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RSVPreF3 Vaccine for Respiratory Syncytial Virus (RSV) in Older Adults

March 1, 2023

Vaccines and Related Biological Products Advisory Committee GSK plc.



IntroductionBishoy Rizkalla, PhD

Vice President & Global Medical Affairs Lead Respiratory Vaccines GSK

Agenda

Introduction

Bishoy Rizkalla, PhD

Vice President & Global Medical Affairs Lead GSK

Burden of Respiratory Disease in Older Adult Populations

Ann Falsey, MD

Professor of Medicine University of Rochester, NY

Efficacy & Immunogenicity

Bishoy Rizkalla, PhD

Vice President & Global Medical Affairs Lead GSK

Safety / Benefit-Risk

Peggy Webster, MD, MBA

Vice President & Head of Vaccine Safety GSK

About RSV and GSK's RSVPreF3 Older Adult (OA) Candidate Vaccine

RSV Infection represents significant health threat for OAs

Currently no vaccine available

Single dose

High level of protection from broad spectrum of RSV-A and RSV-B associated diseases

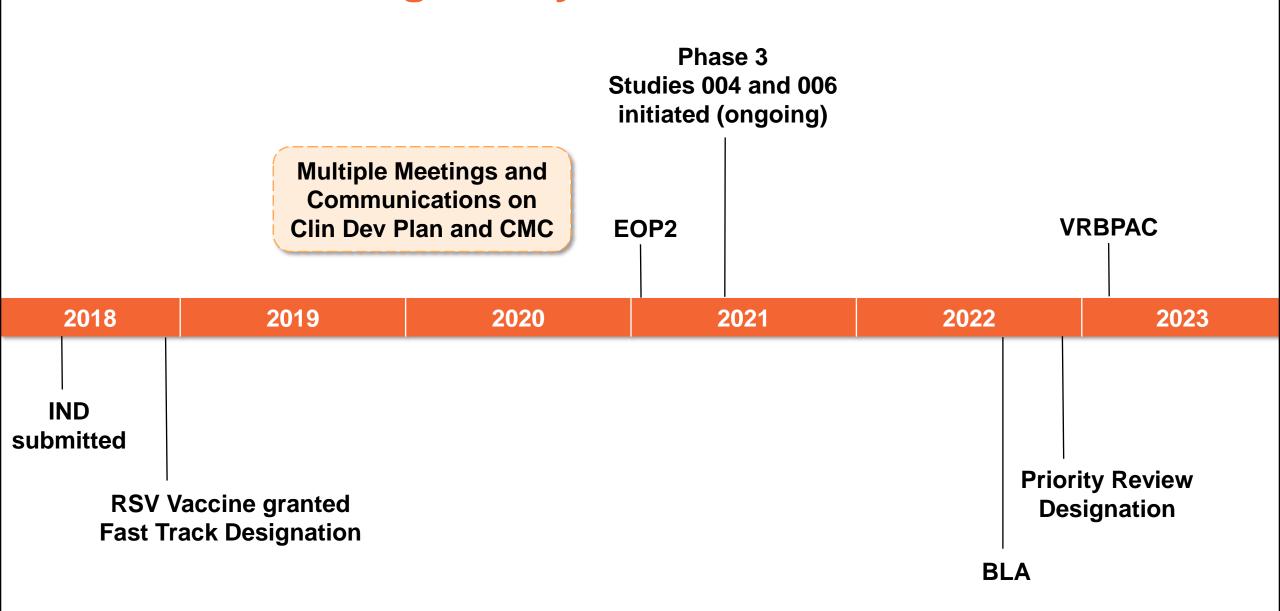
Well tolerated with acceptable safety profile

RSV OA Vaccine Proposed Indication, Dosing, and Administration

- Proposed indication
 - Active immunization for the prevention of lower respiratory tract disease (LRTD) caused by RSV-A and RSV-B subtypes in adults ≥ 60 YOA

- Proposed administration and dosage
 - Single IM administration of 120 µg RSVPreF3 adjuvanted with AS01_F

RSV Vaccine Regulatory Timeline



RSV Vaccine Clinical Program Supporting BLA

Phase 1/2

(Adults 18-40 YOA and older adults 60-80 YOA)

Study 002

Dose and formulation selection

Phase 3

(Older adults \geq 60 YOA)

Study 006

Pivotal efficacy, immunogenicity, and safety

Study 004

Immunogenicity and safety

Study 007

Co-administration with FLU-QIV

Study 009

Lot-to-lot consistency

Clinical Program Supports Efficacy and Safety of RSV Vaccine

- Efficacy of 82.6% in prevention of RSV LRTD in adults ≥ 60 YOA
- Consistent protection regardless of
 - RSV disease severity
 - Advancing age
 - Comorbidities of interest
 - RSV-A and RSV-B subtypes
- Well tolerated with acceptable safety profile



Burden of Respiratory Disease in Older Adult Populations

Ann Falsey, MD

Professor of Medicine University of Rochester, NY

Epidemiology of RSV

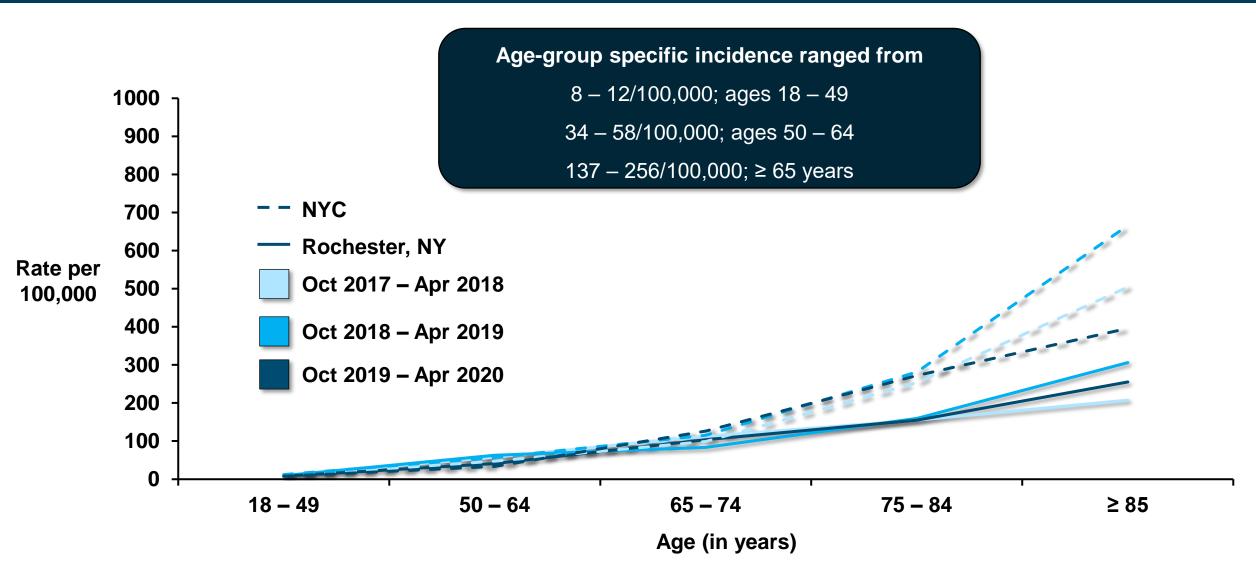
- RSV is highly contagious human pathogen that causes yearly epidemics during winter season in temperate climates
- RSV has 2 major subtypes, A and B, which may co-circulate
- RSV infection does not confer long-term immunity
 - Reinfection with RSV occurs throughout life and common in all ages^{1,2}
 - Adult symptoms range from mild colds to pneumonia and respiratory failure
- Major groups at risk for severe disease
 - Young children
 - Older adults
 - Adults with comorbid conditions

Infection Rates/100 Persons Per Season

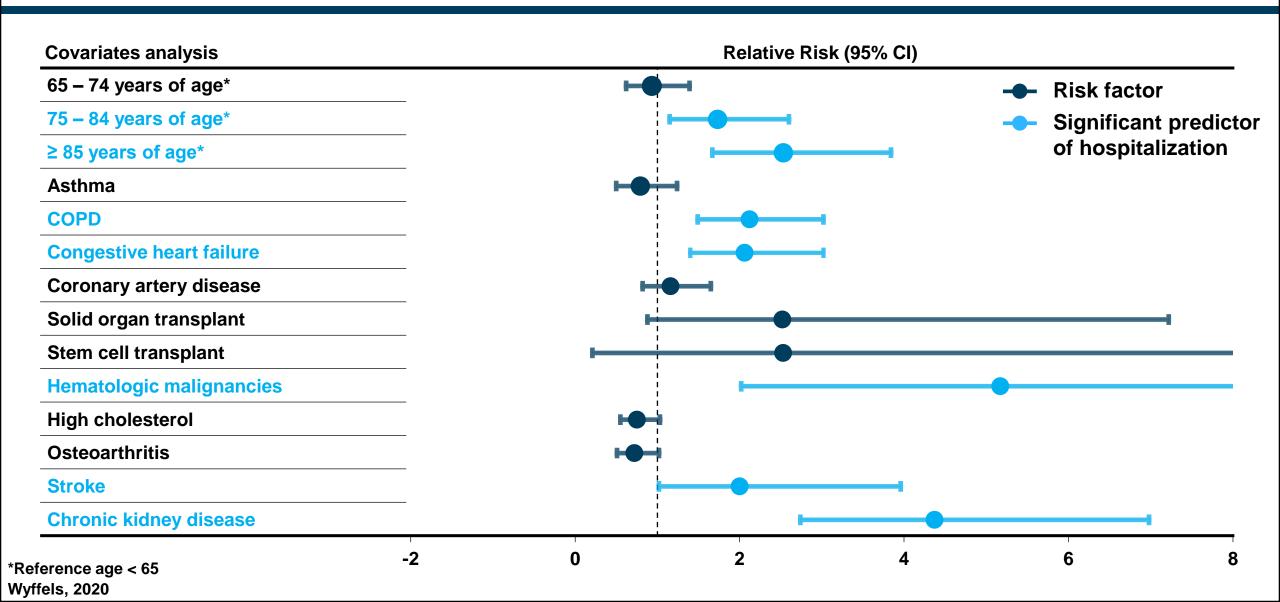
	4 Seasons 1999-2003 ¹ N = 1849 (375-551)	2 Seasons 2017-2019² N = 1040 (513-527)
RSV	5.5 (3.2 – 7.7)	5.7 (4.2 – 7.2)
Influenza A	2.4 (1.1 – 4.3)	3.0 (2.7 – 3.3)
Influenza B	1.0 (0 – 2.2)	2.8 (0 – 5.5)

