427	0.89			0.368	1.184	2.231	1.358	2.194	1.293	Other
COVID19 (COV D19 (JANSSEN))	Antibody test	2.359	0.806	0.858			0.563	0.823	1.658	1.867	2.016	1.761	Not an AE
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.228	1.518	0.957	0.613		0.428	1.833	1.99	2.24	2.763	1.607	Other
COVID19 (COV D19 (JANSSEN))	Areflexia	2.121	1.833	0.874				0.862	2.219	1.428	1.906	1.518	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.795	1.128	0.862				1.135	1.178	1.386	2.344	0.891	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.898	1.436	0.88	0.61		0.326	1.222	2.32	1.773	2.344	1.321	Other
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.789	1.468	0.892	0.609		0.286	1.215	2.239	1.774	2.166	1.327	Other
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.785	1.297	0.888			0.33	1.469	1.812	1.767	2.135	1.403	Other
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.882	1.381	0.905			0.397	1.4	2.085	1.862	2.23	1.472	Other
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.907	1.41	0.944			0.444	1.306	2.096	1.988	2.278	1.391	Other
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.22	2.384	0.883			0.504	1.797	2.024	0.86	4.281	1.059	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.826	1.383	0.923			0.264	1.157	1.893	1.836	2.413	1.186	Other
COVID19 (COV D19 (JANSSEN))	Blood potassium decreased	1.682	1.231	0.911			0.529	1.197	1.489	2.044	1.853	1.213	Other
COVID19 (COV D19 (JANSSEN))	Blood sodium increased	1.619	1.138	0.906				1.506	1.421	1.115	2.149	0.919	Other
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.665	1.354	0.858			0.227	1.389	1.937	1.223	2.047	0.874	Other
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.832	1.246	0.878				1.075	2.002	1.681	2.029	1.584	Other
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	2.028	1.4	1.1				1.67	2.126	1.876	2.191	1.886	Other
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.752	2.118	0.861			0.514	1.773	2.924	1.083	2.485	2.21	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.307	1.612	0.918			0.522	1.702	1.826	1.454	3.2	1.089	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.882	1.97	0.912				1.448	1.39	1.204	3.902	1.004	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.278	1.635	0.857				1.12	1.305	1.522	2.99	1.211	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.242	2.18	0.904			0.518	2.267	2.238	0.877	3.863	1.185	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.567	1.704	0.956	0.612		0.616	2.149	2.317	2.013	3.078	1.723	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	1.992	1.371	0.899			0.385	1.685	1.965	1.823	2.234	1.52	Not an AE
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.085	1.443	0.925			0.458	1.408	2.043	2.006	2.287	1.654	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.586	1.767	1.014			0.457	2.141	2.246	3.02	3.225	1.964	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Endotracheal intubation	1.927	1.37	1.174			0.379	1.297	2.062	1.723	1.889	1.811	Labeled
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.763	1.308	0.882				1.268	2.078	1.594	2	1.298	Other
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.772	1.395	0.885	0.609		0.302	1.303	2.081	1.683	2.025	1.39	Other
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.779	0.843	0.869			1.106	2.01	1.455	0.964	1.844	1.414	Labeled
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.304	1.241	0.879			0.441	2.179	2.132	1.811	2.48	1.679	Other
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.17	1.453	0.966	0.612		0.316	1.669	2.248	2.434		1.59	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.958	1.092	0.863			0.435	1.631	2.038	1.03	2.118	1.361	Not an AE
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.308	1.094	0.877			0.408	2.257	1.754	1.304	2.362	1.615	Labeled
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.873	1.303	0.877			0.4	1.345	1.627	1.429	2.188	1.231	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.771	1.21	0.889				1.349	1.299	1.429	2.177	1.087	Other
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.331	1.836	0.87			0.425	1.507	2.982	1.609	2.283	2.143	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.823	1.291	0.906	0.606		0.319	1.347	2.006	1.751	2.177	1.395	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.767	1.257	0.9	0.607			1.418	1.941	1.634	2.077	1.386	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.57	3.62	0.882				4.083	5.207	5.305	7.205	2.999	Not an AE
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.408	3.498	0.861			0.544	4.722	5.62	0.752	7.733	1.821	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.88	1.3	0.924				1.469	1.96	1.749	2.248	1.573	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.095	1.797	0.861			0.022	1.91	2.515	1.457	2.251	1.665	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Intensive care	1.845	1.425	1.043			0.029	1.479	2.055	2.023	2.289	1.54	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.862	1.287	0.885	0.747		0.396	1.617	1.947	1.471	2.34	1.322	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.016	1.246	0.866				1.432	2.045	0.923	2.129	1.247	Not an AE
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	1.951	1.627	0.865				1.374	1.17	0.714	2.393	0.727	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.911	1.358	0.853				1.223	2.15	1.024	1.697	1.666	Not an AE
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.069	1.722					1.012	2.599	1.056	1.701	1.74	Not an AE
COVID19 (COV D19 (JANSSEN))	Lung opacity	1.712	1.275	0.934				1.405	1.706	1.806	2.179	1.486	Other
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.704	1.286	0.902			0.173	1.034	2.091	1.964	2.105	1.313	Other
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.09	1.536	0.894			0.476	1.792	1.878	2.108	2.328	1.815	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.096	1.476	0.911	0.612		0.451	1.211	2.288	1.852	2.357	1.435	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.863	1.372	0.895			0.337	1.266	1.965	1.426	2.137	1.332	Other
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.098	1.529	1.023			0.478	0.999	2.254	1.842	1.903	1.976	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.588	1.263	0.889	0.609		0.257	0.91	1.941	2.03	2.289	1.112	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.506	1.202	0.869			0.13	1.179	1.642	1.519	2.199	0.841	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.752	1.32	0.902			0.235	1.132	2.092	1.879	2.016	1.423	Other
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.191	0.791					0.748	0.612		2.247	1.049	Other
COVID19 (COV D19 (JANSSEN))	Off label use	1.34	0.496	0.873			7.951	1.219	1.143	0.85	1.388	1.914	Not an AE
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.753	0.761					3.285	1		2.214		Other
COVID19 (COV D19 (JANSSEN))	Packed red blood cell transfusion	1.746	1.283	0.882				1.214	1.193	1.175		2.1	0.879	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.556	0.878				0.513	1.586	2.23	1.06	2.261	1.442	Not an AE
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	2.927	1.486	0.861				0.657	1.059	1.58	2.451	0.953	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count	2.772	2.246	0.906	0.611		0.472	1.769	3.092	2.572	3.108	1.779	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.671	1.301	0.891	0.609		0.29	1.492	2.067	1.496	2.174	1.428	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.726	1.829	0.881			0.388	2.011	2.716	1.979	3.101	1.627	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.027	3.391	0.862				4.285	2.593	0.814	6.284	1.849	Not an AE
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.306					0.967	4.151	3.402	5.755	4.506	4.039	Not an AE
COVID19 (COV D19 (JANSSEN))	Prolonged labour	1.098	1.065					3.233			1.785		Other
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.994	1.518	0.929	0.746		0.325	1.523	2.337	1.697	2.534	1.519	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.229	1.568	1.471	0.613		0.584	1.723	2.01	2.567	2.468	1.817	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.044	1.5	0.891				1.66	1.564	1.971	2.086	1.826	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.84	1.302	0.897	0.608		0.529	1.38	2.028	1.672	2.04	1.505	Other
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	1.996	1.377	0.905	0.611		0.335	1.309	2.232	1.754	2.335	1.437	Other
COVID19 (COV D19 (JANSSEN))	Russell's viper venom time abnormal	1.363	1.021					2.313		0.5		1.096	0.731	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.406	1.516	0.868			0.531	1.703	1.982	1.543	2.541	1.668	Other
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.236	2.185	1.298			0.523	3.078	3.003	1.246	2.818	3.211	Other
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.023	0.773	0.862			0.646	3.586	6.667	15.026	7.795	5.828	Other
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.379						0.638		0.572	0.568	1.018	Other
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.111	1.44	0.877			0.508	1.391	1.587	1.505	2.225	1.326	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.301	1.763	0.934			0.374	1.62	2.37	1.737	2.465	1.705	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.679	2.075	1.672	0.613		0.732	1.954	2.381	3.503	2.873	2.244	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.99	3.62	0.882				1.639	0.897	0.573	5.131	0.68	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.233	1.796	0.861				1.884	1.196	0.633	2.086	0.908	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.414	1.465	0.896			0.639	1.899	2.244	2.309	2.741	1.757	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.71	1.838	0.924	0.613		0.521	2.415	2.233	2.805	3.267	2.059	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.504	1.681	0.91			0.438	2.068	2.044	2.032	2.485	1.824	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.887	1.102	0.866				1.236	2.066	1.734	1.912	1.333	Not an AE
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.367	3.071	2.462			0.501	1.574	2.969	6.15	1.827	2.446	Other
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.035	0.893					0.89	1.655	1.045	1.827		Labeled
COVID19 (COV D19 (JANSSEN))	Venogram	2.305	1.804	0.858				1.949	1.633	0.708	2.636	1.022	Not an AE
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2.69	2.122				0.602	2.37	1.694	0.671	3.245	1.224	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.087	2.279	0.866				3.765	2.05	0.927	4.91	1.233	Not an AE
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.375	0.835		7.707	0.936		1.238	0.515		0.912		
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.59	0.923	0.858	0.605	0.782	2.444	0.777	0.606	0.395	1.358	0.648	0.604
COVID19 (COV D19 (MODERNA))	Mechanical urticaria	0.901	1.017				0.64	2.061	1.494	0.79	1.931	2.007	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.984	0.872		5.644	2.917	0.101	0.049	2.528	2.616		
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.051	2.051	0.86			2.395	2.005	1.952	1.571	1.905	2.113	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.946	0.988	0.866			0.614	0.943	1.377	2.17	1.915	1.52	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.047	1.083	0.862		0.483	0.71	1.442	1.688	1.874	1.954	1.506	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.291	1.765	1.722	0.612	0.751	1.076	1.713	1.722	1.761	1.907	1.898	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.848	0.865	17.906			0.391			0.455	1.349	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.743	1.68	0.909		1.272	1.221	1.809	1.982	2.234	1.978	1.836	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.162	1.77	0.9		0.665	1.07	1.767	1.93	2.26	2.057	1.902	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.791			1.48	1.38	1.858	1.745	2.184	1.632	1.591	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.022	1.34	0.878			0.897	1.537	1.738	2.154	1.957	1.766	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, February 22, 2022 5:29:33 AM
Attachments:	USST_20220218.xls

Good morning all,

      Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 2/18/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220218	US Serious EB05 20220218	US Fatal EB05 20220218	US Infant EB05 20220218	US Child EB05 20220218	US Teen EB05 20220218	US Adult1 EB05 20220218	US Adult2 EB05 20220218	US Adult3 EB05 20220218	US Female EB05 20220218	US Male EB05 20220218	Comment
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.067	1.67	0.909			0.397	1.577	1.963	1.947	2.665	1.471	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Activated partial thromboplastin time shortened	2.186	1.687	0.873				1.683	2.12	2.144	2.918	1.504	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Acute respiratory failure	2.062	1.342	1.02			0.452	1.431	2.024	1.866	2.321	1.7	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Adverse drug reaction	2.871	0.961	0.867			0.518	0.972	0.807	0.688	2.561	1.468	Other
COVID19 (COV D19 (JANSSEN))	Adverse event	2.018	1.055	0.874				0.9	0.769	0.751	1.786	1.509	Other
COVID19 (COV D19 (JANSSEN))	Angiogram abnormal	1.924	1.363	0.903				1.444	1.457	1.789	2.18	1.328	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral abnormal	2.571	1.885	0.903			0.485	2.18	2.013	2.176	3.703	1.444	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Angiogram cerebral normal	2.157	1.505	0.871				1.878	1.777	1.249	2.383	1.378	Not an AE
COVID19 (COV D19 (JANSSEN))	Angiogram pulmonary abnormal	2.454	1.702	0.901			0.425	1.666	2.331	2.174	2.565	1.962	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Anion gap decreased	1.805	1.407	0.889			0.368	1.171	2.216	1.35	2.174	1.283	Other
COVID19 (COV D19 (JANSSEN))	Antibody test	2.359	0.818	0.859			0.563	0.815	1.677	1.92	2.044	1.765	Not an AE
COVID19 (COV D19 (JANSSEN))	Anticoagulant therapy	2.227	1.519	0.962	0.612		0.427	1.845	2.014	2.238	2.761	1.629	Other
COVID19 (COV D19 (JANSSEN))	Areflexia	2.131	1.831	0.875				0.859	2.257	1.413	1.899	1.527	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Arteriogram carotid abnormal	1.795	1.126	0.863				1.135	1.178	1.381	2.328	0.892	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Basophil count decreased	1.892	1.44	0.886	0.61		0.326	1.214	2.353	1.771	2.381	1.309	Other
COVID19 (COV D19 (JANSSEN))	Basophil percentage decreased	1.786	1.479	0.902	0.608		0.286	1.21	2.26	1.801	2.207	1.318	Other
COVID19 (COV D19 (JANSSEN))	Blood albumin decreased	1.792	1.309	0.896			0.327	1.467	1.865	1.767	2.17	1.409	Other
COVID19 (COV D19 (JANSSEN))	Blood calcium decreased	1.88	1.381	0.909			0.396	1.389	2.112	1.847	2.233	1.473	Other
COVID19 (COV D19 (JANSSEN))	Blood chloride increased	1.906	1.41	0.948			0.442	1.296	2.13	1.964	2.283	1.394	Other
COVID19 (COV D19 (JANSSEN))	Blood fibrinogen decreased	3.123	2.345	0.884			0.504	1.798	1.928	0.856	4.249	1.048	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Blood lactate dehydrogenase increased	1.604	1.253	0.878	0.612			1.095	2.003	1.153	1.597	1.369	Not an AE
COVID19 (COV D19 (JANSSEN))	Blood magnesium increased	1.818	1.384	0.925			0.263	1.14	1.935	1.818	2.433	1.187	Other
COVID19 (COV D19 (JANSSEN))	Blood potassium decreased	1.672	1.224	0.914			0.527	1.19	1.483	2.038	1.852	1.201	Other
COVID19 (COV D19 (JANSSEN))	Blood sodium decreased	1.821	1.329	0.878	0.609			1.342	2.017	1.665	1.904	1.596	Not an AE
COVID19 (COV D19 (JANSSEN))	Blood sodium increased	1.634	1.157	0.912			0.224	1.491	1.509	1.112	2.206	0.945	Other
COVID19 (COV D19 (JANSSEN))	Blood urea decreased	1.673	1.359	0.863				1.403	1.939	1.214	2.06	0.871	Other
COVID19 (COV D19 (JANSSEN))	Blood urea increased	1.842	1.257	0.881				1.083	2.052	1.682	2.068	1.319	Other
COVID19 (COV D19 (JANSSEN))	COV D-19 pneumonia	2.031	1.405	1.106				1.698	2.166	1.888	2.26	1.882	Other
COVID19 (COV D19 (JANSSEN))	CSF protein increased	2.731	2.123	0.862				1.774	2.93	1.084	2.494	2.215	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral haemorrhage	2.32	1.602	0.921			0.514	1.678	1.843	3.164		1.112	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral mass effect	2.883	1.943	0.913			0.522	1.445	1.381	1.197	3.789	1.004	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral thrombosis	2.279	1.614	0.859				1.12	1.288	1.621	3.123	1.205	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Cerebral venous sinus thrombosis	3.243	2.174	0.905			0.518	2.268	2.223	3.852		1.187	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Chest X-ray abnormal	1.771	1.27	0.93			0.349	1.321	1.859	1.79	2.019	1.557	Confounded-indication
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head abnormal	2.577	1.704	0.965	0.611		0.617	2.124	2.321	2.047	3.068	1.743	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Computerised tomogram head normal	1.988	1.362	0.901			0.385	1.693	1.96	1.804	2.236	1.509	Not an AE
COVID19 (COV D19 (JANSSEN))	Computerised tomogram thorax abnormal	2.078	1.43	0.92			0.458	1.412	2.03	1.997	2.28	1.646	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Deep vein thrombosis	2.586	1.78	1.043			0.457	2.162	2.267	3.028	3.253	1.978	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Endotracheal intubation	1.935	1.375	1.213			0.378	1.296	2.082	1.741	1.934	1.807	Labeled
COVID19 (COV D19 (JANSSEN))	Eosinophil count decreased	1.755	1.318	0.892				1.261	2.105	1.618	2.045	1.285	Other
COVID19 (COV D19 (JANSSEN))	Eosinophil percentage decreased	1.771	1.406	0.897	0.609		0.301	1.309	2.104	1.698	2.078	1.373	Other
COVID19 (COV D19 (JANSSEN))	Feeling cold	1.78	0.837	0.87			1.206	2.013	1.457	0.96	1.85	1.418	Labeled
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer	2.305	1.246	0.883			0.44	2.184	2.143	1.808	2.494	1.688	Other
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer increased	2.166	1.443	0.965	0.612		0.314	1.664	2.25	2.175	2.42	1.591	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Fibrin D dimer normal	1.958	1.107	0.865			0.434	1.63	2.109	1.03	2.139	1.382	Not an AE
COVID19 (COV D19 (JANSSEN))	Gaze palsy	2.305	1.09	0.878			0.405	2.257	1.75	1.303	2.351	1.615	Labeled
COVID19 (COV D19 (JANSSEN))	Glucose urine present	1.871	1.315	0.882			0.4	1.329	1.65	1.656	2.253	1.213	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Globulins increased	1.784	1.242	0.89				1.33	1.382	1.428	2.315	1.081	Other
COVID19 (COV D19 (JANSSEN))	Guillain-Barre syndrome	2.337	1.848	0.871				1.551	2.977	1.634	2.315	2.169	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haematocrit decreased	1.825	1.295	0.909	0.606		0.425	1.339	2.038	1.746	2.191	1.399	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Haemoglobin decreased	1.768	1.258	0.904	0.607		0.319	1.409	1.97	1.625	2.086	1.389	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.57	3.623	0.884				4.086	5.207	5.341	7.209	3.008	Not an AE
COVID19 (COV D19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.409	3.503	0.863			0.544	4.723	5.631	0.753	7.729	1.825	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Hypoxia	1.883	1.311	0.934				1.472	1.979	1.784	2.283	1.593	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Immunoglobulin therapy	2.108	1.804	0.863			0.021	1.927	2.517	1.447	2.252	1.674	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Intensive care	1.837	1.42	1.057			0.029	1.468	2.064	2.022	2.303	1.533	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio increased	1.86	1.285	0.884	0.747		0.395	1.605	1.98	1.452	2.35	1.321	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	International normalised ratio normal	2.016	1.243	0.868				1.429	2.042	0.927	2.12	1.25	Not an AE
COVID19 (COV D19 (JANSSEN))	Jugular vein thrombosis	1.951	1.627	0.867				1.374	1.171	0.714	2.408	0.727	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Lumbar puncture	1.912	1.344	0.855				1.219	2.149	1.009	1.686	1.662	Not an AE
COVID19 (COV D19 (JANSSEN))	Lumbar puncture abnormal	2.066	1.728					1.012	2.606	1.059	1.703	1.743	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Lung opacity	1.717	1.274	0.936				1.407	1.726	1.815	2.186	1.499	Other
COVID19 (COV D19 (JANSSEN))	Lymphocyte percentage decreased	1.702	1.289	0.91			0.173	1.028	2.111	1.958	2.129	1.306	Other
COVID19 (COV D19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.087	1.532	0.893			0.476	1.794	1.873	2.12	2.327	1.618	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.098	1.474	0.915	0.612		0.449	1.227	2.332	1.804	2.371	1.427	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Mean platelet volume increased	1.866	1.392	0.897			0.337	1.261	2.35	1.403	2.186	1.332	Other
COVID19 (COV D19 (JANSSEN))	Mechanical ventilation	2.104	1.55	1.05			0.477	0.995	2.285	1.888	1.974	1.961	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Monocyte percentage increased	1.581	1.259	0.889	0.609		0.257	0.905	1.945	2.013	2.296	1.105	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage decreased	1.498	1.204	0.87			0.128	1.174	1.657	1.51	2.221	0.834	Other
COVID19 (COV D19 (JANSSEN))	Neutrophil percentage increased	1.75	1.327	0.911			0.233	1.125	2.128	1.878	2.054	1.413	Other
COVID19 (COV D19 (JANSSEN))	Nonspecific reaction	2.192	0.792					0.748	0.612		2.279	1.05	Other
COVID19 (COV D19 (JANSSEN))	Off label use	1.34	0.569	0.874			8.015	1.208	1.176	0.85	1.41	1.922	Not an AE
COVID19 (COV D19 (JANSSEN))	On and off phenomenon	1.753	0.762					3.286	1		2.221		Other
COVID19 (COV D19 (JANSSEN))	Packed red blood cell transfusion	1.741	1.238	0.883				1.214	1.183	1.157	2.049	0.871	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pain assessment	2.552	0.876				0.513	1.569	2.224	1.051	2.241	1.429	Not an AE
COVID19 (COV D19 (JANSSEN))	Peripheral embolism	2.93	1.487	0.863				0.657	1.059	1.582	2.469	0.953	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count	2.773	2.243	0.908	0.611		0.472	1.805	3.05	2.519	3.122	1.781	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet count decreased	1.868	1.298	0.896	0.609		0.289	1.484	2.078	1.486	2.185	1.418	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Platelet count normal	2.726	1.841	0.882			0.388	2.046	2.716	1.984	3.118	1.641	Not an AE
COVID19 (COV D19 (JANSSEN))	Platelet factor 4	6.027	3.397	0.864				4.294	2.6	0.814	6.281	1.855	Not an AE
COVID19 (COV D19 (JANSSEN))	Poor quality product administered	1.306					0.965	3.807	2.948	4.607	4.236	3.729	Not an AE
COVID19 (COV D19 (JANSSEN))	Prolonged labour	1.098	1.064					4.181			2.651		Other
COVID19 (COV D19 (JANSSEN))	Prothrombin time prolonged	1.985	1.511	0.927	0.746		0.324	1.518	2.352	1.674	2.531	1.516	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary embolism	2.232	1.572	1.482	0.613		0.584	1.738	2.016	2.567	2.472	1.836	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Pulmonary thrombosis	2.045	1.503	0.892				1.69	1.579	2.053	2.029	2.081	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Red blood cell count decreased	1.839	1.303	0.901	0.607		0.529	1.373	2.053	1.659	2.05	1.501	Other
COVID19 (COV D19 (JANSSEN))	Red cell distribution width increased	2.004	1.381	0.914	0.611		0.333	1.329	2.265	1.735	2.386	1.428	Other
COVID19 (COV D19 (JANSSEN))	Russell's viper venom time abnormal	1.364	1.021					2.312		0.499		0.731	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Superficial vein thrombosis	2.407	1.517	0.87			0.531	1.764	1.965	1.537	2.614	1.669	Other
COVID19 (COV D19 (JANSSEN))	Suspected COV D-19	3.236	2.166	1.438			0.522	3.105	3.105	1.225	2.869	3.273	Other
COVID19 (COV D19 (JANSSEN))	Therapy non-responder	7.023	0.773	0.864			0.646	3.587	6.672	15.044	7.798	5.805	Other
COVID19 (COV D19 (JANSSEN))	Therapy partial responder	2.382						0.638		0.573	0.568	1.018	Other
COVID19 (COV D19 (JANSSEN))	Thrombectomy	2.111	1.421	0.878			0.509	1.387	1.59	1.486	2.2	1.326	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombocytopenia	2.303	1.757	0.937			0.374	1.612	2.384	1.73	2.49	1.71	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis	2.68	2.079	1.665	0.613		0.733	1.959	2.378	3.523	2.883	2.266	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.99	2.533	1.663				1.641	0.898	0.573	5.15	0.68	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Transverse sinus thrombosis	2.234	1.771	0.863				1.883	1.189	0.634	2.059	0.908	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler	2.412	1.465	0.897			0.728	1.909	2.254	2.281	2.741	1.774	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler abnormal	2.707	1.839	0.925	0.612		0.521	2.453	2.241	2.801	3.296	2.062	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Ultrasound Doppler normal	2.497	1.678	0.909			0.438	2.085	2.049	2.033	2.477	1.841	Not an AE
COVID19 (COV D19 (JANSSEN))	Ultrasound scan normal	1.887	1.101	0.868				1.227	2.063	1.724	1.902	1.328	Not an AE
COVID19 (COV D19 (JANSSEN))	Urobilinogen urine increased	1.555	1.172	0.881	0.612		0.308	0.902	2.04	1.226	1.743	1.158	Not an AE
COVID19 (COV D19 (JANSSEN))	Vaccination failure	1.367	3.059	2.43			0.497	1.602	3.015	6.18	2.388	2.477	Other
COVID19 (COV D19 (JANSSEN))	Vasodilatation	2.036	0.891					0.89	1.657		1.821	1.085	Labeled
COVID19 (COV D19 (JANSSEN))	Venogram	2.306	1.804	0.86				1.949	1.634	0.709	2.646	1.022	Not an AE
COVID19 (COV D19 (JANSSEN))	Venogram abnormal	2.678	2.115				0.602	2.372	1.696	0.669	3.222	1.224	Reviewed, Regulatory Action
COVID19 (COV D19 (JANSSEN))	Venogram normal	4.067	2.278	0.868				3.765	2.052	0.928	4.877	1.233	Not an AE
COVID19 (COV D19 (MODERNA))	Exposure via breast milk	1.374	0.835		7.698	0.936		1.238		0.514		1.005	
COVID19 (COV D19 (MODERNA))	Interchange of vaccine products	0.59	0.934	0.86	0.605	0.775	2.44	0.776	0.609	0.398	0.649	0.608	
COVID19 (COV D19 (MODERNA))	Mechanical urticaria	0.901	1.035				0.638	2.075	1.551	0.792	1.962	2.004	
COVID19 (COV D19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.984	0.874		5.793	2.931	0.105	0.048	0.383	2.533	2.632	
COVID19 (COV D19 (MODERNA))	Product dose omission issue	2.051	2.04	0.862			2.394	1.994	1.95	1.57	1.902	2.111	
COVID19 (COV D19 (PFIZER-BIONTECH))	Body height	1.946	0.988	0.868			0.639	0.943	1.377	2.157	1.903	1.52	
COVID19 (COV D19 (PFIZER-BIONTECH))	Disease recurrence	2.047	1.09	0.864	0.612	0.484	0.71	1.446	1.673	1.871	1.938	1.497	
COVID19 (COV D19 (PFIZER-BIONTECH))	Drug ineffective	2.291	1.776	0.867		0.772	1.077	1.711	1.722	1.877	1.753	1.871	
COVID19 (COV D19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.848	0.842	17.89			0.391			0.454	1.344	
COVID19 (COV D19 (PFIZER-BIONTECH))	Immunisation	1.743	1.685	0.911		1.271	1.223	1.806	1.976	2.222	1.958	1.821	
COVID19 (COV D19 (PFIZER-BIONTECH))	Investigation	2.162	1.778	0.907		0.666	1.072	1.767	1.928	2.246	2.037	1.897	
COVID19 (COV D19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.791			1.467	1.378	1.856	1.743	2.179	1.623	1.586	
COVID19 (COV D19 (PFIZER-BIONTECH))	Weight	2.022	1.345	0.879			0.898	1.54	1.746	2.143	1.95	1.769	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, March 1, 2022 5:57:24 AM
Attachments:	USST_20220225.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 2/25/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220225	US Serious EB05 20220225	US Fatal EB05 20220225	US Infant EB05 20220225	US Child EB05 20220225	US Teen EB05 20220225	US Adult1 EB05 20220225	US Adult2 EB05 20220225	US Adult3 EB05 20220225	US Female EB05 20220225	US Male EB05 20220225	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.066	1.666	0.913			0.397	1.576	1.945	1.968	2.649	1.48 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.174	1.672	0.873				1.676	2.11	2.12	2.877	1.5 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.068	1.34	1.02			0.452	1.419	2.034	1.888	2.319	1.722 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.871	0.961	0.87			0.518	0.973	0.805	0.689	2.573	1.469 Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.018	1.064	0.877				0.925	0.765	0.75	1.824	1.51 Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.913	1.35	0.901				1.437	1.452	1.777	2.157	1.326 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.556	1.881	0.902			0.485	2.134	2.015	2.138	3.674	1.437 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.154	1.522	0.873				1.874	1.811	1.242	2.373	1.407 Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.443	1.686	0.898			0.425	1.651	2.327	2.163	2.535	1.963 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.812	1.421	0.893			0.368	1.168	2.216	1.407	2.171	1.308 Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.359	0.817	0.863				0.563	0.811	1.675	1.909	2.052	1.744 Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.229	1.516	0.96	0.612		0.427	1.834	2.026	2.246	2.77	1.632 Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.118	1.809	0.876				0.86	2.258	1.385	1.884	1.519 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.78	1.112	0.865				1.109	1.178	1.366	2.258	0.885 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.89	1.431	0.886	0.61		0.325	1.21	2.339	1.771	2.36	1.314 Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.787	1.477	0.906	0.608		0.286	1.206	2.251	1.83	2.203	1.328 Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.791	1.306	0.9			0.327	1.456	1.873	1.767	2.162	1.419 Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.878	1.38	0.912			0.394	1.378	2.113	1.86	2.224	1.482 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.897	1.397	0.944			0.442	1.292	2.116	1.944	2.265	1.391 Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.124	2.342	0.886			0.504	1.803	1.926	0.857	4.253	1.048 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.836	1.391	0.926			0.263	1.14	1.961	1.812	2.462	1.193 Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.681	1.236	0.92			0.527	1.192	1.5	2.071	1.855	1.235 Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.819	1.324	0.881	0.609			1.331	2.019	1.665	1.897	1.597 Not an AE
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.652	1.162	0.912				1.476	1.532	1.135	2.148	0.998 Other
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.675	1.36	0.865			0.225	1.398	1.953	1.213	2.049	0.891 Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.854	1.257	0.89				1.068	2.044	1.711	2.087	1.59 Other
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.04	1.416	1.122				1.731	2.186	1.923	2.283	1.912 Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.715	2.108	0.866				1.762	2.937	1.077	2.482	2.2 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.32	1.623	0.922			0.514	1.681	1.883	1.448	3.168	1.145 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.857	1.885	0.912			0.522	1.409	1.383	1.174	3.703	0.993 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.279	1.609	0.862				1.12	1.281	1.617	3.124	1.205 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.243	2.168	0.907			0.517	1.483	1.719	1.684	4.426	1.189 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.775	1.27	0.929			0.348	1.329	1.876	1.791	2.033	1.564 Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.566	1.695	0.955	0.611		0.614	2.102	2.327	2.028	3.045	1.741 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.991	1.363	0.902			0.384	1.698	1.967	1.804	2.239	1.516 Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.073	1.428	0.914			0.456	1.435	2.031	1.979	2.283	1.648 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.585	1.77	0.998			0.457	2.155	2.263	3.018	3.248	1.974 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.94	1.376	1.153			0.375	1.348	2.094	1.734	1.952	1.816 Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.752	1.307	0.89				1.256	2.095	1.612	2.025	1.29 Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.773	1.408	0.902	0.609		0.301	1.301	2.098	1.734	2.077	1.384 Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.779	0.836	0.872			1.206	2.013	1.455	0.967	1.85	1.416 Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.305	1.241	0.886			0.44	2.184	2.15	1.816	2.494	1.693 Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.161	1.443	0.964	0.612		0.314	1.683	2.241	2.182	2.42	1.602 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.953	1.1	0.868			0.432	1.646	2.092	1.033	2.163	1.372 Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.305	1.09	0.881			0.405	2.36	1.752	1.302	2.353	1.608 Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.877	1.303	0.885			0.4	1.329	1.636	1.657	2.246	1.204 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.799	1.236	0.895				1.31	1.37	1.465	2.344	1.068 Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.338	1.846	0.871				1.579	2.978	1.633	2.34	2.172 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.832	1.299	0.919	0.606		0.424	1.33	2.037	1.775	2.19	1.411 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.771	1.257	0.909	0.607		0.317	1.4	1.966	1.641	2.078	1.397 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.57	3.618	0.886				4.091	5.207	5.36	7.214	3.016 Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.408	3.449	0.866			0.543	4.721	5.652	0.746	7.557	1.837 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.885	1.299	0.931				1.468	1.977	1.776	2.29	1.581 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.104	1.806	0.865			0.02	1.924	2.54	1.44	2.247	1.682 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.843	1.418	1.055			0.029	1.46	2.083	2.013	2.312	1.537 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.853	1.276	0.884	0.747		0.394	1.589	1.971	1.453	2.339	1.316 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.016	1.237	0.871				1.43	2.045	0.922	2.114	1.252 Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.917	1.522	0.869				1.374	1.155	0.709	2.414	0.714 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.906	1.341	0.858				1.216	2.163	1	1.678	1.674 Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.066	1.733					1.054	2.615	1.059	1.664	1.782 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.72	1.269	0.932			0.173	1.396	1.726	1.824	2.188	1.501 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.699	1.283	0.91			0.476	1.02	2.1	1.964	2.118	1.31 Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.09	1.534	0.898			0.476	1.802	1.88	2.127	2.319	1.632 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.1	1.479	0.921	0.612		0.449	1.248	2.317	1.842	2.386	1.444 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.887	1.391	0.9			0.336	1.285	2.345	1.445	2.231	1.336 Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.097	1.524	1.018			0.476	0.991	2.264	1.862	1.956	1.975 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.58	1.255	0.892	0.609		0.257	0.911	1.936	2.008	2.293	1.104 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.499	1.202	0.872			0.129	1.186	1.646	1.501	2.209	0.844 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.746	1.32	0.911			0.233	1.115	2.117	1.884	2.043	1.417 Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.193	0.793					0.749	0.612		2.303	1.05 Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.34	0.56	0.877				8.028	1.193	1.175	0.851	1.405	1.931 Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.754	0.762					3.297	1		2.218	Other
COVID19 (COVID19 (JANSSEN))	Packed red blood cell transfusion	1.73	1.217	0.884				1.213	1.178	1.148	0.865 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.552	0.875				0.513		1.55	2.206	1.044	2.22	1.428 Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.932	1.487	0.866				0.658	1.059	1.582	2.461	0.953 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.76	2.241	0.909	0.611		0.472	1.799	2.956	2.444	3.064	1.779 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.864	1.294	0.892	0.609		0.289	1.476	2.078	1.472	2.169	1.418 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.727	1.824	0.884			0.387	2.064	2.709	1.971	3.119	1.636 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.027	3.381	0.867				4.302	2.595	0.813	6.279	1.862 Not an AE
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.306					0.946	2.951	2.386	3.114	3.581	3.106 Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.824	1.299	0.938				1.034	1.958	1.631	2.026	1.626 Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.628	0.839	0.866		0.72	2.008	0.08	0.002	0.462	1.646	1.789
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.098	1.064					4.216			2.718	Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.976	1.497	0.928	0.746		0.323	1.513	2.326	1.692	2.527	1.508 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.23	1.581	1.444	0.613		0.584	1.752	2.037	2.568	2.475	1.863 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.045	1.477	0.894				1.679	1.572	2.02	2.088	1.872 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.842	1.303	0.906	0.607		0.529	1.364	2.053	1.673	2.046	1.51 Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	2.012	1.387	0.92	0.611		0.333	1.324	2.277	1.747	2.359	1.452 Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.364	1.02					2.324	0.499		1.096	0.731 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.398	1.5	0.872			0.531	1.811	1.968	1.543	2.606	1.711 Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.236	2.157	1.443			0.522	3.076	3.131	1.229	3.353	3.358 Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.023	0.775	0.867			0.646	3.59	6.68	15.047	7.802	5.84 Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.384						0.638		0.573	0.569	1.018 Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.108	1.432	0.88			0.508	1.381	1.582	1.543	2.198	1.35 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.301	1.76	0.941			0.372	1.604	2.38	1.773	2.476	1.741 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.681	2.08	1.666	0.613		0.734	1.977	2.395	3.516	2.902	2.287 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.99	2.524	0.886				1.651	0.899	0.574	5.186	0.68 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.235	1.753	0.866				1.886	1.19	0.63	2.038	0.908 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.417	1.476	0.908			0.728	1.925	2.25	2.309	2.754	1.779 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.714	1.836	0.924	0.612		0.521	2.448	2.242	2.853	3.311	2.061 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.509	1.704	0.92			0.438	2.121	2.053	2.101	2.522	1.855 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.887	1.097	0.871				1.226	2.04	1.727	1.327 Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.546	1.176	0.886	0.612		0.306	0.902	2.026	1.256	1.743	1.172 Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.367	3.065	2.444			0.494	1.599	3.016	6.184	2.41	2.502 Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.036	0.892					0.884	1.658	1.033	1.811	1.086 Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.306	1.795	0.863				1.942	1.622	0.709	2.634	1.015 Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.638	2.092				0.602	2.381	1.67	0.67	3.232	1.211 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.067	2.275	0.871		9.058	0.936	3.767	3.767	2.051	4.878	1.233 Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.374	0.836		9.058	0.936		1.238	0.515	0.928	1.375	0.894
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.59	0.933	0.862	0.605	1.013	2.441	0.782	0.614	0.4	0.653	0.612
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.901	1.028					0.64	0.942	1.374	0.825	2.03
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.986	0.877		5.962	2.947	0.105	0.048	0.38	2.544	2.646
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.051	2.04	0.865			2.395	1.995	1.951	1.566	1.902	2.106
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.946	0.988	0.871			0.639	0.943	0.943	1.374	2.148	1.898	1.519
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.047	1.096	0.867		0.485	0.71	1.453	1.676	1.868	1.923	1.491
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.291	1.783	1.724	0.612	0.778	1.077	1.707	1.718	1.751	1.846	1.842
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.849	0.87	17.744			0.391			0.472	1.325
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.743	1.688	0.911		1.271	1.224	1.792	1.953	2.209	1.933	1.796
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.162	1.777	0.908		0.668	1.075	1.767	1.92	2.23	2.015	1.879
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.792			1.458	1.375	1.849	1.732	2.165	1.613	1.576
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.023	1.358	0.881			0.898	1.544	1.74	2.133	1.938	1.763

