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FOOD AND DRUG ADMINISTRATION
CENTER FOR DRUG EVALUATION AND RESEARCH

JOINT MEETING OF THE DRUG SAFETY AND
RISK MANAGEMENT (DSaRM) AND THE DERMATOLOGIC AND
OPHTHALMIC DRUGS (DODAC) ADVISORY COMMITTEES

Virtual Meeting

Wednesday, March 29, 2023

10:00 a.m. to 3:28 p.m.

Meeting Roster**DESIGNATED FEDERAL OFFICER (Non-Voting)****Philip Bautista, PharmD, MPH**

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C O N T E N T S

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P R O C E E D I N G S

(10:00 a.m.)

Call to Order

DR. LO RE: Good morning, everyone, and welcome. I'd like to first remind everyone to please mute your line when you're not speaking. For media and press, the FDA press contact is Ms. Chanapa Tantibanchachai. Her contact information is displayed here on this slide.

My name is Dr. Vin Lo Re, and once again, I will be serving as the chair for this meeting today. I will now call day number 2 of the March 28-29, 2023 joint meeting of the Drug Safety and Risk Management Advisory Committee and the Dermatological Ophthalmic Drugs Advisory Committee to order. Dr. Phil Bautista is the designated federal officer for this meeting, and we will begin, once again, with introductions.

Introduction of Committee

DR. BAUTISTA: Hi. Good morning, everybody. My name is Phil Bautista. I'm the DFO for this meeting. When I call your name, please introduce

1 yourself by stating your name and affiliation.
2 We'll first start with the standing members of the
3 DSaRM.

4 Dr. Calis?

5 DR. CALIS: Good morning. I'm Karim Calis.
6 I am a senior scientist and director of clinical
7 research for the National Institute of Child health
8 and Human Development at the NIH, and also I'm the
9 chair of the NIH Institutional Review Board in the
10 Office of Intramural Research at NIH.

11 DR. BAUTISTA: Dr. Dublin?

12 DR. DUBLIN: Good morning. I'm Sascha
13 Dublin. I'm a general internal medicine physician
14 and a pharmacoepidemiologist. My position is as a
15 senior scientist at Kaiser Permanente, Washington
16 in Seattle, and I have an affiliation at University
17 of Washington, and I see patients at primary care
18 and conduct research on federally-funded projects,
19 with a particular focus on medication safety and
20 pregnancy.

21 DR. BAUTISTA: Dr. Hertig?

22 DR. HERTIG: Good morning. John Hertig,

1 pharmacist by training, associate professor and
2 chair of the Department of Pharmacy Practice at
3 Butler University College of Pharmacy and Health
4 Sciences, located in Indianapolis, Indiana.

5 DR. BAUTISTA: Dr. Hovinga?

6 DR. HOVINGA: Hello. I'm Collin Hovinga.
7 I'm vice president for Rare and Orphan Diseases at
8 Critical Path Institute. I am also faculty at the
9 University of Texas at Austin College of Pharmacy.
10 I'm located in the Austin, Texas area. My
11 background and interest is in clinical
12 pharmacology, epidemiology, as well as pediatrics.
13 Thank you.

14 DR. BAUTISTA: Dr. Huybrechts?

15 DR. HUYBRECHTS: Good morning. I'm Krista
16 Huybrechts. I'm an epidemiologist by training. I
17 have a faculty appointment at Harvard Medical
18 School and co-direct the Harvard program on
19 perinatal and pediatric pharmacoepidemiology, and
20 my research focuses on drug safety during
21 pregnancy.

22 DR. BAUTISTA: Dr. Liu?

1 DR. LIU: Hi. This is Tao Liu, associate
2 professor of biostatistics at Brown University
3 School of Public Health. I'm a statistician by
4 training. My expertise is health data science,
5 causal inference, and data-driven decision making.
6 Thanks.

7 DR. BAUTISTA: Thank you.

8 Dr. McAdams DeMarco?

9 DR. McADAMS DeMARCO: Hi. I'm Dr. Mara
10 McAdams DeMarco. I'm an epidemiologist at NYU,
11 where I have an appointment in the Department of
12 Population Health, as well as in surgery, and I'm
13 the associate vice chair for research in the
14 Department of Surgery. Thank you.

15 DR. BAUTISTA: Suzanne Robotti?

16 MS. ROBOTTI: Hi. I'm Suzanne Robotti. I'm
17 the founder of MedShadow Foundation. I'm the
18 executive director of DES Action USA. I'm a DES
19 Daughter and a consumer representative in
20 pharmacovigilance. Thanks.

21 DR. BAUTISTA: Alright. Next, we have the
22 DODAC members. We'll first start with Dr. Katz.

1 DR. KATZ: Good morning. Ken Katz. I'm a
2 dermatologist at Kaiser Permanente in San
3 Francisco. Thank you.

4 DR. BAUTISTA: Dr. Green?

5 DR. GREEN: Good morning. Brian Green. I'm
6 a pediatric dermatologist at Penn State Hershey
7 Medical Center and medical director of our
8 teledermatology program.

9 DR. BAUTISTA: Dr. Tollefson?

10 DR. TOLLEFSON: Good morning. Megha
11 Tollefson. I'm a pediatric dermatologist at the
12 Mayo Clinic in Rochester Minnesota.

13 DR. BAUTISTA: Dr. Woodward?

14 DR. WOODWARD: Good morning. I'm Maria
15 Woodward. I'm an ophthalmologist and health
16 services research associate professor at University
17 of Michigan.

18 DR. BAUTISTA: Dr. Atillasoy?

19 DR. ATILLASOY: Good morning. I'm Ercem
20 Atillasoy. I'm the industry representative to
21 DODAC. I'm a dermatologist by training. I'm the
22 chief regulatory and safety officer at Jazz

1 Pharmaceuticals. I'm also a voluntary clinical
2 faculty member at the University of Pennsylvania.
3 I'm a long-term member of the American Academy of
4 Dermatology, and I'm delighted to be here. Thank
5 you.

6 DR. BAUTISTA: Next we'll be going to the
7 temporary voting members, starting first with
8 Dr. Berenson.

9 DR. BERENSON: Hello. Abbey Berenson. I'm
10 at the University of Texas Medical Branch, where I
11 am professor of OB-GYN and Pediatrics and direct
12 the Center for Interdisciplinary Research and
13 Women's Health. I was selected for this panel
14 because of my expertise in contraception. Thank
15 you.

16 DR. BAUTISTA: Thank you.

17 Dr. Chambers?

18 DR. CHAMBERS: Good morning. I'm David
19 Chambers. I'm deputy director for implementation
20 science within the Division of Cancer Control and
21 Population Sciences at the National Cancer
22 Institute. Thanks.

1 DR. BAUTISTA: Dr. Cowen?

2 DR. COWEN: Hi. Ed Cowen. I'm at the
3 National Institute of Arthritis and Musculoskeletal
4 and Skin Diseases, and I have faculty appointments
5 also at Georgetown University and the Uniformed
6 Services University of the Health Sciences.

7 DR. BAUTISTA: Dr. Delost?

8 DR. DELOST: Yes. Kort Delost, community
9 pharmacist, retired associate professor from the
10 University of Utah College of Pharmacy.

11 DR. BAUTISTA: Thank you.

12 Dr. Hernandez-Diaz?

13 DR. HERNANDEZ-DIAZ: Good morning. I'm
14 Sonia Hernandez-Diaz. I'm professor of
15 pharmacoepidemiology at the Harvard Chan School of
16 Public Health in Boston, and my research focuses on
17 the safety of medications during pregnancy, with a
18 particular interest in birth defects.

19 DR. BAUTISTA: Donna Ludwinski?

20 MS. LUDWINSKI: Good morning. Donna
21 Ludwinski. I'm a patient representative, and I
22 work for Solving Kids' Cancer in New York. I'm a

1 director of research advocacy programs there, and
2 my son was on isotretinoin for neuroblastoma in a
3 maintenance phase. He had a 6-month course.

4 DR. BAUTISTA: Thank you.

5 Dr. Rasmussen?

6 DR. RASMUSSEN: Sonja Rasmussen. I'm a
7 pediatrician and clinical geneticist, and I'm a
8 professor of genetic medicine at Johns Hopkins
9 University School of Medicine. Thanks.

10 DR. BAUTISTA: Dr. Salvas?

11 DR. SALVAS: Good morning, everyone. Brian
12 Salvas, CVS Health, pharmacist by training and
13 currently serving as executive director of retail
14 pharmacy for the pharmacy business for CVS.

15 DR. BAUTISTA: And Dr. Schreiber?

16 DR. SCHREIBER: Good morning. Courtney
17 Schreiber, professor of obstetrics and gynecology
18 at the Perelman School of Medicine, University of
19 Pennsylvania, chief of family planning here at
20 Penn, and a clinical and public health scientist in
21 reproductive health. Thank you.

22 DR. BAUTISTA: Thank you.

1 Finally, we go through the FDA participants,
2 first starting with Dr. Manzo.

3 DR. MANZO: Good morning. I'm Claudia
4 Manzo. I'm the director of the Office of
5 Medication Error Prevention and Risk Management
6 within the Office of Surveillance and Epidemiology
7 in CDER, FDA.

8 DR. BAUTISTA: Thank you.

9 Dr. LaCivita?

10 DR. LaCIVITA: Good morning. Cynthia
11 LaCivita, director of the Division of Risk
12 Management in the Office of Surveillance and
13 Epidemiology in CDER at FDA.

14 DR. BAUTISTA: Dr. Sheppard?

15 DR. SHEPPARD: Good morning. Jacqueline
16 Sheppard, team leader at the Division of Risk
17 Management.

18 DR. BAUTISTA: Dr. Sahin?

19 DR. SAHIN: Good morning, everybody. I'm
20 Leyla Sahin, and I'm the deputy director for safety
21 in the Division of Pediatrics and Maternal Health,
22 in the Office of New Drugs, in CDER at FDA. Thank

1 you.

2 DR. BAUTISTA: Dr. Oussova?

3 DR. OUSSOVA: Good morning. I'm Tatiana
4 Oussova. I'm the deputy division director for
5 safety for the Division of Dermatology and
6 Dentistry, Office of New Drugs, CDER, FDA. Thank
7 you.

8 DR. BAUTISTA: And finally, Dr. Kolejian.

9 DR. KOLEJIAN: Good morning. I'm SeVan
10 Kolejian, director of the Division of Medication
11 Assessment and Medication Error Surveillance within
12 the Office of Surveillance and Epidemiology at
13 CDER, FDA. Thank you.

14 DR. BAUTISTA: With this, I'll hand it back
15 over to Dr. Lo RE.

16 DR. LO RE: Thanks, Phil.

17 For topics such as those being discussed at
18 this meeting, there are often a variety of
19 opinions, some of which are quite strongly held.
20 Our goal with this meeting is to be fair and an
21 open forum for discussion of these issues and that
22 individuals can express their views without

1 interruption. Therefore, as a gentle reminder,
2 individuals will be allowed to speak into the
3 record only if recognized by the chair. We look
4 forward to a productive meeting.

5 In the spirit of the Federal Advisory
6 Committee Act and the Government in the Sunshine
7 Act, we ask that the advisory committee members
8 take care that their conversations about the topic
9 at hand take place in the open forum of the
10 meeting.

11 We are aware that members of the media are
12 anxious to speak with the FDA about these
13 proceedings; however, FDA will refrain from
14 discussing the details of this meeting with the
15 media until its conclusion. Also, the committee is
16 reminded to please refrain from discussing the
17 meeting topic during any breaks. Thank you.

18 We will now proceed with FDA opening remarks
19 from Dr. Cynthia LaCivita.

20 Dr. LaCivita?

21 **FDA Opening Remarks - Cynthia LaCivita**

22 DR. LaCIVITA: Cynthia LaCivita, FDA, and

1 thank you, Dr. Lo Re.

2 Good morning. I want to thank the committee
3 members for their questions and comments yesterday.
4 I'm going to try and summarize the modifications
5 that were proposed by the IPMG and the FDA during
6 yesterday's meeting. I'm going to start with the
7 IPMG's proposal.

8 In addition to the modifications approved by
9 the FDA on March 24th, which included the
10 reintroduction of the patient calendar function to
11 the patient profile screen for patients who can
12 become pregnant, and the ability for designees to
13 take on certain patient enrollment functions, the
14 IPMG proposed to extend the monthly confirmation of
15 counseling for patients who cannot become pregnant
16 to 120 days.

17 The IPMG stated that they would also like to
18 preserve the abstinence switch, which requires a
19 30-day wait for patients switching from abstinence
20 to birth control for patients who can become
21 pregnant; the 19-day wait for patients who can
22 become pregnant and missed their first prescription

1 window; and also maintain laboratory confirmed
2 pregnancy testing, although the IPMG later
3 mentioned that they could align with allowing
4 pregnancy testing in prescriber offices.

5 The FDA's proposal included revising or
6 laminating the documentation; a monthly counseling
7 for patients who cannot become pregnant; removing
8 the requirement to only use CLIA-certified
9 laboratory pregnancy tests; and permit pregnancy
10 tests to be performed in the prescriber's office.

11 The FDA did not recommend continuing
12 allowance of home pregnancy testing after the
13 expiration of the public health emergency, and we
14 recommended maintaining the current contraceptive
15 requirements, the 7-day prescription window, and
16 the 30-day dispensing limits for all patients. In
17 addition, we were seeking advice from the committee
18 on how to streamline the pregnancy registry and
19 encourage more participation to yield high-level
20 data.

21 In addition to the proposals from the FDA
22 and the IPMG, the members of the committee brought

1 up the following topics and recommendations. They
2 wanted us to consider different dispense limits
3 greater than 30 days for patients who cannot become
4 pregnant, taking into consideration Dr. Katz's
5 thoughts on patient care, that dermatologists would
6 want to see their patients monthly to monitor
7 treatment or adverse events; tailoring the REMS
8 requirements, depending on the patient's choice of
9 contraception, and also to consider if there are
10 additional ways to persuade patients to choose
11 contraceptive methods that are not user dependent.
12 This was caveated by patients may have different
13 circumstances that contribute to their
14 contraceptive choices or lifestyle choices, such as
15 abstinence.

16 They also suggested to expand the 7-day
17 pickup window for patients who can become pregnant
18 and are picking up their first prescription of
19 isotretinoin; seek information to determine if the
20 REMS contributes to healthcare disparities; and
21 also consider the use of home pregnancy testing
22 after the public health emergency ends with methods

1 to mitigate falsification.

2 They wanted us to leverage technology to
3 reduce burden and integrate REMS requirements into
4 existing systems when possible, and reconsider
5 requirements that may preclude telehealth visits,
6 such as the requirement for in-office pregnancy
7 testing, and enable system reminders to
8 stakeholders and patients when REMS requirements
9 have a time limitation.

10 Hopefully, I've captured the main topics.
11 I'm sure that I've missed a few, but I think these
12 are the main topics that were communicated during
13 yesterday's meeting. I also wanted to thank the
14 committee members for their suggestions on how to
15 improve the implementation of some of the REMS
16 requirements. These were all good thoughts.

17 I did have one point that I wanted to
18 clarify. We did receive several questions about
19 donating blood, and I just wanted to add that the
20 Red Cross does include isotretinoin as a drug on
21 the blood donation medical deferral list, and it
22 asks that the patient wait until the drug has

1 cleared from their system to donate blood.

2 So moving forward, the agency is seeking
3 advice of the committee on potential modifications
4 to the iPLEDGE REMS to minimize burden without
5 compromising safety. From a systems standpoint, we
6 want to avoid changes in the REMS that would
7 inadvertently shift burden from one stakeholder to
8 another, or create unintended consequences that
9 could result in a greater number of fetal
10 exposures.

11 Specifically, we are asking the committee's
12 advice on the 7-day lockout that occurs when the
13 first prescription window is missed for a patient
14 who can become pregnant, should this be retained or
15 modified; whether pregnancy tests should be done in
16 a medical setting; revising or eliminating the
17 documentation of counseling for patients who cannot
18 become pregnant so the documentation of counseling
19 occur every 30 days or can that time frame be
20 adjusted.

21 Regarding the pregnancy registry, we are
22 seeking advice on ways to streamline the pregnancy

1 registry to encourage more participation and yield
2 high-quality data, and whether the collection of
3 the pregnancy and fetal outcome data continues to
4 be necessary, as well as other recommendations to
5 reduce the burden in the iPLEDGE REMS.

6 I want to thank the committee members for
7 their time yesterday and today, and the agency is
8 looking forward to today's discussion, so thank you
9 very much.

10 **Open Public Hearing**

11 DR. LO RE: Thank you, Dr. LaCivita.

12 We will now begin the open public hearing
13 session.

14 Both the FDA and the public believe in a
15 transparent process for information gathering and
16 decision making. To ensure such transparency at
17 the open public hearing session of the advisory
18 committee meeting, the FDA believes that it is
19 important to understand the context of an
20 individual's presentation.

21 For this reason, FDA encourages you, the
22 open public hearing speaker, at the beginning of

1 your written or oral statement to please advise the
2 committee of any financial relationships that you
3 may have with the applicant, its product, and if
4 known, its direct competitors. For example, this
5 financial information may include the applicant's
6 payment of your travel, your lodging, or other
7 expenses in connection with your participation in
8 the meeting.

9 Likewise, FDA encourages you, at the
10 beginning of your statement, to advise the
11 committee if you do not have any such financial
12 relationships. If you choose not to address this
13 issue of financial relationships at the beginning
14 of your statement, it will not preclude you from
15 speaking.

16 The FDA and this committee place great
17 importance in the open public hearing process. The
18 insights and the comments provided can help the
19 agency and this committee in their consideration of
20 the issues and questions before them.

21 That said, in many instances and for many
22 topics, there will be a variety of opinions. One

1 of our goals for today is for this open public
2 hearing to be conducted in a fair and open way,
3 where every participant is listened to carefully
4 and treated with dignity, courtesy, and respect.
5 Therefore, please speak only when recognized by the
6 chairperson, and thank you for your cooperation.

7 Okay. Speaker number 1, can you please
8 unmute and turn on your webcam? Will speaker
9 number 1 begin and introduce yourselves? Please
10 state your names and any organizations you are
11 representing for the record. You have 10 minutes

12 DR. GRABER: Good morning. I am Dr. Emmy
13 Graber. I am a director of the American Acne and
14 Rosacea Society, and I have no financial
15 relationships relevant to this meeting.

16 DR. ZAENGLEIN: Good morning. I'm
17 Dr. Andrea Zaenglein, president of the American
18 Acne and Rosacea Society, and a pediatric
19 dermatologist at the Penn State Hershey Medical
20 Center. I have no relevant conflicts of interest
21 for this meeting.

22 Today Dr. Emmy Graber, an AARS director, and

1 I are here representing the millions of patients
2 with acne who are impacted by the overly complex
3 and restrictive isotretinoin REMS program, iPLEDGE,
4 yet they do not have a voice in the process. We
5 will share real-life cases where acne patients,
6 given the hope of this life-changing medication,
7 isotretinoin, are subject to barriers to access
8 that the current program structure imposes all too
9 often, and will propose common-sense changes that
10 preserve the mission of the program, which is to
11 prevent pregnancy while on the medication.

12 DR. GRABER: Jessica is a 15 year old with
13 severe nodular acne. She waited 3 months to see
14 her dermatologist. Already on a combined oral
15 contraceptive pill, she was enrolled in iPLEDGE,
16 waited 30 days, and was ready to finally start
17 treatment; however, her insurance required prior
18 authorization, which took several days; then
19 Medicaid required a specific brand of isotretinoin
20 that was not in stock at her pharmacy.

21 Due to no fault of her own, she missed the
22 7-day window period and was forced into an

1 additional 19-day waiting period despite the fact
2 that she had two negative pregnancy tests, adhered
3 to the two forms of contraception mandated by
4 iPLEDGE, and was not at greater risk of pregnancy
5 at that point than at any other time in her
6 treatment course.

7 It took Jessica almost 5 months to start
8 isotretinoin. In the meantime, she went to school,
9 faced her peers, and experienced all the
10 insecurities of being a teenager, compounded by her
11 severe acne. Can you imagine her distress at
12 learning she had to wait even a day longer to begin
13 this life-changing treatment.

14 The 19-day lockout period is excessively
15 punitive and is not scientifically based. While we
16 understand the concept of the mid-cycle fertile
17 period that applies to patients on abstinence, the
18 IPMG and FDA failed to take into account that these
19 patients are at the same risk of failed abstinence
20 each month. The 20-some pregnancies reported in the
21 19-day period occurred scattered throughout the
22 entire 19-day period, not in a mid-cycle fertile

1 period.

2 In the 19-day lockout, patients were not at
3 greater risk of pregnancy, and therefore you are
4 not capturing a fertile period of pregnancy, but
5 rather the inherent contraceptive failure rate that
6 applies to all patients at all months. With the
7 fertile period reasoning, you could extend the
8 19-day lockout to 20 days, 30 days or more, and
9 yes, there will be even more documented
10 pregnancies, and yes, decreased exposures.

11 But patients have already been counseled,
12 agreed to adhere to contraception, waited 30 days,
13 and had two negative pregnancy tests. Additional
14 waiting periods are punitive and unfair to patients
15 who are already abiding by the iPLEDGE guidelines.
16 You are not decreasing any risk, just prolonging
17 the waiting period.

18 Importantly, patients on combined oral
19 contraceptive pills, as well as those on implants
20 and hormonal IUDs, do not ovulate, and therefore
21 the addition of the lockout for this group to avoid
22 a fertile period is biologically nonsensical, as

1 there is no mid-cycle ovulation, and thus no
2 distinct fertile period. You are therefore
3 punishing more than half of patients for no
4 scientifically sound reason. This is likely why no
5 other REMS program for teratogenicity have this
6 requirement.

7 This model is also flawed in that it's based
8 on very strict timing. In reality, patients have
9 highly variable menstrual cycle lengths with even
10 normal cycles ranging from 23 to 35 days.

11 Additionally, the highly specific fertile period
12 rationale fails to take into account the variable
13 timing of patient visits. In clinical practice, we
14 are not able to schedule patient visits at exactly
15 30 days due to scheduling logistics. We are not
16 seeing patients 7 days a week, we may have multiple
17 practice locations, and patients have their own
18 scheduling conflicts.

19 All of these factors impose additional
20 variability of days to weeks that the iPLEDGE model
21 does not account for. For these reasons, we
22 propose removing the 19-day lockout period.

1 Patients can repeat a pregnancy test as they do in
2 subsequent months when they miss the 7-day window
3 period.

4 DR. ZAENGLEIN: Emily is a 22-year-old
5 college student ready to graduate, and then
6 starting the interview process for her first job in
7 marketing. She's been riddled with acne since a
8 young teenager, and isotretinoin cleared her acne
9 years ago, but recently the acne recurred. Anxious
10 to restart isotretinoin, she responsibly saw her
11 gynecologist and had Nexplanon placed.

12 She received a baseline pregnancy test and
13 was re-registered in iPLEDGE, but then put into a
14 30-day waiting period to start treatment. Should
15 this conscientious young woman, knowing her acne
16 may affect her employability and already on a
17 highly effective form of contraception, be forced
18 to wait 30 more days to start isotretinoin?

19 Patients on long-acting reversible
20 contraception, also known as LARC, have a risk of
21 pregnancy on par with sterilization methods and are
22 not at greater risk of pregnancy at the initial

1 visit than at any other time in the course of
2 therapy. When iPLEDGE was first created, LARC
3 methods of contraception were not commonly used,
4 however, hormonal implants and IUD usage have
5 dramatically increased since 2005 and are now
6 employed by many patients ready to start
7 isotretinoin.

8 These are responsible patients, already
9 committed to preventing unplanned pregnancy, and
10 they should not be subject to delays and access to
11 isotretinoin. Yes, pregnancies have been reported
12 with LARC in the iPLEDGE system, and the reported
13 numbers are reassuringly low. So unless the
14 majority of pregnancies on LARC fall in the first
15 30 days, there's no rationale for making these
16 patients wait to start treatment.

17 The IPMG noted in their presentation that
18 differentiating this group would be too complicated
19 for providers; however, as we are able to
20 categorize those who can and cannot get pregnant, I
21 am confident that me and my colleagues can tell the
22 difference between a sponge and an implant. We

1 propose removing the 30-day waiting period for
2 patients already on LARC, allowing them to start
3 immediately with a negative pregnancy test and use
4 of condoms.

5 DR. GRABER: McKenna is a 16-year-old junior
6 in high school who came to dermatology with her
7 mother for a second opinion after two years of
8 ineffective treatment by her primary doctor. They
9 live one and a half hours away from the dermatology
10 office, and McKenna is only able to meet the
11 requirements of iPLEDGE through the use of
12 telehealth. Without the telehealth option, the
13 time away would amount to a full week of missed
14 work and school, not to mention the cost of travel.
15 For many Americans, that is half of their yearly
16 allotted vacation time.

17 The suspension of the CLIA-certification
18 requirement for pregnancy testing permitted by the
19 pandemic exception has allowed patients on
20 isotretinoin to access telemedicine services while
21 maintaining the strict pregnancy testing
22 requirements of iPLEDGE. Home pregnancy tests are

1 highly sensitive, equal to the ones done in
2 CLIA-certified labs, and highly accurate when
3 interpreted by a dermatology provider, as it is
4 incorrect interpretation of the result, positive or
5 negative, that results in the majority of user
6 errors.

7 Necessitating CLIA certification results in
8 extra laboratory visits and cost for patients, as
9 most dermatology practices are not CLIA certified,
10 and thus cannot test patients at the time of the
11 visit. Notably, CLIA certification is not required
12 by other REMS programs for teratogenicity.

13 We recommend removing the CLIA-certification
14 requirement and allowing continued home pregnancy
15 testing so that the 50 percent of patients with
16 pregnancy potential can continue to access
17 telemedicine services. While the IPMG showed
18 publish reports on falsification of home pregnancy
19 testing, they did not discuss the subsequent
20 publication put out by the American Academy of
21 Dermatology iPLEDGE work group that detailed an
22 easy and effective workaround.

1 To prevent falsification of at-home
2 pregnancy testing, we can require a name and date
3 written on the home pregnancy test as many of us
4 already do. It is a simple fix, much simpler than
5 missing work or school to physically be in a
6 CLIA-certified lab.

7 The IPMG also states they need data on the
8 safety of home pregnancy testing. As there is no
9 reported spike in pregnancy reported in the last
10 three years, we do have some data to show it is not
11 imposing additional harms. If you remove this
12 option for patients, more specific data on home
13 pregnancy tests cannot be collected.

14 We recommend continued home pregnancy
15 testing and collecting data. Currently, the online
16 attestation requires providers to document the type
17 of pregnancy tests performed, urine or serum. UBC
18 can add home pregnancy tests as an option to easily
19 capture data on the safety of home pregnancy
20 testing.

21 DR. ZAENGLEIN: Sophie is a 14 year old
22 starting isotretinoin. She has a history of

1 migraines with aura and not sexually active. After
2 discussion of contraceptive choices, she chooses
3 abstinence with her mother's support. No 14 year
4 old plans to become pregnant, and Sophie's
5 abstinence ends abruptly. If she had appropriate
6 counseling, she could still prevent pregnancy.

