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DEPARTMENT OF HEALTH AND HUMAN SERVICES
FOOD AND DRUG ADMINISTRATION

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CENTER FOR DEVICES AND RADIOLOGICAL HEALTH
MEDICAL DEVICES ADVISORY COMMITTEE

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PUBLIC MEETING - MEDICAL DEVICE USER FEE AMENDMENTS
FOR FISCAL YEARS 2023 THROUGH 2027

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Via Web Stream

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18
19
20
21
22
23
24
25

1	INDEX	
2		PAGE
3	WELCOME AND INTRODUCTION - Lauren Roth	07
4	FDA OPENING REMARKS - Robert Califf, M.D.	08
5	FDA OPENING REMARKS - Jeff Shuren, M.D., J.D.	13
6	FDA OPENING REMARKS - Peter Marks, M.D.	19
7	FDA REMARKS - Lauren Roth	20
8	FDA REMARKS - Michelle Tarver, M.D., Ph.D.	29
9	FDA REMARKS - Melissa Torres, M.E., M.S., C.O.A.	32
10	FDA REMARKS - Felipe Aguel, Ph.D.	34
11	FDA REMARKS - Kathryn Capanna	36
12	FDA REMARKS - Brendan O'Leary	38
13	INDUSTRY PERSPECTIVES - Janet Trunzo, M.S.	50
14	INDUSTRY PERSPECTIVES - Mark Leahey, J.D., M.B.A.	52
15	INDUSTRY PERSPECTIVES - Peter Weems	59
16	INDUSTRY PERSPECTIVES - Thomas Sparkman, J.D.,	
17	M.P.P.	64
18	PROFESSIONAL PERSPECTIVES - Elizabeth Richardson,	
19	M.Sc.	74
20	PROFESSIONAL PERSPECTIVES - S. Raymond Golish,	
21	M.D., Ph.D., M.B.A.	79
22	PROFESSIONAL PERSPECTIVES - Jennifer Dexter	82
23	PROFESSIONAL PERSPECTIVES - Cynthia Bens	87
24	PROFESSIONAL PERSPECTIVES - Michael Abrams,	
25	M.P.H., Ph.D.	93

1	PROFESSIONAL PERSPECTIVES - Paul Conway	98
2	PROFESSIONAL PERSPECTIVES - Amy Ohmer	108
3	PROFESSIONAL PERSPECTIVES - Dylan Simon, M.Sc.	112
4	PROFESSIONAL PERSPECTIVES - Paul Melmeyer, M.P.P.	119
5	OPEN PUBLIC COMMENT	125
6	CLOSING COMMENTS	133
7	ADJOURNMENT	135
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

M E E T I N G

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(12:00 p.m.)

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MS. ROTH: Good afternoon, here on the east coast. Good morning if you are on the west coast. And welcome to FDA'S Public Meeting to discuss the proposed recommendations for the reauthorization of the Medical Device User Fee Amendments or MDUFA. For fiscal years 2023 through 2027, I'm Lauren Roth FDA'S associate commissioner for policy, and I have the privilege of leading FDA'S negotiations during this fifth MDUFA cycle.

I want to thank you all the speakers whose perspectives we'll hear today and welcome all the participants who've joined the webcast. We look forward to the dialogue and we invite you to submit any additional feedback to us via the public docket for this meeting. The deadline for submitting comments is this Thursday, April 21st, and we look forward to reviewing the feedback that we get from the public.

To get us started on the agenda today, I'm delighted to introduce Dr. Robert Califf. Dr. Califf was confirmed earlier this year as 25th Commissioner of food and drugs. As commissioner, Dr. Califf oversees the full breadth of FDA'S portfolio and

1 execution of the Federal Food Drug and Cosmetic Act
2 and other applicable laws. This includes ensuring
3 safety, effectiveness, and security of human and
4 veterinary drugs, vaccines, and other biological
5 products for human use and medical devices.

6 The safety and security of our nation's food
7 apply cosmetics, dietary supplements, and products
8 that give off electronic radiation. As well as the
9 regulation of tobacco products.

10 Given the breadth of Dr. Califf's work, we're
11 very privileged to have him join us here today. It's
12 his second stint as commissioner. He also served in
13 2016 at the 22nd Commissioner of FDA and before
14 assuming the position at that time, he had served as
15 FDA'S Deputy Commissioner for medical products and
16 tobacco.

17 Dr. Califf, thank you for joining us here
18 today. And with that, I will kick it over to you.

19 DR. CALIFF: Thanks, Lauren, it's really great
20 to be here with all of you. And I want to welcome
21 everyone to today's meeting to discuss a proposed
22 agreement to reauthorize and improve the Medical
23 Device User Fee Program for the next five years.

24 Your participation in this conversation is
25 essential. And I especially want to thank today's

1 presenters who reflect a broad spectrum of
2 perspectives from the agency, industry, patients,
3 consumer advocates, physicians, and academics. It's
4 important that we all engage in these different
5 stakeholders as we consider the current
6 reauthorization of the Medical Device User Fee
7 Program.

8 User fees have played an increasingly important
9 role in supporting the FDA's work to promote and
10 protect public health since Congress first authorized
11 the MDUFA program nearly 20 years ago. User fee
12 resources have enabled FDA to transform and
13 strengthen the predictability and transparency of the
14 device review process. And then provided essential
15 support and so many ways for the work we do.

16 I was pleased I was able to support the
17 agency's work and reaching the MDUFA IV agreement in
18 2016, during my first stint at FDA. And recognized
19 the privilege of getting a redo opportunity here,
20 very exciting. That agreement allowed the FDA to
21 continue making progress on reducing review timelines
22 in making important medical devices available to
23 patients more quickly.

24 It also laid the foundation for several
25 important programs including advancing the use of

1 high-quality real-world evidence to support
2 regulatory decisions making and I emphasize high
3 quality here because if there's one sort of pet peeve
4 I have it's glomming all of this together and really
5 essential that we work on defining quality for
6 regulatory purposes.

7 Secondly, supporting patient input and
8 involvement in the regulatory process. And thirdly
9 helping agency develop our capabilities to foster
10 responsible high-quality innovation and digital
11 health technologies. One of the most rapidly
12 advancing areas of med-tech innovation.

13 Those are just a few of the examples of the
14 areas that thanks to the MDUFA program the FDA
15 continues to lead the way in regulatory science
16 innovations that improve the process for device
17 review and ultimately the lives of patients. It's my
18 great honor to be back at the FDA for the second turn
19 as commissioner to once again support the agency in
20 reauthorizing MDUFA.

21 The current agreement provides a significant
22 infusion of resources. These resources will help
23 address critical gaps and allow the FDA to strengthen
24 its capacity to assess new medical device
25 technologies and provide a more predictable

1 transparent path to market. The agreement also looks
2 to the future with new investments to expand FDA's
3 programmatic capabilities in critical areas.

4 I want to highlight one aspect of the
5 commitments in the agreement concerning patient
6 involvement and how we incorporate their perspectives
7 and experiences into the regulatory process.

8 One of the areas that's been the focus of my
9 work not just from my previous tenure at FDA but as a
10 clinician and researcher, has been how we strengthen
11 the quality, quantity, and methods of inquiring the
12 evidence necessary to make the best-informed
13 regulatory decisions. And the full participation of
14 patients and consumers is a key piece of this
15 process. Patient input and the development of
16 clinical studies and other forms of evidence
17 generation helps ensure that evidence reflects what
18 matters most to patients and caregivers. And patient
19 access to useful, understandable information about
20 medical devices helps ensure that they have the tools
21 to inform their healthcare decision-making.

22 I also want to underscore the essential need to
23 include diverse patient populations in the
24 development of medical products including devices.

25 In order to ensure the best and most effective

1 treatments for the broadest number and diversity of
2 people. There must be meaningful participation by
3 populations most likely to use the products if
4 approved.

5 FDA has worked for many years to advance
6 clinical trial enrollment practices that help foster
7 diversity in the evidence generation process. Last
8 week we issued a new draft guidance to industry for
9 developing plans to enroll more participants from
10 underrepresented racial and ethnic populations in the
11 U.S. into clinical trials.

12 We must continue to focus on this issue and
13 expand those included in clinical trials as far too
14 many groups including racial and ethnic minorities in
15 rural populations are still underrepresented.

16 I'm pleased that the proposed MDUFA V agreement
17 will support these and other efforts that strengthen
18 the FDA's continued work with industry, patients, and
19 other stakeholders, and improve patient engagement
20 across device development and evaluation process.

21 MDUFA V will build on the success in a number
22 of ways including supporting first supporting FDA's
23 efforts to use innovative technologies to capture
24 patient input and reduce patient burden, to inform
25 the design and conduct of clinical studies. Second,

1 holding a public meeting to explore ways to use
2 patient-generated data to help advance remote
3 clinical trial data collection and support clinical
4 outcome assessments. Third, advancing FDA's work to
5 foster the inclusion of diverse patient perspectives
6 in the medical device development and evaluation
7 process. It's a very strong and forward-looking
8 agreement that will allow us to continue the progress
9 we've made. In closing, I want to thank all of you
10 for being here today to provide your perspectives on
11 what the next five years of the MDUFA program should
12 include. We look forward to your feedback.

13 MS. ROTH: Thank you again, Dr. Califf. And now
14 I would next like to introduce Dr. Jeff Shuren, the
15 Director of FDA Center for Devices and Radiological
16 Health or CDRH at FDA. Dr. Shuren has served at
17 center director since 2009 but has held other policy
18 and planning positions within the agency since 1998.
19 And his involvement in the MDUFA process has lasted
20 nearly as long as his tenure at FDA. Dr. Shuren has
21 been involved in each of the MDUFA reauthorizations
22 beginning with MDUFA II, so to say he brings a
23 reservoir of experience with this undertaking would
24 be an understatement. Dr. Shuren, welcome.

25 DR. SHUREN: When FDA began the MDUFA

1 reauthorization process in October 2020, we asked
2 ourselves how the medical device ecosystem should
3 continue to evolve in the future and what FDA and
4 industry could do through the MDUFA program to help
5 make that future a reality. The medical device
6 ecosystem in the United States is characterized by
7 tremendous breadth. FDA regulates more than 230,000
8 different devices, which are manufactured by more
9 than 18,000 firms in more than 25,000 medical device
10 facilities worldwide.

11 The ecosystem is also characterized by
12 tremendous innovation. Progress in science and
13 technology offers extraordinary opportunities to
14 develop innovative medical products that can save
15 lives, lead to better treatments, better diagnostics,
16 and better care for patients, but only if they are
17 safe and effective. In considering this landscape,
18 FDA established three overarching goals for the MDUFA
19 V reauthorization.

20 First, we sought to continue enhancing the
21 operational success of the program, reducing device
22 development times and further accelerating patient
23 access to high-quality, innovative, safe, and
24 effective devices.

25 Second, we sought to optimize the agency's

1 infrastructure, staffing, and resources to keep pace
2 with scientific development, including addressing
3 funding shortfalls during the MDUFA IV due to higher
4 than anticipated workloads. And third, we sought to
5 improve device safety across the total product life
6 cycle. I'm pleased that we have reached a proposed
7 agreement that will help us succeed in all three
8 goals.

9 Notably, the agreement reflects a commitment to
10 the foundation of the MDUFA program by infusing more
11 resources and people to support review of device pre-
12 market submissions. And during MDUFA IV, FDA's
13 workload reached some of its highest levels in key
14 areas. In particular, we saw tremendous growth in
15 the pre-submission review program and the
16 breakthrough devices program. And these increases
17 show no signs of plateauing in the foreseeable
18 future.

19 MDUFA V will provide critical resources to
20 ensure the operational success of the program as we
21 handle this rising workload. Not only that the
22 agreement includes an innovative new accountability
23 mechanism for add-on payments, unique to MDUFA V. If
24 FDA meets specified performance goals for certain
25 types of pre-market submissions, in fiscal years 2023

1 to 2025, we'll apply additional user fees in fiscal
2 years, 2025 to 2027 to support improvements in those
3 goals. This will enable us to review an even larger
4 number of pre-market submissions within the
5 predictable review timeline specified in the
6 commitment letter or to further expedite review.