- Using PCR + serology for diagnosis 10% asymptomatic
- Conservative estimate of symptomatic infection 3-4% per year

Adult RSV Hospitalization Rates in Upstate and NYC



Age and Comorbidities Increase Risk of Hospitalization Among Older Adults Who Develop RSV



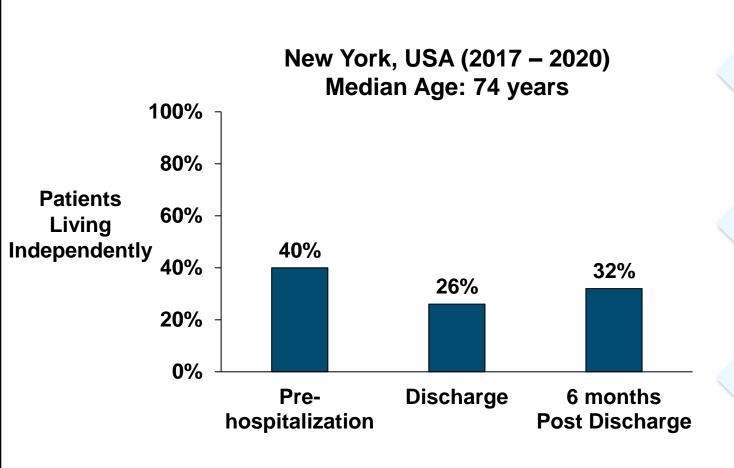
RSV Disease and Medically Attended Illness

Medically Attended RSV Infection in Community Cohort of Adults ≥ 50 Years Old

	Seasonal Incidence / 1000 (95% CI)
Overall	15.4 (13.2, 18.0)
Season	
06-07	11.0 (7.5, 16.1)
07-08	17.9 (13.2, 24.4)
08-09	16.6 (12.5, 22.1)
09-10	15.9 (12.2, 20.8)
Age Group, years	
50-59	12.4 (9.9, 15.6)
60-69	14.7 (11.0, 19.6)
> 70	19.9 (15.3, 25.8)

6% of those with outpatient visits progressed to hospitalization

Considerable Long-Term Impact of Hospitalizations on Functional Status and Health

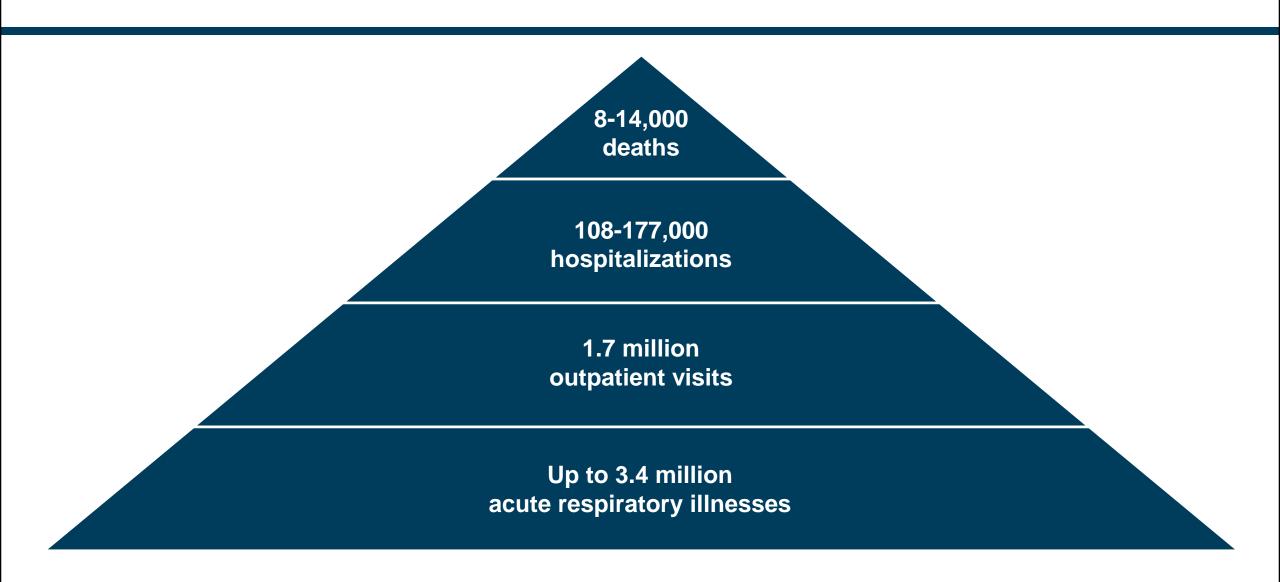


14% had loss of independence at discharge after hospitalization following RSV infection¹

8% reported ongoing loss of independence 6 months after hospitalization following RSV infection¹

Data accumulating that RSV leads to decompensation of heart failure, arrhythmia, and thromboembolic events similar to influenza^{2,3}

Annual US Burden of Disease in OAs ≥ 60 Years of Age



Unmet Need Summary

- RSV is frequent cause of respiratory tract disease in adults
- Older age and underlying medical conditions are risks for severe disease
- RSV-positive ARI in OAs associated with significant long-term lower QoL
- Adult RSV results in high burden on healthcare system
- Just beginning to understand the substantial non-respiratory impact of adult RSV with functional loss and cardiovascular complications
- Effective treatment for RSV infections not available
- Prevention with effective vaccine may be highly impactful



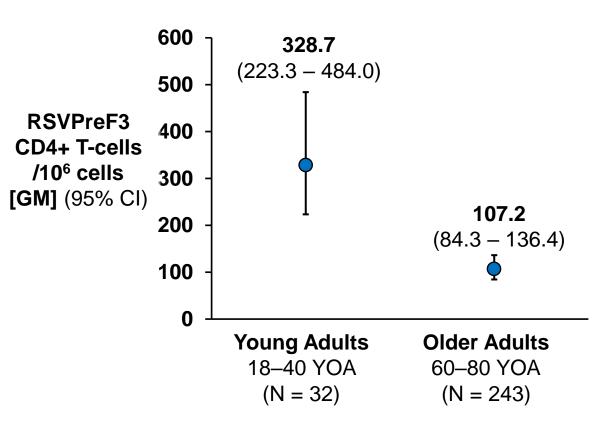
Efficacy & Immunogenicity Bishoy Rizkalla, PhD

Vice President & Global Medical Affairs Lead Respiratory Vaccines GSK

Age-Related Decline in Immunity and Challenges in Protecting OAs Against Severe RSV Disease

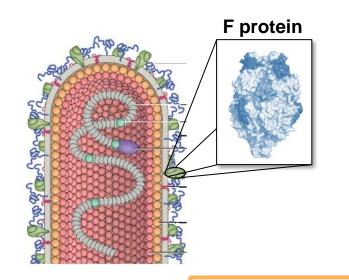
- Quality and quantity of immune cells diminishes with older age¹
- RSV F protein-specific T-cell responses shown deficient in OAs vs younger individuals^{2,3}
- Age-related decline in RSV-specific T-cell and NAb responses may be associated with higher risk of RSV disease severity^{1,2}





Lower levels in OAs vs young adults

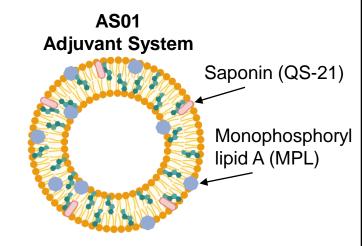
RSV Vaccine: 120 µg RSVPreF3 + AS01_E Adjuvant Formulation Selected for Phase 3 Development



RSV OA Vaccine

RSV PreF3 Antigen (120µg)

★ AS01_E Adjuvant System



- High serum neutralization titers for RSV-A and RSV-B
- High polyfunctional RSVPreF3 specific CD4+ T-cell responses in OAs approaching levels seen in young adults following vaccination
- Th1 dominant response
- Well tolerated with acceptable safety profile

Efficacy & Immunogenicity

RSV Vaccine Clinical Development Program

Phase 1/2

(Adults 18-40 YOA and older adults 60-80 YOA)