7 Directly from the iPLEDGE REMS guide for
8 patients who can get pregnant, one of the most
9 common reasons that patients get pregnant is that
10 they are engaged in sexual activity when they plan
11 to be abstinent. Emergency contraception is an
12 FDA-approved, over-the-counter form of
13 contraception currently available in all 50 states,
14 yet it is not mentioned, let alone emphasized, in
15 the iPLEDGE program materials.

16 We strongly recommend that emergency
17 contraception education be required for all
18 patients who choose abstinence and request
19 considerations for provisioning of the drug at
20 initiation of isotretinoin therapy to allow for
21 quick and affordable access to this last-chance
22 contraceptive option to prevent pregnancy, the

1 stated goal of iPLEDGE.

2 DR. GRABER: The American Acne and Rosacea
3 Society recognizes the devastating teratogenic,
4 fetal effects of isotretinoin and acknowledges the
5 importance of an FDA-mandated REMS program;
6 however, the common sense and scientifically based
7 changes that we recommend do not compromise and, in
8 the case of emergency contraception, enhance the
9 stated goals of the program, all the while easing
10 unnecessarily punitive lockouts, ensuring continued
11 telehealth access for patients, and distinguishing
12 highly effective, long-acting reversible
13 contraception from other forms of primary
14 contraception.

15 In addition to the recommended changes of
16 the AADA, these proposed changes are in line with
17 other REMS programs for teratogenicity created
18 subsequent to iPLEDGE. They preserve the goal of
19 preventing pregnancy, but importantly ease barriers
20 to access and ease the undue administrative burden
21 that this program places on our patients with
22 severe and recalcitrant acne, and it is on their

1 behalf that we request your thoughtful
2 consideration for these modifications. Thank you
3 so much for your time.

4 DR. LO RE: Thank you.

5 Speaker number 2, can you please unmute and
6 turn on your webcam? Will speaker number 2 begin
7 and introduce yourself? Please state your name and
8 any organization you are representing, for the
9 record. You will have 5 minutes.

10 DR. SIDBURY: Hi. Good morning. My name is
11 Dr. Robert Sidbury. I am speaking on behalf of the
12 Society for Pediatric Dermatology, and I have no
13 current conflicts. More than five years ago, I
14 served as an expert witness on behalf of Roche, the
15 original manufacturer of the drug Accutane, in
16 cases of alleged inflammatory bowel disease and
17 Accutane, but have not done any such work in the
18 past five years.

19 I will start by saying, first of all, thank
20 you for this opportunity. This is an incredibly
21 important issue, and everything that you're going
22 to hear from Drs. Frieden and Barbieri, my

1 colleagues in the future, and that you just heard
2 from Drs. Graber and Zaenglein, apply to my
3 patients, too, and to the pediatric population. So
4 all of those points are valid for our patients as
5 well, but I wanted to take this time to focus my
6 lens on the unique burdens it places on pediatric
7 patients.

8 This is an incredibly vulnerable time of
9 life. We've all been there. Many of us have kids
10 who are there now. It's a difficult time, and
11 you've seen the cases that Drs. Graber and
12 Zaenglein showed, and just imagine yourself in
13 school with that degree of visible pathology; and
14 that superimposed on this difficult time of life is
15 just an incredible challenge for our patients, and
16 limited access to what is a life-altering
17 medication in these kids just enhances the
18 psychological trauma for these kids.

19 Many of you may have seen -- just published
20 yesterday in the Journal of American Medical
21 Association and excerpted today in the New York
22 Times, if you haven't -- there was an article

1 depicting the number of mental health
2 hospitalizations from 2009 to 2019 were up by a
3 quarter. The number that involved suicidal
4 ideation or self-harm had essentially doubled over
5 that period of time. And remember, I said 2009 to
6 2019. That's pre-COVID. So this is just an
7 incredibly important issue for these kids, so it's
8 incumbent upon us as healthcare providers and
9 systems to improve access for the most effective
10 treatments for these patients.

11 As I said, this is pre-COVID, that data I
12 just mentioned from the publication yesterday, and
13 we've all seen our kids struggle with COVID, the
14 isolation that it's imposed, and the increased
15 anxiety and depression that that has imposed, so
16 all of that is just amplified.

17 Now, sort of ironically, as masks are coming
18 off at school, that provided some measure of
19 protection, obscuring the severe acne on the faces
20 of some kids. So the masks are coming off now in
21 many schools, in many areas, and that's actually in
22 some ways been harder on some kids with severe acne

1 because they have to expose the sorts of pictures
2 that you saw from Drs. Graber and Zaenglein.

3 So it's just more important than ever -- due
4 to the epidemic of depression and suicide in all
5 teens and tweens, amplified more in patients with
6 this degree of severe acne, plus the COVID issue,
7 it's just more important than ever that we do
8 everything we can to eliminate barriers to the best
9 medications.

10 The amount of visits, frequent appointments,
11 labs, and administrative hurdles are a challenge
12 for everyone, adults as well; but as you might
13 imagine, even more for kids. And what this also
14 brings along with it is absenteeism. Absenteeism
15 in school, like depression and suicide, has
16 skyrocketed, and this is something that we should
17 do everything we can to minimize. Who does this
18 affect most? It affects the kids with the least
19 amount of resources.

20 As you've heard before, some of the time
21 spent can exhaust all of the amounts of work leave
22 that parents have and all the amounts of vacation

1 that parents have just trying to get these kids to
2 their appointments. This is not equitable care.
3 This is something that many patients can't afford,
4 either in terms of the money or time. So it's just
5 critical that we think about every way we can to
6 minimize those barriers, safely of course. It's
7 critical that we maintain the safety that this
8 program is all about, but at the same time make it
9 more user-friendly for all patients, especially
10 those with fewer resources.

11 The last point I want to make is that if
12 we're not using isotretinoin, if we can't use
13 isotretinoin, and if kids don't have access to
14 that, what alternatives do providers have? There
15 are not a lot of options for kids for systemic
16 therapy for severe nodule and cystic acne, and one
17 that has been used historically, and still is, are
18 our systemic antibiotics.

19 I think it is incumbent upon all of us as
20 healthcare providers, those of us who use systemic
21 antibiotics, to consider that aspect of care as
22 well, and to minimize the use of antibiotics when

1 we can to prevent the development of resistance,
2 let alone the potential impacts on patients from
3 side effects of the antibiotics themselves.

4 In summary, this is just a critical time,
5 and we really appreciate your looking at this
6 issue. I received, unbidden, many emails last
7 night from my membership in the Society for
8 Pediatric Dermatologists, saying please make this
9 case as forcefully as you can because our patients
10 are suffering. That just speaks to the level of
11 investment, engagement, and need that our providers
12 feel on behalf of our patients.

13 So thank you for listening and thank you for
14 taking up this issue. And again, I appreciate your
15 attention. Thanks very much.

16 DR. LO RE: Thank you.

17 Speaker number 3, can you please unmute and
18 turn on your webcam? Will speaker number 3 begin
19 and introduce yourself? Please state your name and
20 the organization you're representing, for the
21 record? You have five minutes, please.

22 DR. CALLENDER: Good morning. I am Ealena

1 Callender. I am speaking as senior fellow at the
2 National Center for Health Research. Our
3 think-tank conducts, analyzes, and scrutinizes
4 research on a range of health issues with a
5 particular focus on which prevention strategies and
6 treatments are most effective for which patients
7 and consumers. We do not accept funding from
8 companies that make products that are the subject
9 of our work, so we have no conflicts of interest.

10 We appreciate the opportunity to express our
11 views today on the proposed changes to the iPLEDGE
12 REMS requirements to minimize the burden on
13 patients, pharmacies, and prescribers while
14 maintaining the safe use of isotretinoin
15 medications. We appreciate the advisory committee
16 making an effort to reduce the administrative
17 obstacles that may delay or interfere with
18 treatment while preserving patient safety.

19 While patient safety is critical, some
20 current safeguards for patients who cannot become
21 pregnant seem unnecessary. We strongly recommend
22 changing the requirements for patients who cannot

1 become pregnant. We suggest eliminating the
2 requirement for prescribers to document repeat
3 counseling for women who have had surgical removal
4 of the uterus or removal of both ovaries, and women
5 who are considered post-menopausal. These women
6 will not regain the ability to become pregnant, so
7 there's no medical reason to require repeated
8 confirmation of counseling.

9 As described in the FDA briefing documents,
10 72-to-78 percent of denials for these patients are
11 due to a prescriber not completing the counseling
12 confirmation. This requirement has no discernible
13 benefit and its elimination would remove a
14 significant barrier for these patients. If a
15 requirement does not improve safety, why don't we
16 eliminate it?

17 On the other hand, allowing abstinence alone
18 in patients who can become pregnant raises
19 questions, especially in the setting of widespread
20 restrictions on reproductive rights in the United
21 States. Research indicates that many adolescents
22 report being coerced into having sex. Also, young

1 adolescents are less likely to tell their
2 healthcare provider that they are sexually active.
3 One study of 169 adolescents found that 25 percent
4 of those between 14 and 17 years old were not
5 truthful with their physicians about being sexually
6 active.

7 Abstinence is an effective way to avoid
8 pregnancy, and the iPLEDGE counseling seems
9 effective; still, we wonder how often adolescents
10 do not want their parents to know that they have
11 had sex, whether it is coerced or consensual.
12 Therefore, they may withhold this information from
13 their physician. We are not confident that most
14 adolescents would disclose being sexually active
15 even though the iPLEDGE system requires patients to
16 tell their doctor immediately if they decide not to
17 be abstinent, and then wait 30 days before engaging
18 in sexual activity.

19 As you consider making changes to the
20 iPLEDGE REMS, it is essential to note that
21 researchers have found that these requirements can
22 lead to financial losses for patients, with

1 55 percent of adult patients, 80 percent of
2 caregivers, and 89 percent of children reporting
3 missing school or work for medication-associated
4 office visits. Female patients are especially
5 likely to incur higher costs due to mandatory
6 repeat office visits, testing, and precise timing
7 of prescriptions.

8 In summary, we want to be clear that we
9 understand that this medication is a known
10 teratogen, and that it is critical to enforce
11 certain restrictions to prevent fetal exposure. We
12 recommend eliminating unnecessary barriers to
13 equitable patient access when those barriers do not
14 provide any benefits, and considering whether to
15 strengthen contraceptive requirements for
16 adolescents for the reasons outlined above. Thank
17 you.

18 DR. LO RE: Thank you.

19 Finally, will speaker number 4 please unmute
20 and turn on your webcam? Will speaker number 4
21 begin and introduce yourself? State your names and
22 any organizations you are representing, for the

1 record. You'll have 10 minutes.

2 DR. FRIEDEN: Thank you. My name is Ilona
3 Frieden, and I'm a board certified dermatologist
4 and outgoing chair of the American Academy of
5 Dermatology Association iPLEDGE work group. I am a
6 practicing pediatric dermatologist at the
7 University of California San Francisco, and I have
8 no other relevant conflicts of interest for this
9 presentation.

10 Dr. Barbieri, do you want to introduce
11 yourself now or do you want --

12 DR. BARBIERI: I'll do it now. I'm John
13 Barbieri. I'm a dermatologist and epidemiologist
14 at the Brigham and Women's Hospital and Harvard
15 Medical School, and I'm the deputy chair of the
16 AADA iPLEDGE work group, and I have no relevant
17 financial disclosures.

18 DR. FRIEDEN: Thank you.

19 I have been a dermatologist for 40 years, so
20 my career beginning in 1983 almost exactly
21 parallels the life cycle of this particular drug,
22 and I estimate that I have treated, personally,

1 well over a thousand patients with isotretinoin.

2 During the past 40 years, it's really
3 striking to realize that no medication has
4 surpassed isotretinoin efficacy for severe and
5 recalcitrant acne vulgaris. In addition,
6 isotretinoin has also been found to be highly
7 effective in a number of other important diseases
8 that we haven't mentioned so far in this hearing,
9 such as ichthyosis, cancer treatments, cancer
10 prevention, and others. And please remember that
11 some of those indications ended up using
12 isotretinoin for years, even decades, greatly
13 increasing the burdens of the iPLEDGE program. The
14 burdens of the iPLEDGE program have caused harms in
15 terms of proven health equity issues for vulnerable
16 populations, which Dr. Barbieri will be discussing
17 in a moment.

18 One thing that wasn't mentioned yesterday is
19 dosing. In countries other than the United States,
20 lower doses of isotretinoin are standardly
21 recommended because they are equally efficacious
22 for acne vulgaris, but they cause less side

1 effects. However, because acne outcomes are
2 associated with a cumulative dosage of
3 approximately 120 milligrams per kilogram for more
4 durable responses, there's a tendency in the
5 context of the iPLEDGE program to have a race to
6 the end, so higher doses are used to get through
7 the program, out of the program, and that does
8 result in provably more side effects.

9 You saw yesterday many timelines, and I
10 really just want to emphasize two dates on this
11 particular timeline. I want to highlight 2016
12 because that was the year the AAD acne guidelines
13 changed. These guidelines have changed the
14 practice for many of us, including myself. We no
15 longer standardly use oral antibiotics as a
16 long-term treatment, and this is critically
17 important, as Dr. Sidbury said, because it's really
18 about antibiotic stewardship as well as efficacy.

19 A central aspect of acne management other
20 than isotretinoin has become hormonal therapies,
21 but these are not generally indicated for patients
22 who are in that category of not becoming pregnant;

1 so for them, there are virtually no other systemic
2 medications other than isotretinoin for the
3 treatment of severe or recalcitrant acne.

4 Another important timeline is 2019 for us
5 personally. Many dermatologists have written and
6 spoken about the burdens of iPLEDGE before that.
7 We formally that year formed the AAD iPLEDGE work
8 group. We published, as you'll see, a publication
9 which outlines some simple common-sense reforms.

10 This was a photo of our work group
11 statement. It was published by three of us, but it
12 was on behalf of our entire work group. We had
13 four major recommendations in this proposal: to
14 change the categories to can become pregnant and
15 cannot become pregnant; to reduce attestation just
16 6 months for those in the cannot become pregnant
17 category; to modify requirements, as was mentioned
18 already and by Dr. Dublin yesterday, for those on
19 LARC; and to allow, which had not been done,
20 explicit acceptance of telemedicine visits as part
21 of the program.

22 Two of these were accomplished, but they

1 were not accomplished through the efforts of IPMG
2 at all. Obviously, due to the HHS directives and
3 the FDA, these categories were changed to can
4 become pregnant and cannot become pregnant. In
5 addition was the acceptance of telemedicine visits
6 because of the COVID pandemic. But the other two,
7 until this hearing, we really have not been able to
8 gain traction or adequately address.

9 The IPMG exists due to the requirement of a
10 REMS program. You might think of it in a way as a
11 kind of an arranged marriage. It's a confederation
12 of currently seven manufacturers who are required
13 to meet and comply with the FDA requirements. And
14 despite many, many attempts to work with the IPMG,
15 we are not aware of any organizational structure or
16 key leaders to communicate with. Instead, we have
17 been given repeatedly a generic email address for
18 trying to establish a working relationship, and we
19 believe that this may explain the inaction of the
20 IPMG since our proposals four years ago in 2019.

21 This was most graphically illustrated in the
22 crisis of 2021 because despite 6 months of

1 notification, no prescriber user input was
2 solicited before revamping the website. What the
3 last timeline didn't show, and you couldn't even
4 put on a timeline, were the hundreds of contacts we
5 had tried to make in trying to work with the IPMG,
6 and emails, multiple emails. This lack of
7 transparency and accountability has been a major
8 hurdle in improving iPLEDGE.

9 The FDA has repeatedly asked us to work with
10 the IPMG, and in the last five years, we have tried
11 our best repeatedly to do so. Even yesterday in
12 the IPMG presentation, most of its presentation,
13 with one exception, was done by their contractors,
14 UBC and Syneos, without leaders of the IPMG coming
15 forward for the presentation, and note that there
16 was not a single dermatologist who presented on
17 behalf of the IPMG, and yet dermatologists are an
18 overwhelming group of prescribers, and directly to
19 work with the IPMG has really not worked out for
20 us. It's just not been possible.

21 Whatever changes the FDA makes based on this
22 hearing going forward, we really want to find a way

1 to continue to meet the REMS goals, improve
2 iPLEDGE, and give patients and other stakeholders a
3 voice, and we hope that the FDA will consider these
4 challenges in working with IPMG in a path forward.
5 Thank you so much.

6 I'll turn it over to Dr. Barbieri now.

7 DR. BARBIERI: Again, I'm John Barbieri.
8 I'm a dermatologist and epidemiologist at Brigham
9 and Women's Hospital and Harvard Medical School,
10 and I really thank the committee for holding this
11 session, for hearing from these stakeholders, and
12 keeping an open mind.

13 Isotretinoin, as we've seen in some of the
14 other presentations today, can be an incredibly
15 life-changing medication for many patients.
16 Although there have been concerns about a number of
17 side effects for isotretinoin, more recent data has
18 really supported the safety of this medication.
19 For instance, isotretinoin is actually associated
20 with a reduced risk of neuropsychiatric adverse
21 events like depression and suicidality compared to
22 other acne treatments, which I think is especially

1 important in this epidemic of mental health
2 problems that we have ongoing.

3 There were concerns about isotretinoin and
4 inflammatory bowel disease that have largely not
5 held up when studied rigorously. And finally,
6 studies looking at isotretinoin in lab
7 abnormalities have even suggested that lab
8 monitoring may not be of any value for this
9 medication.

10 We share the FDA's commitment to pregnancy
11 prevention and agree it's critical for the safe use
12 of isotretinoin, but we're concerned that this
13 program is not without inadvertent harms. There
14 are tremendous logistical barriers associated with
15 iPLEDGE. This is just kind of a web of all the
16 different communications needed to just get a
17 patient a prescription, and compared to other acne
18 medications, the time it takes to successfully go
19 from when you prescribe medication to when the
20 patient actually has it in their hand is
21 5-to-10-fold higher.

22 Unfortunately, if we look at just the

1 comparison of the SMART program, before iPLEDGE, to
2 iPLEDGE, there's been a 20 percent decrease in
3 prescribing among people who cannot become
4 pregnant, who have no risk of the outcome that we
5 care about for this program, which is preventing
6 fetal exposure to isotretinoin, and among people
7 who can become pregnant, even greater reduction in
8 prescriptions. So this program has clearly limited
9 access.

10 In the summary earlier, it's mentioned that
11 the committee was interested in studies on health
12 disparities, and I'd like to summarize a few of
13 them here. This is a study from our group which
14 showed that despite having similar acne severity,
15 non-Hispanic black patients and Hispanic patients
16 are less likely to be prescribed isotretinoin,
17 women are less likely to be prescribed
18 isotretinoin, and those with Medicaid insurance are
19 less likely to be prescribed isotretinoin. In
20 addition, on patients who are of skin of color and
21 patients who are women are less likely to be able
22 to successfully complete a course of isotretinoin,

1 which, again, I think speaks to some of the
2 barriers that this program creates and the
3 resulting healthcare disparities that may occur as
4 a result of it.

5 Again, we're committed to safe use of
6 isotretinoin, but it should not come at the cost of
7 healthcare disparities. So what can we do? We
8 appreciate the IPMG trying to work to reduce
9 attestation requirements and confirmation
10 requirements for patients who cannot become
11 pregnant. We believe that this is critical, and we
12 also echo some of the other speakers from today
13 about the 19-day lockup period.

14 To speak to Dr. Frieden's points earlier, we
15 really need a better relationship, and
16 transparency, and open communication, so going
17 forward we can continue to improve this program to
18 meet the needs of our patients. So when it comes
19 to removing monthly attestation, again, we
20 appreciate the IPMG's efforts to make headway on
21 this. This could substantially reduce access
22 barriers and lessen disparities, but I'm concerned

1 that what was proposed at this session is not going
2 to improve access.

3 To all the administratively burdensome
4 practices, the primary issue is not qualifying the
5 patient to receive drug on the website, but the
6 need for monthly visits for counseling and
7 prescription; and many of us on this committee or
8 workgroup would argue we don't actually feel like
9 we need to see patients monthly for this drug.

10 In the IPMG's proposal, monthly counseling
11 is still required and no refills are allowed. If
12 that's the case, then prescribers will still need
13 to see patients monthly, and access is not going to
14 improve. We're essentially asking patients to come
15 in monthly just to tell them not to share their
16 drug and donate blood for the category of persons
17 who cannot become pregnant.

18 In contrast, if we pair reducing the
19 qualification frequency to every 4 months, or
20 ideally even less, once a year, in conjunction with
21 reducing the requirements for counseling and
22 allowing for time-limited refills to reduce risk of

1 diversion or other issues, we can improve access
2 and reduce healthcare disparities.

3 Additionally, formerly allowing home
4 pregnancy testing and telemedicine is critical, as
5 others have alluded to. I know it was mentioned
6 yesterday, though someone's not a dermatologist or
7 a doctor, that having a patient submit a home
8 pregnancy test with their name and date would be
9 too burdensome. This is already a standard
10 approach in many of our practices, and has been
11 successful, and we're trying to work on collecting
12 data to show this.

13 In addition, it's certainly much easier to
14 do that than to have the patient come to the office
15 to get the lab slip and travel to another location
16 to have it performed, as many of our offices don't
17 have a CLIA-certified lab associated with them.
18 And then importantly, we kind of know that this is
19 safe; we've been doing it for the past three years
20 during the COVID public health emergency. And the
21 data the IPMG presented yesterday, we haven't seen
22 any statistical increase in pregnancy rate during

1 this time frame. If home pregnancy testing was
2 such an issue, then why aren't we seeing an effect?
3 Then finally, if we do decide against allowing for
4 continued access to home pregnancy testing, I
5 really would strongly urge the FDA to formally
6 study it, as I do think it's a major step back for
7 our patients.

8 Moving on to the 19-day lockout period, as
9 has been discussed, most patients when they miss a
10 window period, it is through no fault of their own,
11 and this is just simply not logical. The current
12 programs focused on the menstrual cycles is really
13 an antiquated approach, and has been mentioned in
14 the Q&A yesterday and by others today, many
15 patients do not have a monthly cycle due to medical
16 conditions like polycystic ovarian syndrome, or due
17 to contraception, and those on combined oral
18 contraceptives are not even ovulating at all.

19 As was mentioned by others, the iPLEDGE
20 program is really an outlier in having this 19-day
21 lockout. And even if we accept this premise about
22 a 28-day menstrual cycle and a fertile period

1 that's been proposed by some groups and others in
2 other parts of this talk, let's just try a thought
3 experiment. Pick out a calendar either physically
4 or in your mind. Put an X every month on the 15th
5 to be that fertile window. Now pick any day of the
6 month to start isotretinoin and continue it for a
7 standard 6-month course and see how many X's you
8 pass. You'll find if you do this experiment, no
9 matter which day you start, you're going to pass
10 6 X's.

11 It simply doesn't matter where in the
12 menstrual cycle you start this drug. No matter
13 which day you start it, it's a continuous
14 medication. You're going to go past six of these
15 fertile windows, as described in this idealized
16 menstrual cycle, which, as many have pointed out,
17 is not really realistic. So by removing this
18 19-day lockout, and really the archaic timings
19 around the menstrual cycle in general in this
20 program, we can simplify the program, improve it,
21 and better align it with the real-world biology of
22 our patients with acne.

1 Then has been mentioned, we really need to
2 have a better collaborative relationship together
3 with the FDA and IPMG, and key stakeholders like
4 prescribers, patients, and pharmacists. We would
5 love to work together with the FDA and IPMG to
6 ensure safe access to isotretinoin. We have tried
7 so hard to be able to contact the IPMG to help
8 alert them to problems. Like that debacle in 2021,
9 we warned about every issue that happened and
10 talked about ways to mitigate it, and were largely
11 ignored.

12 Again, with some of the proposals here, as
13 has been heard by groups, many of them really just
14 miss out on some of just the day-to-day practices
15 of how taking care of patients with acne works, and
16 by including dermatologists and key stakeholders in
17 these discussions as we move forward with changes
18 to improve this program, we can make sure that it's
19 patient-centered. So we really ask to have
20 regularly scheduled meetings, including the FDA,
21 IPMG, and other key stakeholders, and have a clear
22 and transparent and, importantly, timely process

1 for us to raise concerns and address programs with
2 the issue.

3 With that, I want to thank, again, the
4 committee for listening to us today and for hearing
5 from our groups, and, additionally, to just keep an
6 open mind and be thoughtful about how we can make
7 this program patient-centered to ensure safe access
8 to prevent fetal exposure without creating
9 healthcare disparities and unnecessary burdens.
10 Thank you.

11 **Clarifying Questions to Presenters**

12 DR. LO RE: Thank you for those thoughts.

13 The open public hearing portion this meeting
14 has now concluded. We will no longer take comments
15 from the audience. The committee will now turn its
16 attention to address the task at hand, the careful
17 consideration of the data before the committee, as
18 well as the public comments.

19 As we have additional time, we will take
20 remaining clarifying questions until we break for
21 lunch at 12 p.m. Eastern time.

22 Can you please display M-1 slide 4, please?

1 (Pause.)

2 DR. LO RE: While that slide is coming up,
3 for Q&A, please remember to use the raise-hand
4 function and to state your name for the record
5 before you speak. If you can, please direct your
6 question to a specific presenter. If you wish for
7 a specific slide to be presented, please let us
8 know the slide number and the presenter, if
9 possible.

10 As a general reminder, it would be helpful
11 to acknowledge the end of your question with a
12 thank you, and end of your follow-up question with,
13 "That's all for my questions," so I can move on to
14 the next panel member.

15 I've just gotten a messaging that
16 Dr. LaCivita would like to make a point of
17 clarification from the FDA.

18 Dr. LaCivita, would you come on camera,
19 please?

20 DR. LaCIVITA: Yes. Cynthia LaCivita, FDA.
21 Thank you.

22 I think I might have misspoke when I had my

1 opening remarks. I just wanted to make sure that
2 we were seeking the company's advice on the 19-day
3 lockout that occurs when the first prescription
4 window is missed in the patient who can become
5 pregnant, and whether this should be retained or
6 modified. I can't recall exactly what I said, but
7 I think I might have misspoke then, so just for the
8 record. Thank you so much.

9 DR. LO RE: Thank you, Dr. LaCivita.

10 I've also been messaged that IPMG
11 representatives would like to provide additional
12 information in response to a question that Dr. Katz
13 had raised about contraception for those identified
14 12 pregnancies that were detected during the
15 lockout. I don't know if Mr. Shamp is going to be
16 presenting on behalf of IPMG.

17 MR. SHAMP: Yes. This is Jim Shamp from
18 UBC. In follow-up, we do have some updated
19 information on the question about the contraception
20 choices that the 10 patients that had gone into a
21 19-day wait were using.

22 Ten out of the 12 pregnant patients who

1 entered that 19-day wait reported contraception
2 choices of birth control pills and male latex
3 condom; one reported vaginal ring and male latex
4 condom; and one reported abstinence, just to
5 clarify that these are the choices as reported to
6 the iPLEDGE system by the patients. Thank you.

7 DR. LO RE: Okay. Thank you.

8 So while we're waiting for hands to come up
9 for clarifying questions, let me start off.

10 We've heard quite a bit at the open public
11 hearing about issues of equity and negative health
12 impacts on disparities and vulnerable populations,
13 particularly with regards to delays in care. My
14 question, I think primarily to IPMG, is there was
15 data that was presented that 15 percent, or
16 approximately 15-to-20 percent, of patients who can
17 become pregnant miss their first treatment because
18 the 7-day prescription window expires.