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, March 8, 2022 5:23:58 AM
Attachments:	USST_20220304.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 3/4/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220304	US Serious EB05 20220304	US Fatal EB05 20220304	US Infant EB05 20220304	US Child EB05 20220304	US Teen EB05 20220304	US Adult1 EB05 20220304	US Adult2 EB05 20220304	US Adult3 EB05 20220304	US Female EB05 20220304	US Male EB05 20220304	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.086	1.705	0.933			0.392	1.606	1.941	2.093	2.744		1.504 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.163	1.652	0.872				1.673	2.105	2.082	2.851		1.489 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.07	1.341	1.024			0.449	1.444	2.043	1.93	2.376		1.734 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.859	0.956	0.871			0.518	0.974	0.804	0.686	2.588		1.471 Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.018	1.08	0.878				0.924	0.769	0.737	1.848		1.508 Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.909	1.321	0.9				1.436	1.437	1.755	2.151		1.307 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.535	1.872	0.901			0.485	2.134	2.053	2.082	3.627		1.476 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.166	1.548	0.875				1.854	1.805	1.36	2.347		1.47 Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.454	1.686	0.898			0.423	1.683	2.325	2.199	2.519		2.002 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.788	1.4	0.893			0.367	1.171	2.209	1.385	2.143		1.308 Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.371	0.824	0.864			0.561	0.818	1.666	1.87	2.033		1.755 Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.237	1.517	0.972	0.613		0.427	1.839	2.034	2.293	2.783		1.666 Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.109	1.82	0.883				0.861	2.388	1.351	2.022		1.513 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.757	1.13	0.868				1.111	1.282	1.344	2.316		0.918 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.916	1.45	0.894	0.61		0.325	1.226	2.404	1.763	2.395		1.334 Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.805	1.489	0.915	0.609		0.285	1.204	2.305	1.833	2.215		1.353 Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.803	1.329	0.919			0.326	1.476	1.896	1.832	2.178		1.474 Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.893	1.4	0.932			0.392	1.406	2.14	1.9	2.246		1.52 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.834	1.251	0.902				1.083	2.032	1.453	1.936		1.506
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.887	1.402	0.961			0.439	1.292	2.008	2.007	2.267		1.41 Other
COVID19 (COVID19 (JANSSEN))	Blood creatinine decreased	1.706	1.35	0.861	0.607		0.371	1.216	1.822	1.572	2.006		0.948
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.094	2.332	0.887			0.503	1.804	1.926	0.853	4.257		1.045 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood lactate dehydrogenase increased	1.631	1.257	0.88	0.613			1.097	2.02	1.19	1.609		1.391 Not an AE
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.849	1.407	0.93			0.263	1.134	1.988	1.844	2.545		1.189 Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.687	1.25	0.936			0.527	1.225	1.518	2.083	1.872		1.268 Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.832	1.334	0.885	0.609			1.367	2.05	1.661	1.916		1.617 Not an AE
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.65	1.178	0.918				1.478	1.517	1.225	2.167		1.04 Other
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.696	1.387	0.873			0.225	1.429	1.989	1.205	2.063		0.926 Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.871	1.282	0.908				1.088	2.068	1.775	2.112		1.644 Other
COVID19 (COVID19 (JANSSEN))	Breath sounds abnormal	1.747	1.287	0.904				1.157	2	1.458	1.651		1.646
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.046	1.417	1.148				1.736	2.207	1.976	2.315		1.95 Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.692	2.121	0.867				1.765	3.013	1.075	2.594		2.216 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.329	1.639	0.928			0.513	1.684	1.947	1.455	3.282		1.171 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.971	2.031	0.932			0.521	1.412	1.667	1.18	3.959		1.124 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.297	1.634	0.866				1.121	1.277	1.618	3.218		1.216 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.242	2.197	0.909			0.517	2.256	2.33	0.879	3.911		1.244 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.775	1.273	0.936			0.346	1.36	1.899	1.813	2.054		1.591 Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.564	1.696	0.978	0.612		0.612	2.109	2.356	2.033	3.064		1.757 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.985	1.358	0.901			0.382	1.698	1.969	1.819	2.24		1.525 Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.074	1.425	0.921			0.455	1.448	2.044	2.001	2.296		1.666 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.594	1.17	0.957				1.115	1.566	1.516	2.015		1.499
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.586	1.774	0.998			0.458	2.167	2.281	3.008	3.267		1.996 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.941	1.408	1.281			0.373	1.375	2.129	1.851	2.029		1.871 Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.771	1.318	0.894				1.273	2.142	1.605	2.044		1.312 Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.787	1.425	0.911	0.61		0.301	1.306	2.146	1.747	2.088		1.42 Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.779	0.844	0.877			1.208	2.012	1.46	0.977	1.851		1.428 Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.304	1.3	0.89			0.438	2.212	2.194	1.928	2.551		1.752 Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.169	1.463	0.972	0.612		0.31	1.713	2.262	2.211	2.462		1.613 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.952	1.096	0.869			0.43	1.645	2.095	1.028	2.157		1.372 Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.304	1.084	0.881			0.404	2.258	1.756	1.289	2.342		1.606 Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.898	1.33	0.892			0.399	1.31	1.689	1.718	2.267		1.241 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glomerular filtration rate decreased	1.772	1.171	0.932				1.043	1.962	1.531	2.007		1.396
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.808	1.275	0.898				1.312	1.484	1.439	2.408		1.118 Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.327	1.839	0.875				1.584	2.983	1.628	2.369		2.16 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.836	1.309	0.938	0.606		0.42	1.347	2.045	1.812	2.215		1.428 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.779	1.269	0.934	0.606		0.315	1.415	1.977	1.692	2.102		1.425 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.527	3.546	0.886				4.034	5.403	4.702	7.268		3.348 Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.325	3.419	0.887			0.543	4.723	5.688	0.741	7.571		1.778 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.892	1.303	0.931				1.474	2.006	1.81	2.33		1.603 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.096	1.792	0.866			0.02	1.91	2.546	1.431	2.232		1.71 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.844	1.42	1.076			0.028	1.461	2.099	2.04	2.335		1.549 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.854	1.281	0.892	0.747		0.392	1.615	1.956	1.487	2.359		1.326 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.016	1.224	0.872				1.429	2.041	0.923	2.116		1.247 Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.916	1.485	0.871				1.36	1.157	0.709	2.364		0.715 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.914	1.36	0.859				1.218	2.175	1.05	1.676		1.709 Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.086	1.728					1.051	2.652	1.052	1.729		1.77 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.739	1.28	0.942				1.399	1.755	1.884	2.25		1.527 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.702	1.287	0.92			0.172	1.03	2.112	1.965	2.114		1.33 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.362	1.117	0.895	0.607			1.023	1.535	1.18	2.009		0.684 Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.092	1.548	0.909			0.473	1.805	1.913	2.174	2.351		1.657 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.112	1.513	0.937	0.612		0.446	1.263	2.321	1.944	2.403		1.516 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.903	1.425	0.91			0.336	1.283	2.379	1.536	2.235		1.401 Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.098	1.533	1.014			0.473	0.989	2.272	1.935	2.003		1.996 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.584	1.271	0.901	0.609		0.255	0.927	1.968	2.027	2.301		1.132 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.525	1.234	0.881			0.129	1.19	1.704	1.58	2.278		0.865 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.752	1.328	0.922			0.233	1.128	2.136	1.893	2.046		1.442 Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.19	0.792					0.744	0.612		2.712		1.052 Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.339	0.538	0.879			8.033	1.205	1.191	0.878	1.418		1.928 Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.753	0.762					3.281	1.001		2.215		Other
COVID19 (COVID19 (JANSSEN))	Packed red blood cell transfusion	1.771	1.281	0.885				1.214	1.18	1.289	2.135		0.922 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.551	0.868				0.513	1.539	2.216	1.038	2.232		1.401 Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.925	1.414	0.867				0.657	1.052	1.578	2.236		0.953 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.767	2.259	0.91	0.611		0.471	1.809	3.014	2.395	3.089		1.873 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.868	1.304	0.906	0.608		0.288	1.488	2.074	1.523	2.177		1.444 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.727	1.82	0.887			0.386	2.063	2.711	2.023	3.134		1.643 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.027	3.384	0.868				4.319	2.578	0.814	6.279		1.862 Not an AE
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.306					0.942	2.133	1.758	1.596	2.527		2.268 Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.81	1.204	0.937				1.037	1.981	1.650	2.082		1.629 Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.628	0.837	0.868		0.72	2.006	0.081	0.002	0.461	1.846		1.789
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.008	1.066					4.243			2.774		Other
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.76	1.261	0.908	0.61		0.355	1.411	1.654	1.703	2.01		1.415 Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.975	1.495	0.933	0.746		0.316	1.523	2.337	1.694	2.539		1.503 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.233	1.585	1.469	0.613		0.582	1.761	2.058	2.562	2.487		1.889 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.044	1.468	0.897				1.685	1.562	2.017	2.111		1.867 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.844	1.313	0.925	0.607		0.527	1.37	2.06	1.712	2.055		1.534 Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	2.019	1.398	0.926	0.611		0.33	1.33	2.276	1.797	2.358		1.491 Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.363	1.02					2.306	0.499		1.096		0.731 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.307	1.495	0.873			0.53	1.814	1.959	1.525	2.596		1.701 Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.23	2.148	1.485			0.522	3.076	3.213	1.27	2.967		3.466 Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.022	0.767	0.869			0.645	3.586	6.631	15.064	7.775		5.826 Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.378							0.637	0.571	0.988		1.017 Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.108	1.421	0.882			0.508	1.384	1.588	1.539	2.2		1.352 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.303	1.752	0.939			0.372	1.612	2.387	1.764	2.472		1.745 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.683	2.085	1.701	0.613		0.729	1.977	2.394	3.535	2.907		2.302 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.989	2.663	0.887				1.654	1.355	0.572	5.757		1.238 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.233	1.75	0.868				1.882	1.192	0.629	3.042		0.908 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.411	1.477	0.907			0.728	1.948	2.253	2.285	2.754		1.784 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.709	1.831	0.928	0.612		0.52	2.449	2.243	2.851	3.312		2.086 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.509	1.696	0.918			0.437	2.152	2.042	2.107	2.511		1.88 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.885	1.09	0.871				1.242	2.038	1.72	1.882		1.351 Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.543	1.176	0.887	0.612		0.305	0.895	2.005	1.225	1.719		1.205 Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.367	3.097	2.494			0.495	1.613	3.05	6.265	2.436		2.597 Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.576	0.912					1.296	1.284	0.802	2.097		0.772
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.035	0.896					0.882	1.683	1.037	1.811		1.088 Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.284	1.77	0.865				1.944	1.609	0.71	2.64		1.008 Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.621	2.083				0.602	2.377	1.673	0.665	3.235		1.208 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.067	2.275	0.872				3.768	2.051	0.909	4.88		1.234 Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.374	0.83		11.346	0.935		1.267	0.514		1.422		1.016
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.59	0.906	0.864	0.605	1.018	2.439	0.78	0.615	0.406	0.653		0.619
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.901	1.072				0.621	2.036	1.528	0.816	1.962		1.922
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.987	0.878		5.943	2.955	0.103	0.047	0.378	2.549		2.654
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.05	2.04	0.867			2.662	2.034	2.008	1.593	1.985		2.19
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.947	0.988	0.872			0.641	0.944	1.395	2.169	1.914		1.535
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.048	1.114	0.868		0.486	0.711	1.462	1.687	1.88	1.937		1.506
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.292	1.783	1.737	0.612	0.781	1.086	1.721	1.733	1.758	1.872		1.872
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.863	0.871	17.407			0.375			0.47		1.258
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.744	1.679	0.912		1.271	1.232	1.813	1.98	2.244	1.973		1.834
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.162	1.779	0.92		0.669	1.078	1.781	1.936	2.252	2.035		1.892
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.792			1.454	1.370	1.857	1.742	2.181	1.617		1.58
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.023	1.357	0.883			0.9	1.537	1.75	2.139	1.94		1.773

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, March 15, 2022 6:22:15 AM
Attachments:	USST_20220311.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 3/11/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220311	US Serious EB05 20220311	US Fatal EB05 20220311	US Infant EB05 20220311	US Child EB05 20220311	US Teen EB05 20220311	US Adult1 EB05 20220311	US Adult2 EB05 20220311	US Adult3 EB05 20220311	US Female EB05 20220311	US Male EB05 20220311	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.08	1.683	0.937			0.392	1.593	1.929	2.08	2.718		1.49 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.15	1.632	0.871				1.646	2.111	2.05	2.807		1.476 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.074	1.338	1.019			0.449	1.473	2.043	1.934	2.342		1.761 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.853	0.953	0.873			0.517	0.974	0.799	0.686	2.607		1.472 Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.017	1.083	0.879				0.923	0.77	0.736	1.844		1.51 Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.918	1.324	0.9				1.429	1.465	1.743	2.17		1.335 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.529	1.865	0.901			0.484	2.133	2.043	2.087	3.6		1.478 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.175	1.555	0.877				1.855	1.828	1.35	2.358		1.47 Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.446	1.674	0.897			0.423	1.661	2.323	2.189	2.486		2.001 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.799	1.406	0.901			0.366	1.163	2.198	1.446	2.136		1.321 Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.37	0.823	0.866			0.559	0.819	1.648	1.857	2.033		1.74 Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.232	1.51	0.967	0.613		0.425	1.837	2.037	2.28	2.764		1.673 Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.084	1.793	0.884				0.862	2.349	1.336	2.011		1.497 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.747	1.124	0.87				1.111	1.274	1.342	2.265		0.919 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.919	1.472	0.905	0.61		0.374	1.21	2.404	1.832	2.405		1.361 Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.806	1.482	0.923	0.608		0.281	1.18	2.298	1.873	2.216		1.35 Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.799	1.316	0.923			0.324	1.469	1.86	1.839	2.178		1.454 Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.892	1.396	0.937			0.393	1.394	2.133	1.921	2.25		1.52 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.829	1.242	0.903				1.068	2.001	1.487	1.891		1.528 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.881	1.39	0.964			0.438	1.274	2.085	2.009	2.247		1.408 Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.041	2.303	0.888			0.503	1.804	1.923	0.843	4.222		1.041 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.839	1.405	0.932			0.263	1.155	1.957	1.856	2.472		1.222 Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.68	1.24	0.939			0.526	1.21	1.5	2.099	1.852		1.273 Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.822	1.324	0.891	0.609			1.346	2.03	1.68	1.898		1.616 Not an AE
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.622	1.159	0.916				1.439	1.508	1.211	2.126		1.028 Other
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.682	1.367	0.875			0.221	1.416	1.978	1.189	2.048		0.91 Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.869	1.282	0.916				1.078	2.047	1.804	2.112		1.651 Other
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.056	1.407	1.107			1.749	2.213	1.957	2.309	1.943 Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.657	2.108	0.869			1.819	2.982	1.061	2.524	2.229 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.329	1.649	0.928			0.513	1.676	1.936	1.499	3.295		1.169 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.969	2.032	0.933			0.521	1.413	1.67	1.182	3.969		1.126 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.297	1.633	0.869				1.121	1.271	1.624	3.22		1.212 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.232	2.174	0.91			0.517	2.255	2.284	0.875	3.884		1.237 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.777	1.269	0.939			0.345	1.361	1.895	1.819	2.047		1.599 Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.563	1.693	0.974	0.611		0.612	2.103	2.358	2.04	3.078		1.749 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	2	1.365	0.913			0.382	1.706	1.964	1.847	2.257		1.525 Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.078	1.428	0.924			0.454	1.439	2.056	2.013	2.284		1.685 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.594	1.166	0.955			0.456	2.178	2.288	2.999	3.274		1.999 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.588	1.777	1.009			0.456	2.178	2.288	2.999	3.274		1.999 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.954	1.42	1.315			0.373	1.393	2.132	1.897	2.08		1.877 Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.783	1.341	0.905			0.12	1.259	2.128	1.703	2.059		1.35 Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.797	1.427	0.921	0.609		0.299	1.29	2.136	1.802	2.083		1.433 Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.778	0.845	0.879			1.208	2.014	1.457	0.977	1.851		1.423 Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.301	1.292	0.89			0.439	2.215	2.184	1.925	2.547		1.758 Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.177	1.467	0.983	0.612		0.311	1.72	2.262	2.243	2.481		1.62 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.951	1.091	0.871			0.43	1.646	2.088	1.026	2.148		1.375 Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.301	1.08	0.883			0.403	2.258	1.756	1.281	2.33		1.607 Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.892	1.314	0.891			0.399	1.279	1.689	1.711	2.241		1.237 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glomerular filtration rate decreased	1.768	1.166	0.934				1.033	1.937	1.547	2.019		1.379 Other
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.787	1.269	0.902				1.312	1.466	1.46	2.447		1.099 Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.329	1.856	0.877			0.432	1.614	2.965	1.633	2.389		2.171 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.828	1.306	0.939	0.605		0.463	1.342	2.029	1.819	2.204		1.434 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.772	1.261	0.931	0.606		0.315	1.409	1.963	1.695	2.099		1.418 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia	5.484	3.531	0.888				4.037	5.435	4.733	7.26		3.453 Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.179	3.341	0.869			0.543	4.723	5.439	0.741	12.024		1.782 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.887	1.291	0.928				1.465	1.995	1.803	2.301		1.605 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.093	1.796	0.868			0.02	1.934	2.559	1.427	2.244		1.721 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.843	1.421	1.091			0.029	1.464	2.094	2.065	2.328		1.568 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.846	1.274	0.89	0.746		0.393	1.607	1.962	1.48	2.351		1.324 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.015	1.222	0.874				1.42	2.036	0.925	2.107		1.246 Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.915	1.494	0.873				1.36	1.158	0.709	2.358		0.715 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.923	1.354	0.861				1.256	2.17	1.045	1.673		1.718 Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.082	1.725					1.052	2.654	1.048	1.73		1.769 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.744	1.28	0.941			0.238	1.398	1.766	1.885	2.243		1.541 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.691	1.27	0.916				1.017	2.093	1.937	2.094		1.323 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.382	1.121	0.9	0.607			1.04	1.523	1.223	2.021		0.68 Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.091	1.535	0.908			0.473	1.806	1.903	2.166	2.336		1.658 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.126	1.522	0.945	0.612		0.443	1.248	2.307	2.004	2.441		1.499 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.908	1.427	0.912			0.334	1.268	2.393	1.56	2.21		1.427 Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.117	1.547	1.023			0.473	0.982	2.256	2.018	2.027		2.017 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.577	1.264	0.908	0.609		0.25	0.921	1.943	2.045	2.29		1.13 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.52	1.228	0.889			0.126	1.155	1.689	1.655	2.27		0.85 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.745	1.312	0.918			0.284	1.114	2.118	1.88	2.021		1.443 Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.189	0.794					0.744	0.612		2.693		1.052 Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.339	0.538	0.88			8.034	1.195	1.225	0.867	1.416		1.923 Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.752	0.762					3.275	1.001		2.207		Other
COVID19 (COVID19 (JANSSEN))	Packed red blood cell transfusion	1.771	1.29	0.886				1.214	1.222	1.29	2.145		0.959 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.55	0.87				0.512	1.541	2.218	1.114	2.233		1.444 Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.922	1.415	0.869				0.657	1.052	1.574	2.227		0.954 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.762	2.257	0.911	0.611		0.471	1.795	2.969	2.477	3.014		1.918 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.872	1.311	0.908	0.608		0.288	1.485	2.089	1.542	2.173		1.465 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.726	1.83	0.889			0.385	2.056	2.709	2.066	3.139		1.645 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.026	3.366	0.87				4.323	2.562	0.813	6.28		1.862 Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.796	1.277	0.935				1.029	1.971	1.647	2.04		1.636 Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.625	0.84	0.87		0.72	2.005	0.078	0.002	0.459	1.646		1.783 Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.098	1.065					4.248			2.75		Other
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.779	1.265	0.919	0.61		0.355	1.406	1.623	1.765	2.025		1.425 Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.966	1.482	0.934	0.745		0.317	1.493	2.333	1.703	2.53		1.495 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.234	1.586	1.465	0.613		0.582	1.767	2.053	2.569	2.497		1.885 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.044	1.47	0.898				1.695	1.561	2.009	2.117		1.864 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.844	1.311	0.931	0.606		0.525	1.365	2.042	1.734	2.06		1.531 Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	2.012	1.385	0.924	0.611		0.328	1.324	2.249	1.798	2.06		1.466 Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.363	1.02					2.3	0.499		1.096		0.731 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	2.397	1.486	0.875			0.53	1.814	1.954	1.518	2.575		1.702 Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	3.229	2.162	1.494			0.522	3.201	6.632	15.086	5.79		3.502 Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.373					0.645	3.584		0.637	0.571	0.568	1.017 Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.088	1.4	0.882			0.507	1.371	1.58	1.527	2.175		1.342 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.299	1.753	0.94			0.374	1.613	2.402	1.785	2.457		1.885 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.68	2.082	1.701	0.613		0.728	1.982	2.381	3.526	2.896		2.307 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.988	2.643	0.889				1.654	1.361	0.572	5.768		1.498 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.213	1.733	0.87				1.88	1.192	0.625	2.24		0.904 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.406	1.468	0.907			0.726	1.938	2.244	2.273	2.734		1.779 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.704	1.822	0.925	0.612		0.52	2.445	2.242	2.839	3.283		2.073 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.485	1.673	0.917			0.437	2.135	2.029	2.067	2.4		1.862 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.885	1.09	0.873				1.232	2.037	1.722	1.885		1.34 Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.571	1.202	0.896	0.612		0.303	0.881	2.131	1.32	1.722		1.269 Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.367	3.096	2.491			0.494		1.611	3.057	6.204		2.433 Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.575	0.913					1.288	1.285	0.794	2.073		0.768 Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.035	0.894					0.938	1.657	1.038	1.801		1.15 Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.284	1.759	0.867				1.944	1.603	0.71	2.616		1.008 Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.62	2.069				0.601	2.376	1.662	0.66	3.181		1.208 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.034	2.25	0.874				3.767	2.009	0.93	4.827		1.235 Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.374	0.832		12.029	0.935		0.514		1.266	0.658	0.621	1.005
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.59	0.915	0.871	0.605	1.015	2.47	0.778	0.618	0.409	0.658	0.621	
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.901	1.07				0.608	2.017	1.524	0.814	1.936	1.902	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.364	0.985	0.88		5.92	2.959	0.1		0.374	2.549	2.654	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.05	2.039	0.869			2.656	2.021	2.001	1.592	1.96	2.182	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.947	0.988	0.874			0.641	0.944	1.398	2.177	1.921	1.537	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.048	1.113	0.87		0.487	0.711	1.464	1.691	1.884	1.942	1.51	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.292	1.785	1.733	0.612	0.789	1.09	1.723	1.738	1.76	1.874	1.877	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.864	0.873			0.375			0.47	1.266	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.744	1.69	0.913	17.047		1.271	1.236	1.822	1.991	2.256	1.983	1.846
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.162	1.773	0.921			0.689	1.08	1.78	1.938	2.26	2.031	1.897
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.793				1.378	1.861	1.745	2.178	1.614	1.579	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.022	1.358	0.884			1.457	0.901	1.541	1.752	2.129	1.938	1.767

From:	Baer, Bethany
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC); Menschik, David
Subject:	Weekly data mining
Date:	Tuesday, March 22, 2022 7:24:24 AM
Attachments:	USST_20220318.xls

Good morning,

I am providing the data mining alerts this week as David is on leave. Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 3/18/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