Study 002

Dose and formulation selection Total = 1,067 Exposed = 100

Phase 3

(Older adults ≥ 60 YOA)

Study 006

Pivotal efficacy, immunogenicity, and safety Total = 25,040 Exposed = 12,467

Study 004

Immunogenicity and safety
Total = 1,660
Exposed = 1,653

Study 007

Co-administration with FLU-QIV

Total = 890

Exposed = 868

Study 009

Lot-to-lot consistency Total = 758 Exposed = 757

Study 006: Pivotal Efficacy, Immunogenicity and Safety Study

Phase 1/2

(Adults 18-40 YOA and older adults 60-80 YOA)

Study 002

Dose and formulation selection Total = 1,067 Exposed = 100

Phase 3

(Older adults ≥ 60 YOA)

Study 006

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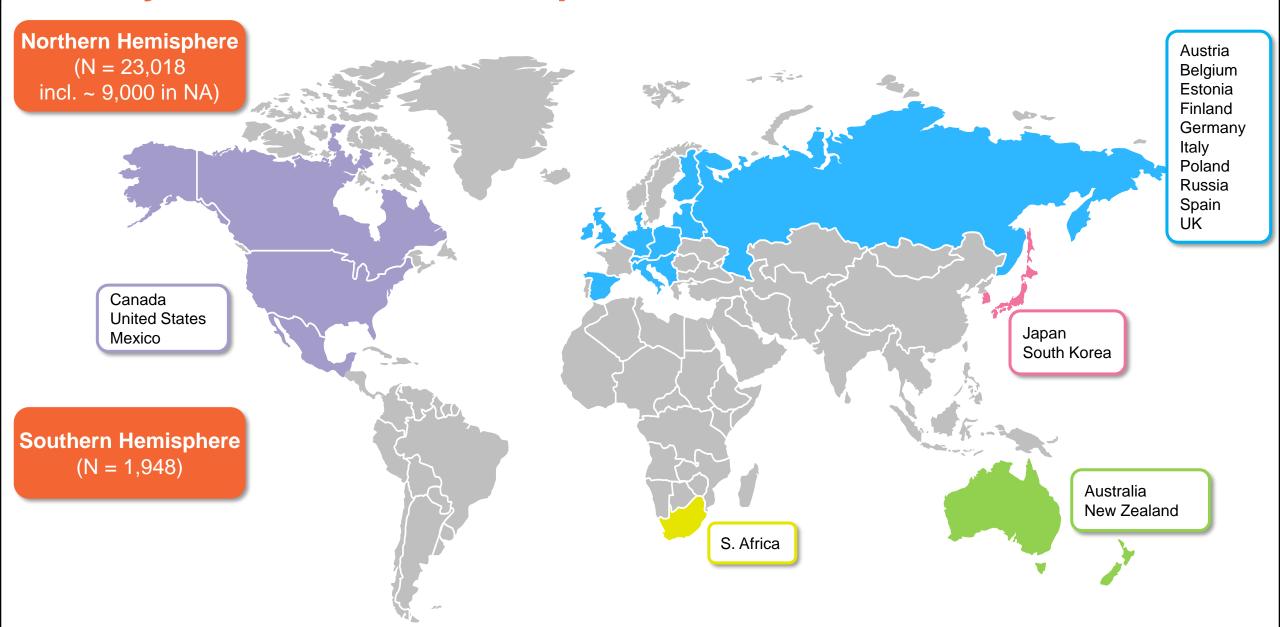
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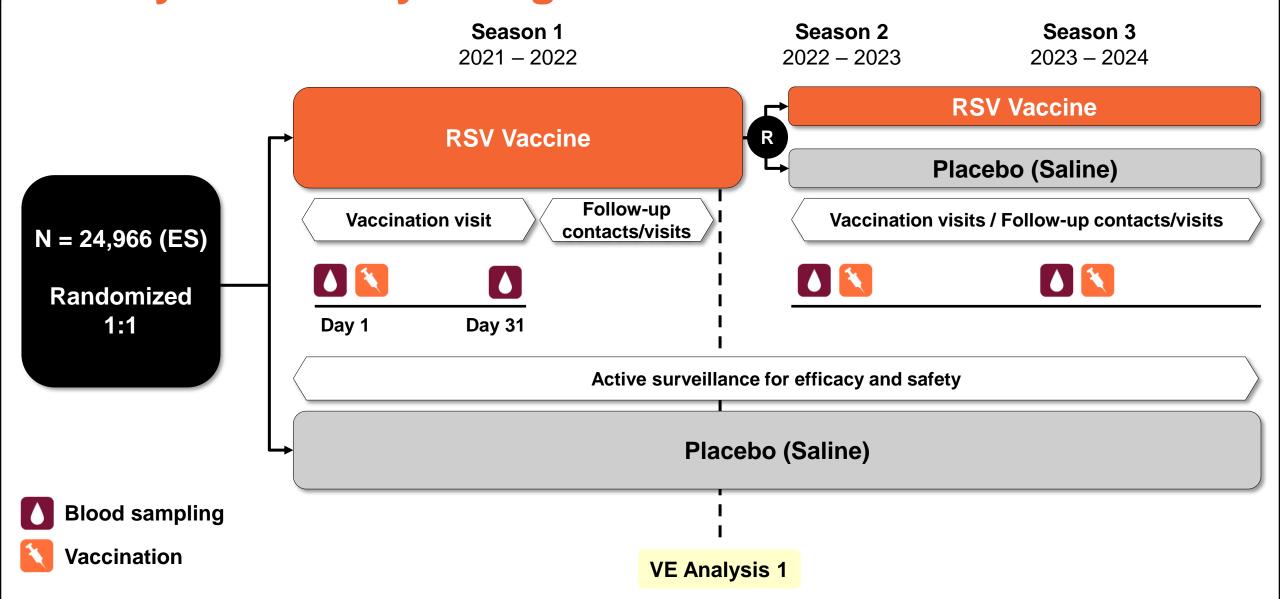
Study 009

Lot-to-lot consistency Total = 758 Exposed = 757

Study 006: ~ 25,000 Participants Randomized in 17 Countries



Study 006: Study Design



ES = Exposed Set; Reactogenicity and humoral immunity assessed in subset of participants; R = randomized

Study 006: Primary and Secondary Objectives

Primary Objective

Demonstrate efficacy of RSV vaccine in preventing RT-PCR-confirmed RSV LRTD in adults ≥ 60 YOA during first season

Main Secondary Objectives

- Efficacy against RT-PCR-confirmed RSV LRTD by:
 - RSV subtype (RSV-A and RSV-B)
 - Age category
 - Baseline comorbidities of interest and frailty status
- Efficacy against RT-PCR-confirmed severe RSV LRTD
- Efficacy against RT-PCR-confirmed RSV ARI
- Impact of RSV vaccine on Patient-Reported Outcomes
- Immunogenicity/reactogenicity and safety

Study 006: Case Definitions

ARI

≥ 2 respiratory symptoms or signs OR

≥ 1 respiratory and 1 systemic symptom or sign

Systemic symptoms or signs

- Fever/feverishness
- Fatigue
- Body aches
- Headache
- Decreased appetite

Respiratory symptoms or signs

Upper respiratory symptoms or signs

- Nasal congestion
- Sore throat

Lower respiratory symptoms

- Sputum
- Cough
- Dyspnea

Lower respiratory signs

- Wheezing
- Crackles/rhonchi
- Tachypnea
- Hypoxemia
- O2 supplement

LRTD

≥ 2 lower respiratory symptoms or signs (≥ 1 sign)

ÖR

≥ 3 lower respiratory symptoms

Lower respiratory symptoms

- Sputum
- Cough
- Dyspnea

Lower respiratory signs

- Wheezing
- Crackles/rhonchi
- Tachypnea
- Hypoxemia
- O2 supplement

Severe LRTD

<u>Definition 1</u>: ≥ 2 lower respiratory **signs** or assessed 'severe' by PI <u>OR</u>

<u>Definition 2</u>: Need of additional supportive therapy*

Lower respiratory signs

- Wheezing
- Crackles/rhonchi
- Tachypnea
- Hypoxemia
- O2 supplement

*O2 supplementation, positive airway pressure therapy or other types of mechanical ventilation

Study 006: Efficacy and Immunogenicity Analyses Sets

Exposed Set (ES)

All participants who received study intervention

N = 24,966

Modified Exposed Set (mES)

Primary population for efficacy analyses

All participants who did not report RSV-confirmed ARI before Day 15 post vaccination

N = 24,960

Per-Protocol Set for Immunogenicity (PPSi)

All participants with post-vaccination immunogenicity data and did not have protocol deviations leading to elimination

N = 1,702

Study 006: Demographic Characteristics Balanced Between Groups (ES)

Characteristic	RSV Vaccine (N = 12,467)	Placebo (N = 12,499)	United States (ES (N = 6,949)
Mean age, years	69.5	69.6	Proportion of
Age category			Exposed Set = 28
60–69	6963 (56%)	6980 (56%)	4290 (62%)
70–79	4487 (36%)	4491 (36%)	2275 (33%)
≥ 80	1017 (8%)	1028 (8%)	384 (6%)
Female	6488 (52%)	6427 (51%)	3562 (51%)
Race			
White	9887 (79%)	9932 (80%)	5728 (82%)
Black or African American	1064 (9%)	1101 (9%)	1025 (15%)
Asian	953 (8%)	956 (8%)	74 (1%)
Other*	563 (5%)	510 (4%)	65 (1%)