19 I don't believe that we saw data with
20 regards to race or ethnicity. I also recall that
21 one of the speakers at the open public hearing had
22 mentioned about there may be disparities with

1 regards to not completing a course of isotretinoin
2 treatment, and I would be interested to know if
3 there are racial, ethnic disparities, and if you
4 can provide breakdowns according to race and
5 ethnicity with regards to completing a course of
6 treatment. Thank you, and this is Vincent Lo Re at
7 the University of Pennsylvania.

8 MR. SHAMP: Jim Shamp from UBC. We can
9 appreciate that there is a burden associated with
10 complying with the iPLEDGE REMS and that we are
11 committed to helping ensure access to a
12 isotretinoin, but we do have to do that within the
13 confines of the REMS, and in a way that ensures
14 we're meeting the goals to prevent fetal exposure
15 to isotretinoin. We do not collect, as part of the
16 enrollment of the patient, either race nor
17 ethnicity, so we're not able to provide that data
18 at this time. But as I said, we are committed to
19 helping ensure access to isotretinoin in a way that
20 continues to support meeting the goal. Thank you.

21 DR. LO RE: I'm going to go in order of the
22 hands being raised.

1 Dr. Woodward, your hand is up.

2 DR. WOODWARD: Hello. This is Maria
3 Woodward, University of Michigan, the Ophthalmic
4 and Dermatologic Advisory Committee.

5 I guess my question, then, is in response to
6 the fact that iPLEDGE is not currently collecting
7 race and ethnicity data. I'd like to add that
8 there's also insurance status data, uninsured
9 insurance, and that data. I think that this data
10 may be available through the AADA, and my question
11 is, to them, do they have this data showing the
12 disparities? I believe that it was highlighted in
13 their presentation, but I'd like to dive into that
14 because it makes common sense knowledge that people
15 who can afford it and have better health literacy
16 are more easily able to deal with this system. So
17 I was hoping the AADA could clarify their data from
18 their research studies.

19 DR. LO RE: Dr. Bautista, can you clarify if
20 it is permissible for AADA to respond or not?

21 DR. BAUTISTA: Hi. At this time, we are not
22 taking any clarifying questions from any of the

1 OPH speakers.

2 DR. WOODWARD: Well, I apologize. I thought
3 that was our time to ask questions to them. Thank
4 you. Can someone from, then, the FDA -- or is
5 there just not data?

6 I guess, then, my follow-up question would
7 be, does IPMG have a system for looking at
8 peer-reviewed data to see about these disparities?
9 If they don't have data, it sounds like it's being
10 collected by other institutions. Do they have a
11 process by which to review data for health equity?

12 MR. SHAMP: Jim Shamp from UBC. The IPMG
13 does not currently have a process to review peer
14 data. Thank you.

15 DR. LO RE: If I could just follow up from
16 Dr. Woodward's question, then, one of the other key
17 barriers that were mentioned during the open public
18 hearing were prior authorizations, issues of either
19 insurance denial or insurance delays.

20 Can you just clarify how often these delays
21 are contributing to missing the first treatment
22 because of the window period expiring? Do you have

1 those data?

2 MR. SHAMP: Jim Shamp from UBC. If I could
3 just clarify, you're asking if we have data that
4 indicates why the patient missed the 7-day window?

5 DR. LO RE: Yes, and particularly, if it was
6 related to insurance, lack of prior authorization
7 requests, or other insurance issues.

8 MR. SHAMP: We do not have data -- we don't
9 collect any data, and therefore don't have it on
10 why the patient missed the 7-day window, but what
11 the system does collect we don't have, again,
12 today. But we do collect data on patients that
13 have discontinued, provided that the prescriber
14 indicates from the system the patient discontinued,
15 and reasons of insurance is one of those
16 discontinuation reasons. Thank you.

17 DR. LO RE: Thank you.

18 Dr. Katz, you have your hand up.

19 DR. KATZ: Thank you. I wanted to thank the
20 speakers of the open public hearing for their
21 comments, and just to clarify something that I said
22 yesterday about prescriptions longer from 30 days,

1 that I would want to check in with my patients and
2 didn't advocate for longer prescription times. I
3 do think that. I just wanted to clarify that I
4 think that that could be done by telehealth, and
5 certainly would not require an in-office visit for
6 every patient. Thank you.

7 DR. BAUTISTA: Hi. This is Phil Bautista,
8 the DFO. I really appreciate all the comments we
9 received so far, and some of the questions as well,
10 but I just want a reminder that at this point it's
11 just really to focus in on clarifying questions; so
12 presentations, briefing materials, or any
13 additional information that you might need to
14 inform the discussion later on after lunch.

15 So if you do have any recommendations or
16 solutions, we ask that you raise these for
17 discussion and voting questions. Thank you.

18 DR. LO RE: Dr. Salvas, do you have a
19 clarifying question?

20 DR. SALVAS: I do. Thank you.

21 Good morning, everybody, and thank you to
22 the members of the public for sharing their

1 perspective. Two clarifying questions for me, and
2 I'll direct this to the IPMG and the FDA for their
3 perspectives.

4 What is the proportion of patients
5 leveraging abstinence as their form of
6 contraception, and what is the IPMG's and FDA's
7 perspective on the incremental monthly risk for
8 patients using abstinence? The reason I ask has to
9 do with the 19-day lockout, and it was brought up
10 this morning that that risk does not go away on a
11 monthly basis for folks using abstinence for those
12 that can become pregnant, so I would appreciate
13 understanding that a little bit more deeply.

14 Then the second is, do we have data to
15 support continued monthly counseling and blood
16 donation, in person, virtual, or otherwise, beyond
17 the hypothetical risk of somebody potentially
18 sharing or potentially donating blood? I
19 understand the hypothetical risk of this, but do we
20 really understand the risk/reward of exerting this
21 much effort for the system? Thank you.

22 MR. SHAMP: Jim Shamp from UBC. In response

1 to your first question about the proportion of
2 patients using abstinence, slide up. On this
3 slide, you'll see the 10 most common contraception
4 methods based on the monthly interactions, and you
5 can see here that, based on that, abstinence is the
6 number one choice with over 700,000 monthly
7 interactions choosing abstinence as their choice,
8 which is just slightly more than 46 percent.

9 As far as the incremental risk of using
10 abstinence, I will ask Dr. Weiss to respond to that
11 question.

12 Dr. Weiss?

13 DR. WEISS: Hi. Dr. Herman Weiss. I'm an
14 external GYN consultant. As a paid consultant to
15 the sponsors, I have no financial interest in the
16 outcome of this meeting.

17 The incremental risk associated with
18 abstinence as the primary choice -- indeed, you are
19 correct -- doesn't go away, but it shouldn't change
20 in terms of the way that the program is run if
21 abstinence is their true method.

22 Now, I know it was mentioned earlier about

1 the fact that adolescents have been shown to
2 potentially lie to their caregivers as a way to
3 cover up sexual activity. That should be, indeed,
4 taken into account when making recommendations for
5 the continued program. Thank you.

6 DR. SALVAS: Thank you.

7 I guess where I'm going, gentlemen, is if
8 we're to consider potentially removing the 19-day
9 lockout in a system where half of the patients are
10 not benefiting on the subsequent months, should we
11 also be considering adding the 19-day lockout for
12 those patients on a monthly basis? And if we have
13 an allergic reaction to a system designed like
14 that, might that be an important consideration for
15 whether or not the 19-day rule, or whatever we want
16 to call it, should exist in the first place?

17 MR. SHAMP: Jim Shamp from UBC. The purpose
18 of the 19-day lockout, or wait in this case, is to
19 prevent fetal exposure to isotretinoin, so this is
20 the last opportunity to prevent the exposure.
21 After the patient has received their drug, then the
22 goal is then to try to minimize the exposure. So I

1 don't think the 19-day wait would be best serving
2 that purpose, but like I said, the purpose of it at
3 the first prescription window is to prevent fetal
4 exposure. Thank you.

5 DR. SALVAS: Understood.

6 Alright. That's enough for me. Thank you.

7 DR. LO RE: Dr. Calis, you have your hand
8 up.

9 DR. CALIS: Yes, thank you very much.
10 Actually, that's a good segue to my question
11 because I'm kind of getting a good understanding of
12 all the issues that we're deliberating on today.
13 The one thing that I keep coming back to is the
14 19-day lockout. I've heard a lot of discussion and
15 kind of partial presentations about it from various
16 individuals, but I'm still unclear, including even
17 the statement just a second ago about what is truly
18 the rationale of the 19-day lockout, and what
19 evidence is there [inaudible - audio gap] -- I
20 heard a little bit of the history that there was a
21 23-day lockout, et cetera, so there was some
22 thought put into this, and I would just like to

1 have someone kind of elaborate on it. I understand
2 the physiologic parts. Are there technical
3 administrative reasons as well? I haven't heard it
4 clearly articulated, so I'd appreciate some
5 thoughtful discussion of that because I think
6 that's a critical issue that we have to consider.

7 MR. SHAMP: Jim Shamp from UBC. I'll ask
8 Dr. Weiss to elaborate on the 19-day wait.

9 Dr. Weiss?

10 DR. WEISS: Thank you. Dr. Herman Weiss,
11 external GYN consultant. As has been presented by
12 both the agency and by the IPMG, indeed it's true
13 that there's limited strong medical rationale for
14 this legacy 19-day wait period, but from the data
15 presented, it is quite evident it has successfully
16 identified 12 pregnancies.

17 Now, we understand that menstrual cycles
18 vary given the average 28 days, but as mentioned
19 earlier by Dr. Barbieri, if you go into any 6-month
20 period of time, you're going to have 6 ovulations
21 in an untreated patient. But the fact of the
22 matter is, abolishing this legacy 19-day wait would

1 have risk exposing these 12 patients to the drug.

2 So although there's no strong medical
3 rationale, as we've gone over, and I think as your
4 question has identified, as we said earlier, the
5 proof is in the pudding and I think that that would
6 be part of the rationale. Thank you.

7 MR. SHAMP: Yes. And if I can just add,
8 pregnancies from this 19-day wait are likely
9 unreported because they are not required to be
10 reported to the registry, because they are not
11 exposed. Thank you.

12 DR. LO RE: Can I ask Dr. LaCivita, just
13 maybe from the agency's perspective for Dr. Calis,
14 if they can provide some additional either insights
15 or thoughts as to the medical basis for the
16 rationale. I know it was presented by Dr. Crist in
17 the past, but Dr. Calis is looking for a little
18 clarification.

19 DR. LaCIVITA: Thank you. This is Cynthia
20 LaCivita, FDA. I'm going to ask Wenjie Sun to
21 answer that question, and then she may need
22 assistance by Dr. Crist. Thank you.

1 DR. SUN: Hi, everyone. Wenjie Sun, FDA.

2 DR. LaCIVITA: Dr. Sun, we can't hear you
3 very well.

4 DR. SUN: Can you hear me now? Is that
5 better?

6 DR. LaCIVITA: Yes.

7 DR. SUN: I'm going to speak on the
8 biological rationale for the 19-days. The failure
9 to obtain a prescription during the initial 7-day
10 prescription window will lead some patients to
11 enter into the fertile time of their menstrual
12 cycle, and a wait period is necessary to detect any
13 pregnancy for that particular population during
14 this time.

15 For those who fail to pick up their first
16 prescription prior to initiation of treatment, the
17 19-day lockout is just an added layer of screening
18 for everyone to prevent exposure, and that's our
19 rational for the 19 days. Thank you.

20 DR. LO RE: Thank you, Dr. Sun.

21 Dr. Calis, was that clarified for you?

22 DR. CALIS: No, not yet. I have a quick

1 follow-up.

2 So I understand what was just presented, and
3 I appreciate the responses. I guess what I'm
4 gathering is that the 19-day lockout is affecting
5 the initial phase when we start prescribing this
6 drug, but it obviously does not continue on, and
7 somebody can get continued treatment.

8 Additional pregnancy testing early on in
9 that phase, could that be substituted as a method
10 to help us prevent the 19-day lockout? Is there
11 some kind of alternative administrative method that
12 can help ensure that we could limit embryo-fetal
13 exposure to the drug? Thank you.

14 DR. SUN: Thank you for that question. The
15 19 days apply to everyone, and it is designed to
16 prevent exposure for everyone before they start
17 treatment. This is the last chance for us to have
18 this layer of screening to prevent exposure.

19 The reason it requires 19 days and not less
20 than 19 days, for a particular group of patients
21 who do ovulate regularly, if they follow that
22 28-day menstrual cycle, when they fail to pick up

1 their prescription, they are entering into that
2 fertile phase, and it takes time for pregnancy to
3 develop at implant before it can be detected. So
4 screening for that particular population prior to
5 19 days will fail to detect that, those pregnancies
6 that might occur during that cycle, and that's the
7 reason why a wait time is needed for that
8 population.

9 Does that answer your question?

10 DR. CALIS: Somewhat. Thank you.

11 DR. SUN: Thank you.

12 DR. LO RE: Thank you, Dr. Sun.

13 Dr. Dublin?

14 DR. DUBLIN: Thank you. I have a couple of
15 questions. One of them is I guess for the FDA, and
16 I'm just wondering, is it within the scope of the
17 advisory committee and of the FDA to require that
18 IPMG develop a robust process for assessing the
19 impact of iPLEDGE on health disparities and health
20 equity? This could include features such as
21 requiring that iPLEDGE collect some of the data
22 about race ethnicity or that IPMG access outside

1 databases to study this.

2 Is this within the scope of FDA's ability to
3 recommend, based on the advisory committee?

4 Then a follow-up question to IPMG would be,
5 what are the barriers to, and would you have an
6 objection to, beginning to collect information
7 about data that would allow you to study health
8 disparities within iPLEDGE, such as race data,
9 ethnicity data, socioeconomic status, and other
10 rural world versus urban location? Thank you.

11 DR. MANZO: Hi. this is Claudia Manzo from
12 FDA. I'll try to address that question. We
13 certainly have the ability to require sponsors to
14 assess the impact on patient access. I can't say
15 that in the past we've look specifically at
16 socioeconomic status or race. That is, of course,
17 additional information that we might be requesting
18 of a patient that really, in general, would go
19 beyond the scope of what's necessary for the safe
20 use of the product, but we can take that back and
21 think about ways in which they might be able to
22 look to see whether there's greater impact in

1 certain populations of patients than others.

2 Does that help answer your question?

3 DR. DUBLIN: That's great. Thank you.

4 Then the question for IPMG, would you be
5 opposed, or what barriers do you see, to beginning
6 to collect the data that would allow you to
7 understand the differential impact on the
8 requirements on patients in more vulnerable
9 situations?

10 MR. SHAMP: Jim Shamp with UBC. We
11 appreciate this thinking, and we are certainly
12 happy to discuss those changes with the agency, as
13 well as stakeholders. I do want to just state that
14 as with any change to the REMS, this change would
15 require a proposed modification to be submitted to
16 FDA, FDA's review, and approval of that, as well.
17 Thank you.

18 DR. DUBLIN: I have a follow-up comment and
19 a question. I just want to comment that one of the
20 speakers, in responding to a question recently,
21 used the language of "adolescents lying to their
22 caregivers" to cover up sexual activity, and I just

1 want to highlight that I find that language
2 concerning. I think it shows a lack of empathy and
3 compassion towards our adolescent patients. I'd
4 like to ask that speakers make every effort to
5 speak about the patients we're serving in a way
6 that respects the difficult choices they face.

7 Third, I have a comment or question about
8 the fertile window, and I wonder if we could put
9 one of the calendars or the pictures back up. I
10 just want to reason out loud and ask FDA to
11 respond.

12 It looked to me, from one of the pictures
13 that showed the different dates, someone might have
14 a pregnancy test on days 1 through 5; and then they
15 might miss their pickup in the next 7 days; and
16 then they might have the 19-day lockout. I mean,
17 it actually looks to me like if someone did get
18 pregnant during the lockout period of 19 days -- so
19 during the fertile window -- that we've seen a
20 variety of different kinds of data. We did see
21 data that the pregnancy tests are able to detect,
22 say, 70, or 90, or something, some really high

1 percent of pregnancies, after 19 days, but that's
2 after 19 days from conception.

3 So I think we may be conflating some
4 different things because it seems to me like if
5 someone got pregnant right at the end of the
6 fertile period, like day 16, the odds of the
7 pregnancy test on day 20 detecting that pregnancy,
8 that's 5 days from the date of the conception.
9 That would be very, very low. So, in a way, I feel
10 like the 19 days it takes to detect the pregnancy
11 successfully, that's the 19-day lockout. The
12 19-day lockout has the fertile period right in the
13 middle.

14 So I'm just wondering if FDA could react to
15 the idea that maybe this is sort of false
16 reassurance, that if a pregnancy occurred on
17 day 16, the pregnancy test is not really helping us
18 in the way we believe it is; and thus, I guess I
19 would say I'm not convinced it's fully justified.
20 But I really would appreciate your thinking about
21 whether I'm thinking through this properly.

22 DR. LO RE: Dr. LaCivita, could you or

1 someone in the group, in the agency, respond?

2 DR. LaCIVITA: Yes. This is Cynthia
3 LaCivita, FDA. I'm going to ask Dr. Sun if she
4 could respond to that question, and I'm not sure
5 she has a backup slide for that, or even from her
6 presentation.

7 DR. SUN: I do have a slide from the
8 presentation. Give me one second. Wenjie Sun,
9 FDA. If you'd like, you can pull up my slide for
10 slide 15.

11 (Pause.)

12 DR. SUN: Okay. I'm going to talk about it
13 while you're pulling up the slide. The slide I'm
14 referring to is a graphic representation of
15 detection of pregnancy for patients with regular
16 cycles, and thank you for pointing it out. You are
17 correct; testing patients 19 days after the
18 confirmatory pregnancy test takes a patient to
19 roughly day 20 to day 24 later of their cycle, and
20 this represents the earliest time where pregnancy
21 conceived during the cycle can be detected. That
22 percentage is roughly around 40-to-66 percent;

1 therefore, if you wait longer, you could
2 potentially detect a greater percentage of
3 pregnancy.

4 Does that address your question?

5 DR. DUBLIN: Thank you. I think that's
6 really helpful. I think everyone on this call is
7 united to our commitment and passion about
8 preventing pregnancies, but I really take the
9 points that were raised earlier about people who
10 don't even ovulate because of the contraception
11 they're on. And I think that to really follow this
12 logic to its end, we'd have to require something
13 like a 25-, or 30-, or a 35-day lockout, or
14 something where I think we wouldn't really -- as
15 the previous speaker said, if we have an allergic
16 reaction to that, we should listen to that feeling.

17 That concludes my questions. I appreciate
18 the FDA's and IPMG's answers. Thank you.

19 DR. LO RE: Great. Thank you.

20 Ms. Robotti, you have your hand up.

21 (No response.)

22 DR. LO RE: Ms. Robotti?

1 MS. ROBOTTI: Sorry. I clicked hastily.
2 Thanks. I'm sorry. Very quickly, an easy question
3 is, how many people get locked out in a year? I've
4 forgotten the number.

5 MR. SHAMP: Jim Shamp from UBC.
6 Approximately 15 percent of the patients go into a
7 19-day wait after their first prescription.

8 MS. ROBOTTI: Thanks. Perfect; just what I
9 was asking.

10 Secondly, I'm asking this question because I
11 am not a doctor, and oddly as a consumer rep, I'm
12 not allowed to consult with doctors ahead of the
13 meeting. It's just one of those roles they have
14 for us. So you all know this, but I would like to
15 know it.

16 The counseling, the initial counseling that
17 a doctor goes through with a patient, I mean, I've
18 seen the checklist of what needs to be covered, but
19 not the detail of it. So does it include the
20 discussion of the consequences and the options
21 available to the patient? So a specific discussion
22 of, if you should become pregnant on this, your

1 options are you could seek an elective abortion,
2 which most do, but what are now becoming
3 increasingly more difficult to choose, or pray for
4 a spontaneous abortion or you will give birth to a
5 child with incredible difficulties, challenging it
6 with huge amount of expenses to out of pocket, and
7 to society, and the damage.

8 Is that all covered in these initial
9 conversations that require it to be? I just want
10 to understand that young teenagers really
11 understand the consequences of choosing abstinence
12 and making mistakes.

13 MR. SHAMP: Jim Shamp from UBC. The
14 education materials provided to the prescriber to
15 be used with the patient does provide specific
16 counseling on the choices, the available
17 contraception choices, that are approved for the
18 iPLEDGE REMS program. In the situation if a
19 pregnancy occurs, the patient should be referred to
20 an expert in the situation to be counseled on
21 possible choices following that pregnancy. Thank
22 you.

1 MS. ROBOTTI: Well, thank you.

2 DR. LO RE: Thank you.

3 Dr. Atillasoy, you have your hand up.

4 DR. ATILLASOY: Hi. Can you hear me?

5 DR. LO RE: Yes, we can hear you.

6 (No response.)

7 DR. LO RE: Now I don't think we can hear
8 you.

9 (No response.)

10 DR. LO RE: Okay. While you're sorting out
11 the connectivity -- wait; now we can see you.

12 DR. ATILLASOY: Oh, sorry. Can you hear me?

13 DR. LO RE: Yes, we can hear you and see
14 you.

15 DR. ATILLASOY: Ercem Atillasoy. I can
16 forego the questions. I could ask them later.

17 I would just ask if the FDA or IPMG could
18 remind us -- two quick questions -- the number of
19 prescriptions for isotretinoin in the last 5 or
20 10 years in the United States, number one; and then
21 perhaps comparing or contrasting the rates of
22 unintended, or the number of unintended,

1 pregnancies in the United States versus a country
2 like Canada that doesn't have a REMS.

3 I ask that in the context of trying to
4 determine -- there's been lots of commentary about
5 lack of access to the medication, so I just wanted
6 us to see some data around this topic. Thank you.

7 MR. SHAMP: Jim Shamp from UBC. Slide up.
8 From my presentation, we do have this slide that
9 shows the number of prescription risk management
10 authorizations from year 16, and that is just a
11 little more than 1.8 million just from year 16
12 alone. I want to just point out that year 16 was a
13 shorter year. This was the bridge assessment
14 report, so it covered 10 months instead of the
15 typical 12 months. But you can see the volume from
16 this, cumulatively, that over the first 16 years of
17 the iPLEDGE REMS, there have been almost 21 million
18 authorizations.

19 I believe your second question, if you
20 wouldn't mind restating that. I just want to
21 clarify what it was.

22 DR. ATILLASOY: The question there was also

1 just to compare and contrast the number of
2 unintended pregnancies in the United States versus
3 a country like Canada, which does not have a REMS
4 program. There's been lots of discussion about
5 contraception and our potential reliance upon
6 consideration for in-home testing and things like
7 that, so I'd appreciate seeing unintended
8 pregnancies in the U.S. versus Canada or other
9 countries that may not have a REMS program in
10 place.

11 MR. SHAMP: Yes. Slide up. This is Jim
12 Shamp from UBC. This slide shows the unintended
13 rate of pregnancies in the U.S., which was 45 per
14 1,000 women, or young women, and this is data from
15 2011. Then you can see, on the right-hand side,
16 the general Canadian population rate of
17 50 pregnancies per 1,000 women, and that is from
18 data of 1996 through 2011. In comparison, the same
19 year of 2011 for the U.S. population, the iPLEDGE
20 pregnancy rate in that year was 1.2 per 1000.

21 Thank you.

22 DR. ATILLASOY: Thank you.

1 DR. LO RE: Dr. Woodward, you have your hand
2 up.

3 DR. WOODWARD: Yes. I just had another
4 clarifying question for IPMG.

5 I understand that we've been saying this
6 number about 12 people affected because of the
7 lockout period, but that's a cumulative number. As
8 I look at the data tables that are presented in the
9 briefing document, there's only three in year '16,
10 and similarly between 0 and 5 it looks like, over
11 the 12-to-16-year period. I'm just thinking when I
12 compare that to table 14 in the briefing document
13 that says the number of exposed iPLEDGE pregnancies
14 by isotretinoin exposure over the lifetime of
15 people taking the medication, it's 177 after that
16 lockout period during the monitoring phase.

17 So I just want to make sure I understand
18 because when you said 12, I couldn't find the 12.
19 I could only find just year by year. Thank you.

20 MR. SHAMP: Jim Shamp from UBC. So those
21 12 pregnant patients are from years 12 through 17,
22 and you are correct that they are not all in one

1 year, so that is the cumulative for those years.
2 And I think we've said this before, but just want
3 to restate, that this number is likely
4 underreported because these pregnancies are not
5 required to be reported to the registry because
6 they are non-exposed pregnancies. Thank you.

7 DR. LO RE: Dr. Huybrechts?

8 DR. HUYBRECHTS: Krista Huybrechts. I just
9 had a clarifying question related to access. It
10 was my understanding, based on data that were
11 shared yesterday, that over time, the number of
12 patients on treatment had increased. But I seem to
13 remember from data that were presented earlier
14 today, that since the introduction of the iPLEDGE
15 program, the number of patients that have been
16 treated was much lower than before the iPLEDGE
17 program, and I'm not sure I fully understood it or
18 interpreted the data correctly. But I was
19 wondering, given that the public commenters can't
20 respond, that maybe IPMG can speak to that.

21 Is there any evidence that since
22 introduction of the iPLEDGE program, with all of

1 its restrictions, that access has decreased? Are
2 there data to support that or not at this point?

3 MR. SHAMP: Jim Shamp, UBC. I don't think
4 we have data over the life of the program that
5 would support this, but what we do have is data
6 from the past, I believe, 4 or 5 years.

7 Can I get the data that has the enrollment?

8 (Pause.)

9 MR. SHAMP: Bear with me while I'm having
10 this pulled up.

11 (Pause.)

12 MR. SHAMP: Yes, slide up.

13 DR. LaCIVITA: Dr. Lo Re, maybe when
14 Mr. Shamp is done, we also have some drug
15 utilization data that might be helpful.

16 DR. LO RE: Will do, Dr. LaCivita. And
17 Dr. Pham's hand is up, too. Is that all related?

18 DR. LaCIVITA: (nods yes.)

19 DR. LO RE: Very good.

20 MR. SHAMP: This is the data we have
21 available today. Unfortunately, it only shows
22 year 12, but as you can see, we had nearly

1 300,000 patients enrolled in iPLEDGE in year 16
2 alone and just over 1.8 million authorizations to
3 dispense. Thank you.

4 DR. LO RE: Dr. LaCivita, do you and
5 Dr. Pham want to respond for utilization?

6 DR. LaCIVITA: Yes. I'm going to turn it
7 over to Dr. Pham for that question. Thank you.

8 DR. PHAM: Hi. Good morning. This is
9 Tracy Pham, FDA. Backup slide number 8, please?

10 (Pause.)

11 DR. PHAM: So while we're waiting for the
12 slide to show up, I just want to make a comment.
13 We're looking at a proprietary drug-use database to
14 look at the number of isotretinoin prescriptions
15 dispensed from the U.S. outpatient retail and
16 mail-order specialty pharmacies, and we look at
17 this monthly data. As you can see from this graph,
18 the monthly dispensed prescriptions for
19 isotretinoin is it fluctuates, but it's follows a
20 very similar pattern where there is a dip around
21 October and November, but then it's picked up again
22 after that, usually around January, February, and

1 March. So as you can see, there's no decrease
2 after that modification. There's that usual dip in
3 October and November, and then the trend picked up
4 again. So based on this data that we're showing,
5 we didn't really see a decrease in use.