Bethany

Drug	Event	US EB05 20220318	US Serious EB05 20220318	US Fatal EB05 20220318	US Infant EB05 20220318	US Child EB05 20220318	US Teen EB05 20220318	US Adult1 EB05 20220318	US Adult2 EB05 20220318	US Adult3 EB05 20220318	US Female EB05 20220318	US Male EB05 20220318	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.072	1.669	0.932			0.389	1.579	1.903	2.104	2.738	1.468	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.139	1.622	0.878				1.642	2.117	2.03	2.793	1.474	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.077	1.355	1.027			0.448	1.486	2.068	1.969	2.406	1.768	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.854	0.953	0.881			0.515	0.972	0.794	0.687	2.627	1.472	Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.016	1.097	0.887				0.918	0.764	0.733	1.866	1.52	Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.918	1.323	0.905				1.429	1.465	1.743	2.119	1.335	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.509	1.839	0.905			0.484	2.139	2.01	2.069	3.53	1.47	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.157	1.522	0.884				1.846	1.818	1.337	2.332	1.46	Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.468	1.683	0.903			0.422	1.656	2.318	2.265	2.515	2.012	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.783	1.392	0.905			0.364	1.155	2.205	1.423	2.135	1.31	Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.371	0.838	0.876			0.558	0.808	1.638	1.826	2.024	1.71	Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.226	1.503	0.96	0.613		0.424	1.835	2.035	2.27	2.777	1.662	Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.069	1.809	0.891				0.919	2.374	1.319	2.126	1.488	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.765	1.131	0.882			0.61	1.112	1.31	1.337	2.194	0.963	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.897	1.462	0.904	0.61		0.369	1.219	2.407	1.803	2.399	1.353	Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.799	1.461	0.919	0.608		0.277	1.19	2.291	1.834	2.2	1.345	Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.794	1.306	0.921			0.324	1.491	1.834	1.827	2.185	1.435	Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.891	1.39	0.936			0.387	1.401	2.115	1.926	2.25	1.516	Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.862	1.366	0.953			0.436	1.263	2.066	1.971	2.212	1.395	Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.915	2.269	0.894			0.499	1.724	1.922	0.843	4.021	1.041	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.827	1.376	0.928			0.263	1.145	1.928	1.843	2.447	1.215	Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.684	1.241	0.937			0.521	1.217	1.489	2.119	1.856	1.279	Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.817	1.32	0.894	0.609			1.341	2.025	1.695	1.907	1.612	Not an AE
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.596	1.141	0.916				1.427	1.49	1.185	2.071	1.01	Other
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.683	1.38	0.886			0.217	1.416	2.019	1.24	2.076	0.92	Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.859	1.275	0.913				1.063	2.045	1.792	2.103	1.643	Other
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.051	1.417	1.137				1.795	2.227	1.984	2.34	1.962	Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.667	2.091	0.878				1.901	2.949	1.053	2.587	2.234	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.332	1.649	0.931			0.512	1.687	1.915	1.489	3.337	1.164	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.865	1.992	0.93			0.52	1.355	1.645	1.181	3.978	1.101	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.297	1.613	0.877				1.122	1.263	1.605	3.217	1.204	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.233	2.142	0.913			0.516	2.224	2.283	0.874	3.856	1.232	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.774	1.272	0.935			0.343	1.359	1.904	1.837	2.062	1.606	Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.553	1.674	0.966	0.611		0.612	2.116	2.329	2.013	3.046	1.738	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.999	1.357	0.917			0.38	1.696	1.977	1.848	2.257	1.531	Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.079	1.425	0.926			0.453	1.435	2.062	2.024	2.284	1.696	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.594	1.172	0.96				1.149	1.589	1.518	2.026	1.516	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.58	1.778	0.987			0.454	2.168	2.291	3.024	3.279	1.997	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.944	1.405	1.306			0.373	1.383	2.137	1.868	2.087	1.856	Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.773	1.324	0.904			0.116	1.247	2.162	1.66	2.03	1.365	Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.785	1.399	0.917	0.609		0.296	1.288	2.127	1.762	2.071	1.417	Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.778	0.841	0.886			1.206	2.011	1.455	0.976	1.848	1.421	Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.296	1.292	0.895			0.439	2.217	2.198	1.928	2.562	1.73	Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.166	1.458	0.969	0.612		0.31	1.711	2.26	2.265	2.475	1.626	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.94	1.096	0.88			0.429	1.646	2.088	1.022	2.172	1.35	Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.303	1.091	0.893			0.402	2.286	1.748	1.269	2.306	1.632	Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.874	1.297	0.895			0.399	1.27	1.699	1.679	2.206	1.246	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glomerular filtration rate decreased	1.756	1.148	0.927				1.024	1.903	1.548	2.001	1.362	Other
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.764	1.249	0.905				1.296	1.45	1.449	2.414	1.085	Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.329	1.859	0.885			0.432	1.638	2.953	1.629	2.428	2.168	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.829	1.306	0.941	0.605		0.461	1.344	2.045	1.828	2.22	1.433	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.768	1.262	0.934	0.606		0.314	1.413	1.969	1.697	2.12	1.41	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.522	3.592	0.894				4.147	5.434	4.766	7.309	3.268	Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.178	3.348	0.878			0.542	4.719	5.434	0.741	7.273	1.785	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.892	1.295	0.927				1.467	2.034	1.816	2.329	1.624	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.099	1.78	0.876			0.02	1.969	2.551	1.409	2.247	1.731	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.837	1.409	1.068			0.029	1.452	2.094	2.045	2.313	1.564	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.842	1.269	0.895	0.746		0.389	1.6	1.957	1.479	2.359	1.316	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.015	1.231	0.882				1.416	2.066	0.926	2.098	1.275	Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.916	1.489	0.881				1.361	1.158	0.71	2.367	0.715	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.92	1.334	0.871				1.255	2.151	1.037	1.664	1.708	Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.105	1.735					1.098	2.749	1.047	1.77	1.838	Not an AE
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.736	1.274	0.937				1.387	1.796	1.89	2.233	1.542	Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.679	1.257	0.915			0.235	1.006	2.086	1.914	2.073	1.319	Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.409	1.141	0.904	0.607			1.065	1.522	1.278	2.082	0.676	Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.084	1.516	0.911			0.471	1.809	1.885	2.153	2.328	1.644	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.106	1.502	0.937	0.612		0.443	1.286	2.278	2.451	1.972	1.468	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.91	1.415	0.917			0.33	1.261	2.394	1.553	2.204	1.422	Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.116	1.529	1.015			0.472	1.013	2.271	1.977	2.035	2.013	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.563	1.25	0.909	0.609		0.246	0.922	1.917	2.019	2.265	1.12	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.51	1.223	0.894			0.109	1.164	1.681	1.616	2.267	0.838	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.73	1.295	0.916			0.28	1.103	2.102	1.858	2.001	1.433	Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.192	0.794					0.744	0.612		2.743	1.052	Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.33	0.543	0.888			7.983	1.185	1.237	0.858	1.411	1.903	Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.753	0.762					3.292	1.001		2.211		Other
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.533	0.864				0.509	1.533	2.168	1.052	2.203	1.426	Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.928	1.412	0.878				0.657	1.052	1.581	2.236	0.953	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.766	2.247	0.914	0.611		0.471	1.798	2.909	2.607	3.039	1.872	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.872	1.311	0.911	0.607		0.288	1.475	2.075	1.571	2.197	1.456	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.73	1.847	0.895			0.383	2.059	2.738	2.152	3.171	1.661	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.025	3.371	0.879				4.325	2.274	0.799	5.929	1.83	Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.79	1.273	0.937				1.022	1.986	1.633	2.057	1.622	Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.622	0.84	0.878		0.72	2.009	0.077	0.002	0.453	1.644	1.786	Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.098	1.066					4.263			2.817		Other
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.772	1.257	0.918	0.61		0.355	1.387	1.594	1.787	2.041	1.405	Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.964	1.475	0.936	0.745		0.315	1.481	2.325	1.751	2.513	1.509	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.235	1.583	1.338	0.613		0.582	1.765	2.051	2.579	2.508	1.876	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.044	1.45	0.903				1.688	1.556	1.961	2.094	1.86	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.84	1.311	0.929	0.606		0.519	1.383	2.046	1.729	2.066	1.533	Other
COVID19 (COVID19 (JANSSEN))	Red blood cell transfusion	1.74	1.263	0.894				1.188	1.278	1.257	2.119	0.948	Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.99	1.377	0.923	0.611		0.325	1.3	2.236	1.811	2.338	1.476	Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.363	1.02					2.322	0.499		1.098	0.731	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.397	1.607	0.883			0.529	1.817	1.949	1.64	2.634	1.702	Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.231	2.196	1.532			0.52	3.273	3.281	1.276	3.067	3.551	Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.023	0.768	0.879			0.645	3.588	6.631	15.084	7.751	5.813	Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.38						0.638	0.573		0.568	1.017	Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.088	1.414	0.889			0.507	1.422	1.576	1.518	2.16	1.375	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.295	1.749	0.937			0.374	1.614	2.395	1.799	2.467	1.767	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.678	2.092	1.707	0.613		0.726	1.995	2.394	3.567	2.924	2.334	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.989	2.691	0.895				1.665	1.362	0.574	5.777	1.06	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.215	1.729	0.878				1.886	1.192	0.626	2.043	0.904	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.401	1.449	0.908			0.72	1.94	2.227	2.244	2.704	1.774	Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.693	1.814	0.925	0.612		0.519	2.436	2.223	2.876	3.273	2.062	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.478	1.684	0.917			0.436	2.162	2.063	2.038	2.53	1.852	Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.887	1.083	0.887			1.227	2.028	1.712	1.876		1.334	Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.561	1.188	0.899	0.612		0.303	0.872	2.131	1.294	1.706	1.254	Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.365	3.122	2.489			0.495	1.62	3.06	6.094	2.451	2.586	Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.566	0.906					1.273	1.279	0.79	3.024	0.765	Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.035	0.893					0.939	1.656	1.036	1.801	1.141	Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.31	1.757	0.876				1.996	1.603	0.71	2.624	1.02	Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.621	2.068	0.882			0.601	2.386	1.662	0.667	3.279	1.208	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	4.032	2.277	0.882				3.685	2.008	1.056	4.895	1.217	Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.374	0.832	0.876	11.556	0.936		1.269	0.514		1.437	1.003	
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.591	0.914	0.876	0.605	1.017	2.451	0.782	0.621	0.411	0.661	0.623	
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.901	1.071				0.613	2.073	1.552	0.877	1.994	1.942	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.987	0.888		6.08	2.972	0.099	0.047	0.361	2.557	2.666	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.051	2.05	0.877			2.668	2.049	2.014	1.596	1.993	2.2	
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.008	1.688	0.889			0.836	1.627	1.498	1.522	1.885	1.877	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.944	0.988	0.882		0.487	0.664	0.959	1.415	2.157	1.903	1.537	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.049	1.111	0.879	0.487	0.487	0.711	1.459	1.689	1.876	1.928	1.499	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.292	1.771	1.707	0.612	0.8	1.091	1.71	1.724	1.745		1.849	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.864	0.881	18.012			0.374			0.516	1.251	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.743	1.665	0.912		1.272	1.233	1.799	1.971	2.234	1.957	1.824	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.163	1.763	0.921		0.704	1.083	1.779	1.935	2.223	1.994	1.881	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.793	0.842			1.373	1.852	1.739	2.168	1.607	1.574	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.022	1.348	0.891			0.916	1.551	1.737	2.112	1.917	1.754	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, March 29, 2022 6:11:20 AM
Attachments:	USST_20220325.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 3/25/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220325	US Serious EB05 20220325	US Fatal EB05 20220325	US Infant EB05 20220325	US Child EB05 20220325	US Teen EB05 20220325	US Adult1 EB05 20220325	US Adult2 EB05 20220325	US Adult3 EB05 20220325	US Female EB05 20220325	US Male EB05 20220325	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.07	1.662	0.932				0.387	1.56	1.89	2.137	2.8	1.436 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.126	1.603	0.88					1.622	2.097	2.021	2.785	1.455 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.07	1.344	1.016				0.448	1.475	2.059	1.949	2.379	1.76 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.846	0.949	0.885				0.515	0.971	0.784	0.687	2.623	1.463 Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.016	1.097	0.89					0.917	0.76	0.731	1.876	1.518 Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.913	1.33	0.906					1.476	1.457	1.726	2.151	1.328 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.484	1.82	0.907				0.48	2.138	1.981	2.06	3.51	1.452 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.152	1.52	0.888					1.832	1.817	1.338	2.321	1.46 Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.449	1.676	0.907				0.42	1.637	2.321	2.249	2.498	2.007 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.758	1.36	0.907				0.364	1.143	2.152	1.434	2.102	1.301 Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.371	0.837	0.88				0.558	0.804	1.625	1.802	2.011	1.701 Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.228	1.509	0.966	0.613			0.422	1.829	2.049	2.268	2.761	1.679 Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.035	1.784	0.834					0.897	2.35	1.315	2.081	1.467 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.754	1.122	0.885					1.111	1.292	1.338	2.179	0.956 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.899	1.466	0.91	0.61			0.368	1.206	2.412	1.825	2.399	1.363 Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.81	1.469	0.924	0.608			0.276	1.179	2.321	1.853	2.211	1.361 Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.779	1.295	0.926				0.321	1.485	1.816	1.823	2.172	1.427 Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.891	1.389	0.94				0.386	1.394	2.11	1.942	2.25	1.519 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.834	1.25	0.913					1.046	2.012	1.543	1.944	1.527 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.858	1.357	0.949				0.431	1.257	2.055	1.961	2.207	1.384 Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	3.089	2.31	0.897				0.499	1.692	1.98	0.941	4.209	1.083 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.84	1.378	0.928				0.26	1.138	1.967	1.855	2.482	1.227 Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.68	1.236	0.938				0.521	1.22	1.473	2.15	1.879	1.259 Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.822	1.325	0.901	0.609				1.34	2.024	1.736	1.921	1.623 Not an AE
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.58	1.126	0.916					1.415	1.459	1.179	2.092	0.993 Other
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.666	1.358	0.888				0.21	1.405	1.993	1.229	2.059	0.908 Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.865	1.275	0.918					1.046	2.05	1.809	2.123	1.643 Other
COVID19 (COVID19 (JANSSEN))	Blood urine present	1.539	1.212	0.912	0.812			0.305	0.955	1.516	2.007	1.495	1.42 Other
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.055	1.409	1.114					1.775	2.204	1.982	2.314	1.958 Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.662	2.092	0.882					1.864	2.996	1.046	2.52	2.252 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.332	1.848	0.932				0.512	1.685	1.913	1.483	3.339	1.159 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.863	1.973	0.929				0.52	1.354	1.621	1.182	3.981	1.003 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.302	1.604	0.881					1.116	1.255	1.805	3.219	1.195 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.231	2.142	0.915				0.516	2.224	2.267	0.875	3.84	1.232 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.772	1.272	0.937				0.34	1.346	1.89	1.849	2.06	1.604 Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.542	1.665	0.962	0.611			0.608	2.108	2.315	2.006	3.03	1.727 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.999	1.361	0.917				0.38	1.703	1.978	1.868	2.264	1.54 Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.075	1.423	0.926				0.454	1.428	2.053	2.028	2.268	1.7 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.594	1.175	0.963					1.147	1.601	1.522	2.023	1.523 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.58	1.781	0.976				0.453	2.168	2.303	2.996	3.267	2.008 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.932	1.391	1.289				0.373	1.373	2.135	1.834	2.082	1.835 Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.773	1.324	0.91				0.107	1.242	2.178	1.658	2.039	1.367 Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.792	1.402	0.922	0.609			0.295	1.28	2.148	1.769	2.084	1.424 Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.778	0.838	0.89				1.207	2.006	1.451	0.971	1.844	1.417 Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.294	1.286	0.898				0.439	2.21	2.181	1.922	2.551	1.719 Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.156	1.466	0.966	0.612			0.309	1.701	2.287	2.251	2.475	1.638 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.943	1.092	0.884				0.429	1.667	2.113	1.018	2.216	1.348 Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.294	1.075	0.895				0.402	2.274	1.747	1.25	2.301	1.617 Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.859	1.29	0.899				0.398	1.269	1.7	1.662	2.177	1.257 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glomerular filtration rate decreased	1.771	1.159	0.931					1.019	1.927	1.573	2.025	1.378 Other
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.732	1.238	0.900					1.271	1.426	1.489	2.478	1.061 Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.329	1.847	0.887				0.432	1.634	2.944	1.819	2.399	2.162 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.822	1.3	0.943	0.605			0.461	1.337	2.02	1.842	2.216	1.429 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.762	1.259	0.934	0.606			0.311	1.412	1.953	1.708	2.121	1.406 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.521	3.614	0.897					4.144	5.51	4.765	7.306	3.403 Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.177	3.445	0.882				0.542	4.716	5.82	0.741	7.272	2.863 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.889	1.302	0.931					1.451	2.045	1.833	2.341	1.634 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.087	1.783	0.88				0.02	1.961	2.571	1.396	2.227	1.745 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.838	1.408	1.062				0.029	1.437	2.106	2.034	2.316	1.568 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.833	1.253	0.894	0.746			0.388	1.582	1.927	1.483	2.354	1.297 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.015	1.225	0.886					1.41	2.064	0.923	2.092	1.272 Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.915	1.496	0.885					1.36	1.15	0.71	2.312	0.715 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.925	1.356	0.875					1.269	2.184	1.029	1.674	1.734 Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.09	1.715						1.081	2.751	1.044	1.76	1.817 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.73	1.269	0.935					1.415	1.742	1.875	2.24	1.526 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.685	1.26	0.92				0.232	1.008	2.093	1.926	2.088	1.326 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.388	1.123	0.905	0.607				1.051	1.501	1.268	2.048	0.868 Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.08	1.499	0.912				0.471	1.797	1.869	2.144	2.323	1.625 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.085	1.489	0.939	0.612			0.438	1.282	2.26	1.968	2.438	1.463 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.634	1.244	0.906				0.301	1.128	1.944	1.411	2.013	0.963 Other
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.929	1.448	0.921				0.329	1.257	2.401	1.646	2.237	1.451 Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.115	1.525	1.013				0.472	1.005	2.289	1.956	2.06	2 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.559	1.248	0.913	0.609			0.244	0.912	1.919	2.035	2.248	1.131 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.505	1.215	0.895				0.105	1.161	1.648	1.652	2.251	0.833 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.732	1.291	0.918				0.278	1.103	2.099	1.864	2.006	1.434 Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.19	0.795						0.744	0.612		2.755	1.052 Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.33	0.53	0.891				7.985	1.183	1.252	0.889	1.424	1.91 Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.752	0.762						3.298	1		2.212	Other
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.529	0.865					0.505	1.53	2.166	1.116	2.201	1.422 Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.924	1.413	0.882					0.658	1.051	1.579	2.238	0.953 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.763	2.251	0.916	0.611			0.471	1.783	2.883	2.642	3.023	1.891 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.867	1.314	0.916	0.607			0.286	1.462	2.005	1.577	2.197	1.467 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.735	1.85	0.897				0.383	2.112	2.728	2.14	3.2	1.866 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.024	3.422	0.883					4.322	3.649	0.8	5.928	2.359 Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.806	1.289	0.942					1.021	2.047	1.63	2.119	1.621 Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.623	0.842	0.883			0.72	2.017	0.076	0.002	0.523	1.651	1.792 Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.098	1.065						4.255			2.805	Other
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.763	1.256	0.923	0.61			0.353	1.381	1.575	1.821	2.035	1.417 Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.956	1.46	0.935	0.745			0.312	1.47	2.306	1.744	2.512	1.49 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.232	1.581	1.138	0.613			0.582	1.765	2.049	2.564	2.498	1.876 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.057	1.458	0.903					1.686	1.578	1.963	2.093	1.86 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.833	1.306	0.932	0.607			0.517	1.381	2.022	1.745	2.068	1.526 Other
COVID19 (COVID19 (JANSSEN))	Red blood cell transfusion	1.717	1.215	0.896					1.177	1.244	1.24	2.084	0.921 Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.984	1.371	0.926	0.611			0.323	1.291	2.219	1.818	2.336	1.47 Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.349	1.011						2.328	0.5		1.886	0.731 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.396	1.685	0.887				0.529	1.815	1.988	1.628	2.624	1.743 Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.231	2.206	1.566				0.521	3.29	3.277	1.273	3.045	3.564 Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.023	0.768	0.883				0.645	3.689	6.577	15.088	7.751	5.758 Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.378								0.638	0.572	0.568	1.017 Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.076	1.418	0.892				0.504	1.416	1.598	1.51	2.135	1.396 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.204	1.753	0.935				0.372	1.604	2.41	1.815	2.477	1.775 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.681	2.1	1.716	0.613			0.726	1.981	2.41	3.544	2.92	2.338 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	4.987	2.839	0.898					1.536	2.61	0.573	5.549	1.663 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.213	1.73	0.882					1.886	1.185	0.626	2.018	0.903 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.398	1.447	0.911				0.712	1.937	2.22	2.244	2.693	1.772 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.685	1.815	0.929	0.612			0.519	2.42	2.242	2.824	3.248	2.077 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.46	1.664	0.917				0.425	2.162	2.046	2.007	2.505	1.833 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.804	1.091	0.885					1.222	2.041	1.71	1.877	1.334 Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.542	1.176	0.902	0.612			0.303	0.854	2.115	1.31	1.711	1.234 Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.365	3.112	2.51				0.496	1.628	3.046	6.028	2.442	2.584 Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.566	0.931						1.264	1.344	0.79	2.013	0.828 Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.039	0.893						0.921	1.655	1.037	1.801	1.119 Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.309	1.796	0.88					1.995	1.648	0.71	2.584	1.079 Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.607	2.091					0.601	2.389	1.741	0.663	3.53	1.268 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.099	2.243	0.886					3.635	1.987	1.056	4.808	1.216 Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.374	0.833		12.596	0.935			1.288	0.555	0.515	1.451	1.077
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.591	0.92	0.88	0.605	1.024	2.47	0.781	0.621	0.414	0.663	0.624	
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.89	1.095			0.615	2.082	1.559	0.847	2.007	1.938		
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.364	0.951	0.891	6.108	2.98	0.007	0.046	0.358	2.550	2.673		
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.05	2.051	0.882	2.675	2.048	2.011	1.595	1.993	2.190			
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.007	1.662	0.892	0.836	1.61	1.801	1.524	1.884	1.865			
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.945	0.987	0.888	0.664	0.959	1.424	2.159	1.9	1.543			
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.047	1.109	0.883	0.488	0.711	1.462	1.689	1.917	1.026	1.5		
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.293	1.761	1.706	0.611	0.802	1.09	1.711	1.72	1.731	1.835	1.844	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.865	0.885	18.911	0.364							
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.744	1.664	0.913	1.272	1.232	1.8	1.973	2.236	1.568	1.825		
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.164	1.756	0.927	0.705	1.091	1.774	1.936	2.224	1.985	1.88		
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.755	0.794		1.455	1.368	1.853	1.738	2.165	1.6	1.568		
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.023	1.343	0.894	0.922	1.551	1.728	2.107	1.902	1.753			

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, April 5, 2022 6:42:16 AM
Attachments:	USST_20220401.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 4/1/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,