^{*}Includes Native American, Alaska Native, Native Hawaiian, and other Pacific Islanders

Baseline Characteristics Balanced Between Study Groups (ES)

Characteristic	RSV Vaccine (N = 12,467)	Placebo (N = 12,499)	United S (N =
Frailty status			
Frail	2%	1%	
Pre-frail	38%	38%	
Fit	60%	60%	5
Pre-existing comorbidities			
≥ 1 Pre-existing comorbidity	96%	95%	9
≥ 1 Pre-existing comorbidity of interest	40%	39%	
≥ 1 Cardiorespiratory condition	20%	19%	2
≥ 1 Endocrinometabolic condition	26%	26%	2

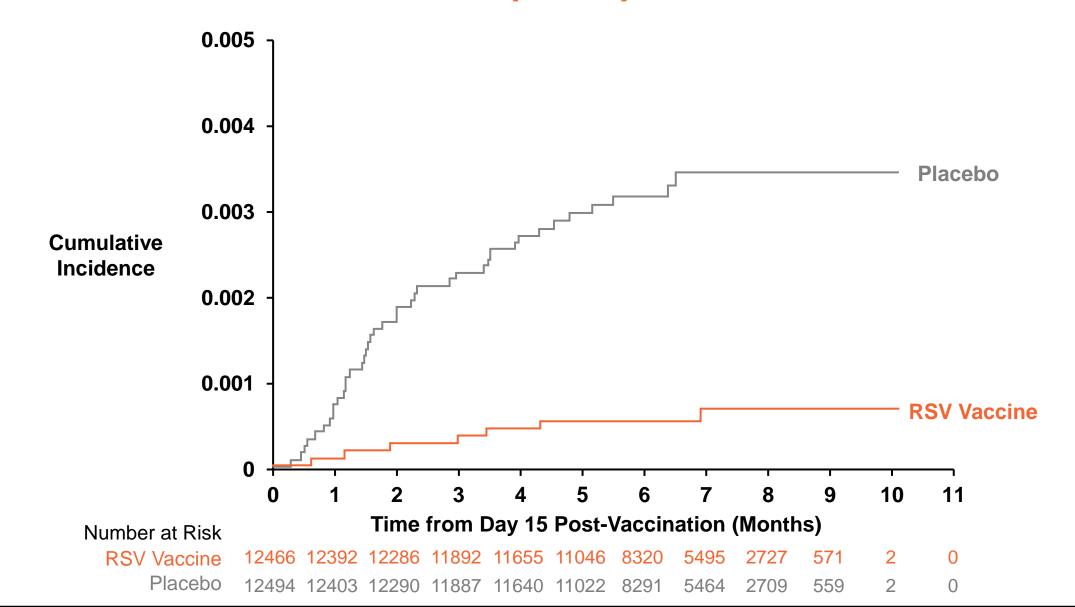
United States (ES) (N = 6,949)
2%
42%
56%
98%
40%
20%
26%

Study 006: Primary Objective Met High Efficacy Against RSV-Confirmed LRTD (mES)

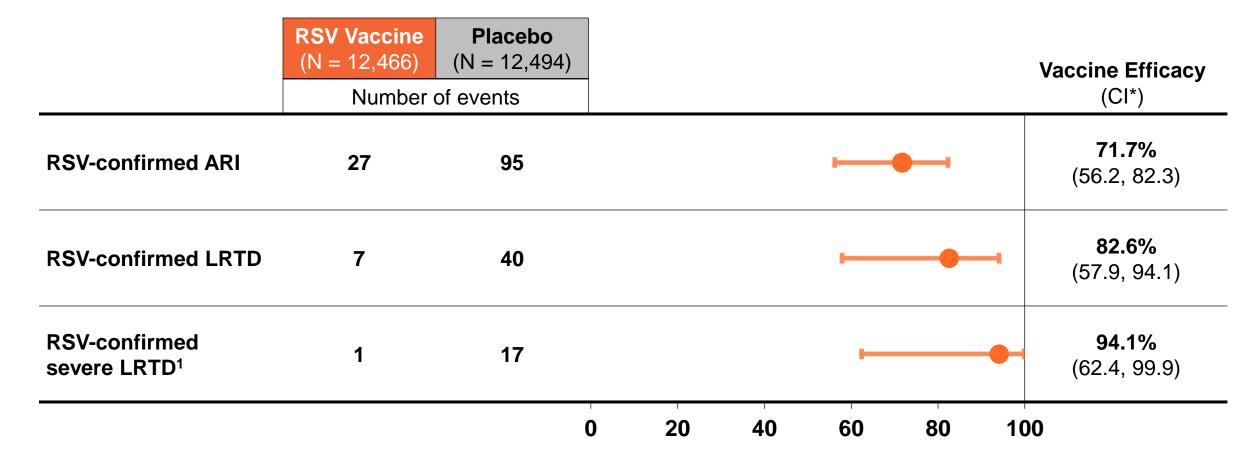
RSV Vaccine (N = 12,466)		Placebo (N = 12,494)		
n	Incidence Rate (/1000 PY)	n	Incidence Rate (/1000 PY)	VE (96.95% CI)
7	1.0	40	5.8	82.6% (58, 94)

Lower limit of 96.95% CI pre-defined threshold for licensure > 20%

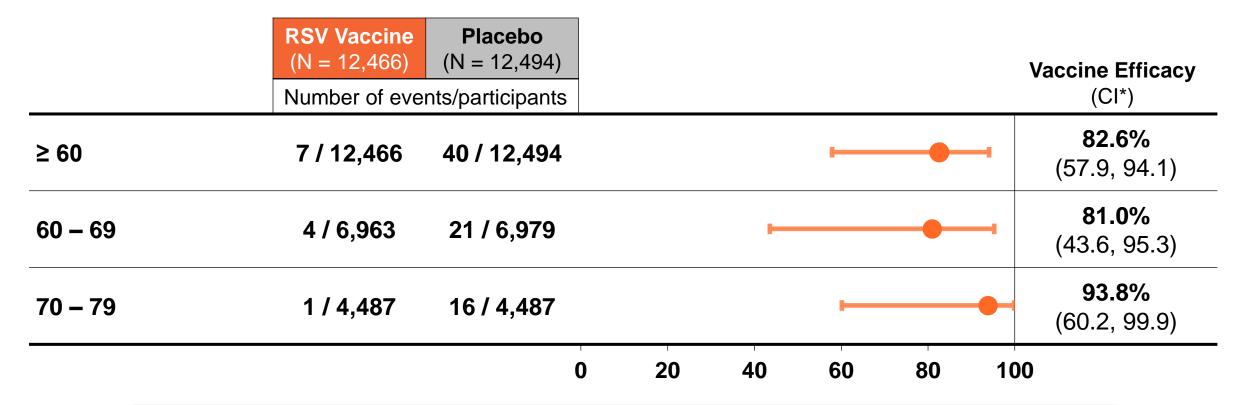
Study 006: Cumulative Incidence Curves for RSV-Confirmed LRTD (mES)



Study 006: Consistent Efficacy Against RSV Disease (mES)



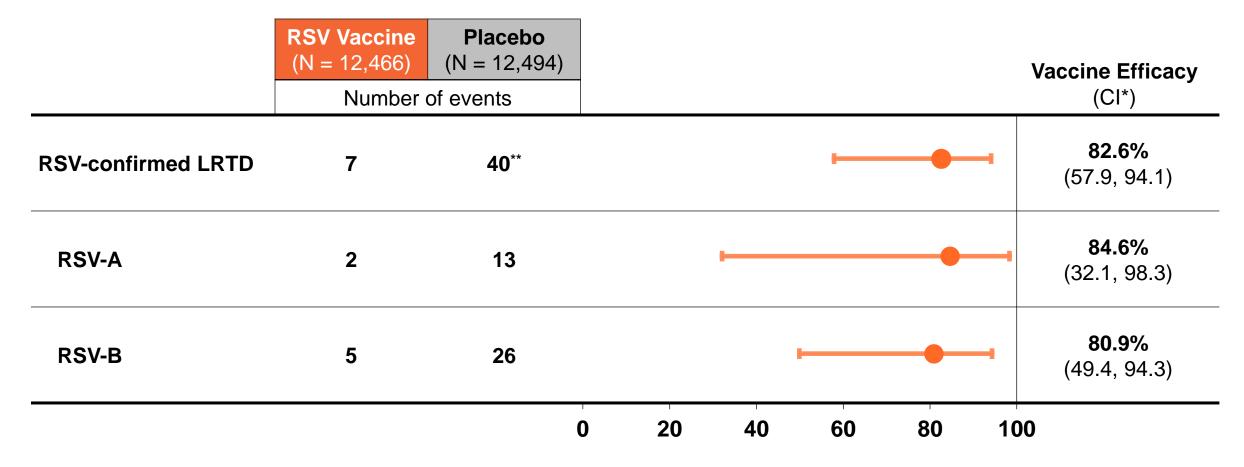
Study 006: Consistent Efficacy Against RSV-Confirmed LRTD by Age Stratum (mES)