6 Then if you can go to slide number 9,
7 just to go back to one of the questions that was
8 raised earlier of how many prescriptions and how
9 many patients are taking isotretinoin in the last
10 couple of years, we did look at also the number of
11 prescriptions and number of patients for
12 isotretinoin from the retail and mail-order
13 pharmacy since 2010, and as you can see, the number
14 of patients and prescriptions basically doubled
15 over that time period that we analyzed.

16 Let me know if there are any other questions
17 or additional clarification?

18 DR. HUYBRECHTS: No follow-up from my end.

19 Thank you.

20 DR. PHAM: Okay. Thank you.

21 DR. LO RE: Thank you, Dr. Pham.

22 Dr. Calis, you have your hand up.

1 DR. CALIS: A quick question. I'm following
2 up actually on the question from one of my other
3 colleague panelists with regards to the patient
4 education. Can someone describe the nature of the
5 patient education as it relates to the extent of
6 the discussion of the embryo-fetal toxicity and
7 teratogenicity issues? Is that something that is
8 emphasized in the education? That could obviously
9 influence compliance with various methods of
10 pregnancy prevention.

11 MR. SHAMP: Jim Shamp from UBC. Bear with
12 me as I find the material.

13 (Pause.)

14 MR. SHAMP: Your question is specific to the
15 information and materials that have to do with
16 embryo-fetal toxicity; is that correct?

17 DR. CALIS: Correct. Thank you.

18 MR. SHAMP: Looking in the prescriber guide,
19 there is a section on birth defects that discusses
20 that there is an extremely high risk that a
21 deformed infant will result if pregnancy occurs
22 while patients who can become pregnant take

1 isotretinoin in any amount, even for short periods
2 of time. Potentially any fetus exposure during
3 pregnancy can be affected. Not every fetus exposed
4 to isotretinoin has resulted in a deformed child;
5 however, there is no accurate means of determining
6 which fetus has been affected and which has not
7 been affected.

8 While isotretinoin is taken during
9 pregnancy, it has been associated with fetal
10 malformations, and there is an increased risk for
11 spontaneous abortions and premature births. The
12 following human fetal abnormalities have been
13 documented and, slide up, the remaining materials
14 match what is on this slide here.

15 (Pause.)

16 DR. LO RE: Dr. Calis, any other questions?

17 DR. CALIS: No. Thank you very much. I
18 appreciate it.

19 MR. SHAMP: Thank you.

20 DR. LaCIVITA: Other questions? Dr. Liu,
21 you have your hand up.

22 DR. LIU: I have a question about the 7-day

1 pickup window. I heard several reasons that can
2 lead to the patient missing the 7-day pickup
3 window. The reasons include insurance, patient's
4 schedule, and prescriber's schedule. I wonder if
5 there's any detail statistics, like a summary,
6 about the reason why patients are missing this
7 7-day window. This may be a question for IPMG. Do
8 we have any data for that?

9 MR. SHAMP: Jim Shamp from UBC. We don't
10 collect specific reasons for missing the
11 window -- I'm looking for the data that shows the
12 reasons for denial -- but what we do is we do have
13 data on some of the reasons that the authorization
14 was denied, which might give us some insight into
15 why this is happening.

16 While I'm waiting for that data to come up,
17 there are a couple reasons why a patient may miss
18 the 7-day window outside of just not getting to the
19 pharmacy and picking it up. If they fail to
20 demonstrate their comprehension in that time frame,
21 that would cause a denial. So if they never
22 demonstrate the comprehension, it would not matter

1 if they were able to get to the pharmacy. In
2 looking at reasons for denial, 44.6 percent of the
3 denials are because the patient has yet to
4 demonstrate their comprehension, and that is the
5 number one reason for denial.

6 DR. LIU: I'm talking about the 7-day
7 prescription window. That means they can pick up
8 the medication but miss the window.

9 MR. SHAMP: Once the prescriber enters the
10 pregnancy test and confirms the patient in the
11 system, that's what creates the 7-day window, and
12 then within that 7-day window, the patient must
13 also demonstrate her comprehension before she's
14 qualified to receive drug. So if she does not
15 demonstrate her comprehension, she will not go to
16 pick it up at all. But beyond these denial
17 reasons, we don't have specific reasons why the
18 patient was not able to get their drug in that
19 7-day window. Thank you.

20 DR. LIU: Okay. Also, do we have any data
21 that suggests for patients who miss the 7-day
22 prescription window has a higher chance to become

1 pregnant than those who didn't?

2 MR. SHAMP: Jim Shamp from UBC. We don't
3 have data that shows an increased risk to these
4 patients, but what we do know is that this is the
5 last opportunity to prevent fetal exposure, and
6 that's directly tied to one of the goals of the
7 iPLEDGE program. Thank you.

8 DR. LIU: Alright. Thanks.

9 DR. LO RE: Dr. Tollefson, you have your
10 hand up.

11 DR. TOLLEFSON: Yes. I have two questions
12 about emergency contraception that I think may be
13 directed towards the experts at the FDA for the
14 first part. I'm trying to get a sense for the
15 availability of emergency contraception, in
16 general, and are there regional variations in that.
17 Second, is there a reason that, so far -- this
18 could be for IPMG or the FDA -- that specifically
19 hasn't been considered in the education part of the
20 iPLEDGE program?

21 DR. LaCIVITA: Cynthia LaCivita, FDA. I'll
22 start the question, and then I'm going to probably

1 ask Dr. Crist to help me. I'm not aware of any
2 regional issues with regard to the availability of
3 emergency contraception. There may be some; I'm
4 just not aware of anything like that.

5 What was your second part of the question?
6 Can you repeat that again? Oh, where is the
7 emergency contraception located in the materials?

8 DR. TOLLEFSON: Yes.

9 DR. LaCIVITA: Okay.

10 DR. TOLLEFSON: Is it located, and second,
11 is there a reason it just hasn't had more
12 attention?

13 DR. LaCIVITA: It is located in the
14 materials. I'm going to turn it over to Dr. Crist.

15 DR. CRIST: Hi. Thank you. Lindsey Crist
16 from the FDA. Related to your question about
17 emergency contraception in the REMS materials,
18 there is information in the Contraception
19 Counseling Guide, so it is recommended. The
20 requirements in there state that these patients
21 should receive emergency contraception counseling.
22 In the patient enrollment form, the patients also

1 attest to stating they've received information on
2 emergency birth control.

3 Does that answer your question?

4 DR. TOLLEFSON: Yes, I think in part. It
5 seems that there's probably some more opportunity
6 for focused, I guess, counseling, and kind of
7 calling it out in a situation where someone might
8 find themselves unexpectedly in a potential
9 unexpected pregnancy situation. So I'm just
10 looking to reasons for why that might not be more
11 specifically counseled or called out in the
12 process, instead of just being a part of a list of
13 recommendations.

14 DR. CRIST: Thank you.

15 DR. LO RE: Just to clarify, though,
16 Dr. Crist, it sounds like -- so just clarify this
17 for me -- emergency contraception education is
18 included in the monthly counseling that patients
19 who can become pregnant receive at the time of
20 picking up their prescription, or not?

21 DR. CRIST: The documents state that the
22 patient should receive emergency contraception, and

1 that this message should be conveyed by a
2 prescriber. There's not like a separate document
3 that goes over emergency contraception details.
4 It's all combined in this contraception counseling
5 guide, which is intended for the prescriber to
6 utilize to counsel the patients monthly.

7 DR. LO RE: And this counseling is uniform
8 across prescribers? It's sort of scripted?

9 DR. CRIST: The counseling guide just gives
10 general information for the prescribers to counsel
11 on.

12 DR. LO RE: Okay. So is there potential for
13 variability, then, across prescribers?

14 DR. CRIST: There could be variability
15 across the prescribers; absolutely.

16 DR. LO RE: Okay. Thank you; appreciate it.
17 Other clarifying questions?

18 (No response.)

19 DR. LO RE: If there aren't any other
20 clarifying questions, I'd like to ask a question.
21 One of our charges for the discussion is ways to
22 streamline the pregnancy registry, and I just note

1 that we haven't had many questions that are
2 directed towards that.

3 So just that this committee can be most
4 effective in trying to address that particular
5 aspect, can I just ask from Mr. Shamp at IPMG, can
6 you give me a sense, or one of your colleagues, in
7 terms of the consenting process for inclusion in
8 the pregnancy registry, could you just take us
9 through the procedure of that? Because if we're
10 going to try to consider ways to streamline, I'd
11 just like to get some sense as to how is that done,
12 and are there potential barriers that could be
13 removed.

14 MR. SHAMP: Jim Shamp from UBC. I'll my
15 colleague, Dr. Ephross, to respond to the question.

16 Dr. Ephross?

17 DR. EPHROSS: Sara Ephross, Syneos Health.
18 This is something that we are actively
19 investigating, possible ways to streamline, but it
20 is important to note that there is patient
21 confidentiality, a patient consent form that
22 includes information about confidentiality, and it

1 takes about 15-to-20 minutes, is my understanding ,
2 to administer by phone. Thank you.

3 DR. LO RE: Just one other follow-up
4 question, Dr. Ephross.

5 MR. SHAMP: Dr. Ephross?

6 DR. LO RE: Just one other clarifying
7 question for you, Dr. Ephross. So this consent
8 occurs at the time that a pregnancy is identified;
9 correct?

10 DR. EPHROSS: That is correct.

11 DR. LO RE: I just am wondering, is there
12 any thought to do consenting for all the
13 participants in the program, or would that just
14 simply be too burdensome? Let me rephrase my
15 question to you.

16 DR. TOLLEFSON: Thank you very much.

17 DR. LO RE: My question is, since it seems
18 like identifying potential patients who become
19 pregnant for consent is a challenge, are there
20 other times at which consent could occur perhaps
21 earlier?

22 DR. EPHROSS: Yes. Thank you for that

1 clarification. Slide up, please.

2 I did want to clarify -- I think your
3 questions have to do with the registry data
4 collection flow --

5 DR. LO RE: Yes.

6 DR. EPHROSS: -- and this slide shows that.
7 So at the time -- excuse me. I want to clarify one
8 thing first, which is that at the time of initial
9 iPLEDGE consent, everyone in iPLEDGE attests that
10 they know that in the event of a pregnancy, their
11 pregnancy information may be shared with the
12 registry. So that is a time where there is consent
13 in terms of just being included in the registry;
14 that is given.

15 Later, as this slide shows -- slide
16 up -- this is Appendix A from the actual protocol,
17 and although the slide is small and hard to read,
18 it shows the different places where different kinds
19 of information are collected. On the left side
20 what I was talking about is the initial information
21 that's given at the time of the initial iPLEDGE
22 program consent. That's on that first line on the

1 left side of this slide, where it says that "This
2 is consent to report pregnancy to the iPLEDGE
3 pregnancy registry." So your information may be
4 shared with the pregnancy registry.

5 Then the second line on that same left side
6 says that there's maternal consent to participate
7 in the iPLEDGE registry, and what that means is
8 once the information is shared with the pregnancy
9 registry, which consent is given to at the time of
10 the initial iPLEDGE program consent, that everyone
11 gives consent for, and what the second maternal
12 consent to participate is, is to collect additional
13 information in the pregnancy registry.

14 DR. LO RE: Okay.

15 DR. EPHROSS: At long last, I've clarified,
16 the difference between those two time points.

17 DR. LO RE: Okay. Thank you very much.

18 DR. EPHROSS: Thanks for your patience.

19 DR. LO RE: A question for Dr. Bautista;
20 it's 12:00. There are three additional hands up
21 for clarifying questions. Point of procedure, can
22 we break and have those questions answered at

1 12:30 pm?

2 DR. BAUTISTA: Yes, that's fine.

3 DR. LO RE: Is that ok?

4 DR. BAUTISTA: Yes, that's ok.

5 DR. LO RE: Alright. So I'm going to just
6 take a note that that is Ms. Robotti, Dr. Katz, and
7 Dr. Hernandez-Diaz.

8 We'll break now, and return at 12:30 for
9 those last three clarifying questions, and then
10 we'll move to the questions to the committee and
11 the discussion. Thank you.

12 (Whereupon, at 12:00 p.m., a lunch recess
13 was taken.)

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A F T E R N O O N S E S S I O N

(12:30 p.m.)

Clarifying Questions to Presenters (continued)

DR. LO RE: We are going to resume the clarifying questions.

Sorry. I got a note that FDA requests one additional minute to provide a point of clarification.

Dr. LaCivita, did you or a member of the agency want to provide that?

(No response.)

DR. LO RE: Dr. LaCivita?

(No response.)

DR. LO RE: Alright. We're going to hold off, then. Wait.

Dr. Manzo --

DR. MANZO: Yes. Hi. I don't know. I think she's having some issues.

DR. LO RE: No worries.

DR. MANZO: We wanted to make sure that it was clear. With the drug-use data, we thought we heard there were some discrepancies or disparities

1 in women not being prescribed isotretinoin, so
2 we're going to have Dr. Pham present some
3 information on use by age and by sex. Thank you.

4 DR. LO RE: Thank you.

5 DR. PHAM: Thank you, Claudia.

6 This is Tracy Pham, FDA. Backup slide 11,
7 please?

8 (Pause.)

9 DR. PHAM: On this slide, we're looking at
10 the number of isotretinoin prescriptions that were
11 dispensed from the retail and mail-order pharmacies
12 in year 2022, and as you can see from this slide,
13 the number of prescriptions dispensed to female and
14 male patients are very similar, 50 percent. Even
15 though we didn't show the age for the male
16 patients, the data also show that the majority of
17 both female and male patients were age 12 to less
18 than 46 years old. We just wanted to make that
19 clarification, and I can take any questions if
20 there are any additional questions from this slide.

21 DR. LIU: Can I ask a quick question?

22 DR. PHAM: Yes.

1 DR. LO RE: Dr. Liu?

2 DR. LIU: Yes. A quick question. Based on
3 the description, I remember that the drug's given
4 to 20 years and older. Why is this less than
5 20 years? Just a quick clarification.

6 DR. LO RE: Dr. Pham, I think the question
7 was the indication for the drug was 12 years or
8 older. Why less than 12?

9 DR. PHAM: These data, we don't have a way
10 to clarify whether there is a data error, so we
11 don't have access to the medical record to confirm.
12 So there might be some dispensing to this age
13 group, but it could be a data error where it's
14 erroneously being captured, but we see that it's
15 very small. It's 0.1 percent.

16 DR. LO RE: Dr. Epps, you had your hand up.
17 Did you want to clarify?

18 DR. EPPS: Yes. Thank you very much.

19 There are exemptions for oncology
20 indications, high-risk neuroblastoma, as one of our
21 expert panelist can attest to, as well some inborn
22 or congenital ichthyosis and some other

1 indications, and those are the patients who are
2 under 12 years of age.

3 DR. LO RE: Great. Thank you, Dr. Epps.
4 Are there questions related to this slide,
5 Dr. Salvas?

6 DR. SALVAS: Yes.

7 Dr. Pham, first of all, thank you for
8 sharing this. I think the data gap that I just
9 want to continue to highlight for us is that, while
10 we have this on a gender basis, the lack of race
11 ethnicity data overlaid on this. I feel like it's
12 holding us back from really being able to
13 understand if the program design is restricting
14 access in a way that is disproportionately hurting
15 specific populations.

16 Another panelist earlier also mentioned
17 managed care as something I think would be
18 interesting, too. Understanding the breakdown by
19 Medicaid exchange commercial, for example, would
20 really help us understand, as we try to contemplate
21 future changes to this program, whether there are
22 certain groups that are disproportionately impacted

1 from an access perspective.

2 DR. LO RE: Ms. Ludwinski?

3 MS. LUDWINSKI: Yes. Thank you. Donna
4 Ludwinski, patient representative. To the point
5 that was just made about the under 12-year-old set,
6 it did make me wonder why the actual indication
7 isn't captured, because if the whole purpose of
8 iPLEDGE is to prevent pregnancy exposure, and yet
9 you have these oncology conditions that are -- I
10 mean, high-risk neuroblastoma affects 3, 4, and
11 5 year olds. Isn't that an unnecessary burden to
12 even have them have to register? By my
13 calculations, the past 16 years have been somewhere
14 between 3[000], 4[000], 5,000 high-risk
15 neuroblastoma alone, aside from these other
16 indications that were mentioned earlier.

17 So I'm just curious. What is the point of
18 having to register these particular indications in
19 the iPLEDGE because it may be creating an
20 unnecessary burden for those oncologists that are
21 prescribing it, and those families. Thank you.

22 DR. LO RE: Dr. Pham, or Dr. Manzo, or

1 Dr. LaCivita, do you want to respond?

2 DR. MANZO: I can try to address that
3 question. We set up the program and, again, these
4 off-label indications are off-label. We do
5 recognize them. We have worked with the
6 company -- the companies -- to allow certain
7 aspects of the program to be exempt for serious
8 medical conditions.

9 For example, some of these patients would
10 fall into the category of cannot get pregnant, so
11 it might be categorized that way. They may also
12 not have to wait if there's a serious medical
13 condition. So they may not be subject to the
14 30-day waiting period if they are a person that can
15 become pregnant. That being said, it is a program
16 that's intended, at this point, for all patients,
17 but we do try to ensure that access for those
18 serious conditions are addressed.

19 DR. LO RE: Thank you.

20 Dr. Katz?

21 DR. KATZ: Thank you. Two questions about
22 the pregnancy registry. First, patients who don't

1 give their consent, are they asked the reason why
2 they're not consenting for their data to be
3 collected? And the second question is, you
4 mentioned it takes about 15 minutes to ask someone
5 to consent. If you were to take out the part about
6 fetal outcomes, I wonder how much that would
7 decrease that time and the complexity of the
8 request for consent. Thank you.

9 DR. LO RE: Is this to IPMG?

10 DR. KATZ: I guess so. Thank you.

11 MR. SHAMP: Jim Shamp with UBC. I will ask
12 Dr. Ephross to respond to the questions.

13 Dr. Ephross?

14 DR. EPHROSS: Sara Ephross, Syneos Health.
15 Regarding your first question about the reason why
16 the patient doesn't give consent, I don't believe
17 that that's something we've looked into yet. The
18 second question about the time for consenting
19 either by phone or the patient consent form by
20 mail, I don't know whether removing the fetal
21 pregnancy and fetal outcome section would reduce
22 the time needed because there is the basic consent,

1 including confidentiality and all the information
2 that we all know that needs to be in a consent form
3 that would still be there, but we are happy to look
4 into both of those suggestions. Thank you.

5 DR. LO RE: Thank you.

6 Just continuing the questions that were left
7 over from the last period, Ms. Robotti, you had
8 your hand up. Do you still have a clarifying
9 question?

10 MS. ROBOTTI: I do. Thank you.

11 I know that recently, this morning, somebody
12 said that half of those that get denied treatment
13 and thereby go into the 19-day hold, half the time
14 the reason is patient comprehension. And I'm
15 wondering -- this is for IPMG -- have you tested
16 the test itself? Have you tested different types
17 of tests to ensure that the issue is really with
18 patient comprehension, or do you just have a test
19 that's not particularly working well, and a
20 different test would result in much higher
21 comprehension numbers and fewer problems?

22 MR. SHAMP: Jim Shamp from UBC. I just want

1 to clarify, the data I gave about the denials was
2 not specific to the reason they did not get their
3 drug in the 7-day prescription window; it was just
4 simply data that showed why when the pharmacy
5 attempted to obtain the RMA, that they were not
6 able to. So that data did not show whether or not
7 the patient did go on to get drug later in that
8 same 7-day window or in a subsequent 7-day window.

9 MS. ROBOTTI: I still would suggest that a
10 close to 50 percent failure of comprehension rate
11 is indicating we have a real problem with education
12 in America or there might be an issue with the
13 test.

14 MR. SHAMP: Yes. Allow me to clarify. That
15 denial reason is not because they failed it; it's
16 because they had not done it. So it's not because
17 they failed it. They just had not completed it.

18 MS. ROBOTTI: You had said that they had the
19 whole 7 days in which to get it right or to pass
20 it, so I took the implication to be that they were
21 failing it, not that they were refusing or not
22 getting around to doing it.

1 MR. SHAMP: Let me just give you an example.
2 A patient goes into the prescriber's office, is
3 counseled, the pregnancy test is entered, the
4 confirmation of counseling is entered, and it
5 increased the 7-day window.

6 MS. ROBOTTI: Yes.

7 MR. SHAMP: The same day, the prescriber
8 electronically sends the prescription to the
9 pharmacy. They may try to obtain the RMA as soon
10 as they receive it. The patient has not even
11 gotten home and to a point where she could have
12 completed the demonstration of comprehension. So
13 at that point, the pharmacy would have received the
14 rejection. So it's not that she didn't take it and
15 failed or took it and failed; it's just that the
16 denial occurs when that has not been completed.

17 MS. ROBOTTI: And is the denial
18 automatically lifted when it is completed or does
19 the pharmacist have to reapply?

20 MR. SHAMP: The pharmacist has to obtain the
21 RMA subsequent to that to ensure that all other
22 safe-use conditions are still met at that moment.

1 MS. ROBOTTI: So there has to be
2 communication back and forth between the patient
3 and the pharmacist to say, okay, I did the test.

4 MR. SHAMP: Um --

5 MS. ROBOTTI: Yes.

6 MR. SHAMP: -- yes, that is if they want the
7 attempt to be completed at that time, yes.

8 MS. ROBOTTI: They certainly do. Okay.
9 Thank you.

10 DR. LO RE: Thank you.

11 The last clarifying question that we had
12 from the prior session was Dr. Hernandez-Diaz. Do
13 you still have a clarifying question?

14 DR. HERNANDEZ-DIAZ: Thank you. It was
15 answered by Dr. Ephross. Thank you very much.

16 DR. LO RE: Okay.

17 These are going to be the last two
18 clarifying questions that we have up because we're
19 going to have to go to -- we have five questions.
20 So please try to keep them brief and direct them to
21 the appropriate parties.

22 Dr. Calis?

1 DR. CALIS: Okay. Just a quick question to
2 follow up on the characteristics of the patients
3 using isotretinoin. You showed the slide with the
4 age groups lumped together, the 12 to 46 year olds.
5 I'm wondering if you have a breakdown of maybe by
6 12 to 16 years of age. I think you would all agree
7 that this is an entirely different population from
8 the standpoint of education programs. And the
9 follow-up question to that would be, is the
10 educational program tailored to a particular age
11 group or is it just all the same?

12 DR. LO RE: I think is Dr. LaCivita, either
13 you or anyone in your group.

14 DR. LaCIVITA: I'm going to ask Dr. Pham to
15 answer the question regarding the breakdown of the
16 age, and then IPMG may need to answer the second
17 part of the question.

18 DR. LO RE: Thank you.

19 Dr. Pham?

20 DR. PHAM: Tracy Pham, FDA. I'm sorry. We
21 did not break down that age group from 12 to less
22 than 46 years old, but that would be something that

1 we can take back and analyze in the future.

2 DR. LO RE: Last clarifying --

3 DR. CALIS: The follow-up would be the
4 education program that was described earlier; is
5 that tailored to a particular age group or is it
6 one educational program?

7 MR. SHAMP: Jim Shamp from UBC. If I can
8 have slide up, please?

9 To answer your question, the demonstration
10 of comprehension questions is not tailored to the
11 age group, but as you can see here and from the
12 data that FDA presented, the largest age group in
13 iPLEDGE is the 16-to-29 years of age. The
14 questions are tailored to the contraception choices
15 made by the patients. Thank you.

16 Dr. Green, last clarifying question.

17 DR. GREEN: Mine was more along the lines of
18 emergency contraception, and I'm not sure who best
19 to direct this to. But earlier, someone had said
20 that it's available on the iPLEDGE website. I
21 spent a little time over lunch looking through,
22 trying to figure this out because, I don't know, I

1 probably have a couple hundred people on
2 isotretinoin right now. We used to get books, and
3 the books had the consent forms in them. Now it's
4 all mainly online unless you print it out.

5 But I took a look at iPLEDGE's website,
6 which is, essentially, if you pull up the one
7 guide, what used to be the book is the guide for
8 patients who can get pregnant, and then in there,
9 there are two consent forms to sign. One is
10 informed consent about birth defects, and line 10,
11 in there it says, "I have received information on
12 emergency birth control."

13 But we don't give out the books anymore
14 because they're no longer printed and mailed, and
15 there's nothing on the website, on the iPLEDGE
16 website, about emergency contraception other than
17 this little throwaway line in one of the consents.
18 So I'm curious where that information might be
19 found so that if we're going to direct patients to
20 it -- outside of our own counseling, if we're going
21 to direct patients to the website, where we would
22 find that.

1 DR. LO RE: Mr. Shamp, I think the question
2 is just one with regards to specific information on
3 emergency contraceptive counseling and information.
4 Can you clarify that, please for Dr. Green?

5 MR. SHAMP: Yes. Jim Shamp from UBC. There
6 is information about emergency contraception in the
7 contraception counseling guide, and that is
8 available to prescribers behind the login. Thank
9 you.

10 DR. GREEN: I'll have to look more for it.
11 I can't find it.

12 **Questions to the Committee and Discussion**

13 DR. LO RE: Okay. The committee will now
14 turn its attention to address the task at hand, the
15 careful consideration of the data before the
16 committee, as well as the public comments.

17 We're now going to proceed with the
18 questions to the committee and the committee
19 discussions. I'd like to remind public observers
20 that while this meeting is open for public
21 observation, public attendees may not participate,
22 except at the request of the panel.

1 Dr. Phil Bautista, the designated federal
2 officer, has some instructions for our voting
3 members.

4 DR. BAUTISTA: Thanks, Dr. Lo Re.

5 This is Phil Bautista, the DFO. We have two
6 voting questions today, questions number 1 and 3.
7 Voting members will be using the Zoom platform to
8 submit their vote for this meeting. If you're not
9 a voting member, we'll be moving you out to a
10 breakout room while we conduct the vote.

11 After the chairperson has read the voting
12 question into the record and all questions and
13 discussion regarding the wording of the vote
14 questions are completed, he'll announce that the
15 voting will begin. For voting members, you'll see
16 a voting window appear where you can submit your
17 vote. As a reminder, there will be no discussion
18 during voting.

19 In order to vote, please select the radio
20 button, which is a round circular button in the
21 window that corresponds to vote, yes, no, or
22 abstain. Please note that once you do submit your

1 vote, you will not be able to change it, so please
2 submit carefully. Once all voting members
3 submitted their vote, I'll announce that the voting
4 has closed, and there will be a momentary pause as
5 we prepare the results and return all non-voting
6 participants into the meeting room, so we ask for
7 your patience at that time; after which I'm going
8 to be displaying the vote results and reading the
9 results from the screen into the record, so the
10 number of yeses, noes, and abstentions; after which
11 the chairperson would go down the list and ask each
12 of the voting members to state their name and how
13 they voted, for the record. Voting members can
14 also state the reason why they voted as they did;
15 however, you should address any subparts of the
16 voting question, if there are any.

17 Are there any questions about the voting
18 process before we begin?

19 (No response.)

20 DR. BAUTISTA: I see none. Since there are
21 no questions, I'll be handing it back to Dr. Lo Re
22 so we can begin with question number 1, our first

1 voting question.