7 The agreement also reflects critical
8 investments in the future of the program to assure
9 that FDA has the scientific and technical expertise
10 we need to handle oversight review of the robust
11 pipeline of new technology. MDUFA V includes
12 investments to strengthen FDA's expertise, to
13 evaluate real-world evidence, digital health
14 technologies, and patient-generated health data as
15 part of the device review process.

16 In addition, the agreement reflects a
17 commitment to process and programmatic enhancements
18 that are designed to lead to more timely patient
19 access to new devices, including devices expect to be
20 safer than currently available treatments and
21 diagnostics while continuing to uphold FDA standards.

22 In particular, MDUFA V pilots an innovative
23 program, the Total Product Lifecycle Advisory Program
24 Pilot, or the TAP pilot for short, to provide earlier
25 more frequent, and more strategic engagement with

1 sponsors of products designated under the
2 breakthrough devices program or included in the safer
3 technologies program.

4 The TAP Pilot will build upon lessons learned,
5 not only from these programs but also our experience
6 engaging with sponsors through the pre-EUA process as
7 part of our COVID-19 pandemic response efforts.

8 The pilot is designed to help innovators avoid
9 pitfalls in early product development to better
10 ensure a clear predictable path to market and to
11 continue to foster the innovation pipeline. FDA will
12 implement the pilot during MDUFA V and provide a
13 public report on progress no later than January 2026.
14 Importantly, the MDUFA V agreement also reflects
15 enhancements to programs designed to improve the
16 overall efficiency and predictability of the device
17 review process.

18 These enhancements include for the first time,
19 user fee resources to support FDA's work, to improve
20 the efficiency of global regulatory systems for
21 medical devices through international harmonization
22 and convergence of regulatory requirements.

23 They also include continuation of the
24 accreditation scheme for conformity assessment pilot,
25 which was launched under MDUFA IV to encourage

1 medical device sponsors to use FDA recognized
2 voluntary consensus standards in their product
3 submissions, as a means of both reducing regulatory
4 burden and fostering product quality. Under MDUFA V,
5 FDA aims to complete the pilot and transition to a
6 permanent program.

7 With these as well as other enhancements, the
8 proposed MDUFA V agreement will help sustain and
9 bolster the success of device review program in the
10 years to come. FDA has demonstrated time and time
11 again, that we do our best to meet and even exceed
12 our commitments. And the fact that there are more
13 safe and effective medical devices on the market,
14 more options for patients than at any other time in
15 US history, is a testament to these ongoing efforts.

16 Although, FDA will continue to face significant
17 challenges due to COVID-19 pandemic's continued
18 impact on our day-to-day work. The MDUFA V agreement
19 will be instrumental in getting the program fully
20 back on track, allowing patients to continue to
21 benefit from the robust innovation pipeline for
22 medical devices in the United States. I want to echo
23 Dr. Califf's thank you for your participation in the
24 meeting today. And I want to thank my center
25 colleagues for their efforts in organizing this

1 meeting. We look forward to the dialogue. Thank
2 you.

3 MS. ROTH: Thank you, Dr. Shuren. Next, I'm
4 pleased to introduce Dr. Peter Marks the Center
5 Director for FDA Center for Biologics Evaluation and
6 Research or CEBR. This is the center responsible for
7 ensuring the safety and effectiveness of biological
8 products including vaccines, allergenic products,
9 blood, and blood products and cellular tissue, and
10 gene therapies. Including devices.

11 Dr. Marks joins the FDA in 2012 as Deputy
12 Center Director for CEBR and he became center
13 director in 2016. Dr. Marks is Board certified in
14 internal medicine hematology and medical oncology as
15 well as being a fellow in the American College of
16 Physicians we're really pleased to have you here
17 today, Dr. Marks. And I'm going to turn it over to
18 you.

19 DR. MARKS: Thanks very much. So I also want to
20 echo Dr. Califf and Dr. Shuren's thanks for your
21 participation in the MDUFA reauthorization process.
22 And I especially thank the presenters on today's
23 agenda who reflect a spectrum of perspectives from
24 the agency, industry, patients, consumer advocates,
25 physicians, and academics. My remarks otherwise will

1 be brief.

2 CEBR regulates only a small percentage of
3 devices including those involved in screening of the
4 blood supply, certain in infectious disease
5 diagnostic tests, and those involved in the
6 preparation of blood components or tissue products.
7 However, those devices have significant importance
8 for public health, and we take our responsibilities
9 seriously for helping to facilitate their development
10 and appropriate regulation.

11 During MDUFA IV we aimed to achieve and remain
12 an excellent alignment with CDRH in executing new
13 policies and achieving the necessary commitments and
14 we look forward to doing the same as we move into
15 MDUFA V.

16 So as with CDRH, we'll do our absolute best to
17 meet and exceed the commitments outlined in the
18 agreement and that will most benefit the medical
19 device ecosystem and the American public. So thank
20 you once again for taking the time out of your day to
21 participate in this session.

22 MS. ROTH: Thank you, Dr. Marks. And so with
23 that, we are really again very pleased to have had
24 our colleagues Dr. Califf, Dr. Shuren, and Dr. Marks
25 join us here today. And what we would like to do

1 next is turn to the rest of the agenda for today.

2 We were going to kick things off with FDA
3 colleagues from CDRH. Can I ask the studio to show
4 the slides? I think they are being shown at this
5 point. All right. We're going, to begin with
6 remarks from CDRH colleagues and I am very pleased
7 that I'll be joined on this initial discussion by Dr.
8 Michelle Tarver, CDRH'S Deputy Director for the
9 Office of Strategic Partnerships and Technology
10 Innovation.

11 I'm also joined by Melissa Torres the Associate
12 Director for international affairs, Dr. Felipe Aguel,
13 Deputy Director for the Office of Clinical Evaluation
14 and Analysis, and the Office of Product Quality
15 Evaluation and Quality. Katie Capanna the Deputy
16 Director for the division of all hazards, response,
17 science, and strategic partnerships from the Office
18 of Strategic Partnerships and Technology Innovation.
19 And finally Brendan O'Leary the acting director for
20 the Division of Digital Health.

21 We can go to the next slide, please. Following
22 this presentation we'll be joined by our colleagues
23 from industry to provide their perspectives on the
24 MDUFA reauthorization, we'll have a short break, and
25 then we'll be joined by our colleagues and advocates

1 from the Patient Consumer Scientific Academic and
2 Health Professional Communities to provide their
3 perspectives on the agreement.

4 We'll conclude with an open public comment
5 period, and we appreciate those members of public who
6 registered to provide comments during that period.

7 Finally, a few closing remarks as well as
8 during that period an opportunity for questions
9 that -- for the FDA panel that we will be collecting
10 during the course of the meeting. Next slide. So
11 without further ado, the MDUFA V reauthorization --
12 next slide, please. Each cycle of MDUFA has built on
13 successes and we've learned from the challenges
14 revealed by the previous cycles as was mentioned at
15 the outset, this agreement represents the fifth MDUFA
16 reauthorization. And as you can see from the graphic
17 here, each one of the agreements has expanded and has
18 enhanced, and really stood on the foundation of the
19 prior MDUFA agreements.

20 And there's really a lot for the FDA and for
21 industry to be proud of in terms of what we have been
22 able to achieve as part of these MDUFA agreements.
23 And to some extent, this achievement is reflected in
24 the independent assessments that are commissioned as
25 part of the MDUFA agreements. And so during MDUFA

1 IV, we commissioned an independent assessment, it was
2 handled by Booz Allen Hamilton. And I just wanted to
3 call out one the findings from the agreement, which
4 you can see here, overall "CDRH'S actions have
5 positively impacted efforts to enhance and improve
6 medical device submission review." And that's what
7 we hope to continue and to build upon in the MDUFA V
8 reauthorization. Next slide.

9 Seeing that the MDUFA V agreement included the
10 following high-level categories. Of course, review
11 performance, the MDUFA V agreement introduced a new
12 goal structure with opportunities for add-on payments
13 as Dr. Shuren mentioned. As well as improving goals
14 for PMA total time to decision, 510(k) time to
15 decision, pre-submissions, and De Novo submissions.

16 Program improvements, as Dr. Shuren mentioned,
17 we will be launching a TPLC Advisory Program Pilot
18 during MDUFA V as well as enhancing programs that
19 support patient, science, and engagement. Real-world
20 evidence, consensus standards, digital health, and
21 international harmonization.

22 Hiring and retention. The MDUFA V agreement
23 includes a keen focus on the agency's hiring and
24 retention practices. In particular, it provides
25 needed resources to help support the agency's efforts

1 to bring on new staff to help administer the MDUFA
2 program. It also includes goals to enhance hiring
3 and the retention of world-class scientific and
4 technical expertise.

5 Performance accountability is also a strong
6 focus of the MDUFA five agreement. And both FDA and
7 industry shared a goal as part of these MDUFA V -- as
8 part of the MDUFA V reauthorization to ensure that we
9 have a high-quality program that was managed by
10 quality and focus on the performance of the program
11 itself. And part of the way in which we do that is
12 we have regular audits that are undertaken by CDRH'S
13 quality management team as well as I mentioned,
14 independent assessments by an outside auditor.

15 Finally, financial transparency. The MDUFA V
16 agreement included new accountability mechanisms
17 around financial transparency for the program
18 including enhanced reporting. We're going to go
19 through each of these categories in a bit more detail
20 and as I mentioned I'm joined by my colleagues from
21 CDRH to talk about some of the areas in which the
22 staff from the center will be -- they have their
23 subject matter expertise, and they will be
24 responsible for implementation of some of the
25 enhancements under MDUFA V. Next slide.

1 So starting with review performance, as I
2 mentioned MDUFA V really builds on the foundation
3 that was established through hard work of industry
4 and FDA in the prior MDUFA agreements. So in many
5 respects, the review performance goals were already
6 optimized coming into MDUFA V.

7 However, there were a few areas that needed
8 additional focus as part of the negotiations given
9 either rising center workload or other outside
10 impacts such as the impact of the COVID-19 pandemic
11 on the agency's workload.

12 As I mentioned the first one of those
13 categories pre-submissions. The pre-submission
14 program as most of you may know, provides an
15 opportunity for sponsors to engage with FDA before
16 they submit a marketing submission, whether it's
17 510(k), De Novo, or PMA. They can come to the agency
18 with questions and in those questions are channeled
19 through by and large the pre-submission program.

20 During MDUFA IV we saw a significant rise
21 interest by the industry in participating in the pre-
22 submission program. And so it is an important going
23 into MDUFA V that the program be adequately resourced
24 to handle the rising volume in this workload.

25 It was also important to improve the

1 performance goals. The pre-submission program was
2 really in its early stages as the agency and industry
3 were negotiating MDUFA IV, the last MDUFA agreement.

4 But now with five additional years of that
5 program under our belts, we can see the benefit of
6 trying to bring the pre-submission goals more in line
7 with other performance goals in the agreement and
8 having a percent-based structure for those goals.
9 And so we worked with industry colleagues to develop
10 a goal structure that would help address the rising
11 volume of pre-submissions as well as to bring goal
12 structure more in line with other parts of the MDUFA
13 agreement.

14 In addition, another focus of the agreement was
15 on the total time to decision goals. Total time to
16 decision is a shared outcome goal between FDA and
17 industry and there are two. One relates to 510(k)'s
18 and one to PMA'S. Industry and FDA worked very
19 closely and very hard to ensure that we were
20 optimizing the 510(k) and the PMA total time to
21 decision goals.

22 In addition, we talked about the need and the
23 opportunity to optimize the De Novo decision goal.
24 This is one of FDA's review performance goals. In
25 all three areas as we looked at the MDUFA agreement,

1 in addition to pre-submissions, we saw opportunity
2 for improvement.