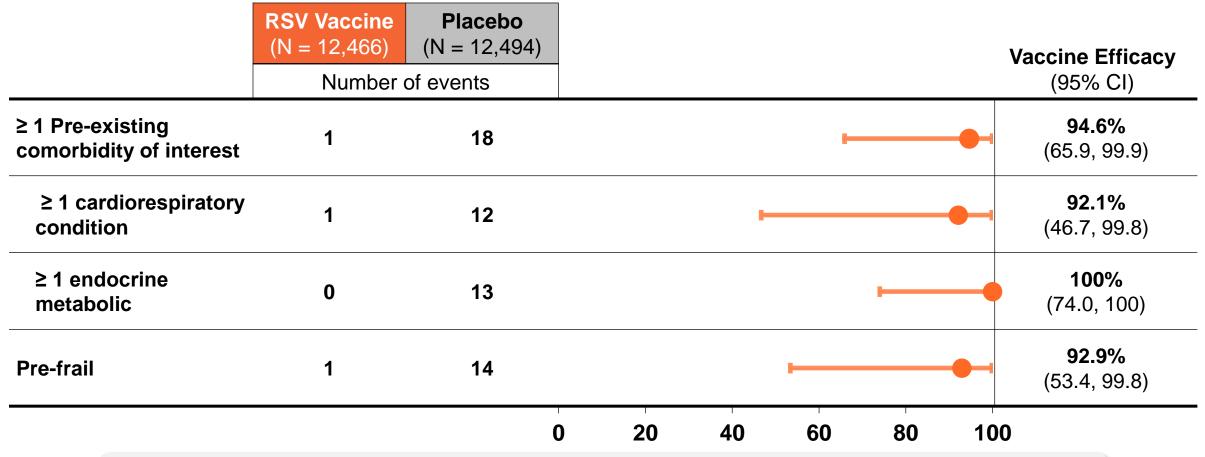
≥ 80 YOA

- Events: RSV Vaccine = 2 / 1,016, Placebo = 3 / 1,028
- Due to too few cases observed in adults ≥ 80 years of age, cannot conclude VE

Study 006: Consistent Efficacy Against RSV-Confirmed LRTD for Each RSV Subtype (mES)



Study 006: High Efficacy Against RSV-Confirmed LRTD in Vulnerable Populations (mES)



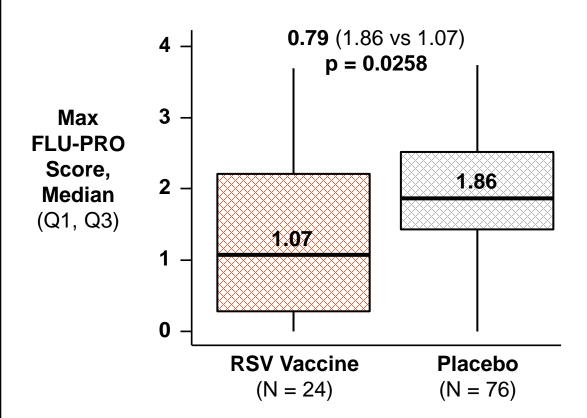
Frail

- Events: RSV Vaccine = 1/189, Placebo = 1/177
- Due to too few cases observed in frail participants, cannot conclude VE

Study 006: FLU-PRO Maximum Chest/Respiratory Score*

Participants in RSVPreF3 group with breakthrough cases had less severe chest / respiratory symptoms vs participants in placebo group

FLU-PRO Chest/Respiratory Score During First 7 Days of RSV Confirmed ARI Episode



- Difference between groups > 3x higher than
 Minimal Clinically Significant Change = 0.26^{1**}
- Results represent overall reduction = 42%
 (0.79/1.86) in severity of cough, trouble
 breathing, chest tightness symptoms vs placebo

*82% of participants completed at least 1 FLU-PRO questionnaire during first 7 days of RSV ARI episode; ** AReSVi-006: Improvement in symptom's severity, change of one point in PGI-S score associated with -0.26 mean change in both FLU-PRO total and chest score; 1. Yu J et al., 2019

Study 006 and 004: Immunogenicity Studies

Phase 1/2

(Adults 18-40 YOA and older adults 60-80 YOA)

Study 002

Dose and formulation selection Total = 1,067 Exposed = 100

Phase 3

(Older adults \geq 60 YOA)

Study 006

Pivotal efficacy, immunogenicity, and safety Total = 25,040 Exposed = 12,467

Study 004

Immunogenicity and safety
Total = 1,660
Exposed = 1,653

Study 007

Co-administration with FLU-QIV

Total = 890

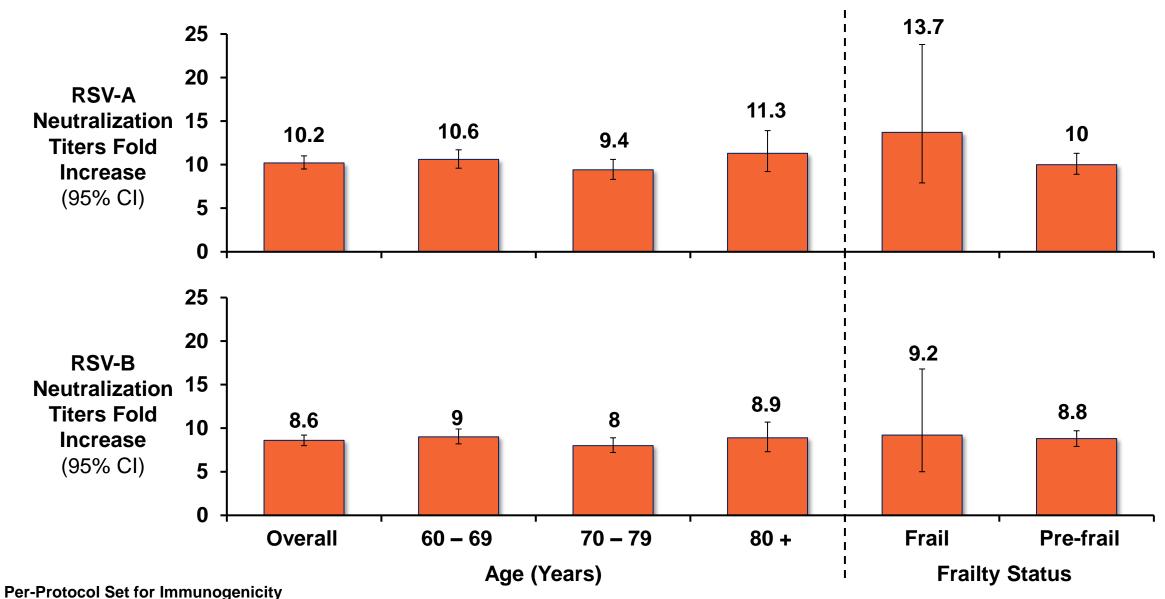
Exposed = 868

Study 009

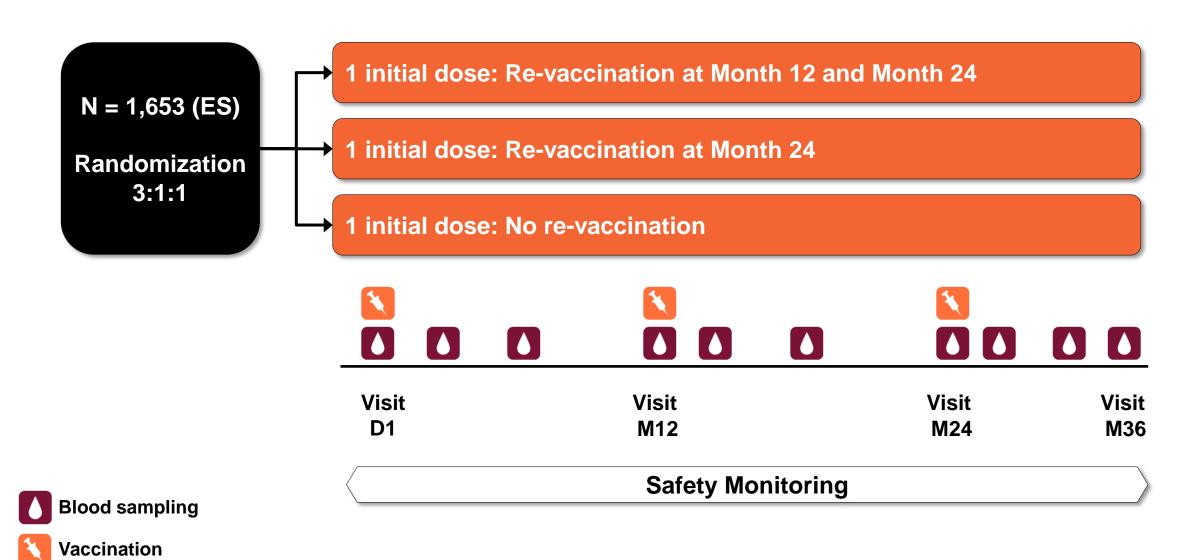
Lot-to-lot consistency Total = 758 Exposed = 757

CO-39

Study 006: Robust Immune Response for RSV Subtypes Across All Age Groups and Frailty Status (Day 31)