2 DR. LO RE: Great. Thank you.

3 Question number 1 is a voting question. Can
4 we bring up the slide, please?

5 Question number 1 reads as follows. The
6 REMS currently requires a 19-day lockout period for
7 patients who can become pregnant and do not pick up
8 their first prescription of isotretinoin within the
9 7-day prescription window.

10 Question. Should the iPLEDGE REMS retain
11 the 19-day lockout period requirement before
12 patients can take an additional pregnancy test to
13 be eligible to receive isotretinoin? Response is A,
14 yes, or B, no, and if you voted no, please provide
15 your rationale and recommendations on when the
16 additional pregnancy test should occur before
17 starting treatment.

18 Are there any questions about the wording of
19 the question?

20 (No response.)

21 DR. LO RE: If there are no questions or
22 comments concerning the wording of the question, we

1 will now proceed with the voting on question 1.

2 Phil?

3 DR. BAUTISTA: Thanks, Dr. Lo Re.

4 We'll now move all non-voting participants
5 to the breakout room.

6 (Voting.)

7 DR. BAUTISTA: Hi, everybody. This is Phil
8 Bautista, the DFO. The vote is now complete. We
9 have 4 yeses, 17 noes, and 1 abstention.

10 I'll hand it back over to Dr. Lo Re.

11 DR. LO RE: Great. Thank you.

12 We will now go down the list and have
13 everyone who voted state their name and vote into
14 the record. You may also provide justification of
15 your vote, if you wish to. We'll go in order, so
16 Dr. Katz is at the top of the list.

17 DR. KATZ: Ken Katz. My vote was no. I
18 think this places an unduly high burden, physically
19 and psychologically, on our patients. There's
20 likely some, but very marginal benefit to this
21 additional period, and a lack of clear medical
22 incentive and rationale for it, as was stated by

1 many, including the consultant to the IPMG, and it
2 seems arbitrary. Likely, we will miss some
3 pregnancies, and we are missing some already, but
4 the burden is not matched by the benefit. I would
5 support testing it at 7 days, and then 7 days after
6 that to pick up the prescription. Thank you.

7 DR. LO RE: It looks like I am next on the
8 list. I voted yes, based on the data that was
9 presented to the committee and the recommendations
10 by the iPLEDGE sponsors that the 19-day wait remain
11 in place. My consideration is that the benefits of
12 this criterion outweighed the burden.

13 I consider that the 19-day lockout period
14 ensures that patients who can become pregnant do
15 not receive and start taking isotretinoin during
16 their most fertile period. The iPLEDGE sponsor's
17 briefing document and the both the agency's and the
18 sponsor's presentations highlighted for me the
19 important medical rationale for this period and how
20 essential this lockout period is to preventing
21 fetal exposure to isotretinoin.

22 The data presented by the FDA briefing

1 document from one of the studies, and discussed in
2 the roundtable discussion, found that testing for
3 the pregnancy 19 days after conception can detect
4 up to 66 percent of the pregnancies, and I felt
5 that since iPLEDGE year 12, the total of
6 12 pregnancies, having been detected during the
7 19-day waiting period to prevent fetal exposure,
8 and we discussed how low this number was, for me,
9 since treatment with isotretinoin is elective, I
10 felt it was valuable to avoid potential exposure to
11 isotretinoin exposure as much as possible to avoid
12 fetal malformations, spontaneous abortion, or
13 premature birth.

14 Since 15 percent of the patients who can
15 become pregnant missed their first prescription
16 because the 7-day prescription window has expired,
17 mainly during days 3 to 7, this committee discussed
18 interventions like text reminders that could
19 potentially reduce the numbers who miss their first
20 prescription. And finally, I didn't hear any
21 evidence to necessarily consider an alternative
22 time frame as a lockout. Thanks.

1 Next on our list is Dr. Woodward.

2 DR. WOODWARD: This is Maria Woodward. I
3 voted no as well to keeping the requirement for a
4 19-day lockout period. My rationale is that the
5 evidence from the FDA does not align with my
6 understanding of medical knowledge about fertility
7 windows, nor has it been applied broadly as a
8 policy for all teratogenic medicines, so I don't
9 know why the rationale is for this specific
10 medication.

11 The evidence provided by the patient
12 advocacy group really implies to me this is really
13 not an elective need for some patients, as this
14 really improves quality of life not only for their
15 physical health, but also their psychological and
16 mental well-being.

17 I also have concerns that this policy will
18 affect people who have less resources to
19 effectively get to pharmacies to access their
20 medical doctors in timely fashions and to go
21 through the process of an online system rapidly and
22 effectively if they have limited resources. And

1 since we do not have data, my understanding from
2 Health Services Research and from social
3 determinants of health is this will likely affect
4 those most vulnerable to these policy changes,
5 these policies that feel inequitable.

6 I do not have a specific recommendation for
7 the window, but I agree that it's possible that
8 repeating the test immediately would be more
9 conducive, but I do not have a strong opinion on
10 that, as it's not my area of expertise.

11 DR. LO RE: Dr. Dublin?

12 DR. DUBLIN: Thank you. My name is Sascha
13 Dublin from Kaiser Permanente, and I voted no that
14 I do not favor retaining the 19-day lockout window,
15 and I share many of the reasons for that expressed
16 by Drs. Katz and Woodward. It feels arbitrary and
17 not well aligned with current medical knowledge
18 about the fertility cycle.

19 But I think in particular, that it's not
20 tailored, really, to the lived experiences and the
21 physiology of the people who could become pregnant,
22 where some may be on long-acting reversible

1 contraception and others on combined oral
2 contraception, where they're not ovulating, so this
3 whole idea of differential periods of high
4 fertility doesn't apply to them. Then for those
5 who have chosen abstinence, they're equally at risk
6 for all cycles during the treatment window of 5-6
7 months or longer, so it seems arbitrary to single
8 out the very first exposure.

9 I recognize the importance of preventing
10 pregnancies, but I think it's a slippery slope,
11 where the longer you make the lockout period, the
12 more pregnancies you will detect, and that could be
13 stretched into a sort of ridiculous argument about
14 a very, very long lockout period.

15 I think the one option is to completely drop
16 the 19-day lockout period for everyone and allow a
17 pregnancy retest right away. I would also be
18 supportive of a pregnancy retest at 7 days. I also
19 think that if people were very concerned, you could
20 retain the 19-day lockout only for a certain group
21 of users who it feels more relevant to, such as
22 those with contraceptive methods most likely to

1 fail.

2 But pulling all of it together, I felt that
3 considering the health equity issues, the issue
4 about being able to take time off and have
5 resources to navigate complex systems of care, and
6 to have insurance that either generously covers
7 prescriptions or requires prior authorization, that
8 the overall and the best outcome in terms of the
9 balance of the benefits achieved versus the burdens
10 imposed, that the burdens outweighed the benefits.
11 And with a simple yes or no choice, I would vote no
12 to retaining the 19-day lockout.

13 DR. LO RE: Thank you.

14 Dr. Hernandez-Diaz?

15 DR. HERNANDEZ-DIAZ: Hi. Sonia
16 Hernandez-Diaz, and I voted no. In terms of
17 recommendations, I will say the same as Dr. Dublin.
18 I agree that this lockout window, not giving the
19 drug, and doing the pregnancy test, would prevent
20 exposed pregnancies, but it also then prevents
21 exposure to non-pregnancies that would benefit from
22 initiating the drug.

1 So the question is, where do we set the
2 benefit-risk balance? I found that the current
3 period is inconsistent with the rest of the program
4 because the pregnancy rate doesn't seem much higher
5 during those 15 days and during any other 15 days
6 during the program, and we seem to accept the
7 pregnancy rate during other months.

8 Also, those that are totally given the drug
9 and are going to be exposed are not required to
10 have this other pregnancy test, even if they have
11 post-fertility window. So for these reasons, I
12 voted no. However, I do appreciate FDA's intention
13 of having the aim of do not start if pregnant, and
14 therefore avoiding and preventing exposure versus
15 discontinue as soon as possible to minimize
16 exposure in other months, so I understand, their
17 amendments [indiscernible] make sense.

18 I also have knowledge that this stricter
19 first screening might set what's the standard for
20 the rest of the program, so that if we modify, we
21 may have consequences beyond this initial period.
22 So I would suggest that if FDA decides to modify

1 the current program, it will be important to follow
2 up in one or two years, and actually look at the
3 pregnancy rate per month from prescription before
4 and after implementing this change.

5 Finally, I totally agree with whatever we
6 do, that they need to facilitate that a larger
7 proportion does get their prescription within the
8 7 day window. Thank you.

9 DR. LO RE: Thank you.

10 Dr. Liu?

11 DR. LIU: This is Tao Liu. I voted no for
12 two reasons. The first reason is I regard the
13 7 days as a trigger, missing the 7-day prescription
14 window as a trigger for the 19-day lockout. It's
15 not very effective for identifying a subpopulation
16 without a higher risk of pregnancy. Actually, a
17 patient can meet the 7-day prescription window for
18 several reasons, many reasons not related to the
19 pregnancy. That's the first reason. The second
20 reason is during this period, as the data
21 suggested, the pregnancy risk is very low, less
22 than 0.07 per thousand, which is lower than the

1 general population and lower than the yearly
2 applied program. So for these two reasons, I vote
3 no.

4 DR. LO RE: Thank you.

5 Dr. Hertig?

6 DR. HERTIG: John Hertig. I voted yes.

7 I've been listening intently to all these
8 presentations and really am appreciative of
9 especially the public commentary. Yet, despite
10 this, I've yet to hear evidence of a real better
11 alternative to the 19-day lockout or waiting
12 period. We were presented evidence this lockout
13 has prevented fetal exposure to isotretinoin in the
14 past. I voted to continue this approach until the
15 time comes that evidence of a more efficient and
16 equally safe, if not safer, process is presented to
17 us for consideration. Thank you.

18 DR. LO RE: Thank you.

19 Dr. Tollefson?

20 DR. TOLLEFSON: Megha Tollefson. I voted no
21 for many of the reasons that were already stated,
22 but primarily it is one of the largest sources of

1 burden and the biggest impact, I think; a large
2 impact on people not being able to get the
3 medication, especially those that are probably the
4 least resourced. While it has prevented some
5 pregnancies, I think the rationale and the
6 scientific evidence behind that is not strong for
7 the amount of burden that it carries; for example,
8 variability of the menstrual cycle and different
9 methods of contraception. It also cannot account
10 for the instances where someone might fill the
11 prescription but not necessarily start it right
12 away, so there are many variables that fall through
13 in the 19-day period.

14 I think the amount of effort that is
15 directed towards overcoming that burden could be
16 well spent in other more effective ways of
17 preventing pregnancy, such as a focus on emergency
18 contraception, which there's very minimal at this
19 time. I also don't have a very strong opinion on
20 when the pregnancy should be tested again,
21 pregnancy testing, and I think right away would
22 seem reasonable. I also echo that whatever changes

1 we make, I think this is a good opportunity to
2 study the impact, and be more nimble with future
3 potential adjustments. Thank you.

4 DR. LO RE: Great. Thank you.

5 Dr. Hovinga?

6 DR. HOVINGA: I voted no largely for much of
7 the reasons that were already stated. I think it
8 does, particularly for adolescents, induce a
9 significant degree of healthcare burden just
10 because, obviously, this is one of the populations
11 that is most sensitive to acne and the social and
12 the long-term effects of disfiguration, but they
13 also have to rely on multiple other people to help
14 them sometimes get care. So by introducing this
15 with a short period of time, I think that really
16 does impact their access to treatment.

17 The other things that I think are, really,
18 as we were listening to the conversations and the
19 information that was shared, the failure to include
20 different types of contraception and the
21 determination of whether or not there needs to be a
22 waiting period is also a concern, and the lack

1 of -- I mean, I have three daughters, and cycles
2 are highly variable, even in our house. So our
3 understanding of fertility and cycles is limited,
4 and I think that a guesstimate of the waiting
5 period is a little bit more of an assumption rather
6 than a fact, so thank you.

7 DR. LO RE: Thank you.

8 Dr. Green?

9 DR. GREEN: Hi. Brian Green. I voted no
10 for the reasons mentioned. I would support
11 immediate retesting if you miss the 7-day window,
12 and the reason I'm saying that is it was mentioned
13 that, I believe -- and I wrote down -- that
14 15 percent miss that initial 7-day window.

15 Just my experience, I think most people miss
16 that 7-day window for issues completely out of
17 their control, namely insurance issues; waiting to
18 get that prior authorization; as well as pharmacy
19 issues and waiting to order the medicine and it not
20 come in, in time. I think it's completely unfair
21 to hold the patient responsible for things that are
22 completely out of their control. And again, I

1 would support if they missed that 7-day window,
2 just an immediate retest and provide that that is
3 negative, allowing them to pick up the medication.

4 DR. LO RE: Thank you.

5 Ms. Ludwinski?

6 MS. LUDWINSKI: Yes. Donna Ludwinski. I
7 also voted no and agree with all of the points made
8 so far. The only thing I'd reiterate, though, is
9 it said "laudable effort to prevent exposure." As
10 Dr. Liu pointed out, out of 173,000 patients over a
11 5-year period, it did prevent exposure in 12 cases,
12 which is, as he alluded to, a very, very small
13 number.

14 So I agree with what the majority have said
15 already, that this does represent a burden that's
16 probably unreasonable. The other thing I support
17 is immediate retesting before picking up the
18 medication, provided its negative.

19 DR. LO RE: Thank you.

20 Ms. Robotti?

21 MS. ROBOTTI: Hi. Suzanne Robotti. I voted
22 no for reasons that have already been well

1 explained. What has not been said, or that I
2 didn't hear, is that if we had the research, the
3 understanding of why people are missing the 7-day
4 window that pushes them into the 19 days, that
5 would help us make a better decision. I'm
6 unimpressed with the depth of the research that's
7 been offered today. Thanks.

8 DR. LO RE: Thank you.

9 Dr. Cowen?

10 DR. COWEN: Hi. I voted no as well for many
11 of the similar reasons. I think there is a very
12 compelling data-driven case that was made for the
13 burden that this lockout puts on 15 percent or more
14 of individuals who can become pregnant, and I was
15 less convinced by the physiologic discussion of the
16 19 days as a specific time period. I don't feel
17 strongly about when retesting should be done, but
18 it would be reasonable certainly to do an immediate
19 retest.

20 DR. LO RE: Thank you.

21 Dr. Rasmussen?

22 DR. RASMUSSEN: Yes. I voted yes. I am

1 committed to reducing barriers and burden of
2 getting people onto this medication, and I know
3 that it can be life-changing, but I feel like this
4 is a last opportunity. I know that the number of
5 pregnancies appeared to be low, 12, but we know
6 that that may be an underestimate.

7 I felt like the reminders have not been yet
8 maximized, and we realize that a lot of it is
9 people not completing the comprehension test, or at
10 least that was what I heard, is that that was a
11 frequent reason for the lockout being put in place.
12 I wouldn't be opposed to tailoring that lockout to
13 persons with different methods of contraception if
14 you're on a method of contraception that has a
15 lower risk of pregnancy.

16 To me, it would be really helpful if we had
17 more information from the root cause analysis.
18 Having so little information from that, I guess I
19 agree with Dr. Robotti that I'm concerned that we
20 don't have all the information that we need to make
21 some of these decisions. Thanks.

22 DR. LO RE: Dr. Salvas?

1 DR. SALVAS: Thank you. I voted no. I want
2 to echo the comments of the folks that went before
3 me around the lack of depth and breadth of the data
4 provided today to help make informed choices. I
5 will say on this specific point, it does appear
6 that we do have data to support a change. The
7 limited strong quantitative and medical evidence
8 here, as well as what we do know about the
9 patients -- mainly the significant proportion of
10 treated lives that are using forms of contraception
11 that manipulate the fertile window -- support
12 changing this particular rule to help ensure
13 access.

14 I would be open to further dialogue in a
15 data-driven sense around other devices that could
16 be the same or more impactful here, while also
17 delivering on the commitment to ensuring access.

18 DR. LO RE: Thank you.

19 Dr. DeMarco?

20 DR. McADAMS DeMARCO: Hi. Mara McAdams
21 DeMarco. I voted no, and I agree with the points
22 that have already been raised. I would also like

1 to remind everyone that the absence of data that
2 was presented on disparities does not mean that
3 they're not present, and that any changes that are
4 made to the iPLEDGE program should be made in
5 parallel to new data collection on race and social
6 determinants of health. This way we can ensure
7 that the changes we're discussing today, as well as
8 any future changes, are not exacerbating potential
9 disparities. I would also support immediate
10 retesting, as has been previously described by
11 other colleagues.

12 DR. LO RE: Thank you.

13 Dr. Schreiber?

14 DR. SCHREIBER: Thank you. I also voted no.
15 I considered the data and the narratives
16 holistically that were presented and the risk
17 factors for pregnancy while on treatment. Similar
18 to Dr. Tollefson, I would consider, and recommend
19 considering, that investment into the attention of
20 different risk factors for pregnancy be a focus as
21 opposed to this wide swath that all individuals who
22 can become pregnant are being treated the same way,

1 because risk factors for pregnancy are not the
2 same, and I worry about that being sex and gender
3 discriminatory in this setting.

4 I think that one approach for retesting
5 could be immediately before starting treatment, and
6 that a less paternalistic approach to that would be
7 to enable patients to complete a home pregnancy
8 test before initiating treatment. Thank you.

9 DR. LO RE: Thank you.

10 Dr. Huybrechts?

11 DR. HUYBRECHTS: Krista Huybrechts. I voted
12 no for, actually, all the same reasons that have
13 already been mentioned. To me, it felt that the
14 biological rationale behind the 19-day window seems
15 weak. As was pointed out during the discussion, if
16 conception occurs towards the end of that fertile
17 window, we would most likely not be able to pick it
18 up because it's really the earliest time, giving us
19 a little bit of a false sense of reassurance, and
20 this coming at the cost of reduced access for a
21 substantial proportion of patients -- 15 percent
22 was mentioned -- and often through no fault of the

1 patient himself.

2 So it was mentioned a number of times that
3 the main reason, or one of the major reasons, is
4 really not completing the comprehension questions.
5 Given that that's just a small list of questions,
6 it seemed that it's really a matter of the patient
7 remembering to do it before going to pick up that
8 prescription. So solutions maybe like a text
9 reminder or so, I'm wondering whether that could
10 help with getting that proportion down.

11 The main reason I lean towards no, it's been
12 pointed out a number of times that this is the last
13 opportunity to prevent exposure but, to me, the
14 risk of pregnancy is no greater with that first
15 prescription as it is to when patients are already
16 on treatment. And if they've had negative
17 pregnancy tests during treatment, like with each
18 renewed prescription, that risk to become pregnant
19 would be the same. So I really failed to really
20 grasp the difference between a differential
21 treatment for that first prescription versus
22 subsequent prescriptions.

1 That's also why, in terms of when to do the
2 testing, I would be leaning towards doing it the
3 same way as it's done during the treatment, and
4 that is right away, when they missed a window, do
5 another pregnancy test and reopen the 7-day window.
6 Thank you.

7 DR. LO RE: Thank you.

8 Dr. Berenson?

9 DR. BERENSON: Yes. I voted yes. The
10 reasons for have already been stated by Dr. Hertig
11 and Dr. Rasmussen. I will say that it was a
12 difficult question to vote on because of the way it
13 was worded. We were only given two choices -- or
14 three -- yes, no, and abstain. It seems to me that
15 there are many different ways that this problem
16 could be solved with a more personalized approach
17 to who the patient is and what type of method they
18 are using. But given the lack of that detail, it
19 was either keep the rule or throw out the rule
20 altogether, and it is clearly benefiting some
21 patients, more likely those that are using
22 abstinence or birth control pills that can be less

1 reliable. So I voted yes so we could benefit those
2 patients, although I do feel it creates a barrier,
3 and other solutions should be examined.

4 DR. LO RE: Thank you.

5 Dr. Calis?

6 DR. CALIS: Karim Calis from the NIH, and I
7 voted no. Quite frankly, I was very skeptical
8 about the rationale for the 19-day lockout. I
9 think it's somewhat arbitrary and a rather archaic
10 concept. I think that any purported benefits of a
11 19-day lockout can likely be replicated by
12 optimizing the pregnancy testing window, and I also
13 agree with Dr. Schreiber's comments specifically
14 about home pregnancy testing prior to initiating
15 treatment.

16 DR. LO RE: Thank you.

17 Dr. Delost?

18 DR. DELOST: Kort Delost here. I voted no
19 for the same reasons most of the others said, but I
20 also took into account all the prior comments
21 before our meeting, as well as the organizational
22 comments that were listed today from the day-to-day

1 practitioners that come across this and see the
2 problems that have developed from that.

3 I also believe in the law of diminishing
4 returns, and only 12 makes me wonder if that would
5 have never been in place, if there would have been
6 a large difference between that and what we
7 actually see now as far as the number of
8 pregnancies. So I believe if the burden was higher
9 on the people trying to get the medication than the
10 program was helping, I would probably retest if
11 that 7-day window was going to be passed.

12 DR. LO RE: Great. Thank you.

13 Lastly, Dr. Chambers?

14 DR. CHAMBERS: Yes. As the only one to
15 abstain, I just wanted to check did you want the
16 rationale behind the abstention?

17 DR. LO RE: Yes, please.

18 DR. CHAMBERS: Okay. I think Dr. Berenson
19 said it quite well, that confronting the discrete
20 choice between removing something altogether or
21 maintaining it without considering alternatives
22 left me motivated, both by all of the wonderful

1 reasons for the program and the limitations and
2 potential inequities that result from it. I also
3 thought that the lack of data on the specific
4 reasons why people missed that 7-day window might
5 lead us to better concentrate on our efforts on
6 making the lockout window as rarely used and rarely
7 seen as possible, rather than choosing either to
8 focus on its continuation or its removal.

9 So that's where I ended up feeling most
10 comfortable, based on my limited expertise in
11 certain matters, with an abstention.

12 DR. LO RE: Great. Thank you.

13 So I will summarize. Those voting no felt
14 that the burden outweighed the benefit,
15 particularly an undue burden for adolescents; that
16 the pregnancy risk was deemed to be very, very low;
17 that there was a lack of clear scientific and
18 biological rationale, and that in some instances,
19 it felt arbitrary. There was acknowledgement that
20 this approach only picks up 66 percent of
21 pregnancies and it may miss pregnancies, and
22 particularly there was a feeling that this

1 disproportionately affected people with less
2 resources and those who were most vulnerable.

3 There was a feeling it was not aligned with
4 medical knowledge of fertility cycles and didn't
5 take into account the different risks experienced
6 by patients who can become pregnant. There was a
7 number of comments about the timing of retesting;
8 that it should occur immediately if the patient
9 misses the 7-day window. There was a question
10 about where should the risk-benefit balance be.
11 There was a comment that the pregnancy rate was
12 really not much higher during that 19-day -- it was
13 very low during that 19-day period, and that any
14 changes that would potentially be implemented
15 really may have important consequences, and that it
16 will be important to general important data to look
17 at the pregnancy rates per month before and after
18 if any changes are implemented.

19 There was consideration regarding examining
20 differences in the risk factors for pregnancy,
21 better understanding the amount of effort in
22 examining emergency contraception use and

1 counseling, and there were two comments about
2 enabling patients to be able to complete home
3 pregnancy testing during this period, and in
4 essence, that there really was a lack of data and
5 more research was needed on this 19-day lockout
6 period.

7 Those who voted yes felt that the lockout
8 has prevented fetal exposure; that there was no
9 evidence in support of a better alternative; and
10 that this was a last opportunity to assess
11 exposure. The one abstention commented that really
12 confronting this discrete choice was challenging,
13 and that there were numerous data limitations on
14 the inequities and a lack of data on the reasons
15 for the lockout.

16 We will now move to question number 2.
17 Question number 2 is a discussion question. Could
18 we have question number 2 up? Thank you.

19 It reads as follows. Discuss whether the
20 REMS should require pregnancy tests be completed in
21 a medical setting, such as an office or a
22 laboratory, rather than at home.

1 May I ask, are there any questions about the
2 wording of this question?

3 (No response.)

4 DR. LO RE: If there aren't any questions or
5 comments -- two questions I see.

6 Dr. Hovinga?

7 DR. HOVINGA: Sorry. This is Collin
8 Hovinga. My question about this one was that there
9 was a lot of discussion previously about CLIA
10 versus non-CLIA testing. Does it matter here or is
11 that something we're concerned about now?

12 DR. LO RE: Can I direct this to
13 Dr. LaCivita, the question about consideration of
14 CLIA testing.

15 DR. LaCIVITA: Correct. So regarding
16 whether it could be completed in a medical setting,
17 most prescribers' offices do not have the ability
18 to do CLIA testing, so I think you could consider
19 that; whether it should or should not be CLIA
20 testing required, then also consider whether it's a
21 medical setting or at home. Thank you.

22 DR. HOVINGA: Thank you.

1 DR. LaCIVITA: Does that help?

2 DR. HOVINGA: Yes. Thank you.

3 DR. LO RE: Okay. Seeing no further
4 questions, if there are no other questions or
5 comments, we'll now open this question for
6 discussion.

7 Dr. Atillasoy, do you want to start us off?

8 DR. ATILLASOY: Sure. Thank you, Dr. Lo Re.

9 I just want to first say as the non-voting
10 industry rep, I wanted to comment that my opinions
11 are my own. I don't mean these to reflect the
12 opinion of IPMG nor of Jazz Pharmaceuticals, where
13 I'm the chief regulatory and safety officer, and
14 Jazz does not manufacture isotretinoin; nor those
15 opinions represent the University of Pennsylvania
16 Department of Dermatology, which is where I
17 trained, and I have a voluntary teaching
18 appointment; nor those opinions of the AAD, and
19 I've been a proud member for almost 30 years.

20 As I mentioned yesterday, I've had the
21 pleasure of prescribing Accutane for a few decades.
22 Now, it may not be the thousands, but it's been in

1 the hundreds. I just want to also preface my
2 comments that I think it is a wonder drug in many
3 ways, but I'm also very much aware of the risks and
4 the severe consequences, and the dangers of the
5 product, as we've been discussing. And I'd like to
6 remind everybody about the other dangers and risks
7 of isotretinoin, and I welcome everyone to review
8 the U.S. prescribing information in great detail.

9 So in terms of this issue, as a
10 dermatologist, I remain very concerned about some
11 of the movements, which I find personally somewhat
12 irresponsible. I've heard lots of comments,
13 including the public forum and from my fellow
14 dermatologists. I fully understand the
15 frustrations and issues; however, a lot of what I'm
16 hearing is talking about logistics, about
17 convenience, about insurance. I think we all need
18 to remind ourselves this is really all about
19 safety.

20 For those of us that have been in the
21 industry and focused on the development of new
22 medicines, new vaccines, and to focus of course on

1 safety, in terms of REMS, I need to remind
2 everyone -- and Dr. Crist from the FDA brought it
3 up as well -- the intent is that there will be some
4 burdens with REMS. So people are conflating and
5 commingling the issue of benefit-risk versus the
6 burdens that are associated with the REMS.

7 I personally want to commend the FDA, and
8 the manufacturers, and the academy because when I
9 look at the data that's been in front of us, I
10 think that this program has been a tremendous
11 success. The rates of unintended pregnancies are
12 extremely low relative to other countries. The
13 prescriptions I am seeing, the data that was shown,
14 we have gone from 1 million to 2 million
15 prescriptions, and yet we maintain this low rate,
16 so I find it to be very successful.