David

Drug	Event	US EB05 20220401	US Serious EB05 20220401	US Fatal EB05 20220401	US Infant EB05 20220401	US Child EB05 20220401	US Teen EB05 20220401	US Adult1 EB05 20220401	US Adult2 EB05 20220401	US Adult3 EB05 20220401	US Female EB05 20220401	US Male EB05 20220401	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.051	1.626	0.927			0.378	1.533	1.879	2.084	2.714	1.422	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.113	1.58	0.873				1.609	2.079	1.963	2.746	1.445	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.068	1.338	1.018			0.444	1.469	2.059	1.953	2.39	1.741	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.841	0.949	0.877			0.514	0.971	0.78	0.687	2.621	1.492	Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.016	1.093	0.883				0.917	0.853	0.732	1.893	1.571	Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.91	1.314	0.9				1.475	1.454	1.696	2.127	1.324	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.476	1.818	0.903			0.479	2.126	2.003	2.037	3.502	1.451	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.164	1.527	0.88				1.883	1.804	1.334	2.352	1.451	Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.431	1.661	0.902			0.416	1.606	2.303	2.222	2.472	1.977	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.751	1.34	0.903			0.361	1.133	2.144	1.404	2.076	1.295	Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.368	0.833	0.871			0.557	0.804	1.601	1.798	1.996	1.692	Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.219	1.492	0.961		0.613	0.419	1.816	2.043	2.232	2.725	1.672	Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.035	1.764	0.888				0.897	2.295	1.315	2.08	1.452	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.743	1.116	0.877				1.11	1.284	1.33	2.14	0.953	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.903	1.465	0.907		0.61	0.365	1.202	2.421	1.81	2.412	1.359	Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.809	1.454	0.929		0.609	0.275	1.164	2.342	1.824	2.204	1.381	Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.762	1.278	0.923			0.316	1.445	1.818	1.79	2.147	1.408	Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.878	1.372	0.942			0.38	1.371	2.11	1.911	2.228	1.505	Other
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.846	1.255	0.916				1.031	2.027	1.557	1.941	1.542	Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.844	1.343	0.953			0.423	1.241	2.069	1.922	2.172	1.387	Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.966	2.255	0.89			0.494	1.69	1.98	0.913	4.099	1.069	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.81	1.332	0.924			0.252	1.119	1.919	1.812	2.437	1.192	Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.67	1.228	0.934			0.518	1.221	1.479	2.101	1.879	1.251	Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.817	1.323	0.902		0.609		1.339	2.038	1.73	1.934	1.618	Not an AE
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.663	1.354	0.881			0.204	1.386	1.996	1.218	2.056	0.909	Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.861	1.27	0.917				1.051	2.063	1.785	2.111	1.639	Other
COVID19 (COVID19 (JANSSEN))	Brain oedema	1.556	1.28	0.92				1.22	1.565	0.608	2.006	0.705	
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.057	1.399	1.091				1.731	2.185	1.971	2.285	1.947	Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.668	2.079	0.873				1.834	2.996	1.039	2.58	2.232	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	CSF red blood cell count positive	1.884	1.753	0.873				1.409	1.978	0.99	2.016	1.498	
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.326	1.616	0.929			0.511	1.684	1.936	1.476	3.358	1.15	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.836	1.965	0.925			0.519	1.353	1.621	1.175	3.934	1.093	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.301	1.625	0.876				1.115	1.293	1.605	3.219	1.226	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.196	2.124	0.907			0.515	2.223	2.267	0.874	3.804	1.231	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.772	1.273	0.944			0.336	1.344	1.893	1.846	2.061	1.602	Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.536	1.664	0.964		0.611	0.607	2.117	2.325	1.996	3.023	1.733	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.991	1.362	0.912			0.379	1.721	1.965	1.864	2.264	1.547	Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.063	1.409	0.922			0.45	1.411	2.048	2.006	2.242	1.692	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.591	1.169	0.964				1.136	1.601	1.512	2.028	1.51	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.579	1.782	0.972			0.452	2.178	2.301	2.965	3.258	2.008	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.928	1.384	1.245			0.366	1.359	2.136	1.831	2.1	1.816	Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.759	1.304	0.906			0.102	1.23	2.142	1.647	2.033	1.34	Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.783	1.387	0.925		0.61	0.293	1.262	2.149	1.747	2.074	1.413	Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.776	0.846	0.882			1.207	2.003	1.449	0.969	1.841	1.414	Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.3	1.295	0.892			0.438	2.212	2.181	1.909	2.544	1.716	Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.152	1.46	0.97		0.612	0.304	1.707	2.295	2.195	2.465	1.633	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.942	1.093	0.875			0.428	1.663	2.105	1.021	2.216	1.343	Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.286	1.069	0.888			0.399	2.259	1.747	1.245	2.281	1.617	Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.853	1.271	0.895			0.396	1.239	1.72	1.621	2.133	1.258	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glomerular filtration rate decreased	1.767	1.152	0.931				0.999	1.928	1.556	2.011	1.369	Other
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.732	1.233	0.907				1.255	1.461	1.456	2.421	1.077	Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.345	1.853	0.882			0.43	1.64	2.947	1.655	2.419	2.166	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.815	1.294	0.946		0.606	0.458	1.329	2.025	1.823	2.202	1.427	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.757	1.255	0.936		0.606	0.308	1.405	1.963	1.693	2.112	1.408	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.527	3.691	0.891				4.19	5.618	4.782	7.4	3.362	Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.177	3.451	0.873			0.541	4.714	5.822	0.741	7.272	2.863	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.891	1.307	0.94				1.482	2.056	1.833	2.354	1.638	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.097	1.774	0.871			0.019	1.959	2.54	1.431	2.253	1.735	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.836	1.405	1.068			0.029	1.428	2.116	2.016	2.314	1.565	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.831	1.244	0.887		0.746	0.382	1.559	1.926	1.466	2.337	1.287	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.015	1.224	0.878				1.39	2.064	0.914	2.087	1.253	Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.897	1.49	0.877				1.359	1.15	0.71	2.31	0.711	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.931	1.365	0.865				1.288	2.170	1.027	1.688	1.731	Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.09	1.605					1.08	2.751	1.04	1.756	1.817	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.728	1.262	0.933				1.41	1.715	1.866	2.218	1.517	Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.68	1.252	0.921			0.228	1.004	2.102	1.892	2.073	1.324	Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.378	1.111	0.9		0.607		1.035	1.493	1.25	2.03	0.657	Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.071	1.493	0.908			0.465	1.779	1.871	2.132	2.316	1.614	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.083	1.468	0.944		0.612	0.435	1.261	2.271	1.935	2.422	1.454	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.651	1.245	0.908			0.3	1.119	1.956	1.419	2.011	0.985	Other
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.924	1.41	0.921			0.325	1.236	2.407	1.605	2.195	1.45	Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.121	1.513	1.018			0.47	0.996	2.275	1.668	2.059	1.981	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.562	1.25	0.916		0.61	0.242	0.912	1.935	2.016	2.254	1.132	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.5	1.201	0.889			0.099	1.14	1.63	1.66	2.237	0.818	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.721	1.28	0.918			0.272	1.094	2.104	1.832	1.993	1.424	Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.275	0.794					0.744	0.612		2.744	1.073	Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.33	0.607	0.884			8.023	1.199	1.263	0.887	1.444	1.918	Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.752	0.762					3.298	1		2.21		Other
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.529	0.864				0.503	1.529	2.159	1.117	2.194	1.422	Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.924	1.41	0.873				0.658	1.051	1.572	2.234	0.953	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.798	2.234	0.917		0.611	0.468	1.8	2.911	2.592	3.02	1.888	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.858	1.307	0.909		0.607	0.281	1.451	2.102	1.569	2.194	1.461	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.735	1.847	0.892			0.382	2.105	2.728	2.138	3.195	1.665	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.023	3.429	0.875				4.318	3.641	0.798	5.922	2.351	Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.801	1.276	0.944				1.014	2.033	1.62	2.122	1.596	Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.623	0.841	0.874		0.72	2.027	0.075	0.002	0.519	1.661	1.802	Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.098	1.066					4.262			2.816		Other
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.751	1.232	0.916		0.61	0.345	1.362	1.572	1.766	2.011	1.393	Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.948	1.447	0.936		0.746	0.307	1.465	2.31	1.72	2.49	1.484	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.233	1.577	1.09		0.613	0.581	1.762	2.049	2.56	2.498	1.872	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.057	1.462	0.901				1.669	1.58	1.959	2.108	1.859	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.822	1.296	0.93		0.607	0.516	1.371	2.012	1.723	2.063	1.509	Other
COVID19 (COVID19 (JANSSEN))	Red blood cell transfusion	1.712	1.203	0.889				1.176	1.287	1.21	2.022	0.956	Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.957	1.342	0.923		0.611	0.311	1.296	2.18	1.786	2.319	1.436	Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.349	1.011					2.328	0.5		1.086	0.731	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.396	1.67	0.878			0.528	1.814	1.987	1.612	2.614	1.743	Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.224	2.167	1.542			0.517	3.224	3.314	3.224	3.023	3.562	Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.023	0.768	0.875			0.644	3.588	6.579	15.105	7.75	5.725	Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.38						0.638	0.572		0.568	1.017	Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.075	1.406	0.886			0.503	1.407	1.598	1.502	2.118	1.394	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.297	1.751	0.937			0.368	1.595	2.437	1.798	2.478	1.777	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.682	2.095	1.717		0.613	0.726	1.976	2.409	3.559	2.936	2.33	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	5.022	2.937	0.892				1.911	2.596	0.573	5.552	1.53	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.213	1.828	0.874				1.885	1.268	0.626	2.181	0.903	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.401	1.447	0.911			0.711	1.932	2.225	2.236	2.685	1.779	Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.682	1.811	0.925		0.612	0.519	2.414	2.249	2.787	3.25	2.071	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.47	1.681	0.917			0.424	2.19	2.075	1.974	2.501	1.862	Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.889	1.085	0.876				1.235	2.033	1.679	1.882	1.325	Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.532	1.159	0.896		0.612	0.3	0.844	2.101	1.276	1.688	1.223	Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.365	3.101	2.516			0.493	1.634	3.028	5.934	2.435	2.582	Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.566	0.931					1.264	1.344	0.79	2.012	0.828	Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.039	0.893					0.921	1.655	1.032	1.796	1.119	Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.283	1.796	0.871				1.995	1.648	0.71	2.585	1.079	Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.607	2.092				0.6	2.388	1.74	0.968	3.151	1.268	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.099	2.244	0.878				3.634	1.987	1.055	4.807	1.216	Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.374	0.833		12.758	0.604	0.935	1.289	2.472	0.515	1.474	1.075	
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.591	0.923	0.871	0.604	1.031	2.472	0.781	0.625	0.418	0.067	0.627	
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.89	1.094				0.608	2.087	1.563	0.847	2.009	1.95	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.951	0.884	6.187	0.608	2.991	0.096	0.046	0.351	2.568	2.677	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.05	2.041	0.871			2.685	2.051	2.009	1.595	1.994	2.197	
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.007	1.695	0.885			0.836	1.61	1.801	1.523	1.887	1.864	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.946	0.987	0.878		0.488	0.669	0.959	1.423	2.16	1.9	1.543	
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.048	1.11	0.874		0.488	0.71	1.462	1.69	1.871	1.925	1.501	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.293	1.762	1.71	0.611	0.801	1.092	1.709	1.711	1.724	1.828	1.845	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.864	0.877	19.089						0.364	1.222	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.745	1.666	0.91		1.272	1.231	1.798	1.971	2.238	1.558	1.827	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.164	1.751	0.924		0.705	1.073	1.776	1.931	2.226	1.974	1.881	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.755	0.793			1.444	1.364	1.852	1.736	2.166	1.594	1.561	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.024	1.336	0.888			0.922	1.55	1.731	2.107	1.901	1.757	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, April 12, 2022 5:44:45 AM
Attachments:	USST_20220408.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 4/8/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220408	US Serious EB05 20220408	US Fatal EB05 20220408	US Infant EB05 20220408	US Child EB05 20220408	US Teen EB05 20220408	US Adult1 EB05 20220408	US Adult2 EB05 20220408	US Adult3 EB05 20220408	US Female EB05 20220408	US Male EB05 20220408	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.039	1.603	0.925			0.376		1.532	1.866	2.056	2.681	1.411 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.125	1.591	0.876				1.624	2.079	2.003	2.765	1.446 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.064	1.337	1.016			0.443	1.457	2.044	1.94	2.389	1.732 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.85	0.965	0.877			0.514	0.979	0.78	0.684	2.617	1.495 Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.016	1.094	0.883				0.914	0.853	0.732	1.891	1.57 Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.906	1.308	0.9				1.467	1.454	1.685	2.123	1.318 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.473	1.834	0.903			0.479	2.086	2.023	2.095	3.485	1.493 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.159	1.496	0.879				1.883	1.785	1.321	2.339	1.432 Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.421	1.651	0.899			0.415	1.6	2.298	2.193	2.448	1.971 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.784	1.367	0.906			0.359	1.126	2.182	1.454	2.075	1.34 Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.363	0.832	0.87		0.612		0.556	0.797	1.599	1.794	1.987	1.684 Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.212	1.487	0.964	0.612		0.415	1.815	2.029	2.22	2.712	1.662 Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2	1.722	0.887				0.881	2.333	1.298	2.111	1.428 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.739	1.133	0.876				1.109	1.284	1.383	2.14	0.997 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.89	1.444	0.904	0.61		0.359	1.204	2.407	1.772	2.406	1.334 Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.792	1.432	0.926	0.609		0.271	1.161	2.321	1.78	2.193	1.335 Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.759	1.27	0.917			0.312	1.434	1.846	1.751	2.135	1.401 Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.878	1.365	0.939			0.373	1.35	2.121	1.891	2.22	1.492 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.843	1.251	0.914				1.048	2.036	1.527	1.935	1.536 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.836	1.333	0.948			0.42	1.223	2.063	1.905	2.149	1.381 Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.902	2.229	0.889			0.492	1.69	1.904	0.912	4.099	1.055 Other
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.807	1.31	0.921			0.251	1.081	1.902	1.805	2.416	1.172 Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.669	1.219	0.932			0.516	1.206	1.488	2.071	1.882	1.229 Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.815	1.317	0.9	0.609			1.346	2.034	1.71	1.917	1.617 Not an AE
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.648	1.334	0.88			0.201	1.371	1.975	1.209	2.029	0.903 Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.855	1.262	0.912				1.044	2.061	1.768	2.087	1.635 Other
COVID19 (COVID19 (JANSSEN))	Brain oedema	1.545	1.269	0.92				1.208	1.564	0.603	2.006	0.785
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.056	1.402	1.082				1.748	2.198	1.954	2.296	1.937 Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.703	2.084	0.873				1.819	3.011	1.038	2.531	2.252 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	CSF red blood cell count positive	2.004	1.743	0.873				1.398	1.944	0.984	1.992	1.478
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.326	1.603	0.928			0.511	1.684	1.915	1.468	3.348	1.139 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.834	1.941	0.922			0.519	1.352	1.599	1.168	3.893	1.084 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.301	1.626	0.876				1.115	1.288	1.605	3.199	1.225 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.206	2.182	0.907			0.515	2.431	2.285	0.879	3.941	1.229 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.767	1.271	0.937			0.332	1.323	1.889	1.843	2.058	1.591 Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.519	1.655	0.96	0.611		0.606	2.088	2.307	1.992	2.995	1.724 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.991	1.355	0.91			0.376	1.715	1.97	1.857	2.246	1.558 Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.056	1.405	0.919			0.449	1.4	2.044	1.992	2.223	1.688 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.591	1.169	0.963				1.154	1.608	1.506	2.026	1.51 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.584	1.774	0.979			0.451	2.178	2.287	3.022	3.269	2.003 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.924	1.39	1.193			0.365	1.368	2.127	1.844	2.101	1.821 Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.759	1.297	0.902			0.091	1.243	2.144	1.613	2.046	1.318 Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.768	1.37	0.92	0.61		0.287	1.268	2.133	1.701	2.066	1.388 Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.777	0.843	0.882			1.199	2.002	1.448	0.965	1839	1.411 Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.292	1.29	0.891			0.436	2.195	2.164	1.902	2.536	1.695 Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.145	1.454	0.965	0.612		0.299	1.706	2.289	2.17	2.457	1.623 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.93	1.089	0.875			0.427	1.678	2.056	1.021	2.19	1.358 Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.281	1.063	0.888			0.398	2.261	1.738	1.239	2.271	1.614 Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.876	1.275	0.892			0.396	1.264	1.743	1.587	2.173	1.243 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.71	1.224	0.907				1.222	1.469	1.446	2.398	1.065 Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.338	1.844	0.883			0.428	1.648	2.965	1.646	2.443	2.137 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.814	1.289	0.942	0.606		0.452	1.307	2.05	1.798	2.198	1.419 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.757	1.252	0.929	0.606		0.301	1.381	1.988	1.672	2.109	1.399 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.528	3.694	0.891				4.189	5.619	4.787	7.402	3.363 Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.177	3.452	0.873			0.541	4.713	5.818	0.74	7.275	2.866 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.892	1.316	0.944				1.479	2.058	1.85	2.364	1.648 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.088	1.751	0.869			0.018	1.915	2.502	1.424	2.228	1.706 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.826	1.396	1.07			0.027	1.409	2.099	2.016	2.292	1.557 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.836	1.245	0.885	0.746		0.38	1.551	1.952	1.45	2.33	1.29 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.015	1.227	0.878				1.389	2.064	0.914	2.085	1.252 Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.897	1.462	0.876				1.359	1.143	0.71	2.26	0.711 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.931	1.355	0.866				1.272	2.16	1.027	1.697	1.692 Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.085	1.692					1.075	2.728	1.044	1.75	1.81 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.723	1.257	0.93				1.393	1.703	1.868	2.272	1.506 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.668	1.24	0.914			0.22	1.009	2.089	1.853	2.058	1.306 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.362	1.101	0.899	0.607			1.012	1.493	1.241	2.02	0.644 Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.075	1.496	0.908	0.612		0.464	1.787	1.884	2.133	2.335	1.616 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.075	1.453	0.939	0.612		0.432	1.254	2.29	1.88	2.413	1.43 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.898	1.385	0.918			0.322	1.209	2.382	1.584	2.179	1.417 Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.127	1.537	1.022			0.469	1.074	2.258	1.986	2.102	1.987 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage decreased	1.543	1.23	0.913	0.61		0.236	0.884	1.92	1.983	2.233	1.105 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.497	1.202	0.888			0.086	1.132	1.649	1.641	2.227	0.819 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.713	1.271	0.912			0.265	1.106	2.095	1.792	1.985	1.404 Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.274	0.795					0.744	0.612		2.742	1.072 Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.33	0.607	0.884			7.999	1.197	1.294	0.885	1.448	1.924 Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.752	0.763					3.309				Other
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.529	0.865				0.503	1.528	2.159	1.116	2.194	1.421 Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	2.919	1.415	0.873			0.467	0.658	1.051	1.573	2.232	0.953 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.784	2.229	0.917	0.611		0.467	1.761	2.909	2.604	3016	1.864 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.857	1.3	0.908	0.607		0.273	1.447	2.093	1.572	2.192	1.455 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.723	1.853	0.892			0.381	2.083	2.729	2.142	3.176	1.664 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.024	3.426	0.874				4.317	3.696	0.799	5.924	2.34 Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.791	1.265	0.941				1.014	2.014	1.601	2.099	1.582 Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.621	0.842	0.874		0.72	2.052	0.074	0.002	0.518	1.672	1.834 Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.098	1.066					4.266				Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.948	1.451	0.934	0.746		0.303	1.448	2.346	1.697	2.477	1.494 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.229	1.57	1.051	0.613		0.581	1.76	2.033	2.563	2.493	1.862 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.057	1.453	0.901				1.664	1.564	1.949	2.092	1.849 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.818	1.291	0.925	0.607		0.511	1.344	2.048	1.691	2.057	1.502 Other
COVID19 (COVID19 (JANSSEN))	Red blood cell transfusion	1.698	1.182	0.888				1.175	1.278	1.184	2.004	0.939 Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.944	1.332	0.919	0.611		0.306	1.279	2.179	1.77	2.3	1.431 Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.349	1.011					2.338	0.5		1.086	0.731 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.396	1.678	0.878			0.528	1.814	1.987	1.613	2.615	1.742 Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.225	2.174	1.519			0.514	3.281	3.18	1.272	3.012	3.531 Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.024	0.77	0.874			0.644	3.591	6.58	15.094	7.751	5.725 Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.377						0.638		0.572	0.569	1.017 Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.079	1.399	0.886			0.502	1.406	1.581	1.503	2.107	1.387 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.292	1.739	0.934			0.366	1.588	2.423	1.771	2.46	1.761 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.683	2.096	1.721	0.613		0.724	1.967	2.407	3.574	2.932	2.333 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	5.023	2.905	0.892				1.915	2.608	0.569	5.557	1.448 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.212	1.799	0.873				1.887	1.256	0.626	2.181	0.895 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.402	1.439	0.91			0.709	1.932	2.22	2.208	2.68	1.769 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.682	1.808	0.924	0.612		0.518	2.415	2.24	2.793	3.249	2.064 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.46	1.665	0.916			0.421	2.173	2.056	1.969	2.475	1.852 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.888	1.077	0.876				1.231	2.031	1.669	1.883	1.319 Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.515	1.145	0.894	0.612		0.291	0.839	2.082	1.252	1.674	1.199 Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.365	3.102	2.511			0.487	1.616	3.015	5.781	2.42	2.571 Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.566	0.931					1.263	1.337	0.79	2	0.827 Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.052	0.894					0.981	1.671	1.031	1.848	1.122 Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.269	1.794	0.871				1.983	1.642	0.71	2.556	1.078 Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.62	2.085				0.6	2.392	1.722	0.667	3.15	1.284 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.999	2.243	0.878				3.635	1.989	1.055	4.807	1.215 Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.374	0.833	0.871	12.892	0.935		1.288	0.515		1.472	1.072
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.591	0.935		0.603	1.031		2.487	0.782	0.631	0.419	0.631
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.89	1.123					0.607	2.091	1.564	2.011	1.955
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.364	0.951	0.884		6.116		2.991	0.096	0.045	0.349	2.675
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.05	2.04	0.871				2.683	2.052	2.007	1.591	2.199
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.007	1.679	0.885				0.836	1.643	1.8	1.536	1.902
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.946	0.987	0.878		0.489		0.664	0.959	1.423	2.159	1.903	1.543
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.048	1.109	0.874		0.489		0.711	1.461	1.69	1.872	1.927	1.502
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.294	1.764	1.711	0.611		0.82	1.098	1.697	1.709	1.722	1.83	1.642
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.865	0.877				0.364		0.505	1.227
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.746	1.664	0.91	19.235		1.272	1.235	1.798	1.972	2.24	1.963	1.829
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.165	1.753	0.924			0.707	1.076	1.778	1.926	2.224	1.882
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.794	0.884			1.443	1.367	1.85	1.727	2.158	1.591	1.56
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.024	1.347	0.888			0.924	1.556	1.732	2.102	1.901	1.758

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, April 19, 2022 6:42:57 AM
Attachments:	USST_20220415.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 4/15/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220415	US Serious EB05 20220415	US Fatal EB05 20220415	US Infant EB05 20220415	US Child EB05 20220415	US Teen EB05 20220415	US Adult1 EB05 20220415	US Adult2 EB05 20220415	US Adult3 EB05 20220415	US Female EB05 20220415	US Male EB05 20220415	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.035	1.567	0.934			0.385	1.528	1.839	2.046	2.673		1.397 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.118	1.571	0.881				1.612	2.044	2.016	2.776		1.43 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.053	1.324	1.015			0.528	1.44	2.022	1.925	2.369		1.716 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.852	0.958	0.884				0.972	0.715	0.679	2.597		1.514 Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.016	1.091	0.89				0.907	0.85	0.727	1.882		1.566 Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.904	1.3	0.906				1.472	1.436	1.68	2.119		1.311 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.487	1.831	0.909			0.493	2.136	2.012	2.085	3.499		1.488 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.146	1.458	0.885				1.91	1.752	1.316	2.324		1.423 Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.42	1.653	0.912			0.421	1.591	2.302	2.229	2.48		1.968 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.784	1.369	0.91			0.369	1.112	2.197	1.476	2.105		1.334 Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.371	0.823	0.877			0.569	0.791	1.584	1.856	1.986		1.679 Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.211	1.474	0.973	0.619		0.428	1.812	2.018	2.22	2.725		1.647 Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.03	1.699	0.892				0.859	2.421	1.285	2.069		1.449 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.722	1.125	0.883				1.113	1.255	1.377	2.15		0.985 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.871	1.411	0.907	0.616		0.366	1.184	2.361	1.771	2.365		1.323 Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.784	1.408	0.927	0.615		0.267	1.144	2.295	1.774	2.18		1.321 Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.756	1.267	0.92			0.315	1.415	1.851	1.746	2.133		1.395 Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.875	1.358	0.941			0.381	1.336	2.113	1.891	2.211		1.487 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.844	1.249	0.918				1.043	2.024	1.541	1.922		1.539 Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.813	1.312	0.948			0.479	1.201	2.033	1.878	2.114		1.373 Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.94	2.195	0.895			0.506	1.74	1.933	0.902	4.006		1.047 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.807	1.31	0.925			0.198	1.074	1.929	1.783	2.431		1.178 Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.679	1.226	0.938			0.527	1.2	1.51	2.075	1.892		1.202 Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.816	1.316	0.903	0.616			1.328	2.026	1.732	1.924		1.61 Not an AE
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.638	1.32	0.887			0.108	1.352	1.988	1.199	2.007		0.913 Other
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.854	1.257	0.911				1.023	2.057	1.76	2.085		1.622 Other
COVID19 (COVID19 (JANSSEN))	Brain oedema	1.535	1.263	0.926				1.196	1.591	0.6	2.018		0.78
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.06	1.402	1.082				1.761	2.2	1.959	2.3		1.942 Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.634	2.019	0.878			0.525	1.747	3.07	1.018	2.428		2.193 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.325	1.588	0.934			0.533	1.708	1.902	1.466	3.355		1.138 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.953	1.933	0.927				1.381	1.601	1.164	3.882		1.08 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.322	1.719	0.882			0.529	1.278	1.326	1.608	3.51		1.222 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.259	2.191	0.916			0.529	2.499	2.506	0.878	3.958		1.224 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.768	1.27	0.941			0.338	1.315	1.887	1.846	2.061		1.586 Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.524	1.653	0.961	0.617			2.114	2.299	2.001	3.017		1.718 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.985	1.349	0.914			0.385	1.71	1.965	1.848	2.243		1.546 Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.057	1.403	0.925			0.463	1.393	2.049	1.986	2.234		1.681 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.589	1.165	0.961				1.169	1.608	1.506	2.025		1.506 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.586	1.761	0.991			0.465	2.185	2.272	3.007	3.27		1.994 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.914	1.395	1.189			0.372	1.388	2.108	1.87	2.118		1.822 Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.755	1.288	0.905			0.043	1.225	2.125	1.612	2.041		1.305 Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.763	1.357	0.92	0.616		0.282	1.254	2.114	1.697	2.066		1.372 Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.78	0.843	0.889			1.192	2.006	1.451	0.963	1.839		1.418 Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.284	1.293	0.898	0.447			2.185	2.162	1.904	2.532		1.692 Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.155	1.457	0.968	0.618		0.301	1.709	2.298	2.178	2.489		1.63 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.917	1.091	0.882			0.439	1.66	2.04	1.031	2.19		1.333 Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.288	1.06	0.894			0.409	2.299	1.715	1.242	2.274		1.611 Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.844	1.254	0.898			0.402	1.223	1.706	1.576	2.155		1.217 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.691	1.211	0.911				1.223	1.44	1.437	2.382		1.057 Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.335	1.842	0.89			0.439	1.642	3.075	1.651	2.433		2.158 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.811	1.282	0.941	0.612		0.505	1.296	2.049	1.79	2.185		1.421 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.753	1.245	0.93	0.613		0.353	1.366	1.98	1.668	2.1		1.396 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.527	3.709	0.897				4.18	5.604	4.868	7.395		3.405 Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.195	3.466	0.88			0.554	4.668	5.674	0.738	7.296		2.988 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.901	1.32	0.957				1.483	2.054	1.865	2.379		1.646 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.08	1.73	0.875			0.011	1.871	2.554	1.419	2.231		1.706 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.827	1.392	1.063			0.022	1.405	2.09	2.028	2.298		1.556 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.818	1.233	0.887	0.754		0.39	1.531	1.932	1.435	2.295		1.285 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.02	1.21	0.884				1.387	2.029	0.911	2.055		1.247 Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.92	1.455	0.883				1.384	1.123	0.707	2.322		0.711 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.937	1.362	0.873				1.275	2.174	1.026	1.681		1.731 Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.053	1.635					1.057	2.737	1.029	1.698		1.793 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.733	1.265	0.943				1.383	1.714	1.883	2.245		1.497 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.675	1.239	0.917			0.198	1	2.094	1.85	2.072		1.297 Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.345	1.095	0.905	0.613		0.277	0.996	1.468	1.239	2.006		0.659 Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.065	1.492	0.913			0.477	1.779	1.881	2.128	2.334		1.608 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.066	1.426	0.94	0.619		0.445	1.234	2.283	1.858	2.383		1.426 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.669	1.257	0.913			0.278	1.093	1.981	1.441	2.014		0.989 Other
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.882	1.373	0.92			0.324	1.174	2.395	1.588	2.161		1.411 Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.118	1.516	1.02			0.483	1.106	2.252	1.972	2.07		2.002 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage decreased	1.542	1.225	0.915	0.616		0.224	0.867	1.917	1.975	2.212		1.102 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.479	1.185	0.893			0.25	1.103	1.616	1.62	2.159		0.833 Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.718	1.27	0.915			0.258	1.097	2.103	1.782	1.996		1.393 Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.393	0.784					0.744	0.612		2.941		1.075 Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.33	0.623	0.891			7.971	1.213	1.29	0.885	1.447		1.937 Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.781	0.753					3.431	1.08		2.278		Other
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.546	0.872				0.517	1.539	2.209	1.119	2.192		1.456 Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.204	1.389	0.879			0.481	0.656	1.034	1.581	2.348		0.95 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.796	2.204	0.922	0.617		0.262	1.761	2.938	2.594	3.025		1.83 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.864	1.3	0.911	0.613			1.442	2.08	1.594	2.211		1.443 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.731	1.851	0.898			0.45	2.077	2.762	2.15	3.175		1.673 Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.014	3.463	0.881				4.296	4.57	0.801	5.91		2.635 Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.781	1.27	0.948				1.02	1.996	1.619	2.111		1.574 Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.616	0.831	0.88		0.72	2.053	0.073	0.002	0.515	1.668		1.835 Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.1	1.048					4.078			2.637		Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.942	1.427	0.936	0.753		0.304	1.431	2.328	1.682	2.446		1.486 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.226	1.567	1.045	0.619		0.589	1.752	2.04	2.561	2.49		1.869 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.048	1.438	0.907				1.668	1.545	1.946	2.091		1.84 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.81	1.277	0.924	0.613		0.521	1.323	2.035	1.673	2.022		1.494 Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.949	1.323	0.921	0.617		0.296	1.255	2.182	1.761	2.295		1.414 Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.356	1.004					2.642	0.505		1.08		0.73 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.38	1.611	0.885			0.542	1.788	1.964	1.629	2.662		1.698 Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.235	2.187	1.504			0.526	3.286	3.285	1.278	3.02		3.539 Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.026	0.76	0.881			0.654	3.615	6.571	15.204	7.751		5.722 Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.639							0.636		0.568		1.025 Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.069	1.381	0.892			0.516	1.41	1.557	1.503	2.113		1.376 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.302	1.729	0.938			0.372	1.588	2.432	1.758	2.465		1.756 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.69	2.106	1.745	0.619		0.73	1.978	2.417	3.543	2.939		2.341 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	5.144	2.924	0.898				2.099	3.097	0.565	5.548		1.436 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.27	1.765	0.88				1.935	1.234	0.622	2.196		0.892 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.388	1.427	0.914			0.716	1.917	2.216	2.2	2.672		1.765 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.685	1.796	0.936	0.619		0.532	2.435	2.24	2.793	3.272		2.059 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.453	1.642	0.92			0.433	2.171	2.037	1.958	2.464		1.84 Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.873	1.073	0.882				1.211	2.01	1.649	1.854		1.308 Not an AE
COVID19 (COVID19 (JANSSEN))	Urobilinogen urine increased	1.516	1.144	0.899	0.618		0.274	0.834	2.079	1.241	1.68		1.186 Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.366	3.065	2.453			0.5	1.615	3.049	5.74	2.418		2.575 Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.604	0.898					1.26	1.311	0.789	2.014		0.817 Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.059	0.884					0.979	1.652	1.032	1.847		1.116 Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.295	1.775	0.878				2.007	1.623	0.707	2.568		1.073 Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.693	2.052				0.611	2.497	1.635	0.664	3.231		1.198 Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.996	2.238	0.884			0.912	3.68	1.999	1.056	4.859		1.197 Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.371	0.821		10.429	0.912		1.288		0.519			1.066
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.59	0.934	0.877	0.609	1.016		2.495	0.784	0.632	0.417	0.668	0.631
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.899	1.097			0.618		2.102	1.566	0.845	2.017		1.906
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.365	0.944	0.891		6.106		2.996	2.095	0.045	2.569		2.677
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.049	2.04	0.878				2.821	2.056	2.006	1.589	1.987	2.199
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.003	1.667	0.892			0.837	1.633	1.798	1.538	1.919		1.902
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.945	0.984	0.884			0.48	0.671	0.957	1.413	2.162	1.904	1.539
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.045	1.102	0.881	0.617		0.48	0.742	1.468	1.682	1.874	1.929	1.501
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.294	1.765	1.717	0.617	0.826		1.099	1.696	1.705	1.725	1.831	1.844
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.792	0.855	0.884	16.202			0.362			0.505		1.226
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.747	1.66	0.916			1.282	1.234	1.796	1.971	2.243	1.965	1.828
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.167	1.754	0.93			0.708	1.077	1.782	1.923	2.225	1.975	1.883
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.754	0.783				1.445	1.365	1.848	1.725	2.161	1.591	1.557
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.024	1.341	0.894				0.924	1.555	1.729	2.104	1.903	1.757