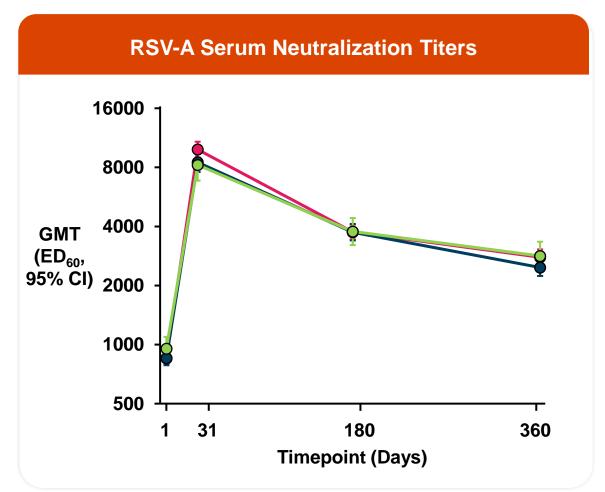


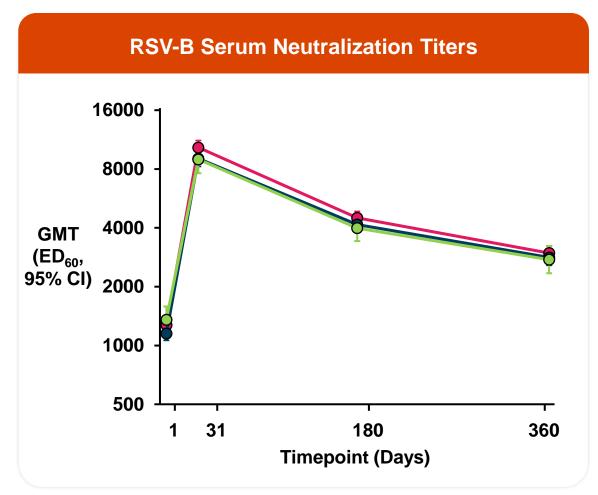
Study 004: Study Design

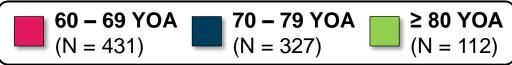


Immunogenicity assessed in subset of participants

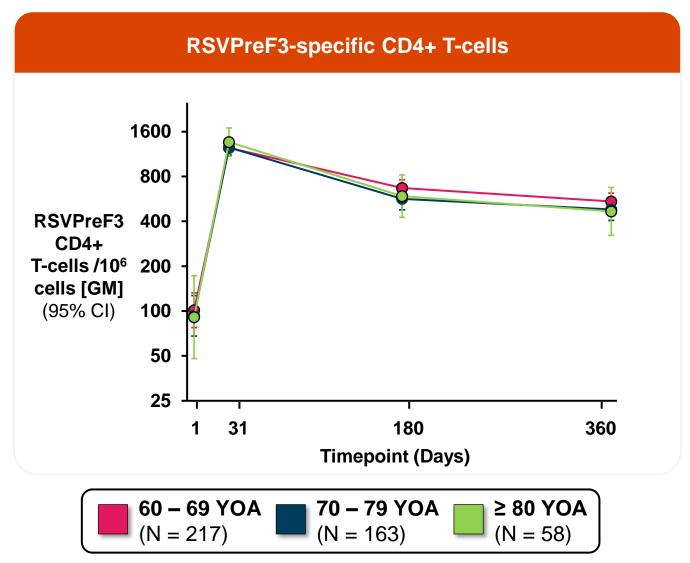
Study 004: Durable RSV-A and RSV-B Serum Neutralization Titers Across All Age Groups 12 Months Post Vaccination







Study 004: Durable CD4+ T-Cell Responses Across All Age Groups 12 Months Post Vaccination



Study 007: Co-Administration of RSV Vaccine with Licensed Influenza Vaccine

Phase 1/2

(Adults 18-40 YOA and older adults 60-80 YOA)

Study 002

Dose and formulation selection Total = 1,067 Exposed = 100

Phase 3

(Older adults ≥ 60 YOA)

Study 006

Pivotal efficacy, immunogenicity, and safety Total = 25,040 Exposed = 12,467

Study 004

Immunogenicity and safety
Total = 1,660
Exposed = 1,653

Study 007

Co-administration with FLU-QIV

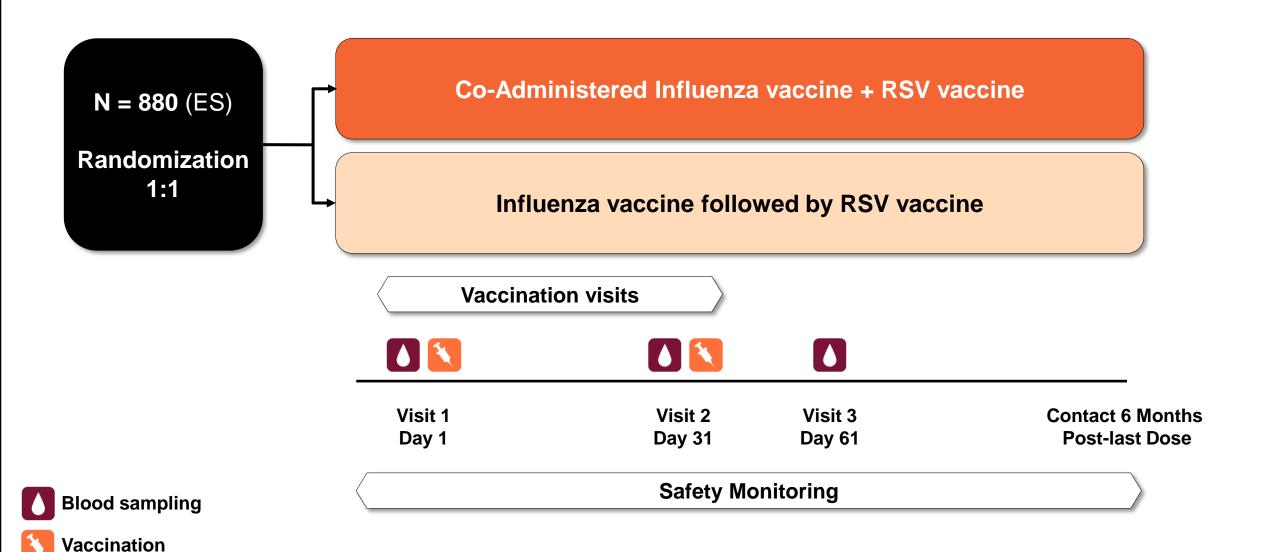
Total = 890

Exposed = 868

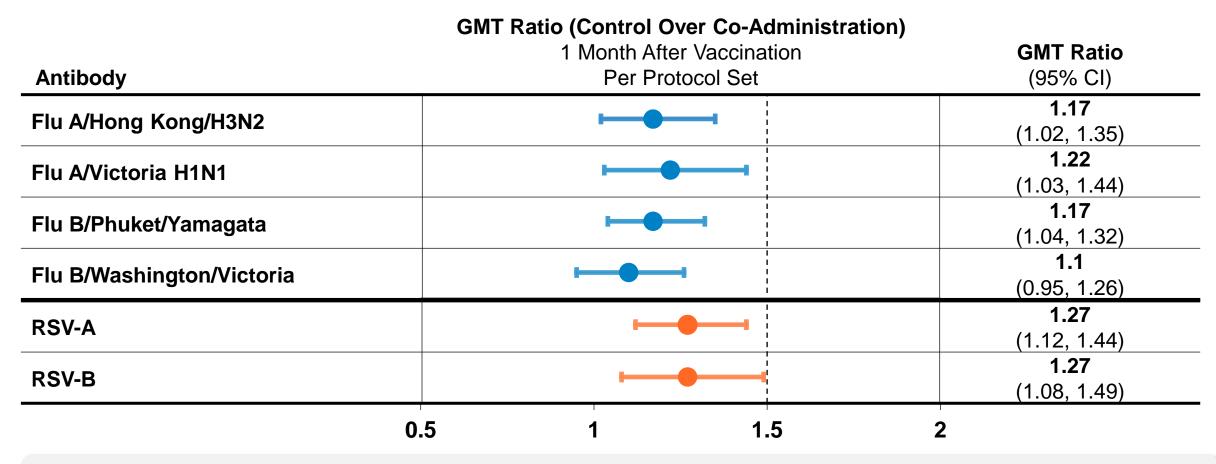
Study 009

Lot-to-lot consistency Total = 758 Exposed = 757

Study 007: Study Design



Study 007: Co-Administration of RSV Vaccine and Licensed Flu-QIV Met Non-Inferiority Criterion



Success Criteria: Upper limit ≤ 1.5 of 2-sided 95% CI for Group GMT Ratio (RSV-A Neutralizing antibody titers and HI antibody titers in Control Group divided by Co-Ad Group) for RSV vaccine and for each of FLU vaccine strains

Efficacy and Immunogenicity Summary

- 82.6% VE in preventing RSV-confirmed LRTD in adults ≥ 60 YOA
- Protection sustained across full spectrum of symptomatic RSV disease
- Consistent VE against RSV-A and RSV-B and across age groups
- High VE in those at risk of developing severe RSV disease
 - 94.6% pre-existing co-morbidities
 - 92.9% pre-frail

- Robust humoral RSV-A and RSV-B and cell-mediated immune responses
- Immune responses comparable across age groups and shown to persist for
 ≥ 12 months after vaccination
- RSV vaccine can be co-administered with seasonal influenza vaccine