17 I do agree, by the way, with the prior
18 comments that you made, Dr. Lo Re, and others in
19 terms of why it should be retained, the 19-day
20 wait, but regardless, I agree with the comments
21 that there should be a testing immediately if
22 someone misses the 7-day window.

1 In terms of the home pregnancy tests, I
2 remain concerned. From my own experiences, there's
3 a tremendous benefit for patients being seen
4 ideally in person, not only for the pregnancy
5 testing and the REMS requirements, but also to
6 assess for suicidality, depression, potentially
7 liver testing and other chemical panels. These are
8 things that are best deciphered in person, again,
9 understanding the benefits of telemedicine.

10 So I want to make sure that we retain this
11 successful program and that this product can be
12 distributed. In fact, for all the reasons that
13 have been stated for the last two days, it's
14 important that we maintain the REMS program so that
15 the product can be available with those 2 million
16 prescriptions to serve the public and serve
17 patients.

18 I do think some of the discussions about
19 disparities and inequities, those are really
20 important. I want to make sure that we're not
21 conflating and commingling issues. As a
22 dermatologist, I would ask others to really

1 consider how much of this is directed at the REMS
2 versus other ways that there can be access, not
3 only for isotretinoin, but to dermatologists and
4 others that should be able to adjudicate the
5 benefits and the safety of their products.

6 So for all those reasons, I strongly
7 encourage us to -- post-pandemic, post-COVID -- not
8 allow for in-home testing. I am totally fine with
9 in-the-office testing as well. Thank you.

10 DR. LO RE: Dr. Hernandez-Diaz?

11 DR. HERNANDEZ-DIAZ: Hi. Sonia
12 Hernandez-Diaz. I was going to actually follow up
13 this point of discussion. When we started the
14 meeting yesterday, I had in mind that to prescribe
15 this medication, that dermatologists and other
16 healthcare providers were going to actually want to
17 see the patients once a month to evaluate and
18 counsel. And then, of course, that's a great time
19 to have a pregnancy test, better than having to
20 have another extra visit to a lab. That I have no
21 question.

22 But as we were listening to the

1 presentations today and yesterday, there seems to
2 be a tendency to have more remote contacts, and
3 telemedicine seems to be a reality and seems to be
4 very useful, at least for some patients. So if
5 that's the case, if we cannot ignore that
6 telemedicine is going to happen, should we consider
7 smart ways to have the pregnancy test at home that
8 would still make it unlikely to be falsified?

9 With COVID, we learned from the COVID tests
10 themselves; not from the pregnancy tests during
11 COVID, but from the COVID tests, we were able to do
12 remotely with supervision to be allowed to travel
13 and so forth, and if there is something not as
14 ideal as having it in the office but that could be
15 done with supervision and with assurance.

16 Like, for example, could the prescriptions
17 be provided with a pregnancy test that has a
18 barcode on the name that could be shown to a system
19 remotely before and after taking the test that
20 might be considered sufficient for reassurance to
21 the prescriber, or could we allow pregnancy tests
22 being conducted at the pharmacy before picking up

1 the prescription, and not to transfer the burden to
2 the pharmacists in this case.

3 I think discussing ways where the pregnancy
4 tests can be inserted in a plan, like telemedicine
5 that is going on, and it is a reality, it could be
6 useful to consider.

7 DR. LO RE: Thank you.

8 Dr. Katz?

9 DR. KATZ: Ken Katz. I would support
10 continued home pregnancy testing. I think office
11 testing has a high burden that's disproportionate
12 on lower income people, and people who are farther
13 away from a place where they can get tested, that
14 would really restrict access to the medicine.

15 I think that there was no uptick during the
16 public health emergency was important, and although
17 there was some falsification reported, there does
18 not appear to have been an uptick. There was a
19 comment made that it would be difficult for
20 providers, dermatologists or others, to interpret
21 home test results, and I think we've heard that
22 that's not the case.

1 The proposed workarounds with names and
2 dates sound reasonable. There are other
3 technological fixes that are possible, including
4 barcodes or other possibilities that could be
5 studied or implemented. The IPMG could break out
6 the data on home versus other testing, and if it
7 turns out that there's an uptick, this issue could
8 be revisited.

9 I think it is ok to study it over time, but
10 just to give you a sense of timelines at which
11 things happen, I just want to bring up the example
12 of the gender-neutral language issue, which is
13 something that I proposed in an article that was
14 published in January of 2016. There was a meeting
15 with FDA about this issue in April of 2016. There
16 was no substantive opposition by FDA or other
17 stakeholders to that suggestion, and it took about
18 five and a half years to implement that change, and
19 that was just a language change. I can't imagine
20 how much time it would take to study and implement
21 something more complicated like this. I think it's
22 not worth the wait. A much lower second choice

1 would be to allow for testing in a CLIA-waived
2 environment. Thank you.

3 DR. LO RE: Ms. Robotti?

4 MS. ROBOTTI: Hi. Suzanne Robotti. I have
5 to advocate for continued strong oversight for
6 pregnancy testing. So many of the people -- the
7 young women and those who can become pregnant who
8 are taking this drug -- are at ages where they
9 potentially take risks that would not seem
10 appropriate to somebody who's perhaps more mature.
11 And I think that the consequences of risk taking,
12 even if it is age-appropriate -- people do take
13 risks at certain ages that they wouldn't at
14 others -- the consequences are severe.

15 I'm going to say it again. In the America
16 that we live in today, elective abortions are
17 becoming more and more difficult, and that is the,
18 by far, number one choice of action, according to
19 the information we're given in this meeting, of
20 people who find themselves pregnant while taking
21 this drug.

22 That said, there are other ways that have

1 not been explored to make pregnancy testing less
2 difficult. We're getting offered very
3 black-and-white choices here, or left-and-right
4 choices, however one wants to show the dichotomy.
5 We've all agreed, I think, that CLIA-certified
6 pregnancy tests are probably not necessary, but
7 home tests are way too easy to falsify. So what
8 are the other options? I don't know. Why can't a
9 walk-in clinic provide the oversight for
10 appropriate testing, even using a home testing kit?
11 It's just the oversight that you need and the
12 freshness of it, or can someone develop home
13 pregnancy tests that are extremely difficult to
14 falsify or more difficult to classify than seem
15 worth it?

16 Regarding telemedicine with this particular
17 drug, I had not realized until Dr. Atillasoy -- I
18 hope I said his name correctly -- spoke, which I
19 find him very compelling, about the particular
20 risks of this drug on other side effects,
21 psychological side effects, and how important it is
22 to see patients, with drugs that have this effect,

1 in person, on a regular basis. And that's what I
2 have to say. Thanks.

3 DR. LO RE: Thank you.

4 Dr. Green?

5 DR. GREEN: I just wanted to support being
6 able to continue to do home pregnancy tests. Any
7 system you put into place, you can find a way
8 around. There are people all the time in the
9 military, when they're being brought in, who bring
10 in bags of urine just so they don't fail their drug
11 tests so they can actually come through MEPS.

12 We are not following these people into the
13 bathroom to watch them actually pee on the stick or
14 in the cup. We're not doing any of that, and at
15 some point we have to say, we've done what we can
16 and patients are going to do what they're going to
17 do. At Hershey, what we have people do for
18 telemedicine is take the stick, write their name,
19 write the date on it, and then send a picture of
20 that the same day as their visit. That way we have
21 the pregnancy test the same day that we've ok'd
22 them on iPLEDGE, assuming it's negative. That

1 seems to be a pretty good way, as was mentioned
2 this morning in a follow-up article that was
3 published, as a way around the issue with people
4 trying to falsify these things.

5 This system, as has been pointed out, has
6 done a great job of keeping the pregnancy rates
7 extremely low, but it has not driven them down to
8 zero. People's behavior is what it is. People are
9 going to do what they're going to do, and a lot of
10 the people we rate this medicine for are teenagers.
11 All of us either have teenagers or at some point
12 were once teenagers. Teenagers do not make the
13 best decisions.

14 I think allowing this to continue to happen
15 at home is important, to continue with the benefits
16 of telemedicine, and I definitely think that we're
17 never going to come up with a foolproof system.
18 So, again, bringing people in is burdensome, and
19 it's costly. I can tell you, at our hospital,
20 unfortunately, some people get a bill for \$35 for a
21 pregnancy test. That's one done in the office, not
22 done at the lab. Depending on their insurance, you

1 can get a pregnancy test at the dollar store that's
2 every bit as sensitive, and I think it should be
3 allowed to be continued to be done at home.

4 DR. LO RE: Thank you.

5 Dr. Rasmussen?

6 DR. RASMUSSEN: Yes. I'm in support of
7 allowing home pregnancy tests with some of the
8 caveats; for example, Dr. Green's recommendation,
9 having the person's name on it and having the date
10 so that it decreases the risk of falsification.

11 My sense is -- we don't have data on
12 this -- but people are not wanting to pay for
13 another home pregnancy test or didn't have one at
14 home. If they have one there, I'm hoping that will
15 make it less likely they would want to falsify it.
16 I think that's reasonable. I think with the use of
17 telemedicine, it decreases barriers that people
18 might not be able to get to the doctor to do a
19 pregnancy test and to pay for it. Thanks.

20 DR. LO RE: Great. Thank you.

21 Dr. Salvas?

22 DR. SALVAS: The first comment I have is

1 related to what I think feels to be a lack of data
2 shared around this particular topic for us to be
3 able to weigh in. I think it would be helpful to
4 really understand the performance of the at-home
5 testing versus the traditional. I don't believe
6 the breakdown of our experience over the last few
7 years with the iPLEDGE program was provided around
8 which patients were using at home versus an office.
9 Maybe it was all, but it wasn't covered.

10 The second thing I just want to share is
11 that some of the managed care elements that we
12 should consider are particularly around the
13 financial burden of at-home testing. The coverage
14 of this is going to vary, and if we're talking
15 about socially vulnerable populations, their
16 ability to afford monthly testing is something that
17 we should consider.

18 DR. LO RE: Thank you.

19 Dr. Tollefson?

20 DR. TOLLEFSON: I also support continued use
21 of home pregnancy tests with caveats as well, for
22 many that have already been stated. I have to

1 admit that it makes me slightly uncomfortable, and
2 probably all of us, given the teenage population
3 and what's been stated accurately about teenagers,
4 but I think the data reassures me that over the
5 time of the pandemic, we didn't have any higher
6 pregnancy rates. Even though we don't know how
7 many home pregnancy tests were used, I think
8 collectively from our experience, we know it was
9 commonly used.

10 So I would support its continued use with
11 the caveat that we now actually capture what type
12 of pregnancy test was done, and then we can more
13 effectively study the rates of pregnancy moving
14 forward, and with mitigation falsification
15 strategies.

16 DR. LO RE: Thank you.

17 Dr. Hertig?

18 DR. HERTIG: John Hertig. As others, I
19 support home and other CLIA-waived testing options,
20 including those office-based testing options. As
21 others have mentioned, the iPLEDGE administrators,
22 the agency should explore and test our telehealth

1 and remote options for patients not only to support
2 their increased access to health professionals but
3 also decrease burden, while still maintaining the
4 integrity of the process, and really ultimately
5 patients' safety. So I think we're headed in this
6 direction. If we can continue to provide access
7 while maintaining the integrity, that's going to be
8 key because, ultimately, the patient's going to
9 benefit. Thank you.

10 DR. LO RE: Great. Thank you.

11 Dr.. Woodward?

12 DR. WOODWARD: Thank you. Maria Woodward.

13 I agree with many of the panelists and committee
14 members that the availability of pregnancy tests
15 are more widely [indiscernible] than CLIA-certified
16 labs is important. Certainly, number one, having
17 it available in providers' offices who do not have
18 access to CLIA testing is reasonable, and I agree
19 with that as a recommendation, but beyond that,
20 also that telemedicine delivery of testing can be
21 done safely and effectively. But as others have
22 alluded to, this should be evaluated by analysis.

1 I will also say that I have a hat as the
2 director of an ehealth program, and I run a large
3 telemedicine program at our Veterans
4 Administration. I'm not representing neither of
5 those bodies during the call, but I want to be
6 clear that telemedicine is just a care delivery
7 method, and it's a safe and effective care model,
8 so the counseling that was discussed and the
9 monitoring of patients can be done very safely and
10 effectively with telemedicine.

11 As a matter of fact, we usually get better
12 adherence to visits for certain populations who can
13 afford the access of telemedicine capabilities.
14 And as many physicians know, most of psychiatry has
15 gone to a telemedicine model, so I disagree with
16 the assertion that an in-person visit for safety
17 and communication is necessary because I think, as
18 our psychiatry colleagues have really now moved
19 almost exclusively to telemedicine for their care,
20 administering safe and effective communication and
21 monitoring can be done through a telemedicine
22 platform.

1 I do want to briefly comment on the cost
2 analysis that's coming up. I don't think that's a
3 primary argument here, as we do really focus on
4 safety for these committees. But if a cost
5 analysis is done about monthly cost testing at
6 home, that analysis should also look at the co-pays
7 and the high deductibles that come with having to
8 come into a doctor's visit for a monthly test. The
9 pregnancy test at home is probably very low
10 compared to how much you have to pay for an
11 in-office visit. I don't know the details around
12 this, but I think if a cost analysis is done, it
13 should be reflective of the entire scope of cost.
14 Thank you. I'm done.

15 DR. LO RE: Thank you.

16 Ms. Ludwinski?

17 MS. LUDWINSKI: Yes. Thank you. Donna
18 Ludwinski, patient representative. I support the
19 home pregnancy tests as well, and the one issue I
20 want to point out we discussed a little bit
21 yesterday was the low rates of post-treatment
22 pregnancy tests. The FDA review team recommended

1 continuing that, but we really didn't come to any
2 conclusion on how to encourage that, especially
3 given that pretty close to 10 percent of the
4 pregnancies in 2021 were in that category, even
5 though only 5 percent completed both pregnancy
6 tests.

7 So my question would be, could that be
8 incentivized? Clearly, home testing could be much
9 less burden and perhaps an incentive by itself. I
10 don't know who would pay for it, but a \$25 gift
11 card to the second one might increase that
12 compliance to that requirement. Thanks.

13 DR. LO RE: Thank you.

14 Dr. Dublin?

15 DR. DUBLIN: Thank you. I support the
16 continued availability of home pregnancy testing as
17 an option for patients who choose that, for many of
18 the reasons that have been discussed. I especially
19 want to highlight the issues with logistical
20 difficulties and accessing even a CLIA-waived
21 provider's office; the story we were shown during
22 the public comment of a teen who lived one and a

1 half hours drive away from the office of the
2 provider. Then in addition, there can be
3 challenges with teenagers, even if they live close
4 to a provider, being able to physically get
5 transportation and a parent having to take time off
6 work to drive them to the office, even if it's in
7 the same city. Those are burdens that really need
8 to be considered.

9 I really appreciate the points that were
10 made about the risk of falsification, and I think
11 that many people have put out really great ideas
12 about how to mitigate those. I think one option
13 would be to do a pilot program for a smaller group
14 of patients and study it, but I also appreciate the
15 comment that was made about the risk of long-term
16 delays.

17 I think we clearly heard from patients in
18 the written comments that were available in the
19 docket about how much more pregnancy testing meant
20 to them, and I think we need to be aware and
21 respectful of the burdens. I totally agree that
22 it's ok for REMS to place some burdens on people,

1 but I think that home pregnancy testing can be done
2 in such a way that it can be balanced, reducing the
3 burden to some degree while adding some mitigation
4 measures.

5 I think that the concerns about suicidality
6 or depression, those were very briefly touched on
7 in one of the presentations with public comment
8 this morning, and evidence was presented that this
9 really is an issue that has been considered and
10 evaluated, and shown not to be a valid issue; that
11 in fact suicidality and depression rates were lower
12 in people who received appropriate treatment.

13 I think, again, we've just heard from many
14 people on this panel about the rise of telehealth,
15 which you've seen in many aspects of care,
16 including psychiatry, and including, in my primary
17 care setting, the cat is really out of the box in
18 terms of telehealth, and I think we need to adapt,
19 and the REMS needs to sort of recognize how care is
20 being delivered in the current era. I also am
21 influenced by the fact, as other people have
22 mentioned, that we didn't see a big spike in home

1 pregnancies reported on this drug during the time
2 period when we all believed there was a big move
3 towards home testing in this population. Thank
4 you.

5 DR. LO RE: Thank you.

6 Dr. Huybrechts?

7 DR. HUYBRECHTS: Krista Huybrechts. I'd
8 like actually to pick up on the last issue that
9 Dr. Dublin just mentioned, and I agree. Several of
10 the committee members have made a very strong case
11 for continuing the home testing in light of the
12 shift that we see towards telemedicine, but the
13 reassuring data have been mentioned a number of
14 times that during the pandemic, we haven't really
15 seen an uptick in terms of unwanted pregnancies in
16 that regard.

17 I'm just wondering whether we also need to
18 take into consideration that the pandemic was a
19 very different unusual time period, and I'm not a
20 hundred percent sure that we can extrapolate that
21 towards the post-pandemic period. I mean, there
22 was much less social contacts and so forth.

1 I think if we're continuing to provide the
2 option of home testing, I think what will be really
3 important is to use that as an opportunity to
4 collect data and find out from those that do the
5 home testing versus those that opt to go to the
6 physician's office -- monitor over time whether we
7 really see the continued trends that seemed to be
8 there during the pandemic -- that there is no
9 difference in terms of pregnancies being reported;
10 then use that time period as well to explore other
11 ways, such as the one that have been mentioned
12 already, like can we provide a little bit more
13 oversight, and maybe it is being done right now;
14 and can we learn from some of the COVID testing
15 itself and so forth.

16 So I definitely see a strong case for
17 continuing the home testing, but I really think
18 that continuing to collect data and really
19 understand its implications will be important in
20 the coming years. Thank you.

21 DR. LO RE: Thank you.

22 Dr. Calis?

1 DR. CALIS: Karim Calis from the NIH. I
2 think that home pregnancy testing is a very
3 effective tool, and I think that FDA should not
4 require that pregnancy tests be completed
5 exclusively in a medical setting.

6 Now, having said that, I would say that home
7 pregnancy testing should be used to help
8 supplement, not replace, in-office testing for some
9 of the reasons that were articulated earlier with
10 regards to medical monitoring, and education, and
11 what-have-you, and I think that's very, very
12 important. So it should be used to help fill in
13 the gaps, especially in the context of what we
14 talked about earlier.

15 If FDA were to eliminate the 19-day lockout,
16 that would necessitate, to my mind, in-home testing
17 as an additional tool to help fill in the gaps
18 there. So I think we should find creative ways to
19 use pregnancy testing at home in a way that might
20 complement testing in a medical setting.

21 DR. LO RE: Thank you.

22 Dr. Cowen?

1 DR. COWEN: Thanks. Ed Cowen, NIH. I also
2 agree that home testing with appropriate safeguards
3 in place, to minimize what is going to be human
4 nature to, in some cases, alter tests, be accounted
5 for.

6 The other point that I want to bring up,
7 which I had brought up yesterday as well, is I
8 think we need to be as forward-thinking as possible
9 about how medicine is evolving, and have our eyes
10 open that we're not going to go back to the year
11 2000 and 2005.

12 The other thing that I think is relevant
13 perhaps for the non-dermatologists to understand is
14 laboratory monitoring has changed dramatically for
15 Accutane prescribing, so there's now good evidence
16 that monthly laboratory monitoring of things such
17 as LFTs is not necessary. It used to be that a
18 CLIA-certified urine pregnancy test was part of a
19 monthly trip every month for the patient and their
20 parents to have their blood work done. That's not
21 necessarily the case anymore. So we're talking
22 about having them come into a laboratory

1 specifically in some settings for just a urine CLIA
2 test.

3 DR. LO RE: Great. Thank you.

4 So let me summarize this discussion by the
5 committee. I'll start off by saying that there
6 were concerns that there was a general lack of data
7 on performances of home pregnancy testing versus
8 testing in the medical setting. There was really a
9 strong feeling that the rise of telemedicine makes
10 home pregnancy testing more accessible, more
11 feasible, particularly for marginalized vulnerable
12 individuals and those who are far away from
13 clinical settings.

14 There were a number of discussions that were
15 centered around workarounds to make the pregnancy
16 testing at home a bit more rigorous, acknowledging
17 concerns about falsification. There were
18 discussions about including names and dates, and
19 photographing that, providing pregnancy tests with
20 barcodes, and then having those uploaded onto the
21 iPLEDGE website.

22 There was acknowledgment that what was seen

1 as reassuring, that despite the availability of
2 home pregnancy testing during the COVID-19 public
3 health emergency, there really was no increase in
4 pregnancy rates observed. There really was a sense
5 that it was important to continue home pregnancy
6 testing, acknowledging the benefits of telemedicine
7 as a care-delivery method and the financial burden
8 of having patients having to come in to the medical
9 setting, and whether that would be covered,
10 depending on insurance, and that that might vary,
11 and that telehealth will increase access and reduce
12 barriers and disparities.

13 There was some disagreement on in-person
14 visits and patient safety. There was a comment
15 that there was a tremendous benefit for patients
16 being seen in person in the medical setting to
17 assess other factors like mental health, but it was
18 also brought up that psychiatrists currently use
19 telemedicine quite extensively, and that as a
20 consequence, in-person visits may not necessarily
21 being necessary for patients' safety.

22 I will note that cost analyses were

1 recommended, and that consideration for costs
2 in-person and in-office visits versus home testing
3 would really be important, and that, additionally,
4 any changes going forward in home pregnancy
5 testing, or if it's maintained, really need to
6 understand and get data on the pregnancy rates
7 outside as we emerge from the public health
8 emergency because the data within the COVID-19
9 pandemic may not necessarily generalize. I'll just
10 conclude that there was a general sense that,
11 really, we need to be forward-thinking about how
12 medicine is evolving with telemedicine to allow
13 increasing access to medical therapies.

14 I'll stop there, and we will proceed to
15 question number 3. Can we have question number 3
16 up? It's a voting question.

17 Thanks, Dr. Bautista.

18 I will read question 3. For patients who
19 cannot become pregnant, when should the REMS
20 require the prescriber document counseling the
21 patient in the iPLEDGE system? So again, this is
22 for patients who cannot become pregnant, and the

1 options are, A, only with the first prescription as
2 part of patient enrollment; B, monthly, which is
3 the current requirement; C, every 120 days; or D,
4 some other frequency, and provide the frequency
5 that you think, and a rationale.

6 Are there any questions about the wording of
7 this question?

8 (No response.)

9 DR. LO RE: If there are no questions or
10 comments concerning the wording of this question,
11 we will begin the voting on question 3.

12 DR. BAUTISTA: Thank you. We will now move
13 non-voting members to the breakout room.

14 (Voting.)

15 DR. BAUTISTA: Okay. The vote's now
16 displayed. It's 10 members who voted for the first
17 choice; 1 member who voted for the second choice;
18 6 members who voted for C, the third choice; and
19 5 members who voted for D, the final choice.

20 Dr. Lo Re, I'll hand it back to you.

21 DR. LO RE: Thank you.

22 We will now go down the list and have

1 everyone who voted state their name and vote into
2 the record. Again, you should provide
3 justification of your vote. We will start with
4 Dr. Hernandez-Diaz, at the top.

5 DR. HERNANDEZ-DIAZ: Hi. It's Sonia
6 Hernandez-Diaz. I voted for 120 days. My
7 intention was to reduce the burden because I think
8 these patients have no risk but still get the
9 burden, so I think that's unbalanced.

10 I think the logistics of how to do it
11 depends a little bit on the telemedicine, and under
12 the requirements that we were discussing before in
13 the sense that when we got information, we had a
14 sentence saying, "Prescribers will still be
15 required to counsel all patients monthly," and then
16 there was some discussion of if that is still
17 necessary or not because that would affect the
18 issues that were mentioned as a drawback of not
19 having this monthly visit, one of them being the
20 unrecorded prescriber potentially sending the
21 prescriptions.

22 So I think, depending on whether we are

1 opening the door of having not only the lack of the
2 recommended RMA, but the potential of opening the
3 door to refuse and not needing an in-person visit,
4 that might create different logistic issues and
5 ways to solve them. Thank you.

6 DR. LO RE: Thank you.

7 Dr. Liu?

8 DR. LIU: This is Tao Liu. I voted for D,
9 some other frequency. Here's what I think. Every
10 120 days seems arbitrary to me, that's why I'm not
11 fully convinced that's the best choice, based on
12 the histogram plots, and other information.

13 Unfortunately, we do not have data, like the
14 the outcome related to blood donation and also
15 shared medication, to assess which one will be the
16 best choice. What I think here is, for women who
17 can become pregnant, we have this comprehension and
18 the knowledge testing every month and,
19 unfortunately, we do not have just a test for
20 patients who cannot become pregnant.

21 I think maybe we can take this opportunity
22 to do like a shorter version test to test the

1 general knowledge of the medication, like the
2 consequences of sharing drug and blood donation,
3 and use these testing results to do a personalized
4 counseling schedule. For example, if the patient
5 passes maybe the first two tests, first months and
6 second months, and pass the tests both times, then
7 it may be safe to say the patient has a good
8 understanding of the medication and retains the
9 knowledge pretty well, and it's safe to do, say,
10 the documentation in another 3 months.

11 So that's my thought on this. Instead of
12 doing a one size fits all every 120 days, or every
13 month, maybe we should do this based on patients'
14 test results, recognizing there's a big patient
15 [indiscernible] reasons. Some patients may need
16 monthly documentation and counseling, and some
17 patients may not need that. Thank you. That's my
18 choice.

19 DR. LO RE: Thank you, Dr. Liu.

20 Dr. Katz?

21 DR. KATZ: This is Ken Katz. I voted for
22 only with the first prescription as a part of

1 patient enrollment. It's a pretty high burden on
2 the prescribers for which I see little to no
3 benefit. And we're not being asked whether there's
4 benefit of counseling regarding diversion or blood
5 donation, but rather whether there's any benefit of
6 documenting that on the website, and I see that
7 there's little to no benefit -- or data, there's
8 little to no data suggesting there's any
9 incremental benefit to that. Diversion and blood
10 donation seem to be pretty low risk in and of
11 themselves. So I don't see a benefit of confirming
12 counseling in the system at any point, including
13 120 days, which seems quite arbitrary to me.

14 Regarding the question of whether an
15 unregistered prescriber would take advantage of
16 this, I think that's very unlikely in my
17 experience, clinically, with the knowledge about
18 the issues with isotretinoin and prescribing among
19 non-dermatologists or even some dermatologists who
20 elect not to prescribe it. So that seems very low
21 risk, and that can also be studied over time, and
22 if that's a problem, it could be revisited. Thank

1 you.

2 DR. LO RE: Thank you.

3 Dr. Hovinga?

4 DR. HOVINGA: Hovinga, yes. I voted for C,
5 120 days. Given that I still felt torn with this,
6 I could have easily said only with the first
7 prescription. The rationale for that is that I
8 think 120 days for me was a bit of a compromise in
9 between the two, so I leaned towards the all or
10 nothing.

11 The reason for this is that given the
12 courses of therapy and distribution of treatment,
13 it seemed like a point in which the majority of
14 cases where we would have sufficient coverage of
15 time, that if the patient were going to be
16 diverting medication, that might be a reasonable
17 time. But that might have happened, and every
18 reinforcement of not to divert or give therapy to
19 others would be reasonable. I think also with the
20 transfusion issue, I think there are other safety
21 nets there as well, so I was less concerned about
22 that. Like I said, I was torn between the two

1 responses, and I went with the 120. Thank you.