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, May 3, 2022 6:23:48 AM
Attachments:	USST_20220429.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 4/29/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220429	US Serious EB05 20220429	US Fatal EB05 20220429	US Infant EB05 20220429	US Child EB05 20220429	US Teen EB05 20220429	US Adult1 EB05 20220429	US Adult2 EB05 20220429	US Adult3 EB05 20220429	US Female EB05 20220429	US Male EB05 20220429	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.044	1.551	0.936				1.518	1.847	2.059	2.739	1.378	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.106	1.558	0.875				1.597	2.047	2.012	2.791	1.414	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.059	1.322	1.019			0.456	1.44	2.028	1.956	2.433	1.711	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	2.849	0.958	0.88			0.528	0.968	0.717	0.68	2.589	1.514	Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.016	1.092	0.887				0.87	0.885	0.729	1.875	1.605	Other
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.899	1.293	0.905				1.457	1.439	1.683	2.102	1.314	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.459	1.812	0.908			0.489	2.119	1.98	2.127	3.479	1.471	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.129	1.411	0.881				1.844	1.753	1.293	2.281	1.405	Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.417	1.638	0.907			0.418	1.594	2.296	2.209	2.465	1.964	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.78	1.363	0.909			0.366	1.107	2.197	1.482	2.093	1.339	Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.371	0.821	0.873			0.569	0.788	1.578	1.889	1.981	1.661	Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.21	1.475	0.983	0.619		0.425	1.812	2.022	2.261	2.748	1.653	Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.036	1.717	0.894				0.91	2.462	1.279	2.195	1.434	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.713	1.132	0.879				1.113	1.245	1.429	2.201	0.984	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.854	1.388	0.913	0.616		0.365	1.15	2.338	1.778	2.363	1.3	Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.79	1.405	0.933	0.615		0.261	1.129	2.31	1.777	2.198	1.313	Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.755	1.263	0.921			0.31	1.404	1.852	1.759	2.157	1.383	Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.868	1.349	0.945			0.378	1.342	2.11	1.88	2.218	1.48	Other
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.836	1.246	0.92				1.057	2.007	1.583	1.945	1.541	Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.809	1.31	0.955			0.47	1.199	2.051	1.889	2.142	1.364	Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.91	2.181	0.892			0.503	1.747	1.935	0.899	3.977	1.043	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.813	1.299	0.925			0.187	1.063	1.948	1.766	2.407	1.178	Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.669	1.212	0.933			0.519	1.191	1.512	2.048	1.879	1.227	Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.817	1.313	0.905	0.616			1.327	2.026	1.741	1.935	1.607	Not an AE
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.859	1.253	0.909				1.015	2.057	1.762	2.11	1.609	Other
COVID19 (COVID19 (JANSSEN))	Brain oedema	1.523	1.249	0.925				1.197	1.563	0.602	2.025	0.77	Other
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.067	1.412	1.096				1.826	2.22	2.014	2.396	1.954	Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.607	2.003	0.875				1.733	3.014	1.01	2.404	2.157	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.317	1.581	0.935			0.525	1.711	1.887	1.473	3.343	1.137	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	3.067	1.976	0.928			0.533	1.384	1.713	1.169	3.012	1.143	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.402	1.725	0.879				1.364	1.324	1.622	3.554	1.227	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.219	2.165	0.915			0.529	2.496	1.895	1.888	3.907	1.225	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.769	1.277	0.952			0.336	1.31	1.895	1.888	2.095	1.597	Confounded-Indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.52	1.655	0.964	0.618		0.613	2.121	2.302	2.035	3.044	1.722	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.988	1.345	0.913			0.383	1.691	1.996	1.846	2.265	1.534	Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.05	1.411	0.926			0.462	1.383	2.045	2.052	2.261	1.687	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Death	1.593	1.167	0.963				1.18	1.625	1.522	2.054	1.509	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.591	1.779	1.004			0.465	2.202	2.277	3.066	3.28	2.021	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	1.913	1.384	1.16			0.368	1.385	2.122	1.879	2.125	1.831	Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.763	1.293	0.913			0.042	1.203	2.125	1.663	2.087	1.297	Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.78	1.362	0.93	0.616		0.277	1.254	2.123	1.729	2.082	1.385	Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.783	0.859	0.889			1.189	2.014	1.453	0.971	1.843	1.426	Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.283	1.296	0.896			0.446	2.196	2.172	1.987	2.55	1.712	Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.166	1.455	0.987	0.619		0.3	1.716	2.296	2.038	2.489	1.628	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.911	1.083	0.878			0.439	1.656	2.038	1.03	2.189	1.33	Not an AE
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.262	1.052	0.892			0.406	2.252	1.718	1.241	2.256	1.599	Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.834	1.237	0.897			0.402	1.209	1.703	1.585	2.151	1.193	Other
COVID19 (COVID19 (JANSSEN))	Glomerular filtration rate decreased	1.766	1.139	0.935				1.006	1.908	1.547	2.002	1.356	Other
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.663	1.175	0.907				1.216	1.416	1.393	2.281	1.039	Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.336	1.836	0.887			0.44	1.639	3.102	1.649	2.438	2.166	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.81	1.276	0.94	0.612		0.504	1.299	2.045	1.782	2.185	1.416	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.75	1.238	0.93	0.613		0.396	1.363	1.974	1.663	2.091	1.401	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.508	3.636	0.895				4.184	5.513	4.677	7.312	3.389	Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.199	3.459	0.876			0.555	4.665	5.709	0.739	7.261	3.05	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	1.912	1.323	0.964				1.485	2.087	1.889	2.44	1.649	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.08	1.721	0.87			0.011	1.89	2.546	1.405	2.254	1.689	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.832	1.394	1.073			0.022	1.424	2.1	2.057	2.336	1.559	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.823	1.222	0.884	0.754		0.388	1.529	1.926	1.447	2.309	1.276	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	2.021	1.205	0.881				1.385	2.03	0.913	2.052	1.25	Not an AE
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.948	1.474	0.88				1.402	1.124	0.708	2.401	0.711	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.936	1.358	0.868				1.268	2.183	1.019	1.672	1.743	Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.081	1.657					1.095	2.759	1.018	1.751	1.78	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.732	1.281	0.946				1.356	1.736	1.952	2.301	1.518	Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.676	1.236	0.921			0.193	0.995	2.093	1.846	2.074	1.291	Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.327	1.093	0.903	0.614		0.267	0.986	1.448	1.285	2	0.652	Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.065	1.481	0.911			0.477	1.778	1.876	2.147	2.343	1.606	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.063	1.417	0.948	0.619		0.445	1.249	2.241	1.884	2.382	1.422	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.678	1.269	0.924			0.269	1.113	1.952	1.521	2.054	0.992	Other
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.858	1.333	0.912			0.321	1.17	2.342	1.569	2.129	1.392	Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.127	1.528	1.031			0.483	1.097	2.299	2.004	2.141	2.005	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage decreased	1.53	1.218	0.914	0.616		0.218	0.845	1.913	1.988	2.205	1.094	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.484	1.203	0.89			0.325	1.085	1.643	1.677	2.205	0.836	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.72	1.267	0.92			0.255	1.094	2.1	1.785	1.999	1.391	Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	2.39	0.786					0.745	0.612		2.949	1.075	Other
COVID19 (COVID19 (JANSSEN))	Off label use	1.313	0.622	0.888			8.051	1.186	1.311	0.907	1.472	1.933	Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.781	0.754					3.443	0.983		2.289		Other
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.52	0.87				0.517	1.512	2.222	1.12	2.185	1.45	Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.21	1.389	0.876				0.656	1.035	1.591	2.381	0.95	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.805	2.2	0.918	0.618		0.479	1.784	2.963	2.734	3.048	1.838	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.871	1.314	0.916	0.614		0.262	1.428	2.105	1.647	2.239	1.461	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.74	1.843	0.895			0.45	2.095	2.767	2.185	3.194	1.688	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	6.015	3.279	0.877				4.299	4.624	0.802	5.729	2.245	Not an AE
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	1.785	1.283	0.955				1.021	2.022	1.669	2.232	1.568	Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.617	0.832	0.877		0.719	2.058	0.043	0.002	0.517	1.671	1.831	Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	1.101	1.048					4.097			2.719		Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.926	1.408	0.937	0.754		0.301	1.426	2.311	1.671	2.459	1.85	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.239	1.581	1.115	0.619		0.589	1.762	2.047	2.635	2.496	1.9	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.062	1.467	0.906			0.567	1.739	1.574	1.926	2.17	1.842	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.813	1.278	0.924	0.613		0.291	1.343	2.039	1.672	2.04	1.501	Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.952	1.322	0.925	0.617			1.27	2.169	1.776	2.298	1.418	Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.357	1.004					2.676	0.505		1.081	0.73	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.37	1.634	0.882			0.542	1.781	1.961	1.649	2.619	1.729	Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.226	2.214	1.572			0.528	3.265	3.229	1.265	2.944	3.499	Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	7.018	0.758	0.877			0.654	3.619	6.586	15.035	7.73	5.721	Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.637						0.636		0.568	0.561	1.025	Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	2.051	1.357	0.889			0.516	1.403	1.539	1.499	2.096	1.364	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.325	1.743	0.952			0.371	1.583	2.44	1.854	2.502	1.776	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.697	2.107	1.749	0.619		0.729	1.98	2.449	3.561	2.948	2.362	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	5.144	2.926	0.896				2.134	3.666	0.565	5.574	1.453	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.272	1.621	0.876				1.944	1.23	0.622	2.181	0.892	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.382	1.417	0.912			0.717	1.893	2.214	2.175	2.669	1.743	Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.699	1.823	0.954	0.619		0.532	2.445	2.445	2.841	3.31	2.078	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.434	1.626	0.922			0.433	2.125	2.028	1.961	2.454	1.813	Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound scan normal	1.867	1.08	0.878				1.205	2	1.65	1.835	1.324	Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.362	3.083	2.483			0.499	1.591	3.016	5.786	5.786	2.561	Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.604	0.895					1.26	1.371	0.791	2.096	0.818	Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.065	0.906	0.875				0.976	1.578	1.127	1.846	1.111	Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.297	1.766	0.874				2.003	1.62	0.708	2.549	1.075	Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.695	2.031				0.612	2.479	1.627	0.664	3.169	1.199	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.999	2.234	0.881				3.729	2.002	1.06	4.917	1.198	Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.37	0.822		10.532	0.911		1.286	0.519		1.467	1.062	
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.589	0.953	0.876	0.609	1.019	2.461	0.783	0.633	0.42	0.669	0.631	
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	0.899	1.138				0.605	2.075	1.544	0.84	1.996	1.938	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.367	0.978	0.888	0.135	6.177	2.971	0.112	0.043	0.363	2.548	2.646	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.048	2.038	0.874			2.785	2.048	1.999	1.586	1.981	2.188	
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.003	1.668	0.889			0.836	1.615	1.799	1.535	1.911	1.899	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.945	0.984	0.877		0.481	0.695	0.744	0.957	1.432	2.173	1.912	1.546
COVID19 (COVID19 (PFIZER-BIONTECH))	Disease recurrence	2.046	1.101	0.877			0.481	0.744	1.469	1.489	1.878	1.921	1.512
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.301	1.756	1.707	0.618	0.842	1.115	1.708	1.717	1.745	1.831	1.854	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.793	0.855	0.88	16.407						0.507	1.234	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	1.747	1.657	0.915		1.285	1.242	1.802	1.979	2.255	1.976	1.84	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.168	1.746	0.929		0.715	1.085	1.792	1.929	2.233	1.983	1.89	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.752	0.783			1.46	1.374	1.849	1.723	2.157	1.595	1.566	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	2.025	1.347	0.892			0.943	1.559	1.743	2.103	1.907	1.762	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, May 10, 2022 5:46:09 AM
Attachments:	USST_20220506.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/6/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220506	US Serious EB05 20220506	US Fatal EB05 20220506	US Infant EB05 20220506	US Child EB05 20220506	US Teen EB05 20220506	US Adult1 EB05 20220506	US Adult2 EB05 20220506	US Adult3 EB05 20220506	US Female EB05 20220506	US Male EB05 20220506	Comment
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.064	1.546	0.932			0.381	1.506	1.86	2.065	2.755	1.374	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.092	1.562	0.881				1.609	2.056	2	2.763	1.428	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.081	1.34	0.991				0.79	1.682	1.807	1.618	1.906	
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.09	1.323	1.017			0.456	1.43	2.023	1.979	2.445	1.72	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.336	0.98	0.884			0.529	1.015	0.717	0.68	2.622	1.515	Other
COVID19 (COVID19 (JANSSEN))	Adverse event	2.557	1.095	0.89				0.871	0.882	0.73	1.878	1.609	Other
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.304	1.965					1.303	1.444		0.907	1.671	
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.918	1.293	0.907			0.489	1.456	1.44	1.681	2.104	1.313	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.537	1.811	0.912				2.19	1.955	2.118	3.41	1.493	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.115	1.428	0.885				1.844	1.787	1.291	2.269	1.446	Not an AE
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.304	1.635	0.912			0.415	1.607	2.294	2.216	2.475	1.962	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.809	1.368	0.91			0.366	1.103	2.229	1.469	2.083	1.358	Other
COVID19 (COVID19 (JANSSEN))	Antibody test	2.109	0.823	0.877			0.57	0.795	1.58	1.892	1.987	1.66	Not an AE
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.17	1.471	0.974	0.619		0.423	1.81	2.041	2.247	2.753	1.651	Other
COVID19 (COVID19 (JANSSEN))	Areflexia	2.137	1.719	0.9				0.905	2.482	1.344	2.256	1.458	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.879	1.166	0.885				1.303	1.231	1.427	2.244	1.024	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.872	1.392	0.922	0.616		0.361	1.175	2.324	1.781	2.363	1.307	Other
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.788	1.41	0.936	0.615		0.258	1.148	2.325	1.756	2.195	1.328	Other
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.812	1.266	0.925			0.309	1.435	1.862	1.746	2.169	1.386	Other
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.864	1.349	0.948			0.375	1.349	2.109	1.868	2.2	1.491	Other
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.823	1.309	0.957			0.469	1.227	2.039	1.865	2.149	1.357	Other
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.809	2.197	0.894			0.503	1.747	2.171	0.885	4.054	1.039	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.81	1.312	0.926			0.173	1.08	1.972	1.771	2.417	1.202	Other
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.693	1.214	0.938			0.517	1.21	1.52	2.027	1.881	1.235	Other
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.827	1.31	0.903	0.616			1.33	2.02	1.74	1.941	1.604	Not an AE
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.891	1.257	0.909				1.029	2.065	1.764	2.134	1.605	Other
COVID19 (COVID19 (JANSSEN))	Brain oedema	1.558	1.246	0.926				1.196	1.555	0.602	2.011	0.77	Other
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.204	1.409	1.092				1.807	2.221	2.022	2.393	1.962	Other
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.571	2.007	0.878			0.526	1.782	2.982	1.01	2.459	2.158	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.218	1.583	0.935			0.533	1.711	1.889	1.471	3.349	1.136	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.82	1.98	0.929				1.384	1.716	1.17	3.922	1.144	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.656	1.741	0.882			0.529	1.364	1.365	1.626	3.543	1.265	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.292	2.147	0.917				2.48	2.342	0.879	3.857	1.225	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.867	1.28	0.955			0.333	1.333	1.897	1.891	2.109	1.597	Confounded-indication
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.441	1.657	0.968	0.618		0.613	2.144	2.296	2.041	3.039	1.73	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	2.005	1.344	0.916			0.383	1.714	1.992	1.843	2.274	1.537	Not an AE
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.017	1.407	0.928			0.463	1.386	2.062	2.028	2.266	1.686	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	2.022	1.287	0.886				0.497	0.896	1.968	1.089	1.635	
COVID19 (COVID19 (JANSSEN))	Death	1.832	1.165	0.962				1.189	1.628	1.526	2.059	1.51	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.601	1.784	1.024			0.465	2.194	2.28	3.097	3.287	2.022	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.063	1.38	1.144			0.388	1.415	2.107	1.876	2.118	1.834	Labeled
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.773	1.292	0.92				1.238	2.086	1.665	2.086	1.305	Other
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.798	1.362	0.933	0.616		0.275	1.276	2.116	1.708	2.075	1.395	Other
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.752	0.856	0.892				1.188	2.017	1.451	0.97	1.845	1.425	Labeled
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.277	1.294	0.897			0.446	2.193	2.161	1.974	2.544	1.695	Other
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.133	1.447	0.981	0.619		0.298	1.719	2.29	2.191	2.499	1.617	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.968	1.082	0.882			0.439	1.656	2.041	1.029	2.193	1.328	Not an AE
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.088	1.412		0.756			0.654			1.435	1.732	
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.227	1.043	0.894			0.406	2.252	1.7	1.238	2.253	1.587	Labeled
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.816	1.242	0.904			0.401	1.231	1.701	1.599	2.181	1.193	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.706	1.154	0.906				1.216	1.392	1.364	2.233	1.019	Other
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.462	1.838	0.89			0.44	1.639	3.107	1.646	2.439	2.167	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.804	1.276	0.941	0.612		0.503	1.308	2.04	1.778	2.188	1.416	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.759	1.241	0.934	0.613		0.396	1.372	1.977	1.665	2.1	1.404	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.727	3.628	0.898				4.184	5.517	4.497	7.267	3.394	Not an AE
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.456	3.469	0.88			0.555	4.665	5.717	0.739	7.267	3.063	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.056	1.322	0.958				1.511	2.085	1.891	2.436	1.66	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.068	1.72	0.873			0.011	1.885	2.549	1.405	2.248	1.696	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Intensive care	1.939	1.4	1.07			0.022	1.428	2.11	2.068	2.338	1.581	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.79	1.225	0.89	0.754		0.388	1.549	1.943	1.432	2.317	1.279	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.901	1.209	0.885				1.385	2.032	0.918	2.051	1.251	Not an AE
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.638	1.767	0.909				0.84	1.408	0.996	1.734	1.594	
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.831	1.452	0.884				1.387	1.125	0.708	2.353	0.711	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.873	1.36	0.873				1.265	2.188	1.018	1.681	1.738	Not an AE
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.148	1.707					1.128	2.83	1.023	1.785	1.814	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.985	1.29	0.945				1.384	1.741	1.972	2.327	1.529	Other
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.681	1.234	0.924			0.19	1.002	2.094	1.824	2.065	1.294	Other
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.065	1.477	0.912			0.477	1.768	1.877	2.139	2.323	1.612	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.071	1.409	0.946	0.619		0.445	1.26	2.212	1.885	2.381	1.407	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.713	1.268	0.926			0.268	1.123	1.945	1.511	2.053	0.997	Other
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.87	1.325	0.912			0.319	1.164	2.343	1.555	2.119	1.391	Other
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.282	1.529	1.027			0.483	1.164	2.291	1.993	2.126	2.026	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.528	1.22	0.917	0.616		0.213	0.839	1.935	1.98	2.248	1.109	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.519	1.204	0.893			0.324	1.083	1.658	1.659	2.194	0.846	Other
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.725	1.266	0.924			0.252	1.105	2.104	1.763	1.989	1.398	Other
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.048	0.786					0.744	0.62		2.953	1.075	Other
COVID19 (COVID19 (JANSSEN))	Off label use	2.021	0.602	0.892			8.105	1.182	1.305	0.932	1.467	1.952	Not an AE
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.783	0.754					3.445	0.983		2.289		Other
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.228	0.866				0.517	1.506	2.218	1.107	2.173	1.445	Not an AE
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.17	1.394	0.88				0.656	1.034	1.593	2.383	0.95	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count	2.671	2.186	0.92	0.618		0.479	1.788	2.931	2.696	3.029	1.822	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.867	1.315	0.918	0.614		0.261	1.424	2.11	1.654	2.242	1.462	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.568	1.836	0.898			0.451	2.095	2.761	2.147	3.161	1.689	Not an AE
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.784	3.291	0.881				4.298	4.639	0.804	5.736	2.253	Not an AE
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.085	1.475	0.882				0.859	1.662	1.026	2.023	1.275	
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.035	1.29	0.953				1.014	2.074	1.655	2.217	1.604	Other
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.773	0.831	0.881		0.719	2.061	0.041	0.002	0.518	1.672	1.83	Not an AE
COVID19 (COVID19 (JANSSEN))	Prolonged labour	4.623	1.15					4.623			4.483		Other
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.93	1.405	0.94	0.754		0.299	1.431	2.309	1.654	2.449	1.46	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.228	1.579	1.094	0.619		0.59	1.766	2.06	2.615	2.499	1.895	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.28	1.472	0.906				1.734	1.611	1.913	2.162	1.864	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.807	1.28	0.927	0.614		0.566	1.357	2.038	1.665	2.045	1.501	Other
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.957	1.315	0.929	0.617		0.29	1.304	2.137	1.768	2.292	1.411	Other
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.367	1.004					2.681	0.505		1.081	0.73	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Sensory disturbance	2.007	1.317	0.886				1.43	1.852	1.408	1.839	1.796	
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.538	1.595	0.885			0.542	1.781	1.952	1.656	2.6	1.73	Other
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.491	2.221	1.581			0.528	3.213	3.177	1.251	2.911	3.457	Other
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.559	0.758	0.881			0.654	3.618		6.59	15.05	7.734	5.73	Other
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.636						0.636	0.568	0.561	1.025	Other
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.951	1.334	0.892			0.513	1.388	1.525	1.49	2.067	1.351	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.284	1.746	0.947			0.371	1.582	2.467	1.844	2.522	1.779	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.879	2.114	0.882	0.619		0.729	1.981	2.458	3.568	5.582	2.37	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	5.897	2.937	0.899				2.136	3.791	0.565	5.582	1.459	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.148	1.601	0.881				1.912	1.23	0.623	2.157	0.892	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.356	1.427	0.912			0.717	1.905	2.222	1.963	2.674	1.749	Not an AE
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.697	1.826	0.952	0.619		0.532	2.468	2.285	2.83	3.326	2.081	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.37	1.628	0.921			0.431	2.162	2.023	1.986	2.474	1.819	Not an AE
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.64	1.081	2.507			0.493	1.569	2.942	5.633	2.524	2.546	Other
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.923	0.893					1.26	1.61	0.708	2.5	0.815	Other
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.112	0.906	0.879				0.976	1.579	1.133	1.851	1.111	Labeled
COVID19 (COVID19 (JANSSEN))	Venogram	2.349	1.769	0.878				1.99	1.61	0.708	2.534	1.069	Not an AE
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.625	2.034				0.612	2.481	1.628	0.665	3.171	1.199	Reviewed, Regulatory Action
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.955	2.238	0.885				3.73	2.003	1.06	4.918	1.198	Not an AE
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.461	0.822		10.405	0.91		1.286	1.538	0.519	1.467	1.061	
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.667	0.953	0.88	0.609	1.021	2.461	0.784	0.634	0.421	0.669	0.632	
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.053	1.137				0.67	2.079	1.554	0.838	2.001	1.943	
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.541	1.02	0.891	0.373	6.15	2.974	0.129	0.057	0.363	2.2	2.644	
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.144	2.038	0.878			2.796	2.045	1.998	1.584	1.98	2.186	
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.104	1.667	0.892			0.836	1.631	1.792	1.536	1.915	1.889	
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.948	0.984	0.885		0.481	0.696	0.957	1.438	2.179	1.915	1.547	
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.077	1.758	1.71	0.618	0.845	1.117	1.714	1.911	1.747	1.766	1.827	
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.853	0.855	0.884	16.436			0.363			0.507	1.234	
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.049	1.66	0.916		1.285	1.243	1.802	1.981	2.263	1.978	1.842	
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.031	1.745	0.929		0.716	1.085	1.793	1.931	2.243	1.983	1.892	
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.61	0.783	0.881		1.462		1.373	1.845	1.722	2.152	1.592	1.565	
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.94	1.346	0.895			0.943	1.558	1.745	2.109	1.906	1.764	

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	Weekly data mining
Date:	Tuesday, May 17, 2022 6:18:18 AM
Attachments:	USST_20220513.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/13/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220513	US Serious EB05 20220513	US Fatal EB05 20220513	US Infant EB05 20220513	US Child EB05 20220513	US Teen EB05 20220513	US Adult1 EB05 20220513	US Adult2 EB05 20220513	US Adult3 EB05 20220513	US Female EB05 20220513	US Male EB05 20220513
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.062	1.54	0.932			0.382	1.504	1.865	2.049	2.751	1.372
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.064	1.534	0.883				1.59	2.027	1.975	2.714	1.406
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.085	1.333	0.998				0.79	1.676	1.832	1.61	1.922
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.092	1.322	1.014			0.455	1.42	2.033	1.98	2.421	1.739
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.343	0.975	0.888			0.529	0.973	0.718	0.681	2.622	1.485
COVID19 (COVID19 (JANSSEN))	Adverse event	2.564	1.092	0.894				0.871	1.864	0.731	1.864	1.644
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.226	1.907	1.907				1.304	1.41		0.906	1.624
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.907	1.282	0.909				1.453	1.427	1.677	2.099	1.303
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.535	1.808	0.914			0.49	2.192	1.956	2.11	3.397	1.494
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.081	1.402	0.888				1.801	1.758	1.287	2.254	1.406
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.289	1.621	0.912			0.416	1.598	2.281	2.198	2.45	1.953
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.808	1.365	0.91			0.367	1.103	2.22	1.478	2.091	1.353
COVID19 (COVID19 (JANSSEN))	Antibody test	2.114	0.822	0.882			0.57	0.792	1.574	1.896	2.002	1.652
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.172	1.466	0.971		0.619	0.421	1.827	2.029	2.245	2.758	1.649
COVID19 (COVID19 (JANSSEN))	Application site pain	2.001						0.56	0.635	0.678	1.036	0.764
COVID19 (COVID19 (JANSSEN))	Areflexia	2.147	1.724	0.902				0.957	2.413	1.343	2.312	1.449
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.845	1.164	0.889			0.616	1.213	1.231	1.417	2.232	0.983
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.873	1.383	0.928		0.616	0.361	1.172	2.28	1.806	2.319	1.328
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.79	1.408	0.944		0.615	0.256	1.143	2.303	1.794	2.182	1.342
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.81	1.263	0.929			0.307	1.447	1.844	1.751	2.16	1.39
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.858	1.342	0.951			0.375	1.348	2.087	1.875	2.188	1.491
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.812	1.302	0.953			0.469	1.214	2.022	1.86	2.139	1.346
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.814	2.199	0.897			0.503	1.748	2.173	0.885	4.053	1.039
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.805	1.303	0.928			0.17	1.077	1.961	1.766	2.364	1.214
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.699	1.216	0.938			0.516	1.236	1.512	2.04	1.889	1.24
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.823	1.306	0.904		0.616		1.33	2.016	1.736	1.958	1.587
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.888	1.251	0.913				1.022	2.048	1.773	2.128	1.602
COVID19 (COVID19 (JANSSEN))	Brain oedema	1.58	1.269	0.931				1.196	1.597	0.603	2.011	0.806
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.212	1.41	1.093				1.804	2.238	2.027	2.39	1.978
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.589	2.018	0.882				1.847	2.985	1.005	2.517	2.16
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.229	1.596	0.939			0.526	1.712	1.878	1.508	3.333	1.161
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.828	1.982	0.93			0.534	1.384	1.716	1.629	3.923	1.144
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.653	1.738	0.886				1.364	1.361	1.629	3.528	1.265
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.31	2.158	0.919			0.53	2.517	2.344	0.879	3.882	1.225
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.865	1.28	0.957			0.333	1.318	1.89	1.902	2.104	1.599
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.438	1.655	0.966		0.618	0.614	2.145	2.296	2.033	3.031	1.729
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.999	1.338	0.916			0.381	1.711	1.983	1.841	2.275	1.526
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.001	1.395	0.926			0.463	1.376	2.046	2.009	2.248	1.673
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	2.032	1.287	0.89				0.497	2.06	1.995	1.089	1.646
COVID19 (COVID19 (JANSSEN))	Death	1.833	1.164	0.963				1.187	1.621	1.526	2.059	1.508
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.61	1.792	1.055			0.466	2.205	2.281	3.137	3.289	2.035
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.055	1.37	1.147			0.367	1.416	2.095	1.874	2.103	1.832
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.771	1.288	0.927			0.04	1.232	2.054	1.696	2.057	1.325
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.792	1.354	0.938		0.616	0.273	1.268	2.095	1.724	2.062	1.397
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.753	0.857	0.895			1.186	2.023	1.452	0.968	1.844	1.429
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.273	1.295	0.901			0.445	2.188	2.157	1.972	2.539	1.692
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.128	1.441	0.986		0.619	0.298	1.713	2.276	2.201	2.494	1.615
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.934	1.081	0.886			0.44	1.636	1.979	1.027	2.167	1.289
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.085	1.432		0.756			0.654			1.434	1.726
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.23	1.036	0.897			0.406	2.273	1.7	1.228	2.243	1.595
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.83	1.252	0.908			0.402	1.263	1.699	1.606	2.228	1.184
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.696	1.147	0.907				1.216	1.392	1.343	2.217	1.014
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.473	1.842	0.894			0.44	1.637	3.13	1.636	2.432	2.192
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.8	1.272	0.944		0.612	0.502	1.31	2.028	1.778	2.182	1.414
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.756	1.238	0.937		0.613	0.394	1.373	1.967	1.668	2.096	1.403
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.706	3.619	0.9				4.186	5.519	4.266	7.267	3.367
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.457	3.472	0.884			0.556	4.664	5.719	0.739	7.264	3.079
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.076	1.332	0.964				1.511	2.095	1.922	2.448	1.685
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.069	1.719	0.877			0.011	1.912	2.545	1.397	2.24	1.704
COVID19 (COVID19 (JANSSEN))	Intensive care	1.937	1.396	1.071			0.022	1.425	2.106	2.071	2.331	1.581
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.778	1.22	0.894		0.754	0.387	1.523	1.927	1.434	2.318	1.259
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.897	1.198	0.889				1.384	2.032	0.919	2.051	1.248
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.628	1.759	0.911				0.84	1.402	0.996	1.717	1.595
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.83	1.45	0.888				1.373	1.124	0.711	2.343	0.712
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.875	1.36	0.877				1.264	2.195	1.012	1.674	1.749
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.147	1.706					1.125	2.834	1.023	1.781	1.816
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.976	1.281	0.945			0.188	1.377	1.72	1.977	2.318	1.52
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.681	1.23	0.93			0.249	0.998	2.08	1.839	2.058	1.3
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage increased	1.414	1.097	0.91		0.614	0.249	1.009	1.421	1.315	2.006	0.661
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.056	1.468	0.914			0.475	1.764	1.866	2.132	2.329	1.592
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.043	1.383	0.942		0.619	0.446	1.243	2.197	1.851	2.355	1.384
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.701	1.258	0.925			0.263	1.117	1.939	1.496	2.04	0.991
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.866	1.28	0.917			0.319	1.16	2.316	1.576	2.107	1.394
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.269	1.515	1.019			0.483	1.161	2.278	1.978	2.113	2.015
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.521	1.214	0.918		0.616	0.212	0.845	1.915	1.958	2.173	1.105
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.533	1.208	0.898			0.323	1.097	1.645	1.678	2.191	0.856
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.722	1.262	0.929			0.25	1.101	2.088	1.775	1.981	1.4
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.051	0.787					0.744		0.612	2.951	1.075
COVID19 (COVID19 (JANSSEN))	Off label use	2.029	0.599	0.895			8.141	1.195	1.339	0.932	1.473	1.976
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.784	0.755					3.446	0.982			2.288
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.227	0.867				0.518	1.506	2.219	1.104	2.169	1.446
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.087	1.362	0.884		0.618		0.656	1.034	1.54	2.246	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count	2.66	2.187	0.918		0.618	0.48	1.84	2.864	2.725	3.025	1.802
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.872	1.317	0.922		0.614	0.259	1.446	2.106	1.667	2.241	1.472
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.562	1.82	0.901			0.451	2.095	2.757	2.134	3.151	1.686
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.782	3.298	0.885				4.298	4.645	0.805	5.733	2.261
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.3					0.88	1.957	1.308	1.429	1.993	2.022
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.072	1.425	0.886				0.859	1.646	1.026	2.024	1.268
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.045	1.292	0.963				1.014	2.083	1.664	2.225	1.613
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.772	0.832	0.885		0.72	2.063	0.041	0.002	0.514	1.671	1.832
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.177	1.345					5.05				5.149
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.925	1.39	0.941	0.754		0.299	1.447	2.283	1.657	2.448	1.454
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.237	1.584	1.105		0.619	0.59	1.773	2.066	2.618	2.512	1.902
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.286	1.482	0.909				1.726	1.631	1.913	2.161	1.878
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.806	1.276	0.932		0.614	0.564	1.36	2.024	1.67	2.038	1.501
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.959	1.316	0.935		0.617	0.286	1.303	2.118	1.789	2.285	1.425
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.368	1.004					2.691	0.505		1.08	0.73
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.552	1.646	0.889			0.539	1.774	1.986	1.662	2.577	1.767
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.5	2.225	1.59			0.528	3.25	3.31	1.236	2.906	3.467
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.552	0.756	0.885			0.654	3.621	6.592	14.788	7.735	5.71
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.657							0.637		0.569	1.026
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.966	1.347	0.895			0.514	1.438		1.478	2.1	1.35
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.301	1.761	0.955			0.369	1.609	2.437	1.919	2.523	1.809
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.892	2.117	1.75		0.619	0.729	1.986	2.46	3.591	2.961	2.374
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	6.02	2.943	0.902				2.137	5.422	0.566	5.579	1.94
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.09	1.527	0.885				1.782	1.23	0.623	2.132	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.349	1.425	0.914			0.717	1.902	2.211	2.154	2.675	1.736
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.7	1.833	0.963		0.619	0.53	2.449	2.284	2.883	3.303	2.1
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.367	1.629	0.922			0.431	2.159	2.009	2.009	2.474	1.812
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.643	3.079	2.498			0.493	1.574	2.926	5.47	2.356	2.533
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.925	0.894					1.26	1.373	0.787	2.101	0.815
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.113	0.906	0.883				0.975	1.579	1.133	1.851	1.112
COVID19 (COVID19 (JANSSEN))	Venogram	2.331	1.74	0.882				1.99	1.598	0.705	2.491	1.069
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.706	2.035				0.612	2.68	3.73	0.665	3.331	1.199
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.984	2.258	0.889				2.68	2.049	1.062	4.97	1.198
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.46	0.823		10.37	0.91		1.286	0.52		1.466	1.061
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.668	0.956	0.885		0.609	1.023	0.785	0.636	0.423	0.671	0.633
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.056	1.138					0.671	2.085	1.533	2.002	1.946
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.533	1.016	0.894		0.466	6.063	2.971	0.132	0.061	0.354	2.541
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.145	2.04	0.882				2.804	2.046	2	1.585	2.633
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.105	1.671	0.896				0.837	1.631	1.794	1.532	1.912
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.948	0.992	0.889		0.482		0.696	0.957	1.437	1.915	1.546
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.069	1.754	1.685	0.753	0.844	1.117	1.724	1.755	1.779	1.824	1.869
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.855	0.855	0.888	16.458			0.363			0.508	1.238
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.05	1.657	0.918		1.287	1.243	1.801	1.98	2.259	1.979	1.842
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.031	1.749	0.93		0.716	1.086	1.793	1.928	2.239	1.984	1.892
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.604	0.784			1.455		1.371	1.847	1.714	2.148	1.586
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.939	1.351	0.898			0.943	1.558	1.745	2.106	1.906	1.763