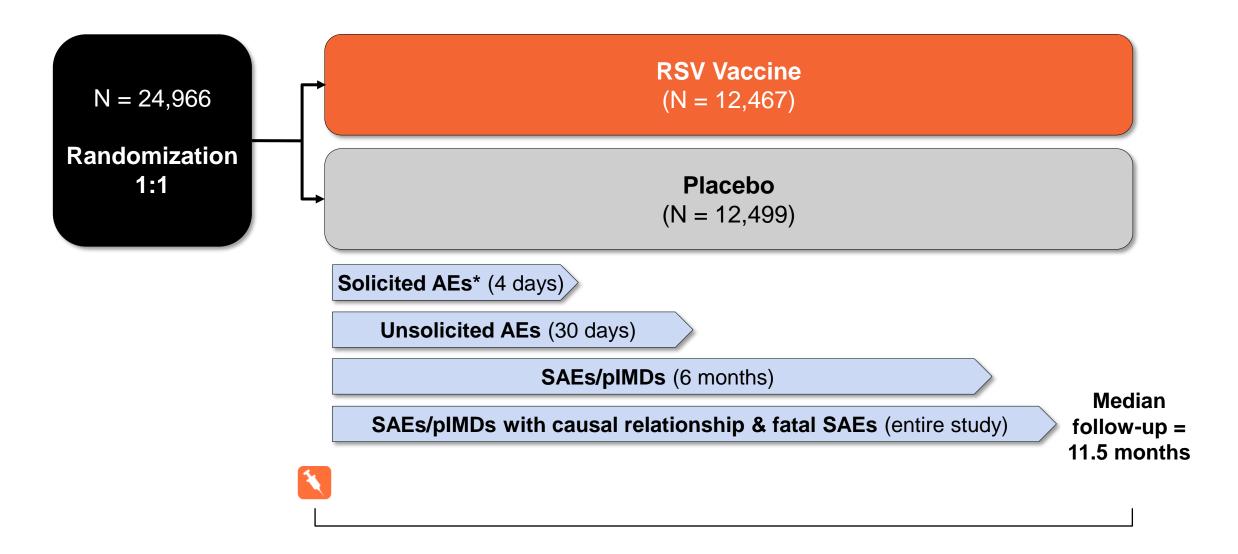
SafetyPeggy Webster, MD, MBA

Vice President & Head of Vaccine Safety GSK

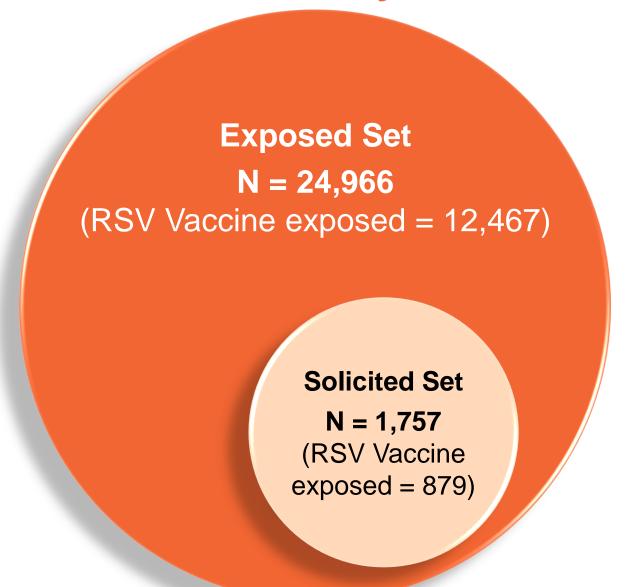
Safety Database Includes > 15,800 Participants

	RSV Vaccine Participants Exposed Set		
Phase 1/2 (60 – 80 years)			
Study 002	100		
Phase 3 (≥ 60 years)			
Study 006	12,467		
Study 004	1,653		
Study 007	868		
Study 009	757		
Phase 1/2 and Phase 3	15,845		

Study 006: Safety Follow-Up



Study 006: RSV Vaccine Safety Evaluated in 2 Groups



Reactogenicity Profile Primarily Derived from Solicited Set

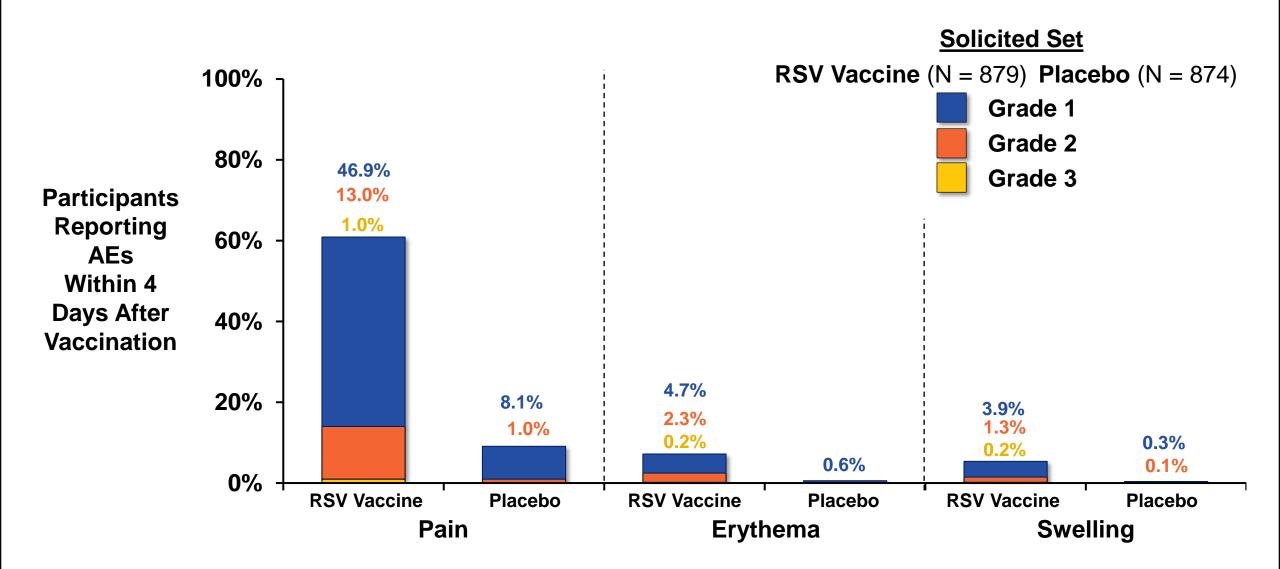
Exposed Set N = 24,966(RSV Vaccine exposed = 12,467)

Solicited Set
N = 1,757
(RSV Vaccine
exposed = 879)

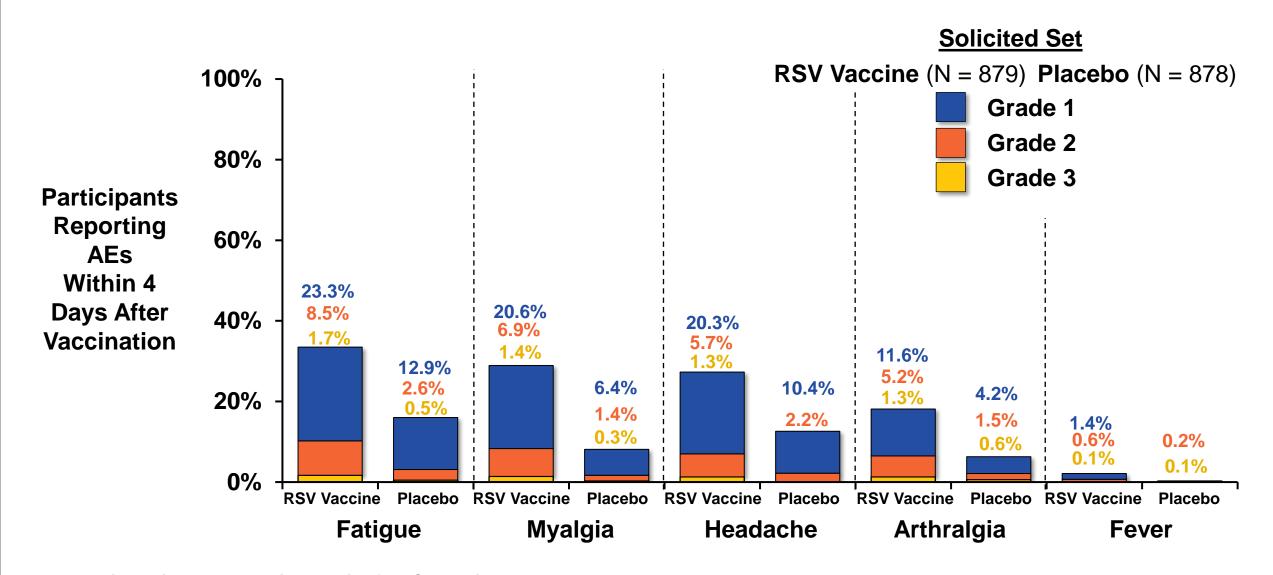
Study 006: Summary of Adverse Events in Solicited Set

	RSV Vaccine N = 879	Placebo N = 878
Any solicited AE (within 4 days)	72 %	28%
Administration site AEs	62%	10%
Systemic AEs	49%	23%
Grade 3 AEs	4%	0.9%