3 And so what we agreed to do, as you all will
4 see and as you can see in the agreement, is to both
5 maintain and improve upon this goal structure. And
6 we did that through a mechanism -- a novel mechanism,
7 in the agreement that provides guaranteed funding to
8 the agency. As well as the opportunity for add-on
9 payments if in the early years of MDUFA were
10 successful in meeting the goals. And so we have this
11 structure which provides stability for the program,
12 as well as accountability for meeting the goals
13 through a structure that provides for add-on payments
14 for 510(k), shared outcome total time to decision,
15 PMA shared outcome total time to decision, the De
16 Novo decision day goal as well as for the pre-
17 submissions goal.

18 Finally, FDA and industry worked together to
19 establish a new performance goal related to
20 communicating clearly in FDA deficiency letters.
21 What we've agreed to is to establish an escalating
22 role whereby a percent of the deficiency and
23 additional information letters will include a
24 statement for the basis of the deficiency during the
25 course of MDUFA V. Consistent with our guidance.

1 Next slide, please.

2 In terms of program improvements, Dr. Shuren
3 gave an overview of the TAP Pilot, but I'll spend a
4 minute here, and then I will also turn it over to
5 some of my colleagues to talk about other aspects of
6 the program improvements that are included in the
7 MDUFA draft commitment letter.

8 So what is the TAP Pilot? As Dr. Shuren
9 mentioned, this is an opportunity for FDA to launch a
10 voluntary pilot program in order to provide an
11 opportunity for earlier and more frequent interaction
12 between sponsors of breakthrough and STeP designated
13 products and the FDA. The idea here is to facilitate
14 coordination of earlier and more strategic input from
15 the agency as well as from other stakeholders. It
16 will focus on breakthrough and STeP as I mentioned
17 and the concept for this pilot is to employ lessons
18 learned from the existing breakthrough program. As
19 well as from the agency's experience with COVID-19
20 submissions in the pre-emergency use authorization
21 process that we had in order to help expedite, review
22 of COVID-19 related products.

23 FDA and industry are going to explore how this
24 program works during MDUFA V, assess the impact of
25 the pilot on these products, and look for where there

1 may be opportunities for further improvement as we
2 move into MDUFA VI. Next slide, please.

3 Patient science and engagement also an
4 incredibly important focus of the agreement as Dr.
5 Califf mentioned and for that, I'd like to turn it
6 over to my colleague Dr. Michelle Tarver.

7 DR. TARVER: Thank you very much, Lauren. As
8 you heard from the opening remarks, patients are
9 truly the bedrock of the work done at FDA. Our
10 commitment to foster patient science and engagement
11 at CDRH began during those 2010 townhalls where our
12 Director Dr. Jeff Shuren traveled the nation speaking
13 to and hearing from patients as well as other
14 stakeholders. It was solidified in our 2012 vision
15 statement where patients as the first word because
16 they are our most important customers.

17 It was further actualized in the 2016-2017
18 strategic priority, entitled Partnering with
19 Patients. Where we began cultivating a culture of
20 engagement and proactively incorporating patient
21 perspectives in our regulatory activities. This
22 early work laid the foundation for the formal
23 establishment of the Patient Science and Engagement
24 Program under MDUFA IV

25 As we have witnessed over the years we've

1 accomplished much and grown the program. Under the
2 proposed MDUFA V agreement we will expand and mature
3 work on patient science and engagement.

4 Specifically, CDRH will facilitate patient
5 engagement for the generation of patient-friendly
6 educational content. By ensuring that patients
7 understand the considerations and medical device
8 development, evaluation, and surveillance we can
9 better empower them to be active agents in regulatory
10 process. We will also transparently communicate our
11 recommendations to industry and other stakeholders on
12 approaches to generate robust, well-defined measures
13 of the patient experience through guidance.

14 Specifically, we will work collaboratively to
15 issue draft guidance on incorporating clinical
16 outcome assessments into premarket studies as well as
17 updating patient preference information guidance.
18 Building on the theme of clear recommendations and
19 training, we will train and hire additional experts
20 to review patient experience data. This includes
21 patient-reported outcomes, patient preference
22 information, and patient-generated health data. Over
23 the years we have seen that sharing concrete examples
24 and lessons learned with the public can help improve
25 the regulatory predictability and impact of patient

1 science. Whether it's examples of tools to collect
2 patient experiences, or studies reflecting diverse
3 patient preferences, we will continue to share
4 examples where possible.

5 Lastly, our country has increasingly become
6 aware that health inequities exist in various
7 population and that the medical products used to
8 diagnosed and treat health conditions are not always
9 developed or evaluated in a manner that includes
10 diverse patients or their experiences. CDRH'S 2022-
11 2025, strategy priorities reflect our commitment to
12 advance health equity as does our proposed MDUFA V
13 agreement.

14 We will further explore ways to advance health
15 equity by incorporating data and perspectives from
16 diverse patients. One exciting opportunity where we
17 are seeing an explosion of innovation is with
18 patient-generated health data. This data which can
19 be collected by wearables, consumer products like
20 smartphones, and other sensors has the potential to
21 provide texture and richness to the understanding of
22 the patient experience living with their condition
23 and the impact of interventions on their day-to-day
24 lives.

25 We plan to hold a public meeting on patient-

1 generated health data for collecting clinical outcome
2 assessments as well as for remote clinical trials.
3 We see this technology as a bridge to inclusivity
4 promoting diversity and equity in clinical research
5 and clinical care.

6 The MDUFA V agreement as proposed will allow
7 CDRH (indiscernible 00:38:33) to make strides in
8 ensuring patients, all patients, have measures that
9 reflect their experiences with medical devices. And
10 with that, I would like to turn it to Melissa Torres
11 to talk about international harmonization. Next
12 slide.

13 MS. TORRES: Thanks, Michelle. So we are
14 certainly pleased that we are able to negotiating
15 goals surrounding international harmonization efforts
16 emphasizing the importance of harmonization and
17 convergence of regulatory requirements. Under the
18 proposed MDUFA agreement we plan to advance
19 international harmonization efforts by committing to
20 several goals.

21 First, we commit to expand our engagement in
22 international harmonization and convergence efforts
23 through participation with international regulators
24 and other key stakeholders in various forms, working
25 groups, projects, and committees to be able to

1 promote alignment with international best practices.

2 Some of these examples of efforts include IMDRF
3 which we're currently engaged in, but with additional
4 resources, we would be able to expand engagement in
5 other initiatives, such as global harmonization
6 working project, WHO, APAC, and other regional
7 harmonization initiatives and various international
8 projects.

9 Our second goal is to be able to support
10 regulatory convergence by creating a mechanism of
11 which FDA will be able to work with our regulatory
12 partners to be able to inform and align our
13 international regulatory strategies.

14 For example, this can include sharing of our
15 practices, policies, related to scientific clinical
16 or other technical types of information. Another
17 goal is to be able to support the creation of a forum
18 to engage relevant stakeholders including industry
19 and other regulators to look at ways and
20 opportunities for us to be able to leverage
21 regulatory approaches which became very important
22 during the COVID-19 pandemic.

23 We also hope to be able to increase our
24 participation outreach activities to be able to
25 encourage other regulatory authority to rely either

1 in whole or in part on our FDA marketing
2 authorizations.

3 And finally, to be able to enhance the clarity
4 and transparency of our international harmonization
5 activities we plan to issue a draft strategic plan in
6 fiscal year 2023 and to be able to then publish
7 annual assessments of our activities to ensure that
8 we are really enhancing clarity and transparency of
9 our goals and efforts to surrounding regulatory
10 harmonization and convergence efforts.

11 In addition to a show additional accountability
12 we'll also explain the extent of our FDA
13 implementation of our IMDRF draft technical
14 documents. Now, I'd like to turn it over to Dr.
15 Felipe Aguel to cover real-world evidence goals.
16 Thank you.

17 DR. AGUEL: Thank you, Melissa. User fee
18 revenue will be used by FDA for the continued
19 development of methods and policies to advance
20 regulatory acceptance of real-world evidence in
21 premarket submissions. This includes premarket
22 submissions seeking expanded indications for use. As
23 well as clear and sort of approval of new devices.
24 To this end, FDA has committed to update the 2017
25 Real World Evidence Guidance document to provide more

1 clarity and what's needed to demonstrate a real-world
2 dataset is fit for purpose for premarket regulatory
3 acceptance. Provide examples of previously used and
4 accepted methodologies and provide best practices for
5 review of real-world evidence.

6 FDA will also continue to advance its training
7 program for review staff, including medical
8 reviewers. FDA will provide transparent program
9 development updates and transparent financial
10 accounting of user fee revenue, used for this
11 purpose. This includes updating stakeholders at two
12 or more public meetings during the course of MDUFA V
13 and tracking the reporting on experts hired to
14 support review of real-world evidence and
15 submissions.

16 Finally, user fee funds could be used to
17 continue to support the National Evaluation System
18 for Health Technology or NEST. If FDA chooses to do
19 so, the letter stipulates how the funding should be
20 you'd by NEST. FDA will also solicit public input on
21 how the funding would be used if FDA were to choose
22 to fund other external organizations to advance the
23 use and acceptance of real-world evidence in
24 premarket submissions. Thank you. With that, I'll
25 turn it over to Katie Capanna.

1 MS. CAPANNA: Thank you, Felipe. And good
2 afternoon, everyone. Thank you for joining us. I'm
3 presenting on behalf of our standards program here at
4 FDA. And before I walk through the commitments, I'll
5 provide just a little bit of background to help you
6 understand the important role that consensus
7 standards play in FDA's review. And also in helping
8 to assure the safety and effectiveness of medical
9 devices around the world.

10 So standards are essentially test methods or
11 guidelines that are developed through consensus-based
12 process run by national or international
13 organizations. And they cover fundamental aspects
14 such as basic safety or essential performance, for
15 example, biocompatibility, or standard requirements
16 for medical, electrical equipment.

17 And there are currently over 1,000 consensus
18 standards that are officially recognized by the FDA
19 which essentially means that when manufacturers
20 follow the standard correctly, they meet FDA's
21 requirements in that area. And during the COVID
22 response, FDA relied heavily on international
23 standards.

24 As the nation was dealing with widespread
25 shortages of essential devices such as covid

1 diagnostic tests and supplies, respirators, other
2 types of PPE, and other devices. FDA was using every
3 tool we could to increase the availability of
4 appropriate alternatives in the United States.

5 And by leveraging international standards we
6 were able to much more rapidly assess alternative
7 manufacturers for potential Emergency Use
8 Authorization which is essential for admitted gating
9 the effects of the shortages.

10 The MDUFA V commitment centered around
11 voluntarily ASCA Program or Accreditation Scheme for
12 Conformity Assessments. The goal of this program is
13 to significantly streamline the reviews for
14 submissions that involve ASCA standards to help
15 ensure timely access for patients to safe, effective,
16 and high-quality medical devices.

17 Programs does this by raising confidence among
18 manufacturers and amongst the FDA reviewers and the
19 testing that's completed by ASCA accredited testing
20 laboratories. During the pilot we conducted under
21 MDUFA IV we developed strong relationships with the
22 test labs and the accreditation bodies, and at the
23 same time, the stakeholders are upping their game
24 which will have positive ripple effects for safety
25 and device quality.

1 Based on early successes and industry's work --
2 industry's interest in this work under MDUFA V we
3 proposed to take the lessons learned from the ASCA
4 pilot to transition to a sustainable expanded program
5 by FY24 and report on the performance of the pilot.

6 We'll continue to work with stakeholders to
7 inform how we will enhance and expand the program.
8 We will continue to train testing laboratories as
9 well as FDA reviewers to execute the process as
10 designed and intended. We will incorporate existing
11 international conformity standards and practices
12 where appropriate. We will continue to report
13 publicly on the progress of the program. And with
14 that, I'll thank you for your attention and turn it
15 to Brendan O'Leary.

16 MR. O'LEARY: Thanks, Kate. I'm excited to
17 speak with you a little bit today about the progress
18 we'll be building on for MDUFA IV in our digital
19 health program.