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, May 24, 2022 6:43:28 AM
Attachments:	USST_20220520.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/20/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220520	US Serious EB05 20220520	US Fatal EB05 20220520	US Infant EB05 20220520	US Child EB05 20220520	US Teen EB05 20220520	US Adult1 EB05 20220520	US Adult2 EB05 20220520	US Adult3 EB05 20220520	US Female EB05 20220520	US Male EB05 20220520
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.054	1.532	0.93			0.378	1.486	1.887	2.027	2.732	1.374
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.07	1.538	0.883				1.583	2.044	1.983	2.727	1.411
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.087	1.33	0.99			0.454	0.79	1.679	1.832	1.61	1.925
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.107	1.326	1.017			0.454	1.458	2.046	1.991	2.45	1.747
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.339	0.974	0.889			0.527	0.969	0.716	0.679	2.619	1.478
COVID19 (COVID19 (JANSSEN))	Adverse event	2.59	1.092	0.894				0.871	0.852	0.786	1.877	1.681
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.232	1.904					1.305	1.411		0.907	1.625
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.92	1.291	0.908				1.452	1.459	1.669	2.149	1.295
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.558	1.806	0.914			0.488	2.402	1.948	2.082	3.438	1.508
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.066	1.383	0.889				1.779	1.75	1.283	2.218	1.405
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.309	1.631	0.916			0.414	1.631	2.285	2.225	2.471	1.973
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.813	1.37	0.91			0.364	1.117	2.234	1.464	2.128	1.339
COVID19 (COVID19 (JANSSEN))	Antibody test	2.118	1.37	0.823	0.883		0.569	0.79	1.58	1.905	2.003	1.658
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.177	1.463	0.973	0.619		0.419	1.84	2.039	2.236	2.762	1.607
COVID19 (COVID19 (JANSSEN))	Application site pain	2.004						0.56	0.636	0.678	1.036	0.765
COVID19 (COVID19 (JANSSEN))	Areflexia	2.128	1.709	0.901				0.947	2.418	1.338	2.315	1.433
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.847	1.163	0.89				1.213	1.231	1.419	2.236	0.983
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.884	1.391	0.931	0.616		0.36	1.179	2.251	1.858	2.325	1.348
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.796	1.413	0.947	0.615		0.256	1.126	2.313	1.827	2.187	1.353
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.821	1.268	0.93			0.306	1.485	1.847	1.755	2.168	1.404
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.875	1.352	0.954			0.374	1.361	2.103	1.893	2.19	1.518
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.823	1.309	0.953			0.467	1.232	2.027	1.872	2.151	1.359
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.801	2.186	0.897			0.502	1.75	2.176	0.881	4.054	1.036
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.804	1.3	0.929			0.174	1.077	1.976	1.751	2.357	1.221
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.704	1.217	0.938			0.513	1.254	1.522	2.025	1.898	1.245
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.824	1.305	0.905	0.616			1.35	2.005	1.736	1.951	1.594
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.648	1.315	0.895			0.085	1.36	1.938	1.216	2.008	0.889
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.898	1.256	0.914				1.041	2.059	1.78	2.127	1.62
COVID19 (COVID19 (JANSSEN))	Brain oedema	1.576	1.259	0.929				1.196	1.59	0.602	2.006	0.804
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.224	1.411	1.083				1.893	2.232	2.042	2.409	1.985
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.589	2.014	0.883				1.848	2.99	1.003	2.508	2.162
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.215	1.576	0.938			0.524	1.713	1.855	1.507	3.311	1.155
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.819	1.972	0.929			0.532	1.385	1.721	1.165	3.935	1.141
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.696	1.736	0.887				1.471	1.363	1.623	3.609	1.264
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.304	2.149	0.919			0.528	2.504	2.348	0.879	3.871	1.226
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.873	1.282	0.961			0.331	1.341	1.895	1.905	2.11	1.609
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.444	1.656	0.964	0.618		0.609	2.144	2.313	2.036	3.053	1.727
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.994	1.333	0.918			0.378	1.724	1.967	1.835	2.273	1.519
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.001	1.395	0.927			0.458	1.388	2.047	2	2.244	1.675
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	2.049	1.289	0.89				0.498	0.897	2.023	1.091	1.656
COVID19 (COVID19 (JANSSEN))	Death	1.849	1.17	0.963				1.221	1.627	1.546	2.075	1.526
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.618	1.798	1.035			0.464	2.233	2.285	3.14	3.298	2.044
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.067	1.375	1.139			0.366	1.423	2.097	1.899	2.117	1.843
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.791	1.303	0.93			0.04	1.244	2.042	1.755	2.069	1.353
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.803	1.361	0.94	0.616		0.271	1.27	2.083	1.776	2.071	1.412
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.754	0.859	0.896			1.186	2.023	1.454	0.968	1.847	1.427
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.266	1.278	0.901			0.442	2.186	2.152	1.964	2.535	1.684
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.139	1.453	0.985	0.619		0.295	1.726	2.289	2.21	2.5	1.632
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.933	1.08	0.887			0.437	1.636	1.973	1.03	2.162	1.29
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.089	1.438		0.756			0.654			1.419	1.727
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.224	1.032	0.897			0.405	2.274	1.7	1.216	2.24	1.589
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.845	1.259	0.907			0.401	1.293	1.723	1.585	2.237	1.2
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.71	1.155	0.91				1.215	1.425	1.341	2.211	1.038
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.483	1.843	0.894			0.438	1.637	3.135	1.637	2.433	2.209
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.802	1.271	0.942	0.612		0.501	1.314	2.026	1.783	2.175	1.425
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.761	1.239	0.937	0.613		0.393	1.384	1.967	1.674	2.092	1.417
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia	5.709	3.612	0.901				4.186	5.521	4.283	7.268	3.37
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.144	3.303	0.884			0.554	4.212	5.727	0.739	7.055	2.479
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.082	1.331	0.961				1.504	2.097	1.933	2.459	1.688
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.077	1.725	0.882			0.011	1.927	2.557	1.397	2.241	1.713
COVID19 (COVID19 (JANSSEN))	Intensive care	1.937	1.393	1.057			0.022	1.434	2.101	2.071	2.342	1.577
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.767	1.209	0.893	0.754		0.384	1.53	1.92	1.417	2.295	1.258
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.916	1.215	0.893				1.384	2.028	0.979	2.093	1.246
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.624	1.752	0.911				0.84	1.403	0.993	1.706	1.597
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.831	1.448	0.888				1.373	1.125	0.711	2.346	0.712
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.882	1.362	0.878				1.28	2.198	1.011	1.675	1.762
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.149	1.705					1.122	2.841	1.991	2.359	1.521
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.993	1.287	0.949				1.407	1.733	1.028	1.777	1.822
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.685	1.231	0.931			0.191	0.999	2.074	1.859	2.058	1.308
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.061	1.47	0.917			0.441	1.77	1.877	2.127	2.341	1.592
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.023	1.366	0.938	0.619		0.474	1.229	2.191	1.827	2.336	1.374
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.697	1.255	0.924			0.255	1.135	1.92	1.492	2.054	0.976
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.874	1.326	0.915			0.316	1.154	2.319	1.61	2.093	1.421
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.283	1.523	1.013			0.482	1.161	2.289	2	2.117	2.035
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.533	1.223	0.921	0.616		0.21	0.846	1.932	1.985	2.16	1.128
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.52	1.198	0.898			0.319	1.092	1.626	1.671	2.173	0.849
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.729	1.265	0.932			0.249	1.108	2.08	1.801	1.985	1.411
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.057	0.787					0.745	0.612	0.406	2.957	1.076
COVID19 (COVID19 (JANSSEN))	Off label use	2.041	0.592	0.896			8.186	1.193	1.353	0.961	1.468	2.024
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.785	0.755					3.449		0.983	2.288	
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.223	0.861				0.516	1.506	2.222	1.106	2.17	1.441
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.096	1.359	0.885				0.657	1.034	1.541	2.253	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count	2.665	2.176	0.918	0.618		0.478	1.841	2.859	2.75	3.047	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.869	1.31	0.921	0.614		0.261	1.444	2.101	1.655	2.235	1.471
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.554	1.812	0.902			0.45	2.085	2.751	2.13	3.139	1.682
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.789	3.287	0.886				4.298	4.662	0.805	5.732	2.267
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.326					0.879	1.98	1.357	1.452	2.05	2.07
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.075	1.427	0.887				0.859	1.647	1.027	2.027	1.268
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.06	1.297	0.955				1.013	2.101	1.677	2.253	1.621
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.767	0.833	0.886		0.719	2.059	0.04	0.002	0.515	1.666	1.828
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.178	1.336					5.048			5.15	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.932	1.394	0.94	0.754		0.297	1.443	2.315	1.653	2.466	1.455
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.244	1.586	1.066	0.619		0.589	1.78	2.068	2.627	2.518	1.911
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.295	1.477	0.909			0.562	1.766	1.63	1.919	2.16	1.893
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.805	1.274	0.929	0.613		0.288	1.348	2.034	1.669	2.034	1.505
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.949	1.309	0.932	0.617			1.276	2.113	1.793	2.279	1.418
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.368	1.003					2.702	0.506		1.08	0.73
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.585	1.737	0.893			0.537	1.774	1.988	1.822	2.574	0.817
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.494	2.229	1.588			0.527	3.219	3.334	1.219	2.913	3.46
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.547	0.757	0.886			0.653	3.621	6.594	14.798	7.71	5.715
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.674						0.637	0.569		0.561	1.026
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.958	1.335	0.896			0.512	1.438	1.515	1.477	2.209	1.343
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.299	1.753	0.952			0.368	1.618	2.433	1.907	2.512	1.811
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.901	2.122	1.743	0.619		0.729	1.992	2.474	3.622	2.975	2.377
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	5.975	2.903	0.902				2.145	5.476	0.562	5.686	1.822
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.091	1.526	0.886				1.784	1.231	0.623	2.133	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.362	1.444	0.913			0.716	1.915	2.224	2.172	2.695	1.745
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.708	1.838	0.961	0.619		0.528	2.472	2.296	2.872	3.305	2.112
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.378	1.64	0.92			0.43	2.189	2.01	2.021	2.484	1.826
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.638	3.085	2.509			0.491	1.562	2.883	5.202	2.334	2.519
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.921	0.894	0.894				1.252	1.373	0.788	2.092	0.816
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.114	0.906	0.884				0.975	1.579	1.134	1.851	1.112
COVID19 (COVID19 (JANSSEN))	Venogram	2.349	1.735	0.883				2.021	1.6	0.705	2.555	1.063
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.709	2.031				0.611	2.685	1.628	0.665	3.334	1.199
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.942	2.226	0.89				3.661	2.051	1.062	4.887	1.198
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.46	0.824		10.43	0.909		1.286	0.52		1.465	1.06
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.671	0.963	0.885	0.609	1.023	2.454	0.786	0.64	0.425	0.674	0.635
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.058	1.142					0.661	2.087	1.544	0.839	1.953
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.537	1.017	0.895	0.467	5.969	2.977	0.145	0.066	0.354	2.544	2.638
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.145	2.034	0.883			2.793	2.047	1.996	1.584	1.978	2.188
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.111	1.671	0.896			0.837	1.631	1.793	1.533	1.918	1.897
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.946	0.992	0.889			0.482	0.695	0.957	1.442	2.176	1.912	1.546
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.055	1.748	1.644	0.753	0.856	1.119	1.738	1.777	1.772	1.82	1.869
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.857	0.856	0.889	16.519			0.363			0.509	1.241
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.052	1.658	0.918		1.287	1.243	1.801	1.98	2.26	1.982	1.842
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.032	1.75	0.929		0.718	1.086	1.795	1.924	2.239	1.983	1.892
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.601	0.785			1.457	1.369	1.847	1.711	2.139	1.585	1.558
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.942	1.367	0.898			0.943	1.558	1.742	2.097	1.908	1.759

From: Menschik, David
To: Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc: Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject: RE: Weekly data mining
Date: Wednesday, June 1, 2022 6:12:15 AM
Attachments: USST_20220530.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 5/30/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220530	US Serious EB05 20220530	US Fatal EB05 20220530	US Infant EB05 20220530	US Child EB05 20220530	US Teen EB05 20220530	US Adult1 EB05 20220530	US Adult2 EB05 20220530	US Adult3 EB05 20220530	US Female EB05 20220530	US Male EB05 20220530
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.041	1.514	0.927			0.378	1.482	1.874	2.01	2.705	1.367
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.054	1.518	0.877				1.573	2.031	1.966	2.689	1.407
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.077	1.317	0.986				0.789	1.672	1.827	1.599	1.921
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.113	1.324	1.02			0.453	1.476	2.064	1.986	2.449	1.757
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.326	0.969	0.885			0.527	0.956	0.716	0.677	2.617	1.457
COVID19 (COVID19 (JANSSEN))	Adverse event	2.606	1.091	0.891				0.87	0.882	0.781	1.873	1.723
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.141	1.898					1.237	1.411		0.893	1.621
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.909	1.278	0.904				1.452	1.443	1.669	2.14	1.286
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.538	1.789	0.911			0.488	2.367	1.937	2.068	3.384	1.507
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.048	1.362	0.885				1.753	1.741	1.28	2.196	1.396
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.315	1.63	0.913			0.414	1.662	2.287	2.213	2.477	1.979
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.822	1.377	0.911			0.363	1.133	2.221	1.489	2.155	1.338
COVID19 (COVID19 (JANSSEN))	Antibody test	2.124	0.835	0.878			0.569	0.829	1.575	1.912	1.998	1.677
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.175	1.459	0.976	0.619		0.415	1.845	2.03	2.244	2.747	1.862
COVID19 (COVID19 (JANSSEN))	Application site pain	2						0.56	0.636	0.678	1.036	0.764
COVID19 (COVID19 (JANSSEN))	Areflexia	2.098	1.672	0.898				0.941	2.375	1.324	2.26	1.42
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.841	1.158	0.886				1.213	1.231	1.413	2.226	0.981
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.862	1.366	0.929	0.616		0.357	1.186	2.211	1.85	2.285	1.34
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.778	1.393	0.945	0.615		0.252	1.129	2.269	1.813	2.167	1.34
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.827	1.269	0.928			0.305	1.514	1.854	1.747	2.176	1.41
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.873	1.348	0.953			0.371	1.373	2.1	1.878	2.186	1.52
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.819	1.305	0.953			0.461	1.24	2.017	1.863	2.151	1.356
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen	1.85	1.197	0.875			0.578	0.929	2.008	0.588	1.697	1.155
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.765	2.165	0.893			0.501	1.747	2.102	0.882	4.052	1.03
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.778	1.276	0.926			0.171	1.071	1.938	1.728	2.32	1.204
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.692	1.208	0.938			0.509	1.261	1.504	2.004	1.883	1.241
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.823	1.301	0.9	0.616			1.355	2.013	1.72	1.944	1.598
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.648	1.313	0.89			0.087	1.361	1.943	1.208	2.026	0.876
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.894	1.249	0.912				1.053	2.059	1.769	2.104	1.629
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.22	1.401	1.071				1.872	2.24	2.033	2.391	1.991
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.581	2.007	0.879				1.845	2.969	1.004	2.507	2.153
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.229	1.582	0.938			0.524	1.711	1.847	1.508	3.335	1.155
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.8	1.96	0.927			0.532	1.383	1.72	1.163	3.903	1.141
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.697	1.734	0.883				1.47	1.363	1.629	3.611	1.265
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.345	2.167	0.917			0.527	2.532	2.442	0.88	3.895	1.275
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.87	1.276	0.959			0.329	1.33	1.902	1.898	2.095	1.615
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.428	1.644	0.964	0.618		0.605	2.115	2.301	2.031	3.028	1.718
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.979	1.325	0.919			0.376	1.713	1.939	1.839	2.253	1.511
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.995	1.384	0.925			0.457	1.382	2.042	1.995	2.242	1.868
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	2.028	1.268	0.886				0.497	0.897	1.986	1.087	1.648
COVID19 (COVID19 (JANSSEN))	Death	1.856	1.169	0.962				1.213	1.623	1.566	2.085	1.53
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.635	1.81	1.055			0.464	2.267	2.292	3.166	3.311	2.061
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.057	1.363	1.122			0.363	1.415	2.086	1.893	2.098	1.84
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.782	1.292	0.927			0.04	1.254	2.012	1.748	2.06	1.348
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.786	1.344	0.937	0.616		0.267	1.269	2.044	1.77	2.052	1.399
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.755	0.857	0.893			1.182	2.023	1.453	0.978	1.85	1.426
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.266	1.277	0.898			0.442	2.177	2.164	1.963	2.526	1.697
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.143	1.455	0.986	0.619		0.296	1.717	2.31	2.2	2.507	1.637
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.926	1.075	0.883			0.437	1.63	1.979	1.033	2.152	1.288
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.119	1.306			0.756		0.654			1.508	1.731
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.216	1.025	0.893			0.404	2.272	1.693	1.212	2.233	1.585
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.844	1.256	0.905			0.398	1.29	1.747	1.565	2.201	1.226
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.716	1.159	0.911				1.201	1.417	1.385	2.185	1.059
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.478	1.835	0.891			0.438	1.635	3.124	1.642	2.433	2.202
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.802	1.271	0.942	0.612		0.495	1.321	2.031	1.775	2.173	1.427
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.759	1.237	0.936	0.613		0.39	1.39	1.967	1.667	2.089	1.417
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.707	3.607	0.898				4.18	5.518	4.29	7.266	3.367
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.143	3.297	0.88			0.553	4.209	5.724	0.739	7.055	2.468
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.082	1.325	0.961				1.496	2.096	1.936	2.457	1.691
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.072	1.719	0.878			0.011	1.924	2.549	1.396	2.228	1.713
COVID19 (COVID19 (JANSSEN))	Intensive care	1.941	1.39	1.059			0.022	1.455	2.096	2.078	2.347	1.582
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.766	1.209	0.89	0.754		0.381	1.534	1.909	1.424	2.299	1.259
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.933	1.231	0.889				1.383	2.072	0.976	2.684	1.278
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.623	1.751	0.909				0.84	1.403	0.904	1.707	1.597
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.818	1.408	0.884				1.372	1.125	0.712	2.288	0.712
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.876	1.358	0.873				1.277	2.188	1.013	1.666	1.761
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.14	1.691					1.121	2.796	1.03	1.772	1.814
COVID19 (COVID19 (JANSSEN))	Lung infiltration	1.824	1.156	0.927			0.612	1.248	1.817	1.381	2	1.443
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.988	1.279	0.948				1.426	1.723	1.985	2.354	1.515
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.675	1.224	0.93			0.183	0.997	2.059	1.85	2.041	1.305
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.056	1.463	0.915			0.468	1.769	1.872	2.125	2.338	1.587
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.024	1.366	0.935	0.619		0.439	1.267	2.186	1.812	2.35	1.364
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.697	1.246	0.921			0.245	1.153	1.914	1.484	2.071	0.963
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.86	1.312	0.911			0.314	1.149	2.3	1.596	2.084	1.408
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.267	1.505	1.011			0.478	1.16	2.268	1.999	2.107	2.018
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.532	1.222	0.917	0.616		0.209	0.857	1.034	1.964	2.169	1.126
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.518	1.195	0.893			0.319	1.105	1.611	1.663	2.184	0.842
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.719	1.257	0.93			0.245	1.097	2.073	1.792	1.963	1.413
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.062	0.788					0.744	0.612		2.961	1.075
COVID19 (COVID19 (JANSSEN))	Off label use	2.052	0.595	0.892			8.228	1.222	1.359	0.959	1.469	2.056
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.769	0.751					3.442	0.983		2.241	
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.225	0.861				0.515	1.504	2.201	1.109	2.169	1.444
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.085	1.355	0.88				0.657	1.035	1.544	2.252	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count	2.663	2.18	0.916	0.618		0.478	1.838	2.858	2.745	3.041	1.794
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.864	1.303	0.916	0.614		0.258	1.441	2.094	1.647	2.22	1.474
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.544	1.803	0.899			0.45	2.067	2.739	2.137	3.125	1.677
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.791	3.28	0.882				4.29	4.856	0.806	5.734	2.258
COVID19 (COVID19 (JANSSEN))	Poor quality product administered	1.239					1.027	2.108	1.203	0.651	1.869	1.634
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.231	1.64	0.882				0.859	1.854	1.929	2.264	1.334
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.067	1.295	0.956				1.006	2.103	1.693	2.225	1.648
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.766	0.833	0.882		0.719	2.062	0.039	0.002	0.512	1.67	1.823
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.167	1.332					5.039			5.139	
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.928	1.39	0.939	0.754		0.293	1.446	2.308	1.653	2.463	1.455
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.252	1.589	1.084	0.619		0.588	1.806	2.069	2.633	2.529	1.916
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.295	1.466	0.907				1.763	1.643	1.908	2.18	1.88
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.801	1.269	0.928	0.614		0.556	1.361	2.021	1.661	2.027	1.504
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.945	1.305	0.932	0.617		0.286	1.307	2.097	1.784	2.13	1.421
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.367	1.003					2.69	0.506		1.08	0.73
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.564	1.723	0.889			0.537	1.773	1.973	1.79	2.567	1.798
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.459	2.204	1.586			0.526	3.208	3.272	1.204	2.36	3.453
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.543	0.757	0.882			0.653	3.618	6.59	14.803	7.686	5.717
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.66							0.637	0.569	0.561	1.025
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.961	1.333	0.892			0.512	1.481	1.502	1.473	2.003	1.358
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.281	1.73	0.951			0.368	1.616	2.402	1.891	2.498	1.795
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.907	2.119	1.749	0.619		0.729	2.004	2.472	3.616	2.978	2.38
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	6.041	2.952	0.899				2.134	5.692	0.562	5.584	2.482
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.089	1.516	0.881				1.782	1.231	0.623	2.132	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.363	1.442	0.911			0.712	1.906	2.229	2.162	2.682	1.75
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.718	1.844	0.977	0.619		0.528	2.515	2.291	2.888	3.31	2.123
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.389	1.649	0.918			0.429	2.213	2.022	2.019	2.482	1.852
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.625	3.061	2.478			0.488	1.52	2.768	4.889	2.286	2.472
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.909	0.895					1.251	1.374	0.789	2.093	0.809
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.109	0.907	0.88				0.975	1.579	1.129	1.846	1.112
COVID19 (COVID19 (JANSSEN))	Venogram	2.346	1.743	0.879				2.018		1.8	2.552	1.064
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.704	2.029				0.61	2.679	1.628	0.665	3.331	1.199
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.914	2.205	0.885				3.669	2.004	1.064	4.832	1.199
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.457	0.824		10.463	0.909		1.284	0.52		1.463	1.058
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.674	0.983	0.886	0.609	1.023	2.473	0.788	0.641	0.428	0.677	0.636
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.05	1.143				0.661	2.081	1.528	0.809	1.991	1.054
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.531	1.017	0.892	0.467	6.033	2.978	0.148	0.07	0.345	2.539	2.635
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.137	2.02	0.879			2.79	2.045	1.989	1.578	1.972	2.182
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.104	1.67	0.893			0.836	1.629	1.788	1.529	1.916	1.892
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.964	0.992	0.885		0.482	0.696	0.958	1.452	2.187	1.92	1.55
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.04	1.752	1.647	0.753	0.86	1.126	1.736	1.794	1.776	1.809	1.875
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.86	0.856	0.885	16.546			1.244	1.805	1.989	2.274	1.245
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.061	1.658	0.916		1.288	1.244	1.801	1.934	2.255	1.989	1.849
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.038	1.752	0.928		0.719	1.1	1.801	1.849	2.154	1.589	1.899
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.601	0.785			1.459		1.368	1.714		1.588	1.556
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.934	1.355	0.895			0.954	1.553	1.731	2.087	1.898	1.758

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, June 7, 2022 6:00:24 AM
Attachments:	USST_20220603.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/3/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220603	US Serious EB05 20220603	US Fatal EB05 20220603	US Infant EB05 20220603	US Child EB05 20220603	US Teen EB05 20220603	US Adult1 EB05 20220603	US Adult2 EB05 20220603	US Adult3 EB05 20220603	US Female EB05 20220603	US Male EB05 20220603
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.02	1.485	0.923			0.378	1.473	1.852	1.991	2.699	1.348
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.04	1.499	0.879				1.557	2.024	1.963	2.678	1.396
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.066	1.303	0.98				0.779	1.675	1.818	1.599	1.903
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.117	1.322	1.017			0.454	1.469	2.064	1.996	2.455	1.761
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.335	0.969	0.888			0.526	0.954	0.713	0.677	2.644	1.454
COVID19 (COVID19 (JANSSEN))	Adverse event	2.615	1.083	0.893				0.871	0.91	0.782	1.882	1.726
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.146	1.898					1.239	1.412		0.894	1.623
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.938	1.285	0.91				1.407	1.444	1.702	2.168	1.312
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.536	1.785	0.913			0.488	2.372	1.933	2.077	3.387	1.505
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.053	1.366	0.887				1.785	1.742	1.268	2.184	1.418
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.3	1.613	0.911			0.415	1.652	2.269	2.207	2.471	1.962
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.835	1.384	0.914			0.361	1.18	2.201	1.506	2.174	1.349
COVID19 (COVID19 (JANSSEN))	Antibody test	2.137	0.83	0.881			0.569	0.825	1.574	1.905	2.009	1.696
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.177	1.456	0.972	0.619		0.415	1.846	2.033	2.247	2.763	1.655
COVID19 (COVID19 (JANSSEN))	Application site pain	2.002						0.561	0.636	0.678	1.037	0.764
COVID19 (COVID19 (JANSSEN))	Areflexia	2.062	1.66	0.9				0.929	2.271	1.325	2.169	1.415
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.836	1.154	0.888				1.213	1.225	1.415	2.231	0.977
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.872	1.373	0.933	0.616		0.359	1.157	2.205	1.896	2.329	1.328
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.777	1.391	0.944	0.615		0.252	1.125	2.258	1.832	2.198	1.32
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.838	1.275	0.93			0.305	1.519	1.85	1.775	2.201	1.413
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.876	1.348	0.955			0.372	1.372	2.096	1.892	2.196	1.519
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.817	1.302	0.952			0.461	1.244	2.009	1.863	2.15	1.354
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen	1.852	1.198	0.878			0.579	0.929	2.01	0.568	1.699	1.157
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.756	2.156	0.896			0.502	1.75	2.103	0.879	4.028	1.03
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.788	1.281	0.927			0.166	1.091	1.935	1.744	2.342	1.211
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.828	1.301	0.902	0.616			1.361	2.011	1.733	1.959	1.596
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.645	1.314	0.893			0.084	1.358	1.943	1.208	2.032	0.867
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.9	1.251	0.915				1.068	2.051	1.784	2.113	1.634
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.243	1.408	1.08				1.91	2.252	2.057	2.419	2.009
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.591	2.012	0.882				1.878	2.972	1.005	2.582	2.143
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.232	1.582	0.938			0.525	1.713	1.85	1.51	3.341	1.157
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.885	1.99	0.927			0.532	1.385	1.68	1.263	3.912	1.199
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.704	1.734	0.886				1.471	1.365	1.637	3.617	1.267
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.356	2.171	0.919			0.528	2.556	2.444	0.88	3.91	1.276
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.879	1.279	0.96			0.33	1.336	1.902	1.916	2.106	1.623
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.444	1.653	0.965	0.618		0.605	2.132	2.292	2.067	3.041	1.737
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.982	1.326	0.918			0.376	1.716	1.938	1.847	2.272	1.499
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2	1.383	0.924			0.458	1.388	2.046	2.002	2.246	1.675
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	2.118	1.316	0.889				0.498	0.898	2.15	1.08	1.792
COVID19 (COVID19 (JANSSEN))	Death	1.86	1.169	0.962				1.223	1.622	1.572	2.088	1.536
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.637	1.807	1.06			0.464	2.266	2.289	3.172	3.322	2.059
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.058	1.36	1.122			0.363	1.41	2.088	1.899	2.11	1.836
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.79	1.295	0.93			0.04	1.244	2.018	1.774	2.093	1.337
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.785	1.342	0.94	0.616		0.266	1.257	2.04	1.789	2.077	1.383
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.757	0.857	0.895			1.181	2.024	1.457	0.976	1.852	1.426
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.272	1.274	0.9			0.443	2.179	2.166	1.964	2.524	1.709
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.147	1.454	0.984	0.619		0.296	1.71	2.312	2.218	2.53	1.625
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.937	1.075	0.886			0.438	1.628	2.011	1.035	2.172	1.288
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.201	1.416		0.756			0.651			1.636	1.736
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.21	1.021	0.895			0.405	2.274	1.682	1.213	2.234	1.578
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.846	1.258	0.909			0.398	1.282	1.739	1.592	2.234	1.214
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.712	1.155	0.911				1.23	1.407	1.373	2.182	1.066
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.486	1.838	0.894			0.437	1.628	3.129	1.646	2.436	2.206
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.806	1.271	0.941	0.613		0.496	1.335	2.02	1.784	2.181	1.43
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.762	1.237	0.935	0.613		0.39	1.404	1.957	1.672	2.094	1.419
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.712	3.607	0.9				4.182	5.521	4.32	7.267	3.373
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.149	3.297	0.883			0.554	4.206	5.734	0.74	7.054	2.479
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.085	1.322	0.958				1.492	2.103	1.938	2.458	1.696
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.078	1.713	0.881			0.011	1.909	2.546	1.394	2.227	1.711
COVID19 (COVID19 (JANSSEN))	Intensive care	1.945	1.389	1.06			0.021	1.454	2.095	2.088	2.344	1.59
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.76	1.202	0.889	0.754		0.382	1.526	1.891	1.433	2.292	1.258
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.935	1.231	0.892				1.383	2.074	0.977	2.087	1.28
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.67	1.774	0.911				0.84	1.422	0.994	1.71	1.622
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.804	1.369	0.887				1.373	1.116	0.712	2.298	0.707
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.875	1.357	0.876				1.277	2.187	1.012	1.662	1.764
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.143	1.69					1.122	2.801	1.031	1.774	1.816
COVID19 (COVID19 (JANSSEN))	Lung infiltration	1.838	1.16	0.93			0.613	1.25	1.823	1.401	2.002	1.461
COVID19 (COVID19 (JANSSEN))	Lung opacity	2.004	1.282	0.949				1.425	1.73	2.013	2.38	1.523
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.676	1.225	0.928			0.182	0.996	2.053	1.863	2.061	1.297
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.06	1.465	0.916			0.468	1.77	1.872	2.142	2.338	1.595
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.033	1.372	0.935	0.619		0.439	1.282	2.183	1.83	2.363	1.374
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.702	1.251	0.922			0.324	1.17	1.916	1.475	2.073	0.974
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.846	1.298	0.91			0.314	1.147	2.274	1.579	2.074	1.395
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.292	1.522	1.02			0.478	1.157	2.268	2.066	2.136	2.04
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.533	1.223	0.918	0.616		0.207	0.855	1.931	1.981	2.192	1.118
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.525	1.202	0.894			0.319	1.132	1.602	1.657	2.197	0.849
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.722	1.259	0.929			0.245	1.099	2.066	1.808	1.983	1.405
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.068	0.788					0.745	0.613		2.986	1.075
COVID19 (COVID19 (JANSSEN))	Off label use	2.072	0.596	0.895			8.345	1.219	1.387	0.985	1.489	2.085
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.769	0.751					3.446	0.983		2.249	
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.229	0.861				0.515	1.506	2.204	1.11	2.173	1.447
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.089	1.355	0.883			0.478	0.657	1.035	1.561	2.268	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count	2.637	2.148	0.917	0.618		0.478	1.832	2.821	2.758	2.995	1.791
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.87	1.303	0.92	0.614		0.259	1.437	2.1	1.664	2.244	1.469
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.551	1.808	0.901			0.451	2.069	2.74	2.172	3.12	1.693
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.8	3.284	0.885				4.291	4.666	0.807	5.733	2.27
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.254	1.665	0.886				0.859	1.884	1.03	2.367	1.334
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.088	1.304	0.959				1.001	2.105	1.732	2.218	1.684
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.767	0.833	0.885		0.719	2.062	0.04	0.002	0.512	1.671	1.826
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.18	1.33					5.046				5.154
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.794	1.227	0.928	0.616		0.336	1.439	1.629	1.776	2.015	1.421
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.92	1.38	0.935	0.754		0.293	1.434	2.293	1.658	2.459	1.448
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.252	1.588	1.083	0.619		0.589	1.806	2.068	2.633	2.526	1.917
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.325	1.495	0.909				1.766	1.67	1.962	2.231	1.889
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.8	1.267	0.929	0.614		0.556	1.364	2.005	1.672	2.044	1.491
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.946	1.305	0.931	0.617		0.284	1.31	2.092	1.792	2.273	1.423
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.367	1.003					2.704	0.506		1.081	0.73
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.559	1.723	0.892			0.537	1.774	1.97	1.787	2.563	1.795
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.453	2.211	1.597			0.527	3.258	3.318	1.168	2.883	3.425
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.54	0.757	0.885			0.654	3.618	6.564	14.788	7.669	5.72
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.667							0.637	0.568	0.561	1.025
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.961	1.329	0.894			0.512	1.474	1.504	1.476	2.097	1.357
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.28	1.724	0.95			0.368	1.613	2.4	1.891	2.499	1.792
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.919	2.128	1.759	0.619		0.729	2.012	2.481	3.644	2.994	2.386
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	6.07	2.957	0.902				2.15	5.733	0.562	5.595	2.54
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.091	1.514	0.884				1.785	1.231	0.623	2.139	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.364	1.447	0.912			0.713	1.914	2.226	2.167	2.68	1.756
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.709	1.837	0.976	0.619		0.529	2.505	2.285	2.879	3.302	2.115
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.378	1.64	0.918			0.43	2.235	2.013	1.979	2.465	1.854
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.621	3.045	2.473			0.488	1.514	2.681	4.71	2.276	2.431
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.912	0.895					1.252	1.375	0.789	2.099	0.81
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.115	0.906	0.883				0.975	1.58	1.136	1.852	1.113
COVID19 (COVID19 (JANSSEN))	Venogram	2.35	1.741	0.882				2.023	1.602	0.706	2.58	1.064
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.706	2.027				0.611	2.686	1.629	1.629	3.337	1.2
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.914	2.202	0.888				3.659	2.003	1.068	4.832	1.199
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.453	0.824		10.568	0.908		1.266		0.52	1.446	1.057
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.677	0.991	0.891	0.61	1.023	2.472	0.788	0.646	0.432	0.681	0.638
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.015	1.17				0.681	2.041	1.517	0.808	1.961	1.914
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.529	1.018	0.894	0.474	8.06	2.975	0.147	0.07	0.345	2.536	2.633
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.133	2.019	0.882			2.794	2.035	1.982	1.576	1.969	2.176
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.042						1.147	1.936	1.992	1.846	1.911
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.1	1.669	0.895			0.837	1.621	1.783	1.529	1.913	1.888
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.959	0.992	0.888		0.483	0.696	0.968	1.456	2.188	1.027	1.551
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.043	1.752	1.644	0.754	0.86	1.128	1.779	1.822	1.805	1.817	1.887
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.859	0.656	0.918	16.551			0.36			0.654	1.246
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.067	1.656	0.918		1.287	1.244	1.817	1.995	2.277	1.997	1.854
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.04	1.752	0.929		0.737	1.503	1.814	1.942	2.259	1.9	1.9
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.599	0.785			1.455	1.367	1.857	1.718	2.155	1.585	1.563
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.931	1.356	0.898			0.954	1.558	1.731	2.084	1.894	1.76