2 DR. LO RE: Thank you.

3 Dr. Green?

4 DR. GREEN: Hi. Brian Green. I voted for
5 only with the first prescription. The system
6 exists to make sure that people don't get pregnant.
7 The stats I think showed somewhere around
8 20 million prescriptions recently on one of those
9 slides somebody had, and there were 4 or 5 cases
10 total of someone sharing the medication resulting
11 in a pregnancy. That's an extremely low rate of
12 that happening.

13 When you look at what we're doing on the
14 iPLEDGE system versus what we're doing when the
15 patient comes in, we'll talk about that when we
16 give them the prescription, and I don't see the
17 need to go back and put it on the iPLEDGE website.
18 Again, like I said earlier with the pregnancy and
19 home, people are going to do what they're going to
20 do. We can take reasonable steps to stop them from
21 doing it. I think bringing it up and mentioning it
22 when we see them make sense. I think doing it on

1 the website more than once is unnecessary.

2 DR. LO RE: Great. Thank you.

3 Dr. Rasmussen?

4 DR. RASMUSSEN: Yes. I went with every
5 120 days. To me, the monthly prescriber
6 documentation seems extra burdensome on the
7 prescriber. I do know that prescription medication
8 sharing, when we did a study several years ago,
9 showed about a quarter of men, about 25 percent of
10 men, share prescription medications sometimes, and
11 we know that is a concern. So I would hope that
12 there would be a requirement of continuing to do
13 that counseling monthly, but I just don't know that
14 it needs to be documented on the website. Thanks.

15 DR. LO RE: Thank you.

16 Dr. Cowen?

17 DR. COWEN: Yes. I recommended only with
18 the first prescription as part of enrollment. I
19 was not convinced that there is compelling evidence
20 that having to make the prescriber go in at a
21 second, somewhat arbitrary, date, two-thirds of the
22 way through the typical course, is going to

1 meaningfully affect the two major concerns that
2 were raised regarding blood donation, which is
3 already screened, as mentioned, and sharing of
4 medications.

5 Certainly I'm not in favor of longer term
6 prescriptions, and I think with 30-day
7 prescriptions, it's unlikely that there's going to
8 be a lot of sharing of medications given the other
9 patient visits required. But given what we just
10 heard, I would be very interested to get follow-up
11 studies on the level of prescription sharing that
12 does occur with this medication.

13 DR. LO RE: Thank you.

14 Dr. Calis?

15 DR. CALIS: Karim Calis from the NIH. I
16 voted for option D. I felt that doing it with just
17 the first prescription may not be sufficient,
18 especially if you're going to continue treatment
19 for a longer period of time, and I thought that
20 monthly is, to my mind, clearly excessive. So I
21 would think that if you're going to continue
22 treatment, for example, for another 6 months or

1 something in that order, then you would repeat
2 that. It's not a bad thing to do. I don't think
3 it's prohibitive and burdensome. It's to help with
4 the general education, misuse, diversion,
5 et cetera, so that's my vote.

6 DR. LO RE: Thank you, Dr. Calis.

7 Dr. Berenson?

8 DR. BERENSON: Abbey Berenson. I voted only
9 with the first prescription as part of patient
10 enrollment. These patients cannot become pregnant,
11 which is really the main overwhelming reason for
12 iPLEDGE to begin with. There were two reasons that
13 were presented to us for why the patient would need
14 to go through this more than the first time. One
15 was to remind them not to give blood. I believe
16 there are many reasons that people are not eligible
17 to not give blood, and at the blood centers, they
18 screen patients for that; that it is not up to the
19 patient to figure out all of those reasons.

20 The second thing is sharing of medication.
21 They're only getting a 30-day supply, so to share
22 their medication, they're going to have to give up

1 their own medication, and given how severe the
2 cystic acne is, I don't think many of them want to
3 give away their own tablets, and the data that we
4 were presented I believe showed us that this was
5 rather uncommon. So I felt that the burden on the
6 provider and the patient just did not merit doing
7 this more than the first time. Thank you.

8 DR. LO RE: Thank you.

9 Dr. Delost?

10 DR. DELOST: Yes. Thank you. Kort Delost.
11 I voted D for some reasons for the future possibly.
12 I was going to ask the rest of the staff, or the
13 voters here, about what they felt about doing it
14 90 days in the future. I know we can't vote on
15 that now. I know there's some pushback on that,
16 but for ease of use and less burden for patients, I
17 figured I'd throw my vote for D, at a 90-day rate
18 because we live in a 30- and 90-degree world as far
19 as providers and pharmacists when it comes to
20 medication, as well as patients. So I thought
21 maybe a 90-day establishment now with the thought
22 that maybe in the future, 90-day prescriptions

1 would align with those, and that's why I voted that
2 way. Thank you.

3 DR. LO RE: Thank you.

4 Dr. Dublin?

5 DR. DUBLIN: Thank you. This is Sascha
6 Dublin. I voted for D, some other frequency, and
7 the frequency I had in mind was something like
8 every 6 months. I also found choice A appealing
9 and think it could be reasonable. I agree with
10 what's been said in terms of I'm not particularly
11 concerned about blood donation because I think
12 there's, as Dr. Berenson just said, safeguards in
13 place.

14 I do really appreciate what Dr. Rasmussen
15 said about drug sharing. I think it's a lot more
16 common than we know, and I think the small numbers
17 we heard about of reported cases are probably just
18 what happened to be spontaneously reported, so
19 there could be a lot more sharing out there. This
20 is an area where I wish we had more data.

21 I think the issue to me is that sometimes
22 when a person is starting a new course of

1 treatment, they get so much information, it can be
2 a bit overwhelming, and there may be some people
3 who don't fully take in and retain the information
4 about, really, don't share this medication, much
5 differently than you should think of your other
6 medications, and I think that people might benefit
7 from repeated counseling.

8 I know that although it's a great idea that
9 everyone will do the repeated counseling every time
10 they contact the patient, it is possible that it
11 could somewhat fall through the cracks, and knowing
12 that it's measured and you have to report it every
13 6 months could be helping make sure that counseling
14 does continue to take place.

15 So I think what I had in mind would be every
16 6 months was that for most patients who have a
17 relatively short course of treatment, they'll learn
18 about it in the beginning, and that will be
19 sufficient, but for those rare patients who are
20 having a significantly longer course, or even
21 lifelong use, there could be value to making sure
22 it happens periodically, but I think A is a very

1 reasonable choice as well.

2 DR. LO RE: Thank you.

3 So I'm up next. Vincent Lo Re. I voted A.
4 I recognize that this was a huge burden on
5 providers and for patients who cannot become
6 pregnant. I acknowledge that 72-to-78 percent of
7 risk management authorization denials were due to
8 the monthly requirement for confirmation. I didn't
9 really hear compelling evidence that issues related
10 to blood donation, which as we heard is already
11 screened, and diversion, aside from a few case
12 reports and a case series -- and I thought to
13 remove the burden further; that only counseling at
14 the first prescription as part of enrollment was
15 sufficient.

16 Dr. Robotti?

17 MS. ROBOTTI: Hi. Suzanne Robotti. I voted
18 A, only with the first description as part of
19 patients enrollment, for reasons well spoken
20 before.

21 DR. LO RE: Thank you.

22 Dr. Hertig?

1 DR. HERTIG: John Hertig. I'll go on
2 record, and as others have said, I also found
3 choice A reasonable. I didn't vote for 120 days
4 because there is value, demonstrable value, to
5 educational reinforcement, and there was some data
6 presented to support a 120-day cadence. But as
7 others have noted, once a month does seem overly
8 burdensome, and I'd like to reduce that burden.
9 Thank you.

10 DR. LO RE: Dr. DeMarco? Dr. McAdams
11 DeMarco?

12 DR. McADAMS DeMARCO: Hi. Mara McAdams
13 DeMarco. I, too, voted C, every 120 days for a lot
14 of the reasons that have been presented already.
15 I, too, was convinced by the data showing that a
16 number of patients that are using it around this
17 time point would make this an appropriate time
18 frame for a kind of re-education and reinforcement
19 of these safety concerns. Thank you.

20 DR. LO RE: Thank you.

21 Dr. Ludwinski?

22 MS. LUDWINSKI: Hi. Donna Ludwinski,

1 patient representative. I completely agree with
2 what Dr. Hovinga said at the beginning about really
3 kind of leaning toward A, but I picked C as well
4 kind of as a compromise. I agree with what
5 Dr. DeMarco McAdams just said. It does seem
6 reasonable to serve as a reminder, but I appreciate
7 that maybe the contact all along is enough of a
8 reminder; it doesn't have to be formally entered
9 into the iPLEDGE, so if I could change my vote, I'd
10 change to A, but I voted C.

11 DR. LO RE: Thank you.

12 Dr. Woodward?

13 DR. WOODWARD: This is Maria Woodward. I
14 voted A, only with the first prescription with the
15 patient enrollment because of things that other
16 people have said. If the goal of the iPLEDGE is to
17 prevent pregnancies while on the medication, I do
18 not see the benefit of preventing pregnancies to
19 the individuals who cannot become pregnant.

20 That being said, I do hear the committee
21 members' voices about every 120 days, and I think
22 the question is, is iPLEDGE the best approach for a

1 more holistically look at public education? We are
2 talking about individuals having to attest to
3 prescriber-documented counseling when, really, what
4 we are concerned about is a holistic education
5 program about diversion and education. So maybe
6 this is an area that needs to be studied about how
7 to best educate people on these issues and at what
8 frequency, and whether prescriber-documented
9 counseling is the best method to do that; then
10 maybe in a study, you can see that every 120 days
11 is most appropriate to really get that education,
12 or maybe there's a whole other mechanism for public
13 health education on this issue. Thank you.

14 DR. LO RE: Thank you.

15 Dr. Salvas?

16 DR. SALVAS: Brian Salvas here. I voted A,
17 for reasons others have shared. It makes sense to
18 only do this as part of the enrollment. I will say
19 this is not a litigation of what's covered here
20 being clinical pearls, but more about the provider
21 enrollment requirement that led me to answer this
22 way.

1 DR. LO RE: Thank you.

2 Dr. Huybrechts?

3 DR. HUYBRECHTS: Krista Huybrechts. I voted
4 A, at the time of the first prescription as part of
5 the patient enrollment. I do want to emphasize I
6 very much recognize the potential risks associated
7 with blood donations and medication sharing, and
8 therefore think the monthly counseling is
9 important, but I voted on the need for the
10 documentation in the iPLEDGE system, not the need
11 for the counseling itself.

12 In terms of the documentation in the system
13 itself, that seems to me more of an administrative
14 step with few benefits. In terms of a potential
15 other cadence like the 120, I didn't really see a
16 good scientific justification and sort of linking
17 it somehow to an average prescription duration. So
18 I want to emphasize I think monthly counseling is
19 important; documentation itself I think is not
20 necessary through the treatment. Thank you.

21 DR. LO RE: Thank you.

22 Dr. Tollefson?

1 DR. TOLLEFSON: I voted D with the
2 suggestion of possibly yearly; however, I will say
3 I'm completely comfortable with A as well, but my
4 thought process was along the lines of Dr. Dublin.
5 As a part of this, prescribers have to provide
6 monthly counseling, as was just mentioned, this is
7 just a documentation requirement into the iPLEDGE
8 system. I think most prescribers do document their
9 monthly counseling in their own medical records. I
10 would say that it would be ok not to re-document
11 that in iPLEDGE for a standard length course of
12 isotretinoin, which very well, in most cases, is
13 more than 120 days.

14 The reason that I consider the yearly is as
15 for the few patients in which they might want it
16 for extended periods of time. Even though the
17 monthly counseling is still happening, if overall
18 it was felt to be more reasonable or better
19 accepted to have this done yearly in those
20 situations, I would be ok with that, but I'm also
21 very comfortable with A.

22 DR. LO RE: Great. Thank you.

1 Dr. Chambers?

2 DR. CHAMBERS: Hi. David Chambers. I did
3 vote A as well, only with the first prescription as
4 part of patient enrollment, for many of the reasons
5 that others have suggested, that this is about the
6 requirement of documentation as opposed to
7 specifically focusing on counseling. So given the
8 potential to reduce burden while still maintaining
9 the importance of focusing on ongoing communication
10 of risks, I thought A was the right choice.

11 DR. LO RE: Thank you.

12 Dr. Schreiber?

13 DR. SCHREIBER: Hi. Courtney Schreiber. I
14 voted B, monthly, and the only one I believe. As
15 others have stated, I agreed with the description
16 that we really didn't have data to assess any other
17 interval for comparison with monthly, so I was
18 unable to make a decision, given that the other
19 options were for arbitrary.

20 While I understand that this is about
21 documentation and not counseling itself, we weren't
22 given an opportunity to vote on a change in

1 documentation versus counseling for patients who
2 can become pregnant. And in both of these
3 settings, we are talking about the potential,
4 though rare, possibility of harm to others, whether
5 it's a patient who can become pregnant or who can't
6 become pregnant. So from an equity perspective, my
7 belief is that the systems should be the same, and
8 maybe the documentation for both populations is
9 excessive, although the counseling should be
10 similar. Thank you.

11 DR. LO RE: Thank you, Dr. Schreiber.

12 Let me attempt to summarize here. I think
13 that the responses were all over I think mainly
14 because there really was a lack of data on this, in
15 this area, and it was a general consensus that we
16 really needed more study, more research into
17 prescriber documentation, whether it is important,
18 whether it is impactful, so let me go through the
19 responses.

20 In terms of supporting only with the first
21 prescription as part of patient enrollment, there
22 was a general sense that every-month documentation

1 is simply too burdensome on both providers and
2 patients who cannot become pregnant; that
3 acknowledging 72-to-78 percent of denials are due
4 to the inability to have monthly documentation;
5 that there was limited compelling evidence that
6 monthly documentation would either affect blood
7 donation, which is already screened, or diversion,
8 which was felt to be, though without data, rare,
9 based on case reports and a case series.

10 There was really little to no data on the
11 benefit of confirming, counseling, documenting
12 beyond any of the initial visit, and there was
13 acknowledgement from those who voted for this that
14 other intervals really seemed fairly arbitrary.

15 In terms of supporting monthly, again,
16 acknowledgement of no data to express support for
17 any other interval beyond monthly, which is the
18 current approach, which limited decision making;
19 and from a health equity standpoint, given the rare
20 possibility of harms to others, a monthly system
21 should be maintained because that applies to all
22 individuals in the iPLEDGE program.

1 The every 120 days, for those who chose
2 this, there was an acknowledgement that some
3 additional check-in for counseling about the need
4 not to divert or donate blood was appropriate.
5 There was concern that monthly seemed too
6 burdensome. For those in favor of some other
7 frequency, there was an acknowledgment that, again,
8 there was no necessary data on what the appropriate
9 time period was. There was a recommendation to
10 consider personalized schedules, based on knowledge
11 of risks of blood donation or sharing.

12 There was concern, particularly for
13 prolonged durations of isotretinoin, that some
14 additional counseling may be necessary. Some
15 suggested 30, some suggested beyond 120 days, but
16 there was concern in this group that doing it
17 simply with only the first prescription would not
18 necessarily be sufficient, but that monthly was too
19 burdensome.

20 So I think the lack of data on what is the
21 appropriate timing here limited somewhat the
22 responses, in they were all over.

1 We are going to go on to the fourth
2 question. May I have the fourth question up? I'm
3 going to read the fourth question.

4 The fourth question, a discussion question,
5 reads as follows. The iPLEDGE pregnancy registry
6 collects information on fetal exposure, pregnancy
7 outcomes, fetal outcomes, and root cause analysis.
8 Please discuss recommendations on the pregnancy
9 registry requirement and the ways in which it could
10 be streamlined to encourage more participation to
11 yield high-quality data.

12 Are there any questions about the wording of
13 this discussion question?

14 Okay. There's a question from
15 Dr. Schreiber.

16 DR. SCHREIBER: Apologies. Maybe this isn't
17 exactly about the wording, but I am wondering if
18 the goal is more participation, for sure, or is
19 that up for debate, whether or not this is of value
20 to continue the registry or all aspects of the
21 registry as it is? Because I thought I understood
22 that from prior, that maybe there was an

1 opportunity to change it, as opposed to just
2 increase participation.

3 DR. LO RE: Dr. LaCivita, it looks like you
4 came on. Do you want to help to clarify that
5 discussion question, please?

6 DR. LaCIVITA: Sure. Cynthia LaCivita, FDA.
7 Thank you.

8 I think we're looking at any advice that you
9 give us with regard to we know the participation is
10 low, so if we could streamline some of the
11 activities and get some feedback or advice on that
12 so that maybe more people would participate. Also,
13 some of these outcomes are information that we have
14 years of experience on. Is it necessary to collect
15 information on the fetal outcomes moving forward?
16 So I think any of your thoughts on that would be
17 greatly appreciated.

18 Does that help you at all?

19 DR. SCHREIBER: Yes. Thank you.

20 DR. LaCIVITA: Sure.

21 DR. LO RE: Thank you, Dr. LaCivita.

22 Opening comments on this discussion

1 question?

2 Dr. Delost, will you lead us off?

3 DR. DELOST: Yes, I will. I think that
4 there are ways to follow up and do a better job.
5 Since people are so used to answering surveys on
6 their phones and things like that, maybe the FDA
7 could reach out using a platform by using those
8 surveys directly to the patient once they're
9 discovered there's a pregnancy issue, and maybe
10 following up on that.

11 I know it's voluntary and things like that,
12 but it doesn't really violate a HIPAA because
13 they've already signed up for it, and I think using
14 the electronic follow-up poll and data on the
15 outcomes might help get more involvement. Thank
16 you.

17 DR. LO RE: Dr. Rasmussen?

18 DR. RASMUSSEN: Yes. I believe being able
19 to get information on the root cause analysis is
20 really essential. To be honest, the rest of it is
21 a little less important, but where has the program
22 failed, that the person ended up being pregnant I

1 think would really help us to know how to change
2 the program in the future.

3 I think whatever we can do to try
4 to -- whether it's an app on a phone, or whether
5 the concerns are about confidentiality, I think
6 whatever sort of reassurance that can be given -- I
7 know there are things called certificates of
8 confidentiality that say that even if you're given
9 a court order, that you would not give that
10 information, which are more concerns about the
11 inability for women to have the choice of having
12 pregnancy terminations. I think we're going to
13 have an even harder time getting people to report
14 the pregnancy registry. But I really feel like
15 this is essential, and we need to think creatively
16 about ways to improve the likelihood of getting
17 information about root cause. I actually don't
18 know that we need more information about fetal
19 outcome. I think we've finished [indiscernible]
20 that for fetuses. That's it. Thanks.

21 DR. LO RE: Thank you.

22 Dr. Hernandez-Diaz?

1 DR. HERNANDEZ-DIAZ: Hi. It's Sonia
2 Hernandez-Diaz. I agree with Dr. Rasmussen, in the
3 sense that I see this study presented
4 [indiscernible] in two parts. One is the detection
5 of pregnancies and the analysis of causes, which I
6 will keep, and then the other one is a follow up,
7 which is more tying in.

8 For many reasons, I would suggest that it
9 can be discontinued. One is because most of the
10 outcomes that we have seen are either losses to
11 follow-up or terminations, therefore we will have
12 little information. Second, with that little
13 information, there is no result of the registry
14 that would change our [indiscernible] prior over
15 the teratogenic [indiscernible] effect. So the
16 benefit in terms of the amount of useful
17 information are very small, and it is a burden to
18 follow them. If they're pregnant, pregnant women
19 know that they are going to be asked to do about
20 what they are going to do after being pregnant.
21 That might actually maybe affect their willingness
22 to participate in the first part, which is not

1 going to ask them about what they are going to do
2 afterwards. So for those three reasons, I will
3 keep only the first part, and then focus on
4 improving enrollment participation on that first
5 part.

6 One thing is we need to streamline the
7 information that is collected, but it seemed from
8 the presentation that it's already very short and
9 it's not the time of answering the questions that
10 might be a challenge or might be affecting
11 participation and completion, but maybe the
12 confidentiality, as Dr. Rasmussen said.

13 Also, if this is an interview, still that's
14 not what the new generations are used to. So
15 moving to more friendly platforms that they like
16 and they use, if possible, with the apps that they
17 know how to use very well, that might be a way.

18 I don't have specific recommendations for
19 ensuring complete confidentiality, but maybe once
20 they don't have to report what they are planning to
21 do, that might lower their concerns. Thank you.

22 DR. LO RE: Thank you.

1 Dr. Katz?

2 DR. KATZ: Thank you. Ken Katz. Keeping in
3 mind that the purpose of iPLEDGE is to prevent
4 fetal exposure to isotretinoin, it seems like the
5 only important aspect of the registry is really the
6 root cause analysis. The other aspects of it might
7 provide useful information regarding other things,
8 but not toward preventing fetal exposure to
9 isotretinoin. So I'd recommend keeping the root
10 cause analysis and maybe discarding the other
11 parts, and maybe by making it a simpler survey,
12 people would be more willing to participate.

13 For those who aren't going to participate,
14 maybe asking them why so that the survey might be a
15 change or the approach might be changed to
16 encourage future participation moving forward, with
17 some data to support that. Thank you.

18 DR. LO RE: Thank you.

19 Dr. Robotti?

20 MS. ROBOTTI: Hi. Suzanne Robotti. I have
21 no way to make this simple or to streamline it; in
22 fact, I want more information. Without information

1 on race, socioeconomic status, insurance that can
2 be overlaid on the pregnancy registry, we don't
3 know who is not getting access to treatment versus
4 who is in the large picture. People lost to
5 treatment and people who discontinue treatment is
6 something that is very important because we don't
7 know why they're lost to treatment.

8 We should note is it the burdens of the
9 iPLEDGE program? We should note is it the
10 harshness of the side effects? It implies there's
11 also a risk that some of those patients became
12 pregnant and did not want to report it, so just
13 stopped going to the doctor's office and
14 responding.

15 We have their information, their contact
16 information, to do follow-up, phone calls,
17 reachouts, and find out what happened to them. It
18 would give us so much more information, and without
19 it, we have no basis on which to make decisions.
20 That's all.

21 DR. LO RE: Thank you.

22 Dr. Hovinga?

1 DR. HOVINGA: Hello. This is Collin
2 Hovinga. When I think about this, getting people
3 to complete any survey or follow-up data in
4 clinical trials, or any other element of this, is
5 very, very difficult. I think one of the things
6 that was done really well with the CDC is when
7 everyone got their COVID vaccine, where they got a
8 push to say, "Hey. How are you feeling?"

9 So having some kind of structure where if
10 there's a triggering event, that you have a
11 pregnancy, then that triggers additional follow-up,
12 it's only done as a follow-up measure. I do think
13 the important element here is going to be the root
14 cause analysis, and I think that the pregnancy
15 outcome, or fetal outcome, is probably less
16 important here, given what we already know.

17 The only other caveat I would mention is
18 that I think the more questions that you ask of
19 people -- in pregnancy registries, after that, it's
20 hard to get good responses or complete responses.
21 Also, I think given our current climate for
22 abortion and whatnot in many states across the

1 United States, it raises more concerns of what
2 you're going to be using with your information,
3 even if people are told that their data or their
4 information is going to be held in confidence.

5 Over.

6 DR. LO RE: Thank you.

7 Dr. Schreiber?

8 DR. SCHREIBER: Yes. Courtney Schreiber.

9 Just to expand on that last point, this could
10 potentially be putting patients at risk if they are
11 in states where abortion is illegal or practically
12 illegal. So that would be a major disincentive to
13 report a pregnancy that is going to likely end in a
14 pregnancy termination, and something that we should
15 consider for the safety of the population of
16 patients using the therapy. I agree with what's
17 been said, that there doesn't seem to be utility to
18 continually collect neonatal outcome data.

19 In terms of the RCA, again, weighing that
20 against the risk to individuals who are reporting
21 pregnancies in the current political climate, if
22 the RCA data were being utilized, I would put more

1 weight on that benefit to outweigh the risk of
2 asking patients to report pregnancy, but I haven't
3 seen too much evidence of the RCA data being
4 utilized, at least not in these last two days.

5 We know that abstinence is a major risk
6 factor. For a pregnancy during treatment, and
7 abstinence isn't really considered a contraceptive
8 method but a lifestyle choice, and it's not
9 considered in all the ways in which patients who
10 are stating that abstinence is their lifestyle
11 choice might need ready access to emergency
12 contraception or quicker referral for contraceptive
13 care should that change; not to mention that not
14 all sex is voluntary, 1 in 6 women in this country
15 are raped.

16 So all of these components are parts of the
17 program that are difficult to address without more
18 mandated and potentially coercive counseling around
19 contraceptive methods used, my point being that if
20 there isn't a plan to really utilize the data on
21 risk of pregnancy through the iPLEDGE program, to
22 make changes to the iPLEDGE program, and to the

1 recommendations for contraceptive use during
2 isotretinoin therapy, then is it really worth
3 collecting the data? Thank you.

4 DR. LO RE: Thank you.

5 Dr. Calis?

6 DR. CALIS: Karim Calis from the NIH. I
7 actually kind of have a little different
8 perspective on the pregnancy registry maybe than
9 some of my colleagues. I don't believe there's
10 such a thing as excessive amounts of data on
11 pregnancy outcomes, as well as all the other
12 aspects that are collected in the pregnancy
13 registry. I think this is vital information that
14 can inform us about the extent of the exposures and
15 what outcomes may occur.

16 So I actually feel that it's a really
17 important tool to continue, and we should encourage
18 participants who want to. It's certainly something
19 that they would choose to participate in freely,
20 and the default should be actually to participate,
21 and somebody can opt out of that if they so choose,
22 if their situation is such that they don't want to

1 share that kind of information, but I think it is
2 vital information.

3 I think it would be a mistake to not collect
4 this type of information. The process certainly
5 can be streamlined, but I actually think that
6 there's even an ethical imperative to collect
7 pregnancy outcome data. We do that all the time in
8 clinical trials of various types of substances and
9 medications that are used, where we don't know
10 enough about teratogenicity, et cetera, and I think
11 that that can apply even in this particular case,
12 where we do know a lot of information but not quite
13 everything.

14 DR. LO RE: Thank you, Dr. Calis.

15 Dr. Robotti, you have your hand up. Did you
16 have a follow-up? No? Okay.

17 MS. ROBOTTI: No, my mistake.

18 DR. LO RE: No worries.

19 Dr. Dublin?

20 DR. DUBLIN: Thank you. Can you hear me?

21 DR. LO RE: Yes.

22 DR. DUBLIN: Great.

1 So I agree with the points that have been
2 raised about the potentially most valuable and
3 potentially actionable part of this data collection
4 is the root cause analysis. I agree with previous
5 speakers who said that they don't feel that it's a
6 benefit to continue collecting data about pregnancy
7 outcomes or infant outcomes because it's hard to
8 imagine how that would change our recommendations
9 or our practice. I think it's important in
10 collecting data to really ask what decision needs
11 to be made from the data, what analyses am I going
12 to do to guide those decisions, and that should
13 inform what data are being collected.