20 Under our MDUFA IV commitments, we established
21 the Division of Digital Health as centralized unit of
22 digital health experts who can support digital health
23 product reviews across agency and particularly across
24 medical devices. We built on that in 2020 with
25 launch of the Digital Health Center of Excellence.

1 In addition, we streamlined and aligned FDA
2 review processes with software lifecycles for digital
3 health products and explored new regulatory
4 frameworks that are better suited to the rapid
5 innovation cycle in this space. And we participated
6 in international harmonization efforts through the
7 International Medical Device Regulators Forum and
8 other multi-lateral efforts, such as issuance of
9 machine learning practices and principles.

10 Under MDUFA V we're going to continue to build
11 on all of this progress. And in addition, we're
12 going to finalize device software functions guidance
13 and publish new draft guidance on modification
14 control plans, particularly for artificial
15 intelligence and machine learning medical devices.
16 We're excited to continue to build on this progress
17 in MDUFA V. And with that, I'll turn it over to
18 Lauren Roth.

19 MS. ROTH: Thank you, Brendan. And thank you,
20 everyone. If we can go to the next slide, please.
21 As I mentioned at the outset the MDUFA agreement
22 includes a focus on hiring and retention. In
23 particular, it funds strategic hiring and retention
24 pay.

25 Enhancements to the medical device review

1 program require that FDA recruit and retain highly
2 qualified and diverse workforce. And we're really
3 pleased that our industry partners are recognized the
4 need for FDA to increase its hiring efforts as part
5 of MDUFA V through additional funding for this
6 expertise.

7 Moreover one of the things we faced coming into
8 MDUFA V negotiations was a challenge related to our
9 payroll costs. What we saw during MDUFA IV was that
10 rising payroll costs in CDRH and in CEBR were
11 contributing to a shortfall in the center's ability
12 to fund the existing staff ceiling we had in the
13 program.

14 And so we're very pleased that MDUFA V
15 incorporates funding mechanisms to help make up for
16 that shortfall as well as to ensure the stability of
17 the program for the MDUFA V cycle. Related to that
18 it was really important both to FDA and to industry
19 that the program established annual hiring targets as
20 an accountability mechanism to ensure FDA was keeping
21 up with its -- with the expectations that had been
22 built into the MDUFA agreement around hiring for the
23 program.

24 So what you'll see in the agreement is that
25 there are annual hiring targets, minimum annual

1 hiring targets, built into the agreement. As well as
2 an agreement by FDA's part that if those targets are
3 missed, the FDA would provide an offset to
4 registration fees in a future year. Essentially
5 ensuring that either the money is used to help
6 support hiring in the program or it's used to provide
7 an offset in a form of registration fee offsets in a
8 future year. Next slide.

9 There was also a focus on performance
10 accountability and that came through in two ways. As
11 I mentioned at the outset, first, continuing to
12 resource CDRH'S Quality Management and
13 Organizational Excellence Program. This is a program
14 within CDRH that helps facilitate process
15 improvements through audits of CDRH processes and
16 through the sharing of best practices that are
17 learned from those audits.

18 In addition, we will have not one but two
19 independent assessments as part of MDUFA V. The
20 first assessment will look at the methodologies as
21 well as the data and other metrics available to
22 represent the MDUFA workforce. This is tied in with
23 the hiring goals that I mentioned earlier. It's very
24 important to industry as well as to the FDA to have a
25 good 360 view of the MDUFA workforce and right now we

1 were unable to answer some of the questions that
2 industry and others have had about the number of
3 people in the center who do MDUFA related work.
4 Because of the historic wait agency has tracked MDUFA
5 effort is through a calculation of a full-time
6 equivalent and not individual staff members.

7 So as part of MDUFA V, we'll be doing an
8 independent assessment to look at the methodologies
9 and metrics available to assess the MDUFA workforce
10 including an assessment of positions that are filled
11 or vacant, MDUFA process, FTEs or full-time
12 equivalents, and a determination of the staff and the
13 FTEs that are funded by user fees and budget
14 appropriations.

15 In addition, we will continue to do the
16 programmatic assessment that we've had in years past
17 and this year -- in this cycle, it will be a targeted
18 assessment for the process of review device
19 applications. Next slide.

20 This sort of collects all in one place the
21 various forms of financial transparency that are
22 included in the MDUFA V agreement. There is of
23 course the financial framework itself with the
24 guaranteed base funding as well as the opportunity
25 for the add-on fees to improve review performance

1 goals if the initial goals are met.

2 As part of financial transparency, the agency
3 will annually -- will publish a five-year financial
4 plan and it will update that plan on an annual basis.
5 That plan will include additional information in
6 addition to what is already provided as part of
7 annual financial reports that are posted publicly on
8 our website.

9 In particular, what the financial plan will
10 include among other things is more information about
11 the payroll costs for our staff and FTE. Related to
12 the carryover balance for those who aren't familiar
13 with the carryover balance, essentially this is the
14 fund that is available if user fees are not spent in
15 any given year. They are stored in a fund called the
16 carryover balance fund and available for future
17 years' use by the program.

18 There's right now a substantial amount of
19 investment in the carryover balance, and through the
20 negotiations, FDA and industry have agreed to utilize
21 118 million of those funds in support of MDUFA v
22 programs.

23 In particular, the 118 million will help
24 support during MDUFA V the launch of the TAP pilot as
25 well as continuation of the Third-Party Review

1 Program from MDUFA four.

2 We've also agreed to establish a ceiling on the
3 carryover balance. So bringing the MDUFA program in
4 mind with other user fee programs like PDUFA, MDUFA,
5 and PSUFA.

6 The ceiling we've proposed will be 13 weeks
7 after which point if the carryover balance were to
8 grow beyond the 13-week ceiling those funds would be
9 returned to industry through offsets to registration
10 fees. Hiring goals as I mentioned, the MDUFA
11 agreement includes annual hiring goals as well as
12 hiring fee adjustment and finally the independent
13 assessment of workforce metrics. Next slide. This
14 slide provides an overview of the financial framework
15 for the MDUFA agreement.

16 As I mentioned there's the guaranteed funding
17 as well as the potential for add-on payment funding.
18 The guaranteed fund under MDUFA V across the five
19 years totals approximately 1.784 billion. Then
20 there's an opportunity for up to 116 million in add-
21 on payment funding if goals are met, bringing the
22 maximum potential funding during the five years of
23 MDUFA to 1.9 billion. That will enable the program
24 to bring on between 273 and 387 new hires at a
25 minimum. And of course, that range reflects the fact

1 that we may be able to bring on more individuals if
2 we are able to secure the additional add-on payment
3 funding.

4 And also helps provide, as I mentioned, for
5 operating costs to support the hiring and retention.
6 As well as operating costs associated with some of
7 the programmatic improvements that will be undertaken
8 as part of MDUFA V.

9 Finally, additional spending from the carryover
10 balance of 118 million as I mentioned will support
11 new hires for the TAP Pilot as well as continuation
12 of the Third-Party Review Program. Next slide. This
13 shows an overview of anticipated MDUFA V fees. As
14 you all may know, the fees are keyed off the fee for
15 premarket applications so that's what we have listed
16 here.

17 So the proposed fee for premarket applications
18 across each year of MDUFA V as well as the proposed
19 registration fee for each year of MDUFA V. These
20 amounts do not reflect the adjustments for inflation
21 or due to the potential operation of performance
22 improvement, hiring, and operating reserve
23 provisions, but they give you a sense of what the
24 base fees will be going into MDUFA V. Next slide.

25 So here we are with the MDUFA V reauthorization

1 timeline to give you a sense of where we are in the
2 process. We are in the midst of the 30-day public
3 comment period on the rule. So looking to the right
4 of this screen, we are in the phase now for public
5 review of the draft agreement and finalization of the
6 recommendations to Congress.

7 We, as I mentioned, the timeline for submitting
8 comments the docket closes on Thursday, April 21st,
9 this coming Thursday. We really look forward to
10 feedback from the public. And hope that you will
11 take an opportunity to submit comments. And we of
12 course are here today for the public meeting, April
13 19th, and we will be considering comments that are
14 received during the meeting today as well as to the
15 public docket as we work to finalize the
16 recommendations to Congress with our industry
17 colleagues.

18 Now, I'm happy to report that we appear to be
19 running just a bit ahead of schedule, so if we can go
20 to the next slide, please. I want to take a few
21 minutes to talk about stakeholder consultation during
22 the reauthorization process and then we will turn the
23 discussion over to our colleagues from the industry
24 team who help negotiate the MDUFA V draft commitment
25 letter.

1 As I mentioned and as you heard from our
2 initial public speakers, it really is essential to
3 FDA and to this process that we have multiple
4 opportunities to take feedback from the public as we
5 set out in this process, as we engage in the journey,
6 and now as we come to conclusion and finalization of
7 the recommendations to Congress.

8 And so we've done over the course of the MDUFA
9 V negotiations is we started out with a public
10 meeting on October 27th, we had the comments that
11 were submitted to the docket as part of the 30-day
12 public comment period and helped inform the
13 perspective that FDA brought to the table as well as
14 we shared that information with our industry
15 colleagues as well.

16 We had monthly consultation meetings with
17 stakeholders over the course of the past 12 months
18 from March of 2021 through last month while the
19 negotiations were ongoing. There's of course the
20 current 30-day comment period and today's public
21 meeting.

22 If we go to the next slide, I wanted to give
23 folks a sense of what those consultation meetings
24 entailed of course we had much to discuss over the
25 past 12 months. We started with the kickoff meeting

1 and a survey of topics of interest to the
2 stakeholders who participated in those consultation
3 meetings. We talked about device safety, innovation,
4 and engagement.

5 We had stakeholders present on their topics of
6 interest during the June 9th meeting. We talked
7 about innovation in a way that FDA does business, of
8 course at each one of these meetings we provided
9 updates on the negotiations and solicited feedback
10 from our stakeholders. But in some of the meetings
11 such as the August meeting during the hot summer
12 months, we provided a negotiation update only at that
13 meeting.

14 We also talked about patient diversity,
15 inclusion, and health equity, the results of the
16 MDUFA independent assessment, MDUFA workload,
17 highlights from the CDRH annual report. And of
18 course, the MDUFA draft recommendations. And I just
19 want to take a moment to thank all of the
20 stakeholders, some of whom you'll hear from today,
21 who participated in that process. I really want to
22 express my appreciation for all of the valuable
23 insights and input that you provided throughout the
24 process to help shape our thinking as we engaged in
25 these negotiations.

1 And really to think about what the next five
2 years of the medical device process could and should
3 look like. So really an expression of gratitude to
4 all of you for sticking with us over the course of
5 the past 12 months to continue to provide your very
6 valuable perspectives and feedback. So with that, if
7 we can go to the next slide, please.

8 I'd like to turn it over to my industry
9 colleagues to provide their perspectives on the MDUFA
10 reauthorization. We're joined today by Janet Trunzo,
11 Senior Executive Vice President for Technology and
12 Regulatory Affairs at the Advanced Medical Technology
13 Association.

14 Mark Leahey President and Chief Executive
15 Officer of the Medical Device Manufacturers
16 Association, MDMA. Peter Weems, the Director of
17 Policy and Strategy at the Medical Imaging and
18 Technology Alliance, MIDA. And Thomas Sparkman
19 Senior Vice President for Government Affairs and
20 Policy at the American Clinical Laboratory
21 Association.

22 If you can all unmute your lines now, that
23 would be great. And I want to say I know again a
24 note of appreciation for all that you all did
25 throughout the past 15 months as we prepared for the

1 public meeting, had the public meeting, and engaged
2 in these negotiations. So with that, why don't I
3 turn it over to you all and thank you.

4 MS. TRUNZO: Thank you, Lauren, and thank you,
5 FDA for the opportunity here to express the views of
6 AdvaMed on the Medical Device User Fee Agreement. I
7 also would like to thank all the FDA colleagues and
8 my industry colleagues for all the tireless work in
9 reaching the MDUFA agreement that was described here
10 today.

11 AdvaMed believes because of the collective
12 efforts of industry and FDA we finalized an agreement
13 that will further strengthen our common goal of
14 patients having timely access to safe and effective
15 medical technology.

16 From the very first user fee program, from
17 2002, our common goal for the user fee program has
18 not changed. That common goal of timely patient
19 access to safe and effective medical technologies.
20 While user fees support of the overall timeliness and
21 predictability of the review program, user fees do
22 not guarantee that any submission will be approved.
23 Rather, user fees provide the resources needed to the
24 agency for the review process so that it will be
25 predictable and transparent. FDA always retains the

1 authority to make a final decision on any submission.

2 And also, as we pursued the MDUFA V agreement,
3 we've taken the opportunity to try to refine and
4 improve the goals. And you've heard all about the
5 improvements in the review program and other program
6 improvements. We approach this reauthorization with
7 the same overarching goal of benefitting patients and
8 trying to refine and improve the program. We have
9 done that in every user fee program. The first MDUFA
10 contained goals that turned out to be too complex.
11 And those were adjusted in MDUFA two. And MDUFA
12 three we introduced the concept of total time to
13 decision goals, and those goals represent the total
14 elapsed time, which is different than the FDA review
15 day goals that are still part of the program.

16 In MDUFA IV, we focused among other things, on
17 the pre-submission process in recognition that the
18 quality and timing of an application in the review
19 depends on the ability to obtain feedback from FDA
20 prior to the submission. Each MDUFA cycle included
21 significant resources and investments to support the
22 improvements in the device review program.

23 We believe that the package today that we heard
24 today is well crafted, the total package including
25 the financial aspects to provide significant

1 resources and capacity to FDA. We believe there's
2 greater predictability for the industry and, of
3 course, the package is in the best interest of
4 patients.

5 FDA described in detail today all of the key
6 components of the program, the improvements in the
7 review process, other program improvements, which are
8 very essential to the complete package.

9 On behalf of AdvaMed, we support the MDUFA V
10 reauthorization package because it will provide the
11 agency resources to deliver not only on the
12 commitments in the MDUFA commitment letter but, more
13 importantly, to continue to ensure that patients have
14 access to safe and effective medical devices. Thank
15 you very much.

16 MR. LEAHEY: Thanks, Janet. I'll jump in.
17 Again, Mark Leahey with the Medical Device
18 Manufacturers Association. I want to thank FDA for
19 the opportunity to share MDMA's perspective on the
20 draft agreement and like Janet want to echo our
21 thanks to my industry colleagues and to the other
22 stakeholders who had input into the process and also
23 to the folks at FDA.

24 This was a unique negotiation given COVID, I
25 know some talked about the timing here, but I think

1 collectively both industry and FDA made the decision
2 to delay the decision by about six months because we
3 are at the forefront of dealing with COVID and so
4 this required an all-hands on deck from both the FDA
5 professionals and within our member companies.

6 So that delayed the process a bit, but I think
7 when looking back it was the right decision, we all
8 made. We also had the challenges of having a virtual
9 negotiation. As parties know when you're not in the
10 room together, that can sometimes have a lag as well.
11 But as Janet said, we reached the place where we're
12 pleased and support the agreement that has been
13 reached by FDA and by industry.

14 I think FDA and Lauren did a great job of
15 laying out and the team, the number of the key
16 provisions so I'm not belabor that I'll add a few.
17 But before I do that I do, think it's important to
18 take a moment and thank the extraordinary work that
19 has been done by the FDA from top to bottom from Dr.
20 Shuren all the way down to front line reviewers and
21 everybody in between who put in extraordinary effort
22 as I said, during extraordinary times.

23 The reviewers were working 24/7 for many, many
24 months and again, I think the extraordinary work
25 ultimately all collectively industry and FDA to

1 ensure that patients had timely access to safe and
2 effective products is critical and it's also
3 important to reiterate the U.S. is the gold standard
4 when it comes to ensuring products are safe and
5 effective.

6 I think the sizable investment historic
7 investment over \$2 billion of resources that FDA will
8 have I think really validates the commitment that
9 industry has to the professionals at FDA, the
10 commitment to accelerating patient care. And I think
11 it's important to note as Janet said, we pulled our
12 members at the beginning of each group and last few
13 MDUFAs and again have had the pleasure, this is the
14 fifth time I've been involved in the reauthorization
15 of the initial authorization and four
16 reorganizations, the last couple times the quality of
17 the journey was actually much more important than the
18 time of the journey.

19 Meaning consistency, predictability,
20 transparency, these are the things that our members
21 prioritized, and I think we have learned from each
22 iteration of this program to try to enhance that.
23 And, for example, under MDUFA IV for the first time,
24 there was a goal multiple times referenced in the
25 commitment letter that deficiency letters request for

1 additional information with cite, with specificity
2 the statute, the guidance, the reg that was the
3 justification for the deficiency to provide some
4 clarity and a rationale for the sponsor to understand
5 why that information is being requested.

6 And that resulted in a guidance being published
7 in MDUFA IV we've built upon that in MDUFA V and now
8 there's actually performance goals associated with
9 how frequently in an audit that the reviewers are
10 following the guidance.

11 So again, this goes into the theme of more
12 consistency. Our hope is that more consistent
13 predictable transparent a process, the net output
14 will be in a more efficient review but they're all
15 building upon that. I think a couple of the other
16 areas of importance to note is the De Novo goals.

17 He's are new goals we put in place under MDUFA
18 IV starting at 50 percent of submissions in the first
19 year MDUFA IV, meeting the MDUFA performance goals,
20 ultimately culminating in 70 percent meeting that
21 goal in FY22.

22 And again, COVID has had an impact with
23 resources and meeting some goals. But if we're able
24 to hit these targets and make the initial investments
25 which the end of MDUFA V 90 percent of De Novos will

1 be able -- are supposed to be hitting that goal
2 within the -- by the end of the program. So again,
3 this drives at the point of more consistency the more
4 submissions we have meeting goals, the more
5 predictable it is for patients for innovators, and
6 for regulators.

7 Also, with the pre-submissions it was noted by
8 Lauren and Dr. Shuren that there's been an increase
9 in pre-submissions throughout the course of MDUFA IV,
10 significant resources were made to build up that
11 capacity to enhance that program. And whether it's
12 pre-submissions or in the regular review, what we
13 heard from member companies is interactive review is
14 critical.

15 Back in MDUFA two quite frankly that was one of
16 the foundational elements of MDUFA two was more
17 resources for nor interactive review. When we're
18 still as Janet said, learning from each MDUFA and
19 trying to find ways to enhance it and our hope is
20 that given this historic investment, as I said
21 earlier, typically MDUFA cycle will provide funding
22 for an additional approximately 200 new people.

23 Under this MDUFA V structure, as a minimum this
24 resources for an additional 273 FTEs, and if FDA hits
25 certain performance metrics additional investments

1 will be made to total 300 -- close to 400 new staff.
2 And again, that's just from the authorized user fees,
3 some carryover funding will be used to help fund the
4 TAP Pilot.

5 So this is a monumental increase in additional
6 FTEs to build that capacity to allow for better
7 higher quality interaction which again, is something
8 that I think, our members highlighted is of great
9 importance.

10 Dr. Califf, Dr. Shuren, Dr. Tarver also talked
11 about the significant investments to enhance patient
12 engagement. Again, this is something that's been in
13 place, very important for FDA, very important for the
14 patient community, very important for innovators and
15 we're thrilled again, Dr. Tarver and her team have
16 done an extraordinary job to provide additional
17 resources to build out that capacity. Because we
18 have seen a number of instances where that patient
19 input and either design of the clinical trial, or
20 what the right appropriate endpoints are, helps
21 ensure that technologies and that the evidence
22 generated helps meet the market.

23 Again, that risk-benefit calculation and
24 analysis that's done oftentimes patients who are in
25 need of these technologies have not a uniform risk-

1 benefit profile and so understanding those
2 perspectives I think is critical to the review
3 process.

4 Standards, harmonization, these are all things
5 as we look to have an efficient and effective
6 regulatory process not only in the United States but
7 across the globe that we're leveraging this data,
8 standards in a way that's efficient. Again, while
9 not compromising gold standard but these are all
10 things that I think industry, FDA have worked
11 judiciously on for many, many months throughout the
12 negotiations. And have landed in a place that
13 satisfies the needs first and foremost of the patient
14 for the innovator and for the regulator.

15 So again, I don't want to belabor
16 everything said earlier just to reiterate our thanks
17 to our industry colleagues, patient consumer
18 physician groups who had input throughout the way, to
19 the professionals at FDA both on the negotiating team
20 and on the front lines of the reviews, to work
21 through these extraordinary times. I know there's a
22 lot of lessons learned here and I'm sure I will get
23 back in the negotiation table in MDUFA six there will
24 be additional lessons learned. But again, this is a
25 significant investment and last, I'll close by saying

1 having been involved since day one where I think
2 MDUFA one was a \$150 million over the five years and
3 then it got to 300 million, and 595 and 985. I think
4 we're reaching that critical mass here too where I
5 know people will indicate well the MDUFA is a little
6 bit behind PDUFA, and there kind of a more mature
7 program. But again, this type of investment will
8 hopefully get us to a place where foundation is very
9 firm and solid and going forward obviously always be
10 areas for targeted investments.

11 But that this will really put us on solid
12 footing, capture some of the best practices through
13 COVID, refine the previous MDUFAs, and again really
14 serve American patients and the public well. So
15 thanks very much. And now I think, if I'm looking at
16 the agenda, I will turn it over to Peter Weems at
17 MITA.

18 MR. WEEMS: Thanks, Mark, and thanks, everyone.

19 Good afternoon, my name is Peter Weems Senior
20 Director of Policy and Strategy with the Medical
21 Imaging and Technology Alliance also known as MITA.
22 MITA is the Primary Trade Association and Standards
23 Development Organization representing the
24 manufacturers of medical imaging devices and digital
25 health technologies, radio pharmaceuticals, contrast

1 media, and focused ultrasound devices. Thank you for
2 the opportunity to discuss the MDUFA V agreement
3 reached between industry and FDA.

4 I would like to start by commending the agency
5 for the work that it has done over the last two years
6 ensuring patients and healthcare providers receive
7 the safe and effective medical products necessary to
8 combat the COVID-19 pandemic.

9 During the pandemic, medical imaging
10 technologies such as mobile x-ray, chest CT and point
11 of care ultrasound have been available to healthcare
12 facilities serving COVID-19 patients in an expedited
13 manner and with greater regulatory flexibility thanks
14 to actions taken by the FDA.

15 We look forward to continuing to work with the
16 agency as we transition beyond the COVID-19 pandemic
17 and prepare for the future.

18 In recent years MITA member companies
19 introduced numerous innovative technologies to the
20 market including low dose CT, high tesla MRIs,
21 ultrasound elastography, and advance AI algorithms.
22 These technologies play an essential role in our
23 nation's healthcare infrastructure and the care
24 pathways of screening, staging, evaluating, managing
25 and effectively treating patients with cancer, heart

1 disease, neurological degeneration, COVID-19, and
2 numerous other medical conditions.

3 By testing disease early reducing need for
4 invasive in-patient procedures and facilitating
5 shorter recovery times medical imaging saves lives,
6 reduces costs, and improves the efficiency and
7 healthcare systems. Medical imaging technologies
8 have revolutionized healthcare delivery in America
9 and around the world.

10 Our member companies' ability to bring
11 innovative technologies safely and effectively to
12 patients and healthcare providers has been supported
13 by the efficient, predictable, and transparent
14 premarket review pathway create by the Medical Device
15 User Fee program. Under the user fee program,
16 medical imaging technology manufacturers have been
17 able to deliver and iterate on innovations for
18 patients in a timely manner.

19 The next generation of imaging technologies
20 will further advance healthcare in the practice of
21 medicine. A consistent and timely FDA review process
22 is essential to patient access to these technologies.

23 The goals of the medical device industry and
24 FDA commit to -- and FDA subsequent performance are
25 critical to timely patient access, to safe and

1 effective medical advancements. Without the user fee
2 program, the FDA review process will not be able to
3 function as intended. And patient access to new
4 medical imaging technologies will be delayed. And
5 industry's ability to deliver technological
6 advancements will be compromised. MITA continues our
7 strong support for effective well-resourced FDA
8 capable of fulfilling its mission to protect and
9 promote public health.

10 A year and a half of highly technical
11 negotiations resulted in agreement that if enacted
12 will able CDRH, excuse me if enacted will provide
13 CDRH with ample resources, bring new accountability
14 measures to the program, and allow for exploration of
15 new review paradigms through the total product
16 lifecycle advisory program also known as TAP.

17 The last several years created significant
18 resource challenges for FDA and it seeks to recover
19 its operations and get back on track, it will need to
20 be sufficiently resourced to meet its obligations and
21 continue the review products for safety and
22 effectiveness.

23 The MDUFA V agreement will raise CDRH'S funding
24 significantly. Allowing the center to meet its
25 premarket review commitments. These new investments

1 will enable the center to increase head count, expand
2 current programs, and test new review models such as
3 TAP.

4 Under the MDUFA V agreement, CDRH will be able
5 to hire several hundred new FTEs and meet rising
6 payroll costs. The agency will also continue to
7 invest in successful programs that support a number
8 of shared priorities, including use of standards and
9 real-world evidence in regulatory premarket
10 decisions, advancement of digital health
11 technologies, harmonization of international medical
12 device regulatory activities, and promotion of
13 ongoing U.S. FDA leadership around the world,
14 expanded patient engagement opportunities to inform
15 the development and evaluation of innovative
16 technologies. And continued collaboration with
17 accredited third-party reviewers to support a
18 voluntary alternate review pathway.

19 FDA will also be able to launch a limited pilot
20 for its TAP program to enhance early communication,
21 collaboration, and engagement between the agency and
22 medical device stakeholders for breakthrough and
23 other eligible devices with review and assessment of
24 milestones along the way. MDUFA V will also bring to
25 bear new accountability measures and their user fee

1 dollars are appropriately invested in the premarket
2 program.

3 Review staff are critical component of the
4 center's work so FDA will be expected to meet certain
5 hiring targets. There will also be a new cap on
6 accrual of carryover balances. If the carryover
7 balance exceeds the specified cap, then those excess
8 funds will be used to offset future fees, or
9 otherwise, be invested in a mutually agreed-upon way.

10 Industry and FDA will also support multiple
11 independent assessments to generate recommendations
12 on how the center can continue to improve its
13 operations. The proposed MDUFA V agreement builds
14 upon what has been achieved over the last 20 years of
15 the user fee program.

16 It is the right agreement for FDA, industry,
17 but most importantly for patients. We support the
18 FDA in proposing this agreement to Congress. And
19 will continue to partner with the agency and other
20 stakeholders asking Congress to reauthorize this
21 important program that supports patient access to
22 medical imaging innovations. Thank you, and I'll
23 turn it over to Tom Sparkman.

24 MR. SPARKMAN: Thank you, Peter. I'm Thomas
25 Sparkman with the American Clinical Laboratory

1 Association where I'm Senior Vice President for
2 Government Affairs and Policy.

3 I too would like to accident my thanks to
4 Lauren and the FDA team in addition to my industry
5 colleagues for reaching this consensus agreement
6 which we've proposed to Congress.

7 In addition, I want to thank FDA and the
8 various memberships of the organizations represented
9 on this panel today for the extraordinary effort and
10 continuing response to the pandemic.

11 Since the first week of March 2020 ACLA members
12 have performed near 200 million PCR tests for COVID-
13 19 in both the form of laboratory-developed tests and
14 also IVD test kits. Particularly the (indiscernible
15 01:22:32) kits. It's taken extraordinary effort and
16 I can't extend my thanks enough to the folks that are
17 not speaking today whose effort made the response
18 possible. So thank you for that.

19 ACLA has been the reading voice for solutions
20 that is expand access to the vital clinical
21 laboratory tests millions of patients depend on for
22 health. America's clinical laboratories play a
23 fundamental role in expanding value-based healthcare
24 system by advancing the next generation of precision
25 medicine and care delivery.

1 Providing accurate and reliable data to
2 informed diagnoses for acute infectious and chronic
3 disease, supporting providers, hospitals, and
4 patients in developing personalized treatment plans.
5 And preventing serious costly complications that
6 burden patients and the health system.

7 As an advocacy organization, ACLA and its
8 members advocate for reforms that improve patient
9 care by first providing broad access to accurate and
10 reliable clinical laboratory tests.

11 Second, supporting a clear and appropriate
12 regulatory framework and market pathway for new
13 innovative laboratory diagnostics including
14 laboratory-developed tests and in vitro diagnostics
15 and finally improving care coordination among
16 providers, hospitals, and clinical laboratories.

17 FDA first invited ACLA to participate in the
18 medical device user fee negotiations in the MDUFA
19 three, cycle. Along with my colleagues here AdvaMed,
20 MDMA, and MITA as representatives of "regulated
21 industry."

22 ACLA has subsequently participated in MDUFA IV
23 negotiations on these MDUFA V negotiations. As ACLA
24 has stated in these past negotiations and the MDUFA V
25 public meeting earlier, participation in the user fee

1 negotiations by ACLA and its members is not intended
2 to and does not constitute a waiver of any potential
3 argument or legal relief to which ACLA and/or its
4 members may be entitled with respect to potential
5 regulatory oversight of LDTs or clinical laboratories
6 by FDA.

7 Participation by ACLA and its members in these
8 negotiations has been intended to allow laboratories
9 to address MDUFA issues that would arise if LDTs are
10 regulated as medical devices and if laboratories are
11 required to register as device manufacturers. At
12 various points, over the years FDA has asserted that
13 LDTs are medical devices and that laboratories, which
14 perform LDTs are device manufacturers.

15 ACLA has consistently communicated its
16 disagreement with these assertions. The agency over
17 time has articulated a number of LDTs regulatory
18 proposals under which FDA proposed regulating LDTs as
19 medical devices through draft guidance documents.
20 FDA has also sought in certain instances to bring
21 public and non-public enforcement actions upon
22 certain lab developers tests or categories of tests.

23 In addition to these agency action, various FDA
24 officials have affirmed the need for a new statutory
25 authority for diagnostic regulation.

1 For example, FDA officials in New England
2 Journal of Medicine article cited, "The need for
3 common legislative framework to ensure that all
4 clinical tests are accurate and reliable."

5 In parallel to the user fee negotiations and
6 administration engagement, ACLA has been actively
7 engaged in discussions with Congress and diverse
8 stakeholders to design and negotiate a modernized
9 statutory framework specific to clinical laboratory
10 tests whether LDTs or IVD kits.

11 Originally, these discussions focused on the
12 legislative discussion draft of the Diagnostic
13 Accuracy and Innovation Act or DAIA and a
14 subsequently involved to the current bipartisan and
15 bicameral verifying accurate leading edge IVCT
16 Development or Valid Act introduced by Senator
17 Richard Burr ranking member of the Senate Health
18 Education Labor and Pensions Committee. Senator
19 Michael Bennet and Representatives Diana DeGette and
20 Larry Bucshon.

21 The Senate Committee on Health Education Labor
22 and Pensions has spent the last several months in
23 detailed bipartisan committee discussions on the
24 Valid Act in an effort to reach consensus on the
25 legislation for potential congressional action this

1 year.

2 While there's much work to be done it has been
3 a serious effort and the most significant bipartisan
4 effort to date. And I would encourage stakeholders
5 to take this effort seriously. All ACLA members
6 perform laboratory-developed tests and therefore ACLA
7 has prioritized both the administrative and
8 legislative discussions that I've mentioned here.

9 Some ACLA members have voluntarily submitted or
10 may voluntarily submit applications to FDA for
11 medical device clearance or approval for certain
12 LDTs. Within the COVID-19 pandemic response, some
13 ACLA members have also submitted or may submit
14 applications for Emergency Use Authorization of LDTs
15 with the agency.

16 Against this background, we see a number of
17 scenarios where use fees may be imposed or proposed
18 for clinical laboratories develops and offering LDTs.
19 The various scenarios including a potential new
20 statutory framework make it necessary to outline
21 various uncertainties impacting any proposed user fee
22 allocation.

23 These uncertainties include the number and size
24 of laboratories that develop and offer LDTs, the
25 number of LDTs offered by given laboratories,

1 complexity and burden of any oversight for LDTs and
2 LDT developers, criteria for and/or exemption from
3 any premarket review or other application type. And
4 finally, timeframe for any oversight framework.

5 In the draft MDUFA V commitment letter, I'd
6 like to call attention to paginated page 31 in the
7 commitments explicitly related to LDTs. The
8 commitments outlined on page 31 are essential
9 elements for transparency and accountability to
10 understanding extent to which LDTs are or are not
11 being reviewed by the agency.

12 During MDUFA V negotiations and discussions
13 therein the FDA disclosed that resource predictions
14 for MDUFA V and the resulting necessary fees do not
15 include a significant expansion of regulation of
16 LDTs. Though our projection of increase in LDT
17 submissions to the agency.

18 This assumption within the projections is
19 important as a starting point to understand the
20 potential impacts if a dramatic change to the device
21 regulation of LDTs were proposed and/or implemented
22 in the future.

23 Critically, if thousands of clinical
24 laboratories were suddenly required to submit
25 thousands upon thousands of LDTs applications under

1 the device framework, the workload vastly exceeded
2 the agency capacity plan for in the drafted MDUFA V
3 commitment letter. During the pandemic, we've
4 observed the significant backlogs and application
5 reviews and delays in patient access which can occur
6 when FDA's workload exceeds the agency's resources.
7 And this all while again, I want to applaud the FDA
8 and its workers for their incredible work during the
9 pandemic.

10 We've also observed that review backlogs not
11 only delay patient access but can also lead to
12 further confusion as the agency attempts to apply new
13 prioritization schemes as to the applications to get
14 through the backlog often leaving developers and
15 applicants in the dark.

16 This last point is why ACLA sought to revise
17 language in the drafted MDUFA V commitment letter "To
18 the extent that laboratories make submissions
19 regarding LDTs that are covered by the MDUFA V
20 agreement, FDA will treat such LDTs submissions no
21 less favorably than other submissions to which MDUFA
22 V performance goals apply."

23 LDTs are absolutely essential to tools for
24 clinical care and for patients. And therefore any
25 agency actions which impact LDTs must be made with

1 transparency, equity, and accountability through
2 appropriate due process.

3 To reiterate, ACLA continues to assert the
4 medical device authority does not apply to clinical
5 laboratories nor to laboratory-developed tests. And
6 ACLA and its members do not waive any potential
7 argument or relief to which they may be entitled.

8 ACLA will continue to seek transparency on
9 policies, proposals, or activities that may impact
10 clinical laboratories and LDTs. And will continue to
11 advocate against policies or activities that would
12 inappropriately impinge upon laboratory innovation
13 and harm patient access to accurate and reliable
14 clinical laboratory services.

15 Whether in the context of the MDUFA
16 negotiations or the legislative discussions such as
17 on the Valid Act, ACLA and members are committed to
18 pursuing clear and appropriate regulatory oversight
19 and market pathways for laboratory diagnostics and
20 innovation. Thereby ensuring that clinical
21 laboratories remain a strong component of the
22 nation's public health infrastructure and also
23 ensuring broad patient access to accurate and
24 reliable clinical laboratories tests. Again, thank
25 you for this opportunity to speak at this public

1 meeting. Thank you again to the mutual negotiation
2 teams and all the stakeholders who put input into the
3 process to date.

4 MS. ROTH: Thank you to my industry colleagues.
5 Thank you, Janet, Mark, Peter, and Tom for your
6 support of this agreement and again, as I said for
7 all of your collaboration over the past several
8 months to bring us to the place, that we're in today.

9 The place that we happen to be in at this
10 moment is significantly ahead of schedule. Which is
11 a rare opportunity and I want to let everyone know
12 that in order to make sure that we stay on track four
13 our speakers for the next panel, representing patient
14 consumer, academic, and physician perspectives, we
15 plan to take a slightly longer than anticipated
16 break. We will resume the public meeting at 2:15
17 where we will be joined by our colleagues on that
18 panel as well. So until then, we hope you know we do
19 hope all of you will return and we will see you then
20 thank you.

21 (Off the record at 1:28 p.m.)

22 (On the record at 2:15 p.m.)

23 MS. ROTH: Welcome back, everyone. I want to
24 thank you for rejoining us this afternoon to continue
25 the discussion of the Medical Device User Fee

1 Amendment or MDUFA reauthorization. I'm pleased that
2 we are able to assemble such an esteemed group of
3 speakers for the second half of our discussion today.
4 And we're joined first by Elizabeth Richardson from
5 the Pew Charitable Trusts. So Liz if I could turn it
6 over to you.

7 MS. RICHARDSON: Sure. And thank you so much
8 for the opportunity to speak today. I know that the
9 user fee process is an enormous undertaking for the
10 agency and for other stakeholders in the negotiation.
11 And I appreciate the chance to adopt a thoughts
12 that's emerged from this process. I'm Elizabeth
13 Richardson, I direct the Healthcare Product Project
14 at the Pew Charitable Trusts.

15 We are a nonpartisan 501(c)(3) dedicated to
16 research and advocacy and we work in a wide range of
17 areas. We have a pretty broad health portfolio but
18 the project I direct is focus on strengthening FDA
19 oversight of a range of product categories including
20 dietary supplements, invitro diagnostics, and
21 emerging technologies like 3D printing and AI. And
22 as you may have marked from that list a lot of the
23 types of products, we're interested in are overseen
24 by CDRH. So we were very interested to see what
25 would emerge from the user fee negotiation process

1 and what potential implications it would have for our
2 work and from there think about what we'd like to see
3 the agency focusing its efforts over the next five
4 years.

5 Today I just want to take the opportunity to
6 reemphasize our general support for the user fee
7 agreement process given how central it is to funding
8 core FDA activities.

9 The fees FDA collects under the user fee
10 agreements provide the agency with very badly needed
11 resources to review applications and better
12 facilitate the introduction of a wide variety of new
13 medical technologies. We were interested to see that
14 the total fees collected by the agency could reach
15 1.9 billion.

16 Though I think roughly double the amount of
17 fees authorized under MDUFA IV and I think these
18 funds will help FDA to delivery more efficient and
19 comprehensive oversight process that is better
20 resourced to protect consumer safety and adapt to a
21 rapidly evolving device market, where emerging
22 technologies are opposing challenges to traditional
23 FDA oversight.

24 CDRH has for many years done a lot with very
25 limited resources and so we look forward to seeing it

1 can do with more. Of particular interest to Pew
2 though is how the agency will handle oversight for
3 the growing market of AI-enabled digital health
4 products. The agency has already approved or cleared
5 nearly; I think 350 AI-enabled devices for a broad
6 range of applications. And nearly 140 have been
7 granted since the start of 2020. And the pace of
8 submissions that include an AI component is only
9 expected to grow over the next five years.

10 And these tools offer unique opportunities to
11 lower costs, improve patient care, and health
12 outcomes. But the volumes applications and the pace
13 at which these products evolve pose unique challenges
14 to the FDA's traditional approach to oversight. And
15 these products will need, not only to be reviewed to
16 ensure they are safe and effective at time of
17 approval they also need to be adequately monitored
18 over time to ensure they continue to be safe and
19 effective in the real world. And when used on
20 diverse patient population.

21 And accomplishing that will require the right
22 mix of expertise among FDA staff as well as ongoing
23 commitment to developing regulatory policies that can
24 facilitate ongoing innovation while still providing
25 adequate public health safeguards for these rapidly

1 changing products.

2 We were encouraged to see that the agency will
3 be focusing on developing that expertise as part of
4 its commitment. Over the next five years we also
5 hope that the agency will continue to focus on
6 improving transparency around these products, the
7 public meeting in October was a great start. But
8 we're eager to see what's next in that process.

9 We were also encouraged to see that health
10 equity was a core part of the CDRH'S strategic action
11 plan over the next three years. Again, an
12 encouraging start and we're interested to hear from
13 the folks at FDA about what's next. And we hope that
14 the agency will continue to invest in that work even
15 beyond 2025 to ensure that equity considerations are
16 embedded throughout its review and oversight process.

17 Similarly, 3D printing is increasingly being
18 used at the point of care to manufacture a range of
19 products including anatomical models used to guide
20 surgery re-planning. And medical devices like
21 surgical cutting guides. This technology allows for
22 decentralized manufacturing of highly customized
23 products, which could one include implants,
24 pharmaceuticals even biological products. That are
25 manufactured directly within healthcare facilities.

1 But to date, most of the clinical applications
2 for including manufacturing techniques have been in
3 medical devices. And like any medical product, 3D
4 printed devices also carry risks. And existing laws
5 and guidance meant to ensure the safety of devices
6 don't clearly map to this technology only in part to
7 how much customization is possible. And also the way
8 the technology allows for decentralization.

9 It's a lot of potential new facilities for the
10 FDA to oversee. So as more healthcare facilities
11 adopt 3D printing, they'll need clear guidance from
12 FDA on how they can deploy this technology in
13 compliance with existing regulations that ensure the
14 safety, the quality, and the effectiveness of the
15 medical devices that they're producing.

16 We were encouraged to see that user fee
17 revenues would go towards supporting timely
18 development of FDA guidance documents and hope that
19 this will include the draft guidance for products
20 that are 3D printed at the point of care. The agency
21 is in the process of developing such a document.
22 We're encouraged by the work that has already been
23 done to gather feedback from a range of stakeholders
24 who are either developing or deploying this
25 technology.

1 And look forward to the guidance when it's
2 published and hope it's published soon. And with
3 that, I just want to wrap up by concluding with how
4 important it is for CDRH to be adequately resourced
5 to meet the challenges that it faces. And we look
6 forward to seeing how the agency leverages the
7 additional funding it receives through user fees over
8 the next five years. Thanks again for the time to
9 speak

10 MS. ROTH: Thank you, Liz. I have to say one of
11 the privileges of this role is being able to hear
12 directly from stakeholders, such as the ones we'll
13 hear from this afternoon, Liz, and others, as in
14 terms of feedback to the agency.

15 So I again want to just acknowledge how
16 important it is to me personally and to the agency to
17 hear your perspectives and say thank you for that.
18 And with that, I would like to turn to our next
19 speaker Dr. Raymond Golish, who is joining us on
20 behalf of the American Academy of Orthopedic
21 Surgeons. Dr. Golish?

22 DR. GOLISH: Good afternoon. I'm Raymond Golish
23 I'm an orthopedic surgeon, a spinal surgeon, a
24 medical device scientist, and a member of the Devices
25 Biologics and Technology Committee of the American

1 Academy of Orthopedic Surgeons.

2 On behalf of over 30,000 members of the leading
3 surgical professionals' society devoted to
4 musculoskeletal care one of the largest drivers of
5 patient well-being, we applaud the agency for
6 embracing the public dialogue and our opportunity to
7 comment on the critical program known as MDUFA.
8 Thank you to Doctors Califf, Shuren, and Marks and
9 for the earlier introductory remarks.

10 And our comments encompass three main points.
11 First, the American Academy of Orthopedic Surgeons
12 recognizes that safe medical devices, implants, and
13 technology are really now central to high-quality
14 patient care. As clinicians, the core of our
15 profession is the spirit of caring. And the use of
16 non-surgical and surgical care to assist patients in
17 living their best lives.

18 But in addition to that, some things do improve
19 over time. And improvements in medical device
20 technology have dramatically consistently, and
21 positively impacted the quality and quantity of life
22 of countless patients throughout the United States
23 and worldwide.

24 Second, the development of safe and effective
25 medical devices and technology can only result from a

1 multistakeholder interaction among patients and their
2 advocacy groups, among physicians caring for
3 patients, among the regulated device industry, and
4 regulators, and regulatory scientists. And the
5 primary physician advocates for musculoskeletal
6 patients we recognize that our many colleagues both
7 FDA and in industry represented today by AdvaMed and
8 MDNA and others are committed professionals trying to
9 do their best work on behalf of patients. Far from
10 being zero-sum. These multiple stakeholder
11 interactions are synergistic. They require vigorous
12 debate as well as collaboration to achieve mutual
13 understanding we need to underpin patients' best
14 interest.

15 Finally, we support and applaud the extensive
16 work that has and is being done at the agency to make
17 MDUFA fee stewardship efficient and purposeful as
18 MDUFA iterates over time. And the investment on
19 behalf of patient care ought to have a return. Over
20 its evolution, MDUFA has embraced the goals of
21 timeliness, quality, transparency with evolving
22 foresight over its lifecycle.

23 All of three of these interacting goals yield a
24 safer more effective and more innovative cycle all in
25 the interest of patients and the interest of

1 physicians' ability to care for them.

2 Thank you for the opportunity to comment today
3 as physician advocates for our patients in this
4 critical substantive program at FDA and its most
5 recent developments on behalf of patients.

6 MS. ROTH: Thank you too, Dr. Golish. And next,
7 I would like to turn to Jennifer Dexter from the
8 National Health Council.

9 MS. DEXTER: Thank you so much for the
10 opportunity to be here today. The National Health
11 Council really appreciates the opportunity to provide
12 feedback on the Food and Drug Administration's
13 performance goals for MDUFA for 2023-2027. This
14 process and its outcome are incredibly important to
15 patients. And this opportunity along with the
16 stakeholders' meetings held throughout this process
17 will help make sure that the final outcome meets the
18 needs of patients.

19 Created by and for patient organizations over
20 100 years ago the NHC brings diverse organizations
21 together to forge consensus and drive patient-
22 centered health policy. Made up of more than 140
23 national health-related organizations and businesses,
24 the NHC's core membership includes the nation's
25 leading patient organizations. Other members include

1 health-related associations and nonprofit
2 organizations, including the provider, research, and
3 family caregiver communities. And businesses
4 representing biopharmaceutical, device, diagnostic
5 generic, and payer organizations.

6 The MDUFA V draft goal level demonstrates FDA's
7 commitments to modernizing its regulatory framework
8 and activities to meet the demands of the 21st
9 Century technologies. The NHC appreciates the hard
10 work that went into the aspects of the agreement but
11 will ensure that the FDA and its industry work
12 together to make sure that the process of approving
13 or clearing new medical device innovations is
14 efficient, properly resourced, and focus on getting
15 innovative products out to patients quickly and
16 safely.

17 Importantly, we are pleased to see that there
18 are several aspects of the agreement that are focused
19 on infusing the voices of patients into the process
20 and making sure that the real needs and goals of
21 patients are considered by FDA and manufacturers.
22 I'd like to specifically comment on some of those
23 today. The first is the section on enhancing the
24 patient's voice in device development and decision-
25 making. The NHC applauds the FDA for continuing its

1 crucial work to involve the sides of patient
2 engagement for MDUFA V and the other agreements.

3 Specifically, we applaud the inclusion of the
4 following provisions. Expanded clinical statistical
5 and other scientific expertise and staff capacity
6 that respond to submissions, containing applicant
7 proposed use of voluntary patient preference
8 information, voluntary patient-reported outcomes,
9 and/or patient generated health data. Issuing
10 guidance on best practices on incorporating clinical
11 outcome assessments and premarket studies. Updating
12 existing guidance on patient preference information.
13 Support for the use of innovative technologies to
14 capture patient input and reduce patient burden to
15 inform clinical study design. And conduct with the
16 goal of reducing barriers to patient participation
17 and facilitating recruitment and retention.

18 Public meeting to explore ways to use patient-
19 generated health data to help advance remote clinical
20 data trial collection and support critical outcome
21 assessments. Activities to improve the regulatory
22 predictability and impact of patient science. And
23 finally patient-friendly educational modules on
24 device trials, real-world data, device development
25 tools, and regulatory frameworks.

1 Together these initiatives will help assure us
2 that the medical device approval process better
3 incorporates the input of patients and drives equity.
4 The multitiered approach of making sure the FDA has
5 the expertise and capacity to utilize many types of
6 data, including patient-generated data. Identifying
7 high-impact opportunities to incorporate patient
8 perspectives and creating tools and resources to
9 educate the general public on the device development
10 process, is effective and will lead to better end
11 results.

12 Now, the aspects of the agreement that address
13 patient engagement are very positive steps. It will
14 be critical that the details of these processes are
15 developed correctly from the beginning. It's
16 imperative that every step of the way patients and
17 patient organizations are engaged in implementation.
18 The NHC has a long history of helping manufacturers
19 and regulators create quality patient engagement
20 processes. We stand ready to assist this agreement
21 is modified and implemented.

22 The second topic is advancing real-world
23 evidence and use in decision-making. The NHC is
24 supportive of leveraging real-world evidence to
25 inform FDA's decision-making. The proposed

1 provisions for MDUFA V are a commonsense approach to
2 furthering the signs of real-world evidence. We
3 support updating the use of real-world evidence to
4 support regulatory decision-making for medical
5 devices guidance. We believe if appropriately
6 crafted the proposed updated guidance can lead to a
7 better and more consistent collection of data and
8 best practices.

9 Finally, digital health. The NHC understands
10 the importance of increasing timely access to
11 existing and innovative digital health tools. To
12 best help, patients access care and to assist in the
13 effective and equitable development of new
14 treatments. We appreciate the attention and the
15 agreement to growing FDA's ability to quickly
16 evaluate digital health tools and provide needed
17 clarity on the process of evaluating digital health
18 tools.

19 I note that PDUFA VII agreement also has
20 significant commitment in the area of using digital
21 health technologies in drug development and I
22 encourage FDA to work across the centers to ensure
23 these work streams are coordinated. Thank you so
24 much for this opportunity today. And we look forward
25 to working with you as we proceed to implementation.

1 MS. ROTH: Thank you very much. And with that,
2 I'll turn to Cynthia Bens from Personalized Medicine
3 Coalition. Cynthia?

4 MS. BENS: Hi, good afternoon, everyone. My
5 thanks to the FDA for the opportunity to share some
6 thoughts on why the Medical Device User Fee Program
7 is important for precise medicine. And also to
8 reflect on the MDUFA V commitment letter. As Lauren
9 mentioned, I'm Cynthia Bens and I serve as Senior
10 Vice President of Public Policy at The Personalized
11 Medicine Coalition or PMC.

12 PMC is a nonprofit education and advocacy
13 organization that has more than 220 members from
14 across the healthcare spectrum. We're working
15 together to advance personalized medicine in ways
16 that benefit patients. As you probably heard
17 throughout the day the MDUFA program is a critical
18 source of funding, having a well-resourced focus and
19 flexible FDA, is essential to our ability to achieve
20 our mission of bringing forth the best treatment and
21 prevention strategies for each patient. And ensuring
22 they're delivered based on that person's biology,
23 medical history, circumstances, and values.

24 PMC's analysis have shown that initiatives
25 advanced by the FDA in recent years have fostered

1 many notable regulatory milestones including in 2021
2 CDRH'S recognition of the first tumor mutation
3 database to allowing test developers to use real-
4 world data to support the clinic validity of new
5 diagnostic tests as well as approval of several new
6 diagnostic indications that will allow for targeted
7 treatment decisions for various health conditions.

8 The new technologies and policies will help
9 innovators and physicians develop safer and more
10 efficacious treatment regimens that are based on
11 principles of patient-centered care. It's difficult
12 to summarize all the reasons why MDUFA V will make
13 ample changes to the field of personalized medicine,
14 but I'd like to emphasize that PMC is pleased to see
15 increased staffing to support CDRH review activities,
16 additional considerations for advancing the use of
17 real-world evidence in real-world data. And
18 increasing patient engagement, and the use of digital
19 health tools in the MDUFA V commitment letter.

20 In comments provided at the beginning of the
21 MDUFA V process, we highlighted that progress made in
22 previous reauthorizations have enabled CDRH to reduce
23 the total time it takes return a decision on a
24 product submission while maintaining high standards
25 for ensuring safety and effectiveness.

1 This has been possible because of additional
2 opportunities for engagement between industry and
3 CDRH during the device repeat process. These
4 interactions allow product sponsors to better
5 understand FDA's data needs and we understand that
6 this level of engagement is only possible if CDRH is
7 properly resourced.

8 PMC supports resource levels in MDUFA V that
9 provide adequate staffing to complete timely
10 evaluation of personalized medicine products that are
11 submitted for CDRH for review. To help CDRH to
12 continue fulfilling its mission, the 21st Century
13 Cares Act included provisions supporting CDRH'S
14 efforts to maintain capable and well-trained staff.
15 FDA has made progress in addressing staffing needs,
16 but we understand that there are still challenges
17 that remain. And our previous comments on the MDUFA
18 V reauthorization we encouraged CDRH to continue
19 using hiring authorities provided by the Cares Act
20 and to pursue enhancements that assist the center in
21 meeting hiring needs. It's reassuring us that MDUFA
22 V resources will be devoted to expanding use of
23 hiring authorities under the Cares Act.

24 Regarding real-world evidence and real-world
25 data we at PMC believe that data collected about an

1 individual's lifestyle, disease biology, and
2 treatment outcomes, can be harnessed to transform the
3 future of personalized medicine.

4 The inclusion of guidance development under
5 MDUFA IV on the use of real-world evidence along with
6 resources to allow CDRH'S participation in the
7 coordinating committee for the National Valuation
8 System for Health Technologies or NEST and the
9 Medical Device Innovation Consortium, MDIC, provided
10 a foundation for understanding how and when our RWE
11 and RWD may be used to support medical device
12 regulatory decisions. To further FDA's success in
13 this area PMC called for exclusion of resources of
14 MDUFA V to continue CDRH'S involvement in NEST and
15 MDIC.

16 We're pleased to see that the agreements
17 support these activities in addition to the issuance
18 of updated guidance, providing more clarity on CDRH'S
19 RWE activities. And at least two public meetings to
20 update stakeholders on the RWE program.

21 It's also promising what CDRH plans to convene
22 experts to advance innovative methodological
23 approaches on the development and analysis of RWE.
24 As well as best practices. Because the impact of
25 CDRH'S work in this area extends beyond regulated

1 industry, we'd asked for additional transparency on
2 evidence available for researchers, health data
3 organization, and other non-industry stakeholders
4 like patient groups to interact with the agency on
5 these two important issues.

6 And my third and final point identifying the
7 benefits and risks of medical products that matter to
8 patients is really essential for the effective
9 delivery of personalized medicine.

10 We generally support continued work and
11 understanding patients' preferences and we believe
12 that it can potentially advance activities to
13 positively impact the design and conduct of premarket
14 clinical studies, benefit-risk assessments, and post-
15 market evaluation of medical devices.

16 We appreciate that CDRH'S commitment for
17 patient engagement under MDUFA V include an update to
18 FDA's existing patient preference information
19 guidance and will address common questions for those
20 interested in voluntarily using patient preferences
21 information in their regulatory submissions. PMC
22 also called on the FDA at the start of the MDUFA V
23 process to take steps that would accelerate the
24 acceptance of digital health technologies. We
25 believe that advances in sensing technologies and

1 self-management platforms are important tools for
2 personalized medicine that could be leveraged in ways
3 to allow for diverse populations and patients in
4 difficult geographical locations to be included in
5 clinical trials.

6 MDUFA V includes commitments to reduce
7 barriers to patient participation and facilitate
8 recruitment and retention in clinical studies by
9 utilizing in data technologies to capture patient
10 input and reduce patient burden. We also look
11 forward to the planned public meeting in FY24, which
12 will explore ways to use patient-generated health
13 data to help advance promote clinical trial data
14 collection.

15 Finally, we believe that digital health tools
16 can enhance trial efficiency parallel to the delivery
17 of real-world care and may even provide personalized
18 insights at the point of care. So we really applaud
19 commitments in MDUFA V that are intended to foster
20 the adoption of digital health technologies. As
21 evidence generation continues to evolve and to
22 advanced understandings of how to measure and monitor
23 software quality.

24 The FDA and external stakeholders will really
25 benefit from CDRH'S continued work under MDUFA V to

1 develop guidances and provide expertise for premarket
2 submissions that include software, interoperable
3 devices, wearables, AI, and machine learning, and
4 digital health technologies.

5 So thanks again for the opportunity to speak on
6 the panel. My colleagues and I look forward to
7 working with you and Congress as MDUFA V
8 reauthorization process moves forward in the coming
9 months.

10 MS. ROTH: Thank you very much. We look forward
11 to working with you as well. Now, I'd like to turn
12 it over to Michael Abrams from Public Citizen.

13 DR. ABRAMS: Thank you, Laura. Can you hear me,
14 okay?

15 MS. ROTH: Yes, sir.

16 DR. ABRAMS: Good. Thank you. So I'm Michael
17 Abrams, Senior Health Researcher with Public
18 Citizen's Health Research Group. And I have no
19 financial conflicts of interest to disclose today.

20 During this most recent user fee
21 reauthorization cycle, I presented Public Citizens'
22 views at the FDA convened Consumer Patient
23 Stakeholder meetings for both prescription drugs and
24 for medical devices. And that expense has left my
25 colleagues and I deeply concerned that existing

1 regulatory review programs for these critical
2 components of healthcare are increasingly compromised
3 by substantial regulatory capture by industry and by
4 concomitant undue pressure.

5 The recently released MDUFA draft commitment
6 letter is no exception. We feel that it expands a
7 program that gives device makers too much influence
8 over their federal regulators. The draft commitment
9 language may well please industry but certainly does
10 not advance the best interests of consumers,
11 especially for patients who rely on the FDA to
12 protect them from ineffective or unsafe medical
13 devices. Accordingly, my brief testimony today
14 offers a list of reforms that should be appended to
15 the goals and procedures of the medical device
16 program.

17 And these are reforms that I have suggested
18 throughout the MDUFA reauthorization process. So
19 they will be familiar to many staffers that are on
20 the webinar today. As two examples that evoke the
21 need for such reforms, consider, number one, implant
22 the spinal cord stimulation for pain. And secondly,
23 transvaginal meshes for surgical repair. Past
24 studies by our group Public Citizen had revealed that
25 the FDA's lacks approval. And subsequently,

1 inadequate oversight of these high-risk implantable
2 devices resulted in serious harms including
3 fatalities for large numbers of patients.

4 There are several reforms that can reduce such
5 morbidity and mortality. I strongly encourage the
6 FDA to carefully consider each of them and to include
7 these proposals in the commitment letter packet that
8 is eventually submitted to Congress. To advance
9 FDA's key mission of efficiently managing a safe and
10 effective medical device pipeline, the FDA should,
11 number one, require high-risk, permanently implanted
12 medical device sponsors to submit PMAS with data from
13 well-designed randomized trials. This is not real-
14 world evidence. Well-designed trials is what should
15 be emphasized.

16 The FDA should make publicly available the
17 following, reveal summaries for all PMAS supplements
18 for Class III medical devices. They should make
19 publicly available comprehensive assessments of
20 adverse events for all approved PMAS and supplements
21 and MOD and the agency's MOD Database. They should
22 make publicly available a list of Class III devices
23 for which approval is granted based solely on the
24 literature reviews of studies assessing devices other
25 than the ones that PMA was actually -- the original

1 PMA approval was actually sought.

2 And finally, the FDA should make publicly
3 available PMA annual report information that reveals
4 the number of devices sold, shipped and deployed, or
5 implanted.

6 Another point, the FDA should designate other
7 staff who are not involved in providing advice and
8 guidance to sponsors prior to the submission of a PMA
9 or 510(k) premarket submission for a medical device
10 to review and make decisions on