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, June 14, 2022 6:37:03 AM
Attachments:	USST_20220610.xls

Good morning all,

      Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/10/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220610	US Serious EB05 20220610	US Fatal EB05 20220610	US Infant EB05 20220610	US Child EB05 20220610	US Teen EB05 20220610	US Adult1 EB05 20220610	US Adult2 EB05 20220610	US Adult3 EB05 20220610	US Female EB05 20220610	US Male EB05 20220610
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.008	1.472	0.923			0.377	1.457	1.848	1.983	2.683	1.336
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.022	1.487	0.882				1.55	1.991	1.945	2.649	1.387
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.086	1.301	0.975				0.78	1.677	1.815	1.803	1.901
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.118	1.32	1.015			0.452	1.472	2.062	1.908	2.451	1.766
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.341	0.969	0.892			0.525	0.954	0.705	0.678	2.626	1.454
COVID19 (COVID19 (JANSSEN))	Adverse event	2.622	1.086	0.897				0.865	0.91	0.781	1.893	1.725
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.149	1.9					1.238	1.412		0.894	1.626
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.933	1.279	0.911				1.493	1.458	1.681	2.143	1.325
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.515	1.768	0.914			0.487	2.349	1.91	2.084	3.345	1.498
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.046	1.358	0.891				1.785	1.743	1.252	2.179	1.412
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.288	1.602	0.911			0.413	1.647	2.255	2.19	2.463	1.948
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.814	1.363	0.915			0.36	1.168	2.171	1.493	2.154	1.332
COVID19 (COVID19 (JANSSEN))	Antibody test	2.148	0.828	0.886			0.568	0.828	1.568	1.97	2.031	1.69
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.181	1.457	0.968	0.619		0.414	1.834	2.032	2.26	2.774	1.657
COVID19 (COVID19 (JANSSEN))	Application site pain	2.004						0.561	0.636	0.679	1.038	0.764
COVID19 (COVID19 (JANSSEN))	Areflexia	2.049	1.646	0.903				0.924	2.247	1.325	2.153	1.408
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.815	1.14	0.892				1.204	1.208	1.41	2.197	0.968
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.863	1.367	0.934	0.617		0.357	1.14	2.226	1.872	2.33	1.317
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.771	1.383	0.943	0.615		0.253	1.114	2.271	1.806	2.201	1.311
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.828	1.268	0.93			0.302	1.511	1.855	1.754	2.186	1.409
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.874	1.346	0.956			0.371	1.364	2.103	1.885	2.198	1.515
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.814	1.3	0.954			0.461	1.244	2.001	1.863	2.159	1.344
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen	1.854	1.2	0.883			0.578	0.929	2.012	0.569	1.701	1.157
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.691	2.12	0.899			0.5	1.749	2.035	0.87	3.934	1.027
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.774	1.269	0.926			0.171	1.107	1.9	1.732	2.309	1.21
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.687	1.203	0.939			0.506	1.254	1.502	2.002	1.886	1.227
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.828	1.301	0.905	0.616			1.357	2.017	1.731	1.961	1.597
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.612	1.075	0.92				1.661	1.316	1.162	2.017	0.979
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.645	1.313	0.897			0.086	1.351	1.962	1.205	2.038	0.861
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.896	1.249	0.917				1.061	2.051	1.78	2.109	1.632
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.242	1.404	1.073				1.906	2.254	2.055	2.412	2.012
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.581	2.001	0.887				1.87	2.95	1.005	2.56	2.139
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.228	1.578	0.938			0.523	1.712	1.842	1.509	3.344	1.153
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.879	1.984	0.927			0.531	1.384	1.682	1.258	3.888	1.2
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.71	1.738	0.89				1.471	1.366	1.64	3.625	1.268
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.363	2.17	0.921			0.526	2.593	2.447	0.872	3.93	1.273
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.871	1.271	0.955			0.328	1.331	1.897	1.904	2.097	1.616
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.433	1.642	0.96	0.618		0.604	2.13	2.28	2.055	3.028	1.729
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.98	1.325	0.919			0.375	1.724	1.942	1.828	2.268	1.503
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.993	1.375	0.926			0.457	1.388	2.043	1.986	2.249	1.663
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	2.064	1.299	0.893				0.495	0.889	2.149	1.061	1.802
COVID19 (COVID19 (JANSSEN))	Death	1.866	1.169	0.962				1.222	1.63	1.575	2.092	1.54
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.646	1.803	1.044			0.463	2.253	2.298	3.192	3.332	2.067
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.047	1.349	1.1			0.363	1.404	2.076	1.887	2.095	1.828
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.789	1.293	0.931			0.042	1.236	2.044	1.75	2.102	1.331
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.779	1.336	0.939	0.616		0.267	1.246	2.055	1.764	2.079	1.374
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.758	0.854	0.898			1.182	2.021	1.459	0.976	1.853	1.424
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.27	1.274	0.903			0.504	2.175	2.153	1.958	2.524	1.707
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.143	1.449	0.977	0.619		0.297	1.708	2.302	2.216	2.529	1.621
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.954	1.07	0.89			0.437	1.641	2.044	1.029	2.221	1.277
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.273	1.537		0.757			0.663			1.641	1.853
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.211	1.02	0.898			0.404	2.274	1.683	1.213	2.236	1.579
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.858	1.265	0.916			0.397	1.278	1.753	1.613	2.248	1.225
COVID19 (COVID19 (JANSSEN))	Glomerular filtration rate decreased	1.766	1.136	0.941				1.052	1.887	1.567	2.001	1.385
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.714	1.157	0.915				1.23	1.44	1.340	2.171	1.081
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.482	1.835	0.897			0.436	1.626	3.116	1.644	2.43	2.203
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.803	1.268	0.943	0.613		0.494	1.328	2.018	1.782	2.185	1.423
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.756	1.231	0.935	0.613		0.389	1.397	1.947	1.67	2.091	1.412
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.716	3.605	0.903				4.183	5.523	4.348	7.27	3.378
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.155	3.294	0.888			0.552	4.206	5.739	0.74	7.055	2.502
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.08	1.316	0.958				1.491	2.099	1.932	2.459	1.689
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.082	1.715	0.885			0.011	1.91	2.553	1.392	2.222	1.72
COVID19 (COVID19 (JANSSEN))	Intensive care	1.946	1.388	1.056			0.022	1.466	2.101	2.08	2.346	1.588
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.739	1.191	0.889	0.755		0.381	1.504	1.866	1.421	2.274	1.241
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.938	1.232	0.806				1.384	2.076	0.978	2.089	1.281
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.677	1.779	0.913				0.84	1.423	0.994	1.714	1.625
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.805	1.374	0.891				1.372	1.116	0.712	2.306	0.707
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.873	1.359	0.881				1.275	2.188	1.011	1.659	1.764
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.136	1.68					1.122	2.779	1.027	1.786	1.814
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.908	1.276	0.948				1.417	1.729	2.005	2.372	1.52
COVID19 (COVID19 (JANSSEN))	Lymphocyte count decreased	1.658	1.168	0.914			0.061	1.065	1.873	1.631	2.009	1.242
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.684	1.23	0.931			0.185	1.005	2.065	1.865	2.071	1.304
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.058	1.465	0.917			0.467	1.777	1.871	2.128	2.333	1.598
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.031	1.367	0.934	0.619		0.438	1.273	2.191	1.824	2.376	1.358
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.71	1.254	0.921			0.243	1.163	1.926	1.501	2.092	0.968
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.832	1.285	0.912			0.314	1.136	2.274	1.554	2.064	1.381
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.278	1.505	1.007			0.477	1.157	2.249	2.055	2.122	2.028
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.528	1.218	0.923	0.616		0.208	0.848	1.928	1.974	2.198	1.108
COVID19 (COVID19 (JANSSEN))	Neonatal dyspnoea	2.399	0.983		0.62						0.876	1.119
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.522	1.2	0.898			0.317	1.136	1.597	1.653	2.176	0.857
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.733	1.265	0.932			0.246	1.108	2.08	1.906	1.996	1.415
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.076	0.789					0.745	0.613		3.016	1.076
COVID19 (COVID19 (JANSSEN))	Off label use	2.079	0.593	0.899			8.396	1.239	1.387	0.984	1.499	2.089
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.769	0.751					3.444	0.983			2.253
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.226	0.858				0.514	1.498	2.253	1.111	2.17	1.446
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.098	1.358	0.888				0.657	1.035	1.568	2.284	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count	2.647	2.145	0.919	0.618		0.477	1.828	2.853	2.77	3.018	1.79
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.874	1.302	0.921	0.614		0.259	1.449	2.102	1.662	2.245	1.475
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.55	1.809	0.904			0.45	2.065	2.744	2.167	3.114	1.694
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.812	3.278	0.89				4.293	4.678	0.808	5.74	2.295
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.256	1.67	0.89				0.859	1.887	1.03	2.378	1.334
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.089	1.301	0.959				1.004	2.114	1.725	2.238	1.675
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.766	0.834	0.89		0.719	2.063	0.039	0.002	0.513	1.675	1.819
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.187	1.33					5.053			5.16	
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.788	1.222	0.929	0.617		0.333	1.432	1.617	1.721	2.029	1.402
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.911	1.373	0.932	0.754		0.294	1.432	2.282	1.646	2.455	1.44
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.255	1.585	1.062	0.62		0.587	1.809	2.073	2.633	2.534	1.916
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.317	1.484	0.911				1.728	1.672	1.942	2.236	1.87
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.792	1.261	0.932	0.614		0.554	1.352	2	1.667	2.039	1.482
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.948	1.306	0.933	0.617		0.283	1.299	2.096	1.8	2.293	1.411
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.367	1.003					2.699	0.506		1.081	0.73
COVID19 (COVID19 (JANSSEN))	Sensory disturbance	2	1.319	0.893				1.409	1.855	1.492	1.849	1.76
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.561	1.752	0.896			0.536	1.773	1.976	1.77	2.58	1.791
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.401	2.225	1.593			0.523	3.158	3.241	1.152	2.818	3.366
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.539	0.758	0.889			0.652	3.618	6.567	14.559	7.679	5.705
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.682						0.637	0.569	0.561	1.026	
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.958	1.325	0.901			0.511	1.468	1.505	1.473	2.096	1.354
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.278	1.714	0.949			0.368	1.611	2.406	1.881	2.497	1.791
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.92	2.125	1.748	0.62		0.728	2.011	2.481	3.636	3.004	2.375
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	6.096	2.95	0.905				2.15	5.765	0.563	5.606	2.602
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.08	1.491	0.889				1.783	1.228	0.623	2.119	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.351	1.438	0.913			0.712	1.899	2.213	2.156	2.86	1.752
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.704	1.832	0.969	0.619		0.527	2.503	2.282	2.85	3.301	2.11
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.361	1.626	0.918			0.429	2.238	1.993	1.958	2.455	1.837
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.607	3.031	2.48			0.484	1.468	2.528	4.508	2.227	2.382
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.914	0.895					1.251	1.376	0.789	2.106	0.81
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.071	0.907	0.888				0.975	1.517	1.131	1.796	1.113
COVID19 (COVID19 (JANSSEN))	Venogram	2.352	1.745	0.887				2.023	1.603	0.706	2.564	1.065
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.683	2.012				0.61	2.885	1.629	0.659	3.342	1.192
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.885	2.188	0.893				3.637	2.004	1.069	4.776	1.199
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.451	0.819		10.61	0.909		1.265	0.52		1.445	1.055
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.682	1.013	0.9	0.611	1.677	2.483	0.793	0.651	0.435	0.686	0.642
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.015	1.166					0.663	2.04	0.807	1.96	1.916
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.53	1.019	0.898	0.48	5.972	2.981	0.163	0.074	0.345	2.54	2.633
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.13	2.016	0.887			2.79	2.033	1.98	1.573	1.965	2.173
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.04						1.137	1.932	1.987	1.846	1.911
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.097	1.671	0.899				0.837	1.619	1.781	1.528	1.91
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.959	1.001	0.893			0.483	0.695	0.059	1.457	2.187	1.552
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.036	1.747	1.652	0.754	0.877	1.133	1.803	1.852	1.84	1.821	1.895
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.86	0.846	0.892	16.309			0.36			0.508	1.248
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.07	1.656	0.92			1.289	1.243	1.818	1.999	2.278	1.857
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.041	1.759	0.93			0.738	1.102	1.818	1.943	2.259	1.992
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.595	0.786				1.447	1.366	1.859	1.719	2.156	1.578
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.929	1.37	0.901			0.953	1.552	1.737	2.081	1.892	1.753

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, June 21, 2022 7:15:05 AM
Attachments:	USST_20220617.xls

Good morning all,

      Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/17/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220617	US Serious EB05 20220617	US Fatal EB05 20220617	US Infant EB05 20220617	US Child EB05 20220617	US Teen EB05 20220617	US Adult1 EB05 20220617	US Adult2 EB05 20220617	US Adult3 EB05 20220617	US Female EB05 20220617	US Male EB05 20220617
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.997	1.463	0.925			0.377	1.486	1.818	1.964	2.634	1.346
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.011	1.477	0.877				1.544	1.985	1.929	2.623	1.382
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.034	1.278	0.974			0.452	0.779	1.673	1.761	1.602	1.85
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.111	1.317	1.016			0.452	1.522	2.039	1.994	2.439	1.764
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.375	0.966	0.888			0.525	0.954	0.701	0.677	2.626	1.448
COVID19 (COVID19 (JANSSEN))	Adverse event	2.626	1.085	0.893				0.864	0.909	0.779	1.892	1.717
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.05	1.805					1.235	1.382		0.894	1.561
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.924	1.273	0.908				1.48	1.456	1.676	2.126	1.322
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.502	1.761	0.911			0.487	2.342	1.901	2.067	3.325	1.493
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.063	1.361	0.887				1.782	1.753	1.247	2.162	1.456
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.281	1.599	0.91			0.413	1.672	2.238	2.173	2.448	1.949
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.788	1.336	0.911			0.359	1.15	2.139	1.48	2.117	1.317
COVID19 (COVID19 (JANSSEN))	Antibody test	2.164	0.824	0.882			0.568	0.867	1.563	2.113	2.061	1.688
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.173	1.453	0.967	0.62		0.414	1.844	2.018	2.244	2.75	1.661
COVID19 (COVID19 (JANSSEN))	Application site pain	2.004						0.561	0.636	0.678	1.037	0.764
COVID19 (COVID19 (JANSSEN))	Areflexia	2.055	1.657	0.902				0.97	2.225	1.315	2.15	1.425
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.811	1.139	0.888				1.203	1.207	1.406	2.193	0.966
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.84	1.348	0.93	0.617		0.354	1.127	2.189	1.87	2.288	1.314
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.753	1.368	0.938	0.616		0.251	1.106	2.235	1.801	2.173	1.307
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.81	1.257	0.925			0.299	1.511	1.833	1.734	2.166	1.396
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.854	1.332	0.949			0.369	1.354	2.076	1.869	2.173	1.502
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.798	1.288	0.954			0.459	1.249	1.971	1.84	2.141	1.333
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen	1.852	1.197	0.879			0.578	0.929	2.008	0.568	1.698	1.156
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.686	2.12	0.898			0.5	1.744	2.032	0.87	3.932	1.026
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.757	1.257	0.922			0.166	1.091	1.877	1.732	2.286	1.203
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.639	1.307	0.893			0.079	1.353	1.949	1.198	2.016	0.875
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.887	1.244	0.912				1.093	2.028	1.772	2.09	1.631
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.236	1.402	1.071				1.886	2.235	2.06	2.42	1.999
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.561	1.984	0.882			0.523	1.866	2.943	0.991	2.535	2.123
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.232	1.586	0.939			0.531	1.776	1.831	1.503	3.332	1.172
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.789	1.95	0.924			0.531	1.381	1.627	1.258	3.794	1.19
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.712	1.737	0.886			0.527	1.469	1.356	1.628	3.625	1.269
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.358	2.171	0.919			0.527	2.585	2.443	0.872	3.927	1.271
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.867	1.269	0.953			0.326	1.352	1.882	1.901	2.081	1.621
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.42	1.636	0.961	0.618		0.6	2.124	2.267	2.045	3.004	1.722
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.968	1.314	0.916			0.374	1.71	1.932	1.808	2.249	1.5
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	1.986	1.373	0.926			0.457	1.397	2.033	1.965	2.241	1.661
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	2.036	1.281	0.889			0.495	0.888	2.089	1.056	1.783	
COVID19 (COVID19 (JANSSEN))	Death	1.873	1.171	0.961				1.229	1.632	1.584	2.089	1.549
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.643	1.801	1.06			0.463	2.271	2.297	3.159	3.323	2.069
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.04	1.347	1.1			0.362	1.429	1.766	1.873	2.093	1.822
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.765	1.273	0.926			0.041	1.217	2.01	1.737	2.073	1.317
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.755	1.316	0.934	0.616		0.265	1.223	2.032	1.748	2.053	1.357
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.755	0.843	0.892			1.18	2.018	1.455	0.975	1.85	1.422
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.267	1.275	0.899			0.504	2.171	2.143	1.946	2.522	1.702
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.129	1.437	0.977	0.619		0.296	1.709	2.275	2.195	2.513	1.61
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.942	1.062	0.886			0.437	1.63	2.036	1.026	2.198	1.276
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.323	1.418		0.757			0.676			1.637	1.843
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.219	1.033	0.897			0.403	2.31	1.673	1.213	2.224	1.604
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.855	1.263	0.913			0.397	1.277	1.738	1.6	2.219	1.239
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.695	1.147	0.912				1.225	1.428	1.337	2.136	1.071
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.458	1.824	0.894			0.436	1.623	3.075	1.632	2.413	2.174
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.793	1.263	0.941	0.613		0.491	1.329	1.999	1.777	2.166	1.422
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.748	1.227	0.931	0.613		0.387	1.404	1.93	1.664	2.073	1.414
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.71	3.604	0.9				4.179	5.516	4.346	7.266	3.37
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.144	3.289	0.883			0.552	4.205	5.722	0.739	7.05	2.481
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.073	1.313	0.957				1.488	2.08	1.936	2.45	1.684
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.09	1.722	0.884			0.011	1.943	2.545	1.388	2.213	1.741
COVID19 (COVID19 (JANSSEN))	Intensive care	1.94	1.384	1.057			0.021	1.463	2.097	2.063	2.337	1.585
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.73	1.187	0.886	0.755		0.381	1.508	1.852	1.407	2.257	1.237
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.929	1.222	0.892				1.382	2.072	0.969	2.082	1.275
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.669	1.776	0.911				0.84	1.42	0.994	1.71	1.622
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.803	1.377	0.887				1.371	1.115	0.712	2.298	0.707
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.866	1.352	0.876				1.271	2.18	1.006	1.652	1.758
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.141	1.685					1.116	2.81	1.024	1.752	1.837
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.989	1.273	0.948				1.44	1.709	1.998	2.363	1.514
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.669	1.22	0.924			0.183	1	2.036	1.855	2.05	1.297
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.057	1.466	0.915			0.467	1.769	1.879	2.117	2.323	1.603
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.006	1.35	0.93	0.619		0.435	1.248	2.165	1.818	2.354	1.337
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.7	1.249	0.918			0.233	1.171	1.909	1.493	2.065	0.979
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.811	1.273	0.907			0.31	1.133	2.25	1.537	2.036	1.373
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.279	1.507	1.012			0.477	1.156	2.249	2.053	2.111	2.038
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.508	1.204	0.919	0.616		0.205	0.836	1.891	1.957	2.167	1.095
COVID19 (COVID19 (JANSSEN))	Neonatal dyspnoea	2.361	0.981		0.62						0.876	1.116
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.502	1.187	0.894			0.315	1.118	1.589	1.627	2.135	0.85
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.716	1.253	0.926			0.245	1.101	2.049	1.805	1.975	1.404
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.081	0.789					0.745	0.613		3.008	1.076
COVID19 (COVID19 (JANSSEN))	Off label use	2.101	0.6	0.895			8.456	1.236	1.46	1.014	1.517	2.136
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.768	0.752					3.437	0.982		2.246	
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.204	0.858				0.514	1.495	2.232	1.036	2.133	1.444
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.086	1.36	0.884				0.657	1.034	1.565	2.269	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count	2.653	2.154	0.917	0.618		0.477	1.864	2.883	2.619	3.01	1.809
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.866	1.297	0.916	0.614		0.256	1.453	2.085	1.649	2.24	1.468
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.545	1.806	0.9			0.45	2.092	2.725	2.158	3.008	1.7
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.802	3.271	0.889				4.288	4.66	0.808	5.732	2.273
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.253	1.671	0.886				0.859	1.883	1.03	2.368	1.334
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.084	1.298	0.956				1.003	2.102	1.709	2.243	1.651
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.761	0.834	0.885		0.705	2.06	0.038	0.002	0.511	1.67	1.816
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.184	1.332					5.054			5.157	
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.765	1.208	0.924	0.617		0.326	1.418	1.597	1.7		1.383
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.9	1.365	0.934	0.754		0.293	1.444	2.26	1.627	2.424	1.44
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.248	1.582	1.048	0.62		0.587	1.806	2.064	2.613	2.526	1.91
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.312	1.482	0.91				1.676	1.69	1.92	2.223	1.871
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.776	1.252	0.928	0.614		0.549	1.345	1.98	1.655	2.013	1.477
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.935	1.294	0.928	0.618		0.277	1.284	2.084	1.785	2.28	1.402
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.328	0.994					2.679	0.506		1.068	0.725
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.61	1.798	0.892			0.532	1.771	2.063	1.752	2.627	1.834
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.371	2.208	1.6			0.619	3.159	3.07	1.129	2.776	3.339
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.562	1.59	0.885			0.653	3.777		0.638	14.673	5.704
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.692	0.758							0.568	0.562	1.026
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.947	1.32	0.897			0.511	1.45	1.502	1.47	2.088	1.345
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.281	1.718	0.955			0.367	1.607	2.398	1.905	2.517	1.785
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.917	2.12	1.746	0.62		0.733	2.012	2.48	3.629	3	2.376
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	6.084	3.011	0.905				3.052	5.715	0.562	5.606	3.354
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.077	1.497	0.885				1.779	1.225	0.623	2.113	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.342	1.43	0.91			0.712	1.897	2.197	2.147	2.648	1.743
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.708	1.829	0.969	0.619		0.524	2.508	2.301	2.846	3.3	2.118
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.356	1.625	0.916			0.428	2.251	1.975	1.961	2.437	1.845
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.601	3.016	2.466			0.556	1.453	2.436	4.301	2.194	2.348
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.912	0.895					1.25	1.374	0.789	2.101	0.809
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.071	0.907	0.883				0.975	1.573	1.125	1.796	1.113
COVID19 (COVID19 (JANSSEN))	Venogram	2.341	1.748	0.882				2.005	1.6	0.706	2.544	1.064
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.678	2.012				0.61	2.677	1.627	0.659	3.335	1.191
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.883	2.17	0.889				3.636		1.068	4.773	1.199
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.457	0.819		10.602	0.889		1.265	0.521		1.444	1.075
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.684	1.003	0.893	0.611	1.674	2.476	0.794	0.654	0.435	0.687	0.644
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.018	1.165					0.664	2.044	1.523	1.962	1.921
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.531	1.008	0.894	0.477	6.007	2.987	0.158	0.078	0.338	2.542	2.633
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.129	2.011	0.882			2.796	2.034	1.98	1.571	1.963	2.172
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.039						1.139	1.936	1.989	1.838	1.912
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.098	1.664	0.895			0.837	1.62	1.781	1.527	1.909	1.886
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.965	1.01	0.889		0.483	0.695	0.959	1.466	2.19	1.939	1.553
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.039	1.75	1.659	0.754	0.879	1.141	1.817	1.876	1.876	1.827	1.909
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.86	0.847	0.888	16.298			0.36			0.509	1.243
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.075	1.658	0.918		1.289	1.243	1.819	2.004	2.282	2.004	1.86
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.043	1.762	0.929		0.74	1.103	1.819	1.945	2.264	1.994	1.903
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.594	0.786			1.451	1.365	1.858	1.717	2.159	1.578	1.549
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.926	1.357	0.898			0.954	1.555	1.735	2.078	1.891	1.747

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	RE: Weekly data mining
Date:	Tuesday, June 28, 2022 6:49:02 AM
Attachments:	USST_20220624.xls

Sorry – forgot attachment

From: Menschik, David
Sent: Tuesday, June 28, 2022 6:48 AM
To: Shimabukuro, Tom (CDC) <ayv6@cdc.gov>; Su, John (CDC) <ezu2@cdc.gov>; Moro, Pedro L (CDC) <psm9@cdc.gov>
Cc: Zinderman, Craig E <Craig.Zinderman@fda.hhs.gov>; Nair, Narayan <Narayan.Nair@fda.hhs.gov>; Alimchandani, Meghna <Meghna.Alimchandani@fda.hhs.gov>; Broder, Karen R (CDC) <krb2@cdc.gov>; Mcneil, Michael M (CDC) <mmm2@cdc.gov>; Lale, Allison (CDC) <rgo3@cdc.gov>
Subject: Weekly data mining