14 I think we heard over and over again in the
15 earlier discussions that we really want to know why
16 are people saying no to the registry, and I don't
17 think we got an answer. To me, it wasn't clear
18 from IPMG if they aren't even asking at all, they
19 don't collect the data, or if they just haven't
20 analyzed them, or if they don't know if they have
21 the data. So I think that a fresh start would be
22 to try to find a sensitive and acceptable to

1 patients way to ask about, tell me about your
2 decision not to participate to understand the
3 barriers.

4 I think there are these huge concerns about
5 potential legal liability, and I think that I agree
6 with the idea of not asking people about their
7 intentions about termination or not, to be
8 protective of women.

9 I think what we saw in terms of the data
10 about the causes of failure, it didn't give me a
11 lot of confidence in the current depth or analytic
12 rigor of a root cause analysis that's being done to
13 date. All we saw were things like what
14 contraception were they on or the stated reason
15 being things like contraceptive failed, but there
16 are so many more interesting and important
17 questions of why did the contraception fail. Did
18 someone forget to take her birth control pill? Did
19 someone decide to stop it due to side effects?

20 I think we really need a lot richer
21 understanding of the context and the potentially
22 modifiable factors that led to the pregnancy, and I

1 think sometimes the way you get those is actually
2 through qualitative data collection such as
3 semi-structured interviews, or at least really big
4 sections for people to write free text information.
5 And I think to do that work, it would really help
6 if you could reassure people that you were going to
7 somehow de-identify or de-link the data you
8 collected as soon as feasible, to take away any
9 link to identifiers so that you could really try to
10 ensure the data couldn't be traced back to
11 individuals. I think that might be very
12 reassuring.

13 I want to speak briefly to the idea about a
14 mobile app. There actually was a project funded by
15 the Patient-Centered Outcomes Research group, and
16 it was funding that came in through FDA's Sentinel
17 Initiative that created it. I was part of a
18 project where we developed a mobile app to collect
19 data directly from participants, including from
20 pregnant women. It's a customizable app, and it's
21 open source, and it's available.

22 The challenge we had when we piloted at

1 Kaiser Permanente was we reached out to something
2 like a thousand pregnant women, and only 7 percent
3 decided to take up the app and participate and
4 report on their medication exposure. So having an
5 app that we were sending them out little
6 questionnaires, people who did participate stayed
7 in for a long time and were very enthusiastic, but
8 the participation rate was very low.

9 I know that in traditional research studies,
10 we get much higher participation when we pay people
11 and we give them a financial incentive. I think
12 there are ethical issues around would it be
13 coercive. We don't want to coerce people to
14 participate, but I do think that, from a purely
15 research standpoint, a financial incentive does
16 help people feel like it's worth the time and
17 energy if that's the concern that they're having.

18 So I'll stop there, but I do favor trying to
19 keep and improve that first part, that root cause
20 analysis, and really getting more usable and more
21 rich detail about how pregnancies are happening in
22 this program. Thank you.

1 DR. LO RE: Thanks, Dr. Dublin.

2 So let me try to summarize the comments from
3 the committee. I think there was consensus that
4 the information collected from the pregnancy
5 registry on the root cause analysis was the most
6 important, the most actionable, and would give
7 important information on the factors that led to a
8 patient's pregnancy, although there was
9 acknowledgement that we may need better data on
10 this, particularly why did contraception or
11 abstinence fail, and qualitative surveys were
12 recommended that potentially could fill in those
13 gaps and provide reassurance that data might be
14 de-identified.

15 There were lots of comments about
16 electronic -- either smartphone applications,
17 texts, pushes -- and more user-friendly platforms
18 to increase participation in the pregnancy
19 registry. There was a general sense that, really,
20 more information on fetal outcomes and follow-up
21 would not be valuable. These data are already
22 known. The data would not be actionable and may

1 actually discourage individuals, particularly when
2 asking about plans for the pregnancy in a climate
3 and in states where abortion may be illegal.

4 There were concerns raised about whether and
5 how the root cause analysis data was currently
6 being utilized, and there was a suggestion that
7 potentially the registry should be the default with
8 an opt-out available, and that we need far more
9 data on why people are saying no to the registry to
10 understand the barriers to participation, and
11 particularly there was concern about potential
12 legal barriers.

13 Then there was a suggestion about an
14 open-source app that was funded by PCORI, but even
15 that had very little uptake in participation and a
16 suggestion about potential financial incentives,
17 which might be valuable.

18 Okay. I'm going to move now to question
19 number 5. That's our last question. Can we bring
20 question 5 up, please? Thank you.

21 This is a discussion question. Discuss any
22 additional recommendations to minimize burden in

1 the iPLEDGE REMS. Any questions about the wording
2 of this?

3 Dr. Green?

4 DR. GREEN: I didn't have any questions
5 about the wording. I had some additional
6 recommendations, so I can hold off if you want to
7 see if anybody has questions.

8 DR. LO RE: Yes. Leave your camera on and
9 leave your hand up, and I'll just see if there are
10 any other questions from the advisory committee on
11 the wording of this question.

12 (No response.)

13 DR. LO RE: It doesn't look like it.

14 Dr. Green, please.

15 DR. GREEN: I brought a few things up
16 yesterday. The app we just talked about I think is
17 specific to people who have gotten pregnant and
18 sort of what happened. I do think iPLEDGE should
19 exist as an app because most people go to their
20 phones rather than their computers, particularly
21 teenagers and younger people, early 20s, so
22 anything that they had to do, it would be wonderful

1 if there was an app that was developed.

2 I brought up the idea yesterday on the
3 dropdown menu when you're entering patients'
4 contraceptive methods. There does not need to be
5 hormonal IUD and non-hormonal IUD. I would love to
6 just have that say "IUD." And I think entering the
7 date every time that we counseled people and when
8 we just check the box that said I have counseled
9 people on this, is redundant as well. I think that
10 would streamline things quite a bit if there were
11 an app. It's going to be less clicks if we don't
12 have to enter the date every time.

13 The potential for contraceptive mismatch
14 will be less if there's only one IUD there, because
15 if we select hormonal IUD and the patient selects
16 non-hormonal IUD, it's going to be a mismatch, and
17 it's going to cause a delay of them picking up
18 their medications.

19 I'd also like to suggest a change on this
20 consent form for consent about birth defects.
21 Number 7 is, "I may receive a free birth control
22 counseling session from a doctor or other family

1 planning experts." There's a form, and then it
2 says, "Fill out this form for a free consultation."
3 I've never had anybody ask me about this, but I
4 have no idea where they're going to get this free
5 consultation from a doctor or other family planning
6 expert, so I think that's something we need to look
7 at in the sign the consent form. And maybe IPMG
8 knows where this is going to happen, but I
9 certainly do not.

10 DR. LO RE: Thank you.

11 Dr. Salvas?

12 DR SALVAS: Thank you. Brian Salvas from
13 CVS. To me, all my recommendations come down to
14 technology. Recognizing I represent some
15 9[000]-10,000 pharmacies and a significant portion
16 of the isotretinoin dispensing in the U.S., I've
17 seen a significant change in the way that the IPMG
18 supports my pharmacy providers with technology.

19 It's been a consistent theme across a lot of
20 folks' testimony, and questions, and comments over
21 the last two days, whether that's facing digital
22 capabilities, whether it's improved EHR

1 integration, or platforms for providers. But for
2 pharmacies, I think it's important to recognize
3 that when that change happened at the end of 2021,
4 we actually took a really significant step back,
5 and all of the interoperable connections required
6 in order to enable that RMA, that dispensing
7 authorization happened.

8 It used to happen in an automated way
9 through the adjudication network for retail
10 pharmacies because McKesson was involved at that
11 time. Now that they're not, every pharmacy, every
12 day, in order to dispense the stuff has to stop,
13 has to leave their dispensing workflow and access a
14 portal that is only designed for this distinct
15 purpose. And it is not something that they're
16 doing in the normal course of their business for
17 the other products that they're dispensing, other
18 products that, thus, this change dangerous in
19 different contexts.

20 So what I would love to see continued work
21 on is how we can still deliver on our commitment
22 for safety, limiting the adverse events associated

1 with this product, while also ensuring that we're
2 able to maximize the effectiveness for the provider
3 networks.

4 DR. LO RE: Thank you. That was the change,
5 Dr. Salvas, that was in 2021 that you're referring
6 to; is that correct?

7 DR. SALVAS: That's right. When they speak
8 the moving from one REMS administrator to another,
9 that was the change, and it had significant impact
10 for everybody.

11 DR. LO RE: Dr. Berenson?

12 DR. BERENSON: Just to clarify, we're open
13 now to discuss this question; is that correct?

14 DR. LO RE: Yes, that's correct.

15 DR. BERENSON: Okay.

16 I had two comments. One was whether you're
17 talking about the 19-day lockout or redoing the
18 iPLEDGE every 30 days, I do think that we need to
19 take into consideration that LARC methods, the rate
20 of failure is extremely low. So while it is true,
21 as it was pointed out, that all methods can fail,
22 when they're over 99 percent effective, I think

1 that we can treat those methods differently than we
2 treat methods such as birth control pills or
3 abstinence, that fail far more often, and that is
4 one way we could minimize burden on the providers
5 and the patients.

6 The other point that I would like the FDA to
7 consider is if there are some creative ways that we
8 can use more members of our healthcare team. As
9 more and more time goes by, the burden on the
10 physicians just keeps increasing, especially since
11 the beginning of the EMR, where physicians now have
12 to do all their own documentation. So if it is the
13 case that the physicians have to do all the
14 counseling, there is a possibility that others in
15 the office, like an RN, could be trained to do
16 that, or perhaps, as we saw during COVID, the
17 pharmacists could pick up some of that burden.
18 These are just some ideas of how to decrease the
19 burden.

20 DR. LO RE: Thank you.

21 Dr. Huybrechts?

22 DR. HUYBRECHTS: Krista Huybrechts. I had a

1 couple of thoughts related to missing that initial
2 7-day pickup window, and the first one is something
3 that I believe Dr. Green brought up yesterday, and
4 we haven't really had a chance to discuss these two
5 days, like the rationale behind the 7-day window.
6 I think Dr. Green brought up that the need for
7 prior authorization is often just insurance not
8 being able to approve that prior authorization in
9 time, and is often a reason for missing the window
10 there.

11 So I was just wondering in the future,
12 moving forward, whether there's any possibility of
13 reassessing whether that 7-day is really the right
14 window or whether that could maybe be extended with
15 a couple of days to avoid those kind of delays.

16 The second one, also related to this, is it
17 seems that there is a lot of opportunity for the
18 patient just to miss that window for no particular
19 reason other than that they forget the things that
20 they need to do. The issue was brought up that now
21 the calendar would be brought back into the system,
22 but it still requires the patient to log on to the

1 system, and to then look at the calendar and see
2 where they are. And I was just wondering -- we
3 talked about technology -- that if there was a
4 simple text reminder to the patient -- we're
5 getting reminded for our doctors' visits all the
6 time -- sort of saying, "Remember, you still need
7 to complete your comprehension questions," or
8 "Remember, your window to pick up the prescription
9 at the pharmacy is closing," I'm wondering whether
10 that could reduce the number of missed 7-day
11 window, which then has repercussions for the
12 provider, and the pharmacy, and so forth. So those
13 were just two thoughts related to missing the
14 window. Thank you.

15 DR. LO RE: Thank you.

16 Dr. Katz?

17 DR. KATZ: Thank you, and a couple of
18 suggestions. One is having emergency contraception
19 and making that information more prominent and more
20 easily accessible. I think it's now in the
21 prescriber guide but not in the information that's
22 meant for patients themselves, and I think it

1 should be included there more prominently and more
2 easy to access.

3 The second has to do with telemedicine, to
4 make it explicit in the prescriber's guide which
5 activities are acceptable and not acceptable. In
6 telemedicine, I think with all the concerns about
7 iPLEDGE, people are probably going to be
8 conservative on what they will employ, what methods
9 they will employ, so just to be explicit about what
10 they can do to make it easier for everyone would be
11 useful.

12 My final comment has to do with the
13 definition of patient categories and trying to be
14 more respectful to our transgender patients, and to
15 encourage prescribers to use language that respects
16 where they're coming from. Currently the language
17 states, for example, for cisgender females, it
18 says, "born a female and transgender males born
19 female -- cisgender males born a male." That's not
20 language that I think is usually used with our
21 transgender patients, but rather the sex assigned
22 at birth and then current gender identity. I think

1 that's the language that most people are using.

2 So this idea that a transgender female was
3 born a male I think is not respectful to that
4 community, and I would encourage IPMG to solicit
5 input from stakeholders who are transgender to make
6 sure they get it right. Thank you.

7 DR. LO RE: Dr. Rasmussen?

8 DR. RASMUSSEN: I just wanted to make the
9 same comment that Dr. Katz just made about
10 enhancing awareness among patients about emergency
11 contraception. I do feel like whether that's
12 through getting more information to the patients or
13 whether clinicians are including that in their
14 monthly counseling, I think it really is important
15 to remind persons that that is something that is
16 available to them and could actually lead to
17 pregnancy prevention in a time when access to
18 pregnancy termination might be decreasing. Thanks.

19 DR. LO RE: Thank you.

20 Dr. Woodward?

21 DR. WOODWARD: Thank you. Maria Woodward.
22 I wanted to recommend that to minimize the burden

1 of iPLEDGE REMS, really, we should be communicating
2 with our dermatologic colleagues and professional
3 societies who are thought leaders and experts in
4 this field more directly, as well as the patient
5 advocates. I had serious concerns that the method
6 of communication with IPMG is not an open forum.

7 Specifically, I would recommend that there
8 is a representative from both patient and
9 dermatologic societies that are appropriate, where
10 maybe a task force can be designed to figure out
11 who those people or roles of those people would be,
12 so there is representation in the build and design,
13 rather than concerns after the fact. I think many
14 of the issues with the rollout could have
15 potentially been mitigated had there been better
16 communications, and that really worried me when I
17 heard that that is not an open line of
18 communication.

19 Mounting on to that is really just that
20 there is some mechanism to regularly review the
21 peer-reviewed literature. We are in medicine, and
22 evidence-based guidelines are critical; so

1 understanding there's a lot of research and
2 interest in this space that is clinical and well
3 peer-reviewed literature that should be reviewed
4 regularly, and maybe those dermatologic colleagues
5 could lend light to those and give context to
6 those. Thank you.

7 DR. LO RE: Thank you.

8 Dr. Tollefson?

9 DR. TOLLEFSON: Thank you. Megha Tollefson.
10 My comments mirror any of the recent ones that have
11 been said. I also think that there's an incredible
12 opportunity, one, to study outcomes that can be
13 used to inform the future. I was, quite frankly,
14 surprised at the lack of some data that was
15 available, and part of that involves including the
16 key stakeholders, such as the prescribers and also
17 the dispensers, as decisions are being made, and I
18 think not just dermatologists, but dermatologists
19 that are actively prescribing isotretinoin often.

20 I also want to echo, I think, the importance
21 of an app in iPLEDGE. This is medicine that is
22 used by young people. Young people interact with

1 their very expensive handheld devices the most.
2 They don't respond to email, they don't necessarily
3 go on to web pages, and I think if we're going to
4 be effective, as effective as possible, it's going
5 to have to be through an app-based system.

6 I'd like to see that monthly counseling be
7 standardized through that. I think there's a lot
8 of variability in what counseling is given when
9 it's left to the individual prescriber or practice.
10 And if our goal is to minimize pregnancy, that
11 would be the best way, certainly with a large
12 emphasis on emergency contraception on a monthly
13 basis. Thank you.

14 DR. LO RE: Dr. Dublin?

15 DR. DUBLIN: Thank you. I really appreciate
16 all the wonderful suggestions my colleagues have
17 made. Things I'd like to highlight and maybe lend
18 a little more detail or a new twist to is I think
19 the importance of recognizing the incredible
20 effectiveness of LARC, as Dr. Berenson pointed out,
21 and treating it differently.

22 Specifically, one thing that seems like it

1 was worth debating is whether to remove the 30-day
2 waiting period after the initial consultation about
3 starting isotretinoin. It's not clear to me why
4 someone who's already been successfully on LARC for
5 months needs to wait 30 days before their second
6 pregnancy test. This could be a very concrete way
7 of recognizing the difference between LARC and
8 other forms of birth control, or the need for
9 someone to go out and get birth control that
10 doesn't have it.

11 Like one of my colleagues, I was really
12 concerned to hear about the difficulty that
13 dermatologic societies have had in establishing
14 open lines of communication with IPMG, and I think
15 the issues that were raised about transparency and
16 communication are very, very important.

17 I think, if possible, the FDA should really
18 require that IPMG hold periodic, regularly
19 scheduled stakeholder forums, which could either
20 be, to some degree, open to the public or could be
21 scheduled meetings with representatives from
22 obvious major stakeholder groups who are eagerly

1 awaiting a chance to interact with them to help
2 reduce burden; because I think those of us on the
3 committee, we could come up with some good ideas
4 right now, but a lot of the best ideas are going to
5 emerge as things go forward in the future, seeing
6 when problems come up, there has to be a mechanism
7 in place for IPMG to listen to those concerns in
8 real time, and respond, something like every
9 3 months or every 6 months. I think that should
10 just be an expectation.

11 Again, that requirement that IPMG should be
12 regularly reviewing the literature that's relevant
13 about patient experience, patient health
14 disparities and satisfaction, I know we've talked
15 about it in other settings, but since this is a
16 moment when suggestions are asked for, I would like
17 to just get on the record the suggestion that there
18 be some kind of expectation or requirement that
19 IPMG be collecting data in a way that allows the
20 examination of health disparities, including by
21 race, and ethnicity, and insurance status, and also
22 some requirement to access, either reasonably well,

1 accessible outside data to understand the health
2 disparities, both in initiating isotretinoin in the
3 first place and successfully completing a course.
4 I think this could be done in a way that isn't
5 incredibly burdensome and expensive, but I think
6 there should be an expectation of generating some
7 data.

8 I really like the idea of trying to automate
9 and standardize the counseling. There will never
10 be a replacement for that provider-patient
11 relationship and contact, but to supplement with
12 some kind of one-time online counseling that is
13 well done, designed for the way teenagers and
14 younger people are interested in hearing the
15 information, I think would be a real strength, and
16 especially the emphasis on emergency contraception.

17 I really like the idea that was raised at
18 some point during this two days that there really
19 should be a lot of -- it could almost be the
20 default, that for most patients, you're going to
21 provide the prescription for plan B, and supply it
22 at the time of their first isotretinoin

1 prescription, and then they'll have it for the
2 whole course of treatment. They don't have to buy
3 it, but to make it available at the very beginning
4 sets the expectation that it would be good to have
5 in your medicine cabinet, particularly if the
6 choice is abstinence or birth control pills. Thank
7 you.

8 DR. LO RE: Dr. Ludwinski?

9 MS. LUDWINSKI: Hi. Thank you. Donna
10 Ludwinski, patient representative. My question
11 really just has to do with looking at other
12 indications and seeing about off-label use and
13 which groups absolutely shouldn't be required to be
14 enrolled in iPLEDGE. I feel a good perhaps
15 exercise would be engaging some of the pediatric
16 oncologists who deal with it and feel it's really
17 not helpful in their situations. So that's my only
18 suggestion. Thanks.

19 DR. LO RE: Thank you.

20 And lastly, Dr. Hernandez-Diaz?

21 DR. HERNANDEZ-DIAZ: Well, thank you. Just
22 to emphasize, this is going to be an opportunity

1 for evaluation and also emphasizing the importance
2 for technology for the integration of a system and
3 sending texts, the apps, and the counseling for
4 this new generation. We can do some type of
5 gaming; that's what I think they like.

6 But I had a specific comment, following up
7 from Dr. Woodward, regarding the interaction with
8 dermatologists and prescribers. This is an idea we
9 do for other areas like epilepsy and neurology, to
10 have a pregnancy session around or during the
11 dermatology meetings, where the updates of their
12 results briefly can be presented every year, and
13 then it's an opportunity to get also input and an
14 exchange of information for how it's working.

15 Thank you.

16 DR. LO RE: Dr. Atillasoy?

17 DR. ATILLASOY: Yes. First, I just want to
18 thank everyone for a robust conversation.
19 Actually, in terms of an additional recommendation,
20 I wanted to just take this quickly in another
21 direction. There's been discussion about the
22 benefits of telehealth versus in-patient. I think,

1 ironically, one of the concerns I've seen is that
2 it appears, to me, over the last 10 years or more,
3 that the duration of dosing isotretinoin seems to
4 be getting more and more prolonged and extended.

5 Again, I recommend everyone to take a close
6 look at the U.S. prescribing information. The drug
7 is supposed to be dosed, generally, for 5 months,
8 20 weeks, and there's been some discussions about
9 testing 6 months later and beyond, so I take issue
10 with that.

11 I also want to emphasize while I don't
12 disagree regarding that someone can make an
13 assessment in, let's say, a psychiatric context,
14 the benefit, for example, of having in-person
15 visits in the office, in the clinic, is that
16 dermatologists can make assessments of how the
17 patient's responding to the isotretinoin. So
18 ironically or paradoxically, I myself worry and
19 wonder that with the advent of more telemedicine
20 and not seeing the patient, we may be inadvertently
21 extending the duration of dosing.

22 So actually, recommendations that really

1 reinforce the benefits, if you want to call me old
2 school, fine, but the benefits of seeing a patient,
3 examining the patient, evaluating the cysts, the
4 nodules, et cetera, and how they're progressing,
5 may actually allow us to stay within label and, in
6 general, complete a 5-month course as opposed to 6,
7 7, 8, or 9 months. And I would say that in those
8 cases, that actually can further reduce the burden
9 that I'm hearing about from prescribers, so I
10 wanted to also emphasize those points as well.

11 Again, I still hear comments about IPMG, and
12 in terms of disparities, I understand all that. I
13 would ask others and the specialty to look at other
14 areas for disparity, including the number of
15 dermatologists, for example, in medical
16 dermatology. There are other things that are being
17 done. So not opposed to additional information
18 being sought from the manufacturers in this case;
19 however, let's bring in the entire context as to
20 what may be leading to that kind of disparities and
21 how we can make this more inclusive. Thank you.

22 DR. LO RE: Thank you.

1 Dr. Katz?

2 DR. KATZ: Thank you. I appreciate
3 Dr. Atillasoy's comments. Just to respond to that,
4 when I talk about telemedicine, that includes
5 photographs or videos as well, which are other very
6 good ways, I think, of examining a patient, and not
7 just asking questions by phone or by email, for
8 example, but getting some visual data as well.
9 Thank you.

10 DR. LO RE: Let me summarize the discussion
11 for this question. There were comments about
12 iPLEDGE considering existing, at least in some
13 form, with better tech integration, be it apps or
14 texts, to appeal better to the younger patients who
15 are utilizing the program.

16 There were comments regarding specific
17 questions on the counseling questionnaire on entry
18 of dates, IUD use, and consent regarding completion
19 of free consultation forms. There was an
20 acknowledgment that the change that occurred in
21 2021 may have led to more challenges for
22 pharmacists, prescribers, and patients, and ways to

1 potentially mitigating that in the future, be it
2 with better tech integration or other interventions
3 that should be considered.

4 There were several comments that there
5 should be better consideration that long-acting
6 reversible contraception failure is very low, and
7 that, potentially, there should be special
8 considerations for these patients or ways to make
9 the program a bit simpler.

10 There was a consideration about reassessing
11 if the 7-day window is appropriate or if it should
12 be extended because of prior authorization delays
13 or other issues in accessing prescribers. There
14 was acknowledgment that the electronic calendar
15 that was just recently reimplemented requires
16 logging onto the system and whether there should be
17 other alternative tech solutions that may be easier
18 considered.

19 There were several comments about increasing
20 input from stakeholders, be it from professional
21 societies, patient advocacy societies, with the
22 iPLEDGE system. And particularly IPMG, there were

1 suggestions that maybe FDA should require regular
2 IPMG stakeholder forums to listen to input to
3 gather greater integration mechanisms, to review
4 medical literature regularly, and to have the
5 specialty societies and patient advocates shed
6 light on issues.

7 There was consideration for enhanced
8 awareness on emergency contraception to make this
9 information more accessible for counseling, which
10 could lead to enhanced pregnancy prevention. There
11 were considerations for increasing the use of
12 telemedicine, making it explicit in the provider
13 guide about what is acceptable and what is not.
14 That was countered by the value of in-person
15 visits; that in-person assessments could
16 potentially identify how patients are responding
17 and may enable improvement in retention in the
18 iPLEDGE program.

19 There was consideration for a lack of data
20 overall on the iPLEDGE program and the need for
21 more data on studying the outcomes, the variability
22 in counseling that was present, the need for

1 potentially qualitative studies, and especially
2 more data on the disparities. Disparities in
3 access, disparities in counseling, equity, race,
4 insurance status, and potentially the use of
5 outside data supplemented with improvements in the
6 iPLEDGE platform may enhance this.

7 There was a lack of data also highlighted on
8 other indications for isotretinoin and which groups
9 potentially should not necessarily need to be
10 enrolled, such as those with ichthyosis or
11 neuroblastoma. There was also a suggestion for
12 research dissemination by IPMG or others on a
13 yearly basis at national meetings for transparency
14 and input.

15 Are there any final comments from FDA at
16 this time?

17 DR. LaCIVITA: Dr. Lo Re, thank you. I
18 would like, with your permission, to give Dr. Manzo
19 a second just to kind of update the committee.
20 We've heard a lot about technology and the use of
21 technology, and I think she has a few points that
22 would be helpful to share with the committee, and

1 then I'd like to be able just to wrap up with a
2 few, thank you, if that's ok.

3 DR. LO RE: Sure.

4 Dr. Manzo?

5 DR. MANZO: Thank you, all. I heard Brian
6 Salvas and others talk about potential solutions,
7 technological solutions, and I just want to make
8 the committee aware that FDA is actually working to
9 reduce the burden of REMS, generally, not only the
10 iPLEDGE program but other REMS programs.

11 To that end, we've been working with a
12 number of external stakeholders on the development
13 of an open-source, proof-of-concept REMS
14 integration prototype that leverages data
15 standards, such as data standards used within EHRs
16 and electronic prescribing, and technology to allow
17 for certain REMS activities to be integrated in the
18 workflow of both prescribers and pharmacists.

19 If there's an interest in participating in
20 this, it is open to participation, and we can
21 provide information about how to get involved in
22 that. Thank you.

1 DR. LO RE: Dr. LaCivita?

2 DR. LaCIVITA: Cynthia LaCivita, FDA.

3 On behalf of the FDA team, I want to thank
4 Dr. Lo Re and the committee members for your time
5 that you devoted to the advisory committee meeting
6 over the last two days. We know it's a significant
7 amount of time that you've provided to us. In
8 general, we've heard the committee say that there
9 is a need for more data for some of the metrics.
10 There were lots of good recommendations and
11 suggestions that we'll be taking back for further
12 discussion. And as Dr. Manzo mentioned, the agency
13 is aware of the burden associated with REMS, and we
14 are exploring ways to use technology to reduce
15 burden associated with REMS requirements.

16 So in closing, I just want to mention that
17 we really do appreciate your advice regarding the
18 iPLEDGE REMS, and we hope you have a great
19 afternoon. Thank you.

20 **Adjournment**

21 DR. LO RE: Great. Thanks very much,
22 Dr. LaCivita.

1 We will now adjourn the meeting. I want to
2 thank everybody for their participation and for
3 their help, and have a wonderful rest of your day.
4 Bye bye.

5 (Whereupon, at 3:28 p.m., the meeting was
6 adjourned.)

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