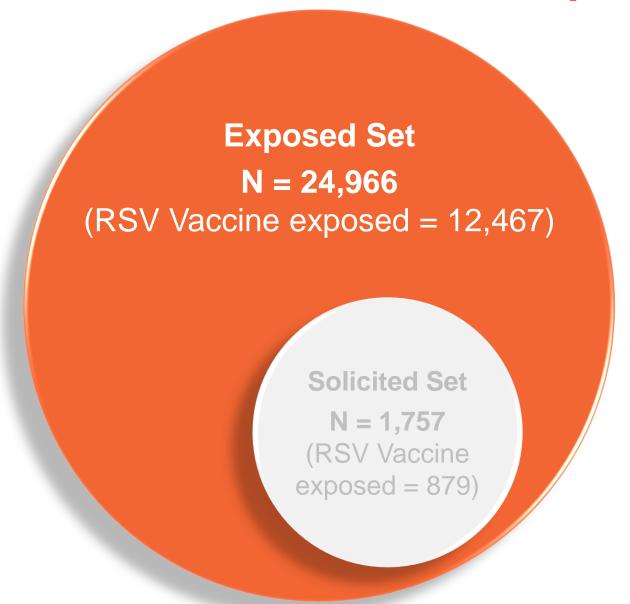
Study 006: Solicited Administration Site Events Mostly Mild to Moderate and Resolved Quickly



Study 006: Solicited Systemic Events Mostly Mild to Moderate and Resolved Quickly



Study 006: Unsolicited Events from Exposed Set



Study 006: Summary of Unsolicited Adverse Events

	Exposed Set	
Within 30 days of vaccination	RSV Vaccine N = 12,467	Placebo N = 12,499
Any unsolicited AE*	33%	18%
Any medically attended AE	6%	6%
Up to 6 months post-vaccination		
Potential immune-mediated diseases (pIMDs)	0.3%	0.3%
Serious AE (SAE)	4%	4%
Until Data Lock Point		
Fatal SAE	0.7%	0.8%

Study 006: Difference in Unsolicited AEs Due to General Disorders and Administration Site Conditions

	Expose	ed Set			
SOC occurring in ≥ 1% in RSV group	RSV Vaccine Placebo N = 12,467 N = 12,499		Relative Risk (95% CI)	RR (95% CI)	
Any Unsolicited AE (within 30 days)	33%	18%		1.85 (1.76, 1.95	
General disorders and admin. site conditions	24%	5%		5.13 (4.69, 5.62	
Nervous system disorders	6%	4%	IOI	1.66 (1.48, 1.86	
Respiratory, thoracic and mediastinal disorders	4%	4%		1.15 (1.01, 1.31	
Musculoskeletal and connective tissue disorders	4%	3%	IOI	1.69 (1.47, 1.94	
Infections and Infestations	4%	4%		0.96 (0.84, 1.09	
Gastrointestinal disorders	3%	2%		1.26 (1.06, 1.49	
Injury, poisoning and procedural complications	1%	1%		1.03 (0.80, 1.31	
Skin and subcutaneous tissue disorders	1%	0.7%	H——	1.45 (1.10, 1.93	

Study 006: SAEs Balanced Between Groups

	Expose	Exposed Set		
SOC occurring in ≥ 0.5% of participants	RSV Vaccine N = 12,467	Placebo N = 12,499	Relative Ris (80% CI)	k RR (80% CI)
Any SAE (within 6 months)	4%	4%	-	1.01 (0.93, 1.09)
Infections and infestations	0.9%	0.9%		0.95 (0.80, 1.14)
Cardiac disorders	0.8%	0.7%		1.02 (0.84, 1.25)
Neoplasms benign, malignant, and unspecified	0.6%	0.5%		1.06 (0.84, 1.35)
Nervous system disorders	0.5%	0.5%		0.94 (0.74, 1.20)
Injury, poisoning, and procedural complications	0.5%	0.5%		0.99 (0.77, 1.27)
		(1	2

Study 006: Incidence of Fatal SAEs Balanced

	Exposed Set	
SOC occurring in ≥ 0.1% of participants	RSV Vaccine N = 12,467	Placebo N = 12,499
Any fatal SAE (up to Data Lock Point)	88 (0.7%)	95 (0.8%)
Cardiac disorders	23 (0.2%)	26 (0.2%)
Infections and infestations	20 (0.2%)	12 (0.1%)
General disorders and administration site conditions	14 (0.1%)	24 (0.2%)
Nervous system disorders	10 (0.1%)	11 (0.1%)
Respiratory, thoracic, and mediastinal disorders	7 (0.1%)	8 (0.1%)
Neoplasms benign, malignant, and unspecified (incl. cysts & polyps)	7 (0.1%)	6 (<0.1%)

Study 007: Safety of RSV Vaccine When Co-Administered with Seasonal Influenza Vaccine

	RSV Vaccine + FLU-QIV N = 442	Control* N = 443
Within 4 days of vaccination		
Any Solicited Administration Site AE	53.4%	39.9%
Any Solicited Systemic AE	40.2%	34.1%
Within 30 days of vaccination		
Any Unsolicited AE	18.8%	23.7%
Any Medically Attended AE	7.9%	11.1%
During entire study period		
pIMDs	1.1%	0.2%
SAE	3.4%	4.5%
Death	0.9%	1.8%

Safety Events of Special Interest

Study 006: Hypersensitivity Reactions Occurring in ≥ 0.1% Participants

	Exposed Set	
Preferred Term	RSV Vaccine N = 12,467	Placebo N = 12,499
Rash	31 (0.2%)	10 (0.1%)
Injection site rash	11 (0.1%)	5 (< 0.1%)

- SMQs for "hypersensitivity" and "anaphylactic reaction"
 - No case of anaphylaxis related to vaccine

Study 006: Atrial Fibrillation Events Within 30 Days Post-Vaccination

Preferred Term	RSV Vaccine N = 12,467	Placebo N = 12,499
Atrial fibrillation	10 (0.1%)	4 (< 0.1%)
New onset	4	2
Recurrence	6	2
Outcome		
Recovered	8	3
Not recovered	2	1
Time to Onset, median (min, max)	18.5 (1 – 30)	10.5 (1 – 24)

- All participants with new onset have risk factors for development of atrial fibrillation
- IDMC reviewed all events
- Similar incidence in both groups at 6 months post-vaccination (14 RSV Vaccine vs 16 Placebo)

Study 006: Potential Immune-Mediated Diseases (pIMDs) Occurred in < 0.5% of Participants

	Exposed Set	
SOC occurring in ≥ 4 participants	RSV Vaccine N = 12,467	Placebo N = 12,499
Any pIMD (within 6 months)	41 (0.3%)	34 (0.3%)
Metabolism and nutrition disorders	12 (0.1%)	11 (0.1%)
Musculoskeletal and connective tissue disorders	12 (0.1%)	7 (0.1%)
Skin and subcutaneous tissue disorders	4 (< 0.1%)	4 (< 0.1%)
Nervous system disorders	4 (< 0.1%)	2 (< 0.1%)
Gastrointestinal disorders	4 (< 0.1%)	1 (< 0.1%)

Studies 004 and 007: pIMDs of Medical Interest

Event	Age/ Sex	Country	Time to Onset (Days)	Comment
Guillain Barre Syndrome	78/F	JP	9	Elevated CSF protein, serum GM1-IgG positive; BC Level 3
ADEM	71/M	ZA	7	2 prior strokes with Wallerian demyelination; fatal outcome; BC Level 3
ADEM	71/F	ZA	22	Recovered; no investigations performed; BC Level 3

Post-Marketing Pharmacovigilance

Proposed Post-Marketing Pharmacovigilance Plan



Enhanced Surveillance: Atrial Fibrillation and pIMDs

- Atrial fibrillation
 - Active surveillance in ongoing and soon-to-start clinical studies
- pIMDs, including GBS and ADEM
 - Continued monitoring and close follow-up in all clinical trials
 - Post-marketing setting
 - Monitoring via Follow-up Questionnaires
 - Custom MedDRA query for pIMD signal detection

Safety Summary

- Exposure in > 15,000 participants in RSV vaccine group
- Clinically acceptable safety profile in adults ≥ 60 YOA
- Well-characterized reactogenicity profile
 - Majority mild to moderate in severity
 - Short duration
- Medically attended AEs, SAEs, pIMDs, and deaths balanced between groups with no clustering of events
- Enhanced pharmacovigilance activities

Benefit / Risk Conclusion

Favorable Benefit / Risk Profile for RSV Candidate Vaccine in OAs

Unmet Need

- OAs at increased risk of morbidity and mortality from RSV infection
- No vaccines or treatments available for vulnerable population

Efficacy

 High and consistent efficacy across spectrum of RSV symptomatic disease regardless of subtype

82.6% 71.7%

94.1% 93.8% RSV-LRTD ARI Severe RSV-LRTD RSV-LRTD (≥ 60 YOA) (≥ 60 YOA) (≥ 60 YOA) (70-79 YOA)

94.6% RSV-LRTD (≥ 1 comorbidity of interest)

Safety

- RSV vaccine is well tolerated with acceptable safety profile
- RSV vaccine benefits outweigh risks

RSVPreF3 Vaccine for Respiratory Syncytial Virus (RSV) in Older Adults

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Vaccines and Related Biological Products Advisory Committee GSK plc.