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 $\geq$2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 6/24/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220624	US Serious EB05 20220624	US Fatal EB05 20220624	US Infant EB05 20220624	US Child EB05 20220624	US Teen EB05 20220624	US Adult1 EB05 20220624	US Adult2 EB05 20220624	US Adult3 EB05 20220624	US Female EB05 20220624	US Male EB05 20220624
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	1.994	1.457	0.922			0.376	1.481	1.83	1.946	2.602	1.355
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.019	1.486	0.873				1.539	1.975	1.975	2.664	1.375
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.023	1.268	0.973				0.779	1.674	1.743	1.588	1.847
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.117	1.318	1.021			0.45	1.522	2.053	1.995	2.437	1.773
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.385	0.966	0.886			0.522	0.963	0.701	0.676	2.626	1.443
COVID19 (COVID19 (JANSSEN))	Adverse event	2.636	1.09	0.891				0.864	0.907	0.835	1.895	1.714
COVID19 (COVID19 (JANSSEN))	Albumin CSF increased	2.02	1.751					1.234	1.368		0.887	1.561
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.909	1.26	0.906				1.472	1.441	1.673	2.093	1.319
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.507	1.763	0.909			0.485	2.324	1.924	2.054	3.298	1.515
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.068	1.367	0.884				1.781	1.78	1.23	2.156	1.473
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.29	1.605	0.908			0.408	1.694	2.239	2.181	2.451	1.962
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.783	1.333	0.909			0.355	1.146	2.144	1.468	2.098	1.323
COVID19 (COVID19 (JANSSEN))	Antibody test	2.162	0.824	0.879			0.566	0.865	1.561	2.126	2.058	1.685
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.18	1.457	0.97	0.619		0.412	1.85	2.019	2.262	2.747	1.673
COVID19 (COVID19 (JANSSEN))	Application site pain	2.008						0.561	0.636	0.678	1.037	0.764
COVID19 (COVID19 (JANSSEN))	Areflexia	2.049	1.647	0.9				0.967	2.226		2.139	1.423
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.798	1.132	0.885				1.203	1.2	1.398	2.156	0.963
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.831	1.342	0.928	0.617		0.351	1.12	2.18	1.862	2.273	1.311
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.75	1.361	0.935	0.616		0.341	1.099	2.224	1.782	2.151	1.318
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.822	1.264	0.928			0.354	1.505	1.842	1.749	2.173	1.41
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.86	1.334	0.948			0.405	1.364	2.068	1.877	2.176	1.508
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.854	1.239	0.917				1.118	2	1.58	1.908	1.587
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.79	1.283	0.952			0.502	1.242	1.953	1.83	2.125	1.332
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen	1.901	1.246	0.876			0.576	0.929	2.157	0.569	1.698	1.211
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.686	2.122	0.896			0.498	1.741	2.031	0.87	3.927	1.026
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.782	1.274	0.923			0.176	1.116	1.904	1.743	2.316	1.223
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.686	1.205	0.938			0.556	1.246	1.483	2.02	1.888	1.223
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.828	1.301	0.896	0.616			1.372	2.003	1.738	1.955	1.603
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.632	1.086	0.923				1.707	1.335	1.171	2.025	1.01
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.662	1.326	0.89			0.294	1.368	1.942	1.246	2.021	0.911
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.901	1.252	0.913			0.353	1.088	2.055	1.775	2.089	1.654
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.238	1.401	1.074				1.885	2.245	2.057	2.422	2.001
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.577	1.987	0.879				1.857	3.015	0.984	2.52	2.149
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.235	1.587	0.94			0.521	1.774	1.828	1.499	3.34	1.173
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.793	1.95	0.923			0.529	1.38	1.629	1.259	3.792	1.191
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.716	1.738	0.884				1.468	1.357	1.63	3.626	1.27
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.357	2.172	0.918			0.524	2.579	2.441	0.872	3.924	1.272
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.866	1.268	0.951			0.378	1.364	1.875	1.9	2.078	1.622
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.411	1.623	0.959	0.618		0.598	2.125	2.261	2.03	2.995	1.714
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.977	1.323	0.912			0.436	1.721	1.945	1.796	2.255	1.511
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.002	1.381	0.925			0.527	1.408	2.044	1.98	2.243	1.683
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	1.976	1.265	0.886				0.495	0.866	2.111	1.047	1.731
COVID19 (COVID19 (JANSSEN))	Death	1.873	1.17	0.961				1.226	1.633	1.582	2.085	1.551
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.65	1.804	1.053			0.461	2.273	2.292	3.207	3.307	2.087
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.034	1.342	1.094			0.358	1.429	2.066	1.859	2.070	1.821
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.778	1.28	0.926			0.25	1.205	2.026	1.754	2.061	1.35
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.76	1.318	0.931	0.616		0.371	1.213	2.031	1.746	2.047	1.371
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.756	0.841	0.889			1.181	2.021	1.454	0.972	1.851	1.421
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.263	1.272	0.897			0.503	2.168	2.138	1.94	2.517	1.699
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.136	1.443	0.978	0.619		0.295	1.705	2.285	2.216	2.515	1.623
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.938	1.06	0.884			0.435	1.624	2.036	1.027	2.197	1.271
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.33	1.443		0.757			0.675			1.64	1.845
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.214	1.031	0.895			0.402	2.305	1.865	1.213	2.213	1.604
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.864	1.27	0.91			0.394	1.272	1.751	1.619	2.227	1.249
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.716	1.158	0.909				1.225	1.449	1.363	2.175	1.086
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.453	1.823	0.892			0.435	1.617	3.062	1.627	2.398	2.173
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.795	1.265	0.943	0.613		0.527	1.329	2.002	1.774	2.156	1.432
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.751	1.229	0.935	0.613		0.422	1.406	1.93	1.666	2.073	1.419
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.707	3.606	0.898				4.176	5.513	4.344	7.258	3.37
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.143	3.294	0.881			0.55	4.201	5.724	0.739	7.042	2.483
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.076	1.313	0.958			0.416	1.488	2.085	1.932	2.448	1.69
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.097	1.731	0.881			0.011	1.941	2.577	1.378	2.208	1.758
COVID19 (COVID19 (JANSSEN))	Intensive care	1.954	1.394	1.062			0.057	1.476	2.117	2.068	2.343	1.605
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.749	1.195	0.883	0.755		0.377	1.529	1.871	1.425	2.287	1.249
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.945	1.249	0.89				1.382	2.056	1.03	2.127	1.27
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.673	1.778	0.91				0.84	1.421	0.994	1.71	1.623
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.602	1.376	0.884				1.37	1.115	0.712	2.296	0.707
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.863	1.347	0.873				1.269	2.176	1.004	1.648	1.757
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.146	1.681					1.116	2.853	1.02	1.752	1.845
COVID19 (COVID19 (JANSSEN))	Lung infiltration	1.83	1.154	0.928			0.61	1.284	1.803	1.398	2.002	1.454
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.984	1.268	0.947				1.446	1.707	1.988	2.35	1.514
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.679	1.225	0.924			0.248	0.907	2.045	1.864	2.06	1.306
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.06	1.467	0.914			0.464	1.768	1.896	2.102	2.312	1.619
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.016	1.358	0.929	0.619		0.503	1.248	2.177	1.815	2.35	1.364
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.719	1.268	0.919			0.359	1.166	1.913	1.523	2.077	1.009
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.818	1.274	0.903			0.378	1.147	2.246	1.521	2.031	1.388
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.268	1.494	1.009			0.475	1.155	2.238	2.041	2.091	2.035
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.513	1.207	0.918	0.616		0.205	0.839	1.908	1.95	2.168	1.102
COVID19 (COVID19 (JANSSEN))	Neonatal dyspnoea	2.382	0.984		0.62						0.876	1.117
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.504	1.193	0.89			0.368	1.107	1.595	1.618	2.107	0.871
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.725	1.259	0.924			0.295	1.095	2.067	1.807	1.979	1.418
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.087	0.789					0.744	0.613		3.027	1.076
COVID19 (COVID19 (JANSSEN))	Off label use	2.108	0.66	0.893			8.453	1.235	1.47	1.042	1.524	2.142
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.767	0.751					3.427	0.982		2.243	
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.205	0.857				0.512	1.495	2.232	1.036	2.175	1.405
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.084	1.358	0.881				0.657	1.034	1.565	2.265	0.95
COVID19 (COVID19 (JANSSEN))	Platelet count	2.652	2.142	0.916	0.618		0.474	1.863	2.884	2.574	3.016	1.807
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.874	1.301	0.912	0.614		0.333	1.473	2.08	1.654	2.261	1.466
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.54	1.8	0.898			0.448	2.098	2.699	2.141	3.086	1.699
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.759	3.245	0.886				4.284	4.662	0.794	5.649	2.273
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.243	1.651	0.883				0.858	1.868	1.03	2.316	1.334
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.08	1.292	0.954				1.003	2.119	1.691	2.25	1.642
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.759	0.834	0.883		0.693	2.059	0.037	0.002	0.507	1.669	1.814
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.182	1.335					5.065			5.153	
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.779	1.218	0.923	0.616		0.325	1.428	1.617	1.714	2.01	1.405
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.909	1.369	0.933	0.754		0.291	1.453	2.263	1.645	2.45	1.44
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.254	1.583	1.045	0.62		0.586	1.81	2.065	2.623	2.523	1.922
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.34	1.513	0.908				1.721	1.726	1.919	2.221	1.923
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.78	1.254	0.927	0.614		0.59	1.349	1.981	1.653	2.005	1.489
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.962	1.314	0.927	0.617		0.381	1.283	2.12	1.805	2.299	1.437
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.528	0.994					2.863	0.506		1.068	0.725
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.593	1.798	0.89			0.53	1.763	2.048	1.756	2.615	1.821
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.378	2.228	1.601			0.618	3.095	3.125	1.118	2.773	3.344
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.561	0.757	0.882			0.651	3.774	6.556	14.647	7.697	5.705
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.709							0.638		0.569	0.962
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.944	1.315	0.895			0.508	1.45	1.502	1.462	2.087	1.342
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.268	1.705	0.954			0.361	1.606	2.39	1.883	2.498	1.776
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.922	2.127	1.753	0.62		0.732	2.017	2.493	3.607	3.003	2.388
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	6.101	3.019	0.903				3.042	5.736	0.563	5.606	3.38
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.076	1.493	0.882				1.776	1.225	0.623	2.111	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.34	1.431	0.909			0.711	1.89	2.202	2.144	2.648	1.744
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.701	1.822	0.966	0.619		0.522	2.502	2.296	2.836	3.276	2.121
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.339	1.61	0.913			0.424	2.231	1.965	1.95	2.405	1.845
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.606	3.027				0.554	1.44	2.448	4.096	2.179	2.357
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.913	0.855					1.25	1.374	0.789	2.101	0.809
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.071	0.907	0.881				0.975	1.572	1.125	1.796	1.113
COVID19 (COVID19 (JANSSEN))	Venogram	2.341	1.746	0.88				2.002	1.6	0.706	2.542	1.064
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.663	2.002				0.608	2.67	1.818	0.659	3.295	1.192
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.879	2.17	0.886				3.632		1.068	4.767	1.199
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.465	0.810		10.497	0.872		1.28		0.521	1.456	1.074
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.685	0.993	0.893	0.611	1.599	2.489	0.794	0.657	0.436	0.688	0.646
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.026	1.166				0.663	2.05	1.541	0.807	1.97	1.93
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.53	1.019	0.892	0.471	5.603	2.99	0.163	0.083	0.36	2.542	2.634
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.129	2.002	0.879			2.721	2.032	1.983	1.571	1.963	2.172
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.048						1.142	2.004	1.846	1.977	1.926
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.099	1.662	0.893			0.836	1.621	1.783	1.529	1.909	1.888
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.965	1.011	0.886		0.483	0.695	0.959	1.464	2.189	1.928	1.552
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.032	1.751	1.661	0.752	0.884	1.145	1.817	1.878	1.9	1.829	1.903
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.86	0.847	0.886	16.202			0.365			0.513	1.214
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.074	1.649	0.917		1.289	1.245	1.818		2.279	2.004	1.856
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.041	1.759	0.928		0.742	1.108	1.818	1.938	2.26	1.995	1.896
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.591	0.786			1.453	1.363	1.857	1.717	2.153	1.577	1.546
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.925	1.366	0.896			0.954	1.555	1.739	2.077	1.89	1.747

From:	Menschik, David
To:	Shimabukuro, Tom (CDC); Su, John (CDC); Moro, Pedro L (CDC)
Cc:	Zinderman, Craig E; Nair, Narayan; Alimchandani, Meghna; Broder, Karen R (CDC); Mcneil, Michael M (CDC); Lale, Allison (CDC)
Subject:	Weekly data mining
Date:	Tuesday, July 5, 2022 7:41:46 AM
Attachments:	USST_20220701.xls

Good morning all,

Attached please find a list of all (i.e., unvetted and regardless of notability) PTs with data mining alerts (i.e., EB05 ≥2) for all SARS-CoV-2 vaccine VAERS reports from our weekly 'US Signals Summary Table' ('as of date' 7/1/22). Please feel free to share this hypothesis generating output with your team/command chain, though this is not intended to be shared more broadly.

Thanks,
David

Drug	Event	US EB05 20220701	US Serious EB05 20220701	US Fatal EB05 20220701	US Infant EB05 20220701	US Child EB05 20220701	US Teen EB05 20220701	US Adult1 EB05 20220701	US Adult2 EB05 20220701	US Adult3 EB05 20220701	US Female EB05 20220701	US Male EB05 20220701
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time prolonged	2.007	1.468	0.92			0.375	1.477	1.851	1.986	2.645	1.352
COVID19 (COVID19 (JANSSEN))	Activated partial thromboplastin time shortened	2.019	1.484	0.869				1.536	1.967	1.989	2.686	1.366
COVID19 (COVID19 (JANSSEN))	Acute respiratory distress syndrome	2.045	1.288	0.983				0.767	1.743	1.738	1.583	1.889
COVID19 (COVID19 (JANSSEN))	Acute respiratory failure	2.126	1.322	1.028			0.45	1.533	2.087	1.986	2.425	1.794
COVID19 (COVID19 (JANSSEN))	Adverse drug reaction	3.395	0.985	0.88			0.522	0.953	0.701	0.739	2.654	1.443
COVID19 (COVID19 (JANSSEN))	Adverse event	2.64	1.091	0.886				0.864	0.906	0.833	1.893	1.714
COVID19 (COVID19 (JANSSEN))	Angiogram abnormal	1.9	1.252	0.903				1.466	1.434	1.672	2.094	1.309
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral abnormal	2.509	1.764	0.905			0.485	2.386	1.918	2.044	3.302	1.511
COVID19 (COVID19 (JANSSEN))	Angiogram cerebral normal	2.091	1.302	0.881				1.781	1.828	1.226	2.145	1.522
COVID19 (COVID19 (JANSSEN))	Angiogram pulmonary abnormal	2.299	1.605	0.907	0.619		0.408	1.714	2.216	2.205	2.459	1.972
COVID19 (COVID19 (JANSSEN))	Anion gap decreased	1.795	1.346	0.91			0.351	1.142	2.144	1.524	2.149	1.311
COVID19 (COVID19 (JANSSEN))	Antibody test	2.17	0.824	0.873			0.586	0.863	1.59	2.124	2.071	1.685
COVID19 (COVID19 (JANSSEN))	Anticoagulant therapy	2.176	1.45	0.974	0.619		0.41	1.844	2.026	2.25	2.733	1.674
COVID19 (COVID19 (JANSSEN))	Application site pain	2.008						0.561	0.636	0.679	1.037	0.764
COVID19 (COVID19 (JANSSEN))	Areflexia	2.047	1.642	0.896				0.967	2.227	1.307	2.14	1.42
COVID19 (COVID19 (JANSSEN))	Arteriogram carotid abnormal	1.797	1.131	0.88				1.203	1.2	1.397	2.158	0.962
COVID19 (COVID19 (JANSSEN))	Basophil count decreased	1.833	1.341	0.934	0.617		0.351	1.112	2.186	1.867	2.264	1.32
COVID19 (COVID19 (JANSSEN))	Basophil percentage decreased	1.748	1.357	0.941	0.616		0.339	1.091	2.225	1.782	2.135	1.326
COVID19 (COVID19 (JANSSEN))	Blood albumin decreased	1.844	1.279	0.937			0.351	1.517	1.884	1.777	2.19	1.435
COVID19 (COVID19 (JANSSEN))	Blood calcium decreased	1.871	1.343	0.958			0.404	1.363	2.077	1.907	2.188	1.52
COVID19 (COVID19 (JANSSEN))	Blood chloride decreased	1.876	1.252	0.924				1.111	2.032	1.603	1.944	1.598
COVID19 (COVID19 (JANSSEN))	Blood chloride increased	1.792	1.284	0.961			0.5	1.237	1.948	1.85	2.122	1.339
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen	1.965	1.32	0.869			0.576	0.929	2.157	0.655	1.825	1.211
COVID19 (COVID19 (JANSSEN))	Blood fibrinogen decreased	2.795	2.165	0.896			0.498	1.741	2.031	0.958	4.086	1.027
COVID19 (COVID19 (JANSSEN))	Blood lactate dehydrogenase increased	1.707	1.244	0.895	0.619			1.186	2.025	1.309	1.763	1.416
COVID19 (COVID19 (JANSSEN))	Blood magnesium increased	1.777	1.27	0.92			0.175	1.102	1.893	1.763	2.31	1.217
COVID19 (COVID19 (JANSSEN))	Blood potassium decreased	1.7	1.216	0.94			0.551	1.256	1.487	2.058	1.897	1.245
COVID19 (COVID19 (JANSSEN))	Blood sodium decreased	1.841	1.306	0.901	0.616			1.391	2.016	1.744	1.975	1.81
COVID19 (COVID19 (JANSSEN))	Blood sodium increased	1.657	1.098	0.927				1.707	1.359	1.201	2.019	1.054
COVID19 (COVID19 (JANSSEN))	Blood urea decreased	1.673	1.337	0.889			0.289	1.389	1.922	1.294	2.026	0.934
COVID19 (COVID19 (JANSSEN))	Blood urea increased	1.911	1.259	0.919			0.35	1.097	2.064	1.788	2.121	1.658
COVID19 (COVID19 (JANSSEN))	COVID-19 pneumonia	2.253	1.407	1.082				1.968	2.264	2.059	2.433	2.018
COVID19 (COVID19 (JANSSEN))	CSF protein increased	2.585	1.991	0.873				1.85	3.066	0.98	2.573	2.143
COVID19 (COVID19 (JANSSEN))	Catheter directed thrombolysis	1.774	1.232	0.875			0.532	0.456	1.736	0.806	2.115	0.691
COVID19 (COVID19 (JANSSEN))	Cerebral haemorrhage	2.23	1.58	0.939			0.521	1.764	1.826	1.5	3.317	1.173
COVID19 (COVID19 (JANSSEN))	Cerebral mass effect	2.755	1.928	0.92			0.529	1.38	1.618	1.254	3.699	1.192
COVID19 (COVID19 (JANSSEN))	Cerebral thrombosis	2.71	1.733	0.878				1.468	1.354	1.635	3.611	1.271
COVID19 (COVID19 (JANSSEN))	Cerebral venous sinus thrombosis	3.357	2.172	0.916			0.524	2.579	2.441	0.873	3.924	1.272
COVID19 (COVID19 (JANSSEN))	Chest X-ray abnormal	1.873	1.27	0.954			0.374	1.369	1.884	1.903	2.077	1.635
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head abnormal	2.4	1.614	0.959	0.618		0.597	2.1	2.255	2.017	2.969	1.714
COVID19 (COVID19 (JANSSEN))	Computerised tomogram head normal	1.988	1.332	0.916			0.436	1.734	1.962	1.8	2.258	1.531
COVID19 (COVID19 (JANSSEN))	Computerised tomogram thorax abnormal	2.008	1.384	0.927			0.524	1.406	2.064	1.974	2.252	1.687
COVID19 (COVID19 (JANSSEN))	Creatinine renal clearance decreased	1.949	1.241	0.881				0.495	0.859	2.097	1.043	1.707
COVID19 (COVID19 (JANSSEN))	Death	1.877	1.171	0.962				1.223	1.644	1.586	2.084	1.557
COVID19 (COVID19 (JANSSEN))	Deep vein thrombosis	2.651	1.805	1.046			0.461	2.27	2.296	3.199	3.306	2.087
COVID19 (COVID19 (JANSSEN))	Endotracheal intubation	2.045	1.346	1.106			0.358	1.426	2.084	1.869	2.093	1.83
COVID19 (COVID19 (JANSSEN))	Eosinophil count decreased	1.787	1.285	0.932			0.249	1.214	2.04	1.757	2.06	1.368
COVID19 (COVID19 (JANSSEN))	Eosinophil percentage decreased	1.781	1.329	0.937	0.616		0.369	1.218	2.06	1.777	2.072	1.387
COVID19 (COVID19 (JANSSEN))	Feeling cold	1.757	0.84	0.884			1.181	2.023	1.452	0.982	1.848	1.429
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer	2.274	1.281	0.893			0.502	2.179	2.147	1.995	2.532	1.706
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer increased	2.152	1.46	0.99	0.619		0.293	1.715	2.293	2.257	2.522	1.648
COVID19 (COVID19 (JANSSEN))	Fibrin D dimer normal	1.945	1.069	0.878			0.435	1.624	2.017	1.104	2.184	1.294
COVID19 (COVID19 (JANSSEN))	Foetal exposure during pregnancy	2.329	1.46		0.757			0.675			1.642	1.845
COVID19 (COVID19 (JANSSEN))	Gaze palsy	2.214	1.031	0.89			0.402	2.305	1.686	1.215	2.214	1.604
COVID19 (COVID19 (JANSSEN))	Globulins increased	1.897	1.298	0.911			0.391	1.3	1.758	1.684	2.274	1.275
COVID19 (COVID19 (JANSSEN))	Glucose urine present	1.746	1.176	0.912				1.225	1.518	1.357	2.23	1.106
COVID19 (COVID19 (JANSSEN))	Guillain-Barre syndrome	2.448	1.818	0.887			0.434	1.617	3.042	1.622	2.393	2.169
COVID19 (COVID19 (JANSSEN))	Haematocrit decreased	1.804	1.271	0.956	0.613		0.527	1.328	2.015	1.789	2.157	1.447
COVID19 (COVID19 (JANSSEN))	Haemoglobin decreased	1.76	1.234	0.945	0.613		0.421	1.406	1.942	1.678	2.081	1.429
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test	5.708	3.605	0.894				4.176	5.514	4.346	7.258	3.372
COVID19 (COVID19 (JANSSEN))	Heparin-induced thrombocytopenia test positive	6.145	3.291	0.875			0.55	4.199	5.727	0.74	7.043	2.491
COVID19 (COVID19 (JANSSEN))	Hypoxia	2.093	1.322	0.957			0.416	1.553	2.091	1.946	2.447	1.718
COVID19 (COVID19 (JANSSEN))	Immunoglobulin therapy	2.09	1.723	0.873			0.011	1.932	2.577	1.376	2.2	1.75
COVID19 (COVID19 (JANSSEN))	Intensive care	1.964	1.399	1.08			0.057	1.478	2.13	2.083	2.351	1.614
COVID19 (COVID19 (JANSSEN))	International normalised ratio increased	1.758	1.198	0.882	0.755		0.377	1.529	1.89	1.429	2.306	1.251
COVID19 (COVID19 (JANSSEN))	International normalised ratio normal	1.931	1.239	0.885				1.366	2.057	1.025	2.102	1.286
COVID19 (COVID19 (JANSSEN))	Intracardiac thrombus	2.674	1.778	0.907				0.84	1.422	0.905	1.712	1.624
COVID19 (COVID19 (JANSSEN))	Jugular vein thrombosis	1.803	1.377	0.879				1.369	1.116	0.712	2.297	0.707
COVID19 (COVID19 (JANSSEN))	Lumbar puncture	1.869	1.345	0.866				1.267	2.195	1.006	1.661	1.755
COVID19 (COVID19 (JANSSEN))	Lumbar puncture abnormal	2.134	1.666					1.116	2.852	1.018	1.753	1.827
COVID19 (COVID19 (JANSSEN))	Lung opacity	1.985	1.266	0.949				1.449	1.715	1.983	2.357	1.511
COVID19 (COVID19 (JANSSEN))	Lymphocyte percentage decreased	1.687	1.229	0.933			0.246	0.997	2.064	1.87	2.074	1.309
COVID19 (COVID19 (JANSSEN))	Magnetic resonance imaging head abnormal	2.059	1.466	0.911			0.464	1.758	1.897	2.086	2.297	1.631
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin concentration decreased	2.017	1.354	0.934	0.619		0.498	1.257	2.157	1.838	2.35	1.37
COVID19 (COVID19 (JANSSEN))	Mean cell haemoglobin decreased	1.724	1.27	0.919			0.357	1.161	1.884	1.59	2.1	0.968
COVID19 (COVID19 (JANSSEN))	Mean platelet volume increased	1.826	1.282	0.907			0.376	1.135	2.254	1.556	2.034	1.4
COVID19 (COVID19 (JANSSEN))	Mechanical ventilation	2.282	1.503	1.02			0.474	1.153	2.268	2.046	2.086	2.062
COVID19 (COVID19 (JANSSEN))	Monocyte percentage increased	1.514	1.204	0.918	0.616		0.201	0.847	1.893	1.965	2.171	1.102
COVID19 (COVID19 (JANSSEN))	Neonatal dyspnoea	2.377	0.985		0.62						0.876	1.117
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage decreased	1.516	1.205	0.889			0.365	1.107	1.59	1.69	2.117	0.882
COVID19 (COVID19 (JANSSEN))	Neutrophil percentage increased	1.726	1.258	0.932			0.293	1.104	2.068	1.803	1.972	1.426
COVID19 (COVID19 (JANSSEN))	Nonspecific reaction	4.086	0.789					0.744	0.613		3.026	1.076
COVID19 (COVID19 (JANSSEN))	Off label use	2.113	0.661	0.888			8.451	1.235	1.485	1.04	1.528	2.143
COVID19 (COVID19 (JANSSEN))	On and off phenomenon	1.767	0.751					3.423	0.982		2.244	
COVID19 (COVID19 (JANSSEN))	Pain assessment	2.206	0.857				0.512	1.495	2.233	1.039	2.176	1.405
COVID19 (COVID19 (JANSSEN))	Peripheral embolism	3.082	1.36	0.875				0.657	1.035	1.572	2.268	0.951
COVID19 (COVID19 (JANSSEN))	Platelet count	2.67	2.155	0.914	0.618		0.473	1.863	2.915	2.713	3.04	1.823
COVID19 (COVID19 (JANSSEN))	Platelet count decreased	1.889	1.306	0.915	0.614		0.331	1.488	2.102	1.664	2.265	1.49
COVID19 (COVID19 (JANSSEN))	Platelet count normal	2.553	1.798	0.894			0.448	2.101	2.692	2.219	3.114	1.701
COVID19 (COVID19 (JANSSEN))	Platelet factor 4	5.76	3.243	0.881				4.283	4.963	0.795	5.65	2.28
COVID19 (COVID19 (JANSSEN))	Portal vein thrombosis	2.244	1.652	0.877				0.858	1.869	1.032	2.317	1.335
COVID19 (COVID19 (JANSSEN))	Positive airway pressure therapy	2.086	1.293	0.956				0.907	2.123	1.706	2.283	1.632
COVID19 (COVID19 (JANSSEN))	Product administered to patient of inappropriate age	1.76	0.835	0.877		0.693	2.06	0.037	0.002	0.506	1.67	1.812
COVID19 (COVID19 (JANSSEN))	Prolonged labour	5.184	1.336					5.065			5.557	
COVID19 (COVID19 (JANSSEN))	Protein total decreased	1.806	1.237	0.933	0.616		0.319	1.446	1.646	1.744	2.036	1.431
COVID19 (COVID19 (JANSSEN))	Prothrombin time prolonged	1.917	1.374	0.937	0.754		0.291	1.449	2.27	1.664	2.473	1.439
COVID19 (COVID19 (JANSSEN))	Pulmonary embolism	2.861	1.588	1.05	0.62		0.585	1.819	2.071	2.632	2.529	1.93
COVID19 (COVID19 (JANSSEN))	Pulmonary thrombosis	2.341	1.514	0.905				1.721	1.727	1.924	2.222	1.925
COVID19 (COVID19 (JANSSEN))	Red blood cell count decreased	1.786	1.258	0.936	0.614		0.586	1.349	1.991	1.663	2.004	1.502
COVID19 (COVID19 (JANSSEN))	Red cell distribution width increased	1.968	1.319	0.931	0.617		0.379	1.267	2.126	1.828	2.306	1.443
COVID19 (COVID19 (JANSSEN))	Russell's viper venom time abnormal	1.329	0.994					2.654	0.506		1.868	0.725
COVID19 (COVID19 (JANSSEN))	Sensory disturbance	2.008	1.306	0.881				1.445	1.86	1.472	1.878	1.748
COVID19 (COVID19 (JANSSEN))	Superficial vein thrombosis	2.582	1.778	0.885			0.53	1.762	2.039	1.749	2.588	1.822
COVID19 (COVID19 (JANSSEN))	Suspected COVID-19	3.30	2.231	1.596			0.618	3.12	3.176	1.123	2.813	3.343
COVID19 (COVID19 (JANSSEN))	Therapy non-responder	6.559	0.757	0.876			0.651	3.658	6.592	14.645	7.714	5.681
COVID19 (COVID19 (JANSSEN))	Therapy partial responder	2.705							0.637	0.568	0.581	1.026
COVID19 (COVID19 (JANSSEN))	Thrombectomy	1.942	1.311	0.89			0.508	1.446	1.503	1.464	2.08	1.343
COVID19 (COVID19 (JANSSEN))	Thrombocytopenia	2.274	1.705	0.951			0.36	1.62	2.404	1.885	2.51	1.78
COVID19 (COVID19 (JANSSEN))	Thrombosis	2.924	2.126	1.766	0.62		0.732	2.011	2.487	3.622	2.995	2.401
COVID19 (COVID19 (JANSSEN))	Thrombosis with thrombocytopenia syndrome	6.101	3.018	0.9				3.035	5.746	0.562	5.608	3.396
COVID19 (COVID19 (JANSSEN))	Transverse sinus thrombosis	2.077	1.495	0.876				1.775	1.225	0.623	2.112	0.879
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler	2.345	1.427	0.905			0.711	1.888	2.209	2.139	2.653	1.75
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler abnormal	2.695	1.818	0.958	0.619		0.522	2.484	2.295	2.83	3.28	2.108
COVID19 (COVID19 (JANSSEN))	Ultrasound Doppler normal	2.344	1.607	0.91			0.424	2.241	1.959	1.972	2.415	1.843
COVID19 (COVID19 (JANSSEN))	Vaccination failure	1.61	3.024	2.476			0.554	1.462	2.46	4.1	2.189	2.366
COVID19 (COVID19 (JANSSEN))	Varicose vein	1.91	0.895					1.25	1.375	0.787	2.094	0.809
COVID19 (COVID19 (JANSSEN))	Vasodilatation	2.069	0.907	0.874				0.975	1.573	1.123	1.793	1.113
COVID19 (COVID19 (JANSSEN))	Venogram	2.341	1.747	0.873				2.001	1.601	0.706	2.543	1.064
COVID19 (COVID19 (JANSSEN))	Venogram abnormal	2.65	1.991				0.608	2.669	1.609	0.659	3.258	1.192
COVID19 (COVID19 (JANSSEN))	Venogram normal	3.84	2.162	0.881				3.587	2	1.655	4.715	1.195
COVID19 (COVID19 (MODERNA))	Exposure via breast milk	1.474	0.819		9.551	1.374		1.28	0.52		1.472	1.072
COVID19 (COVID19 (MODERNA))	Interchange of vaccine products	0.685	0.994	0.889	0.607	1.393	2.491	0.703	0.657	0.437	0.698	0.646
COVID19 (COVID19 (MODERNA))	Mechanical urticaria	2.023	1.165				0.664	2.046	1.539	0.807	1.968	1.026
COVID19 (COVID19 (MODERNA))	Product administered to patient of inappropriate age	2.523	1.018	0.887	0.362	4.261	2.99	0.159	0.087	0.36	2.538	2.623
COVID19 (COVID19 (MODERNA))	Product dose omission issue	2.129	2.004	0.876			0.543	2.724	2.031	1.982	1.571	2.173
COVID19 (COVID19 (MODERNA))	Product temperature excursion issue	2.045						1.145	1.944	2.002	1.843	1.023
COVID19 (COVID19 (MODERNA))	Vaccination complication	2.090	1.663	0.889				0.836	1.62	1.782	1.529	1.887
COVID19 (COVID19 (PFIZER-BIONTECH))	Body height	1.967	1.011	0.881		0.484	0.695	0.96	1.466	2.193	1.93	1.553
COVID19 (COVID19 (PFIZER-BIONTECH))	Drug ineffective	2.035	1.754	1.664	0.745	0.888	1.147	1.826	1.885	1.887	1.834	1.908
COVID19 (COVID19 (PFIZER-BIONTECH))	Exposure via breast milk	0.853	0.847	0.88	15.347			0.365			0.507	1.215
COVID19 (COVID19 (PFIZER-BIONTECH))	Immunisation	2.077	1.652	0.915		1.289	1.245	1.82	2.002	2.282	2.007	1.898
COVID19 (COVID19 (PFIZER-BIONTECH))	Investigation	2.043	1.764	0.932		0.76	1.108	1.821	1.942	2.263	1.996	1.898
COVID19 (COVID19 (PFIZER-BIONTECH))	Product preparation issue	1.588	0.786		0.394	1.453	1.357	1.859	1.714	2.152	1.573	1.543
COVID19 (COVID19 (PFIZER-BIONTECH))	Weight	1.924	1.367	0.891			0.954	1.545	1.736	2.08	1.89	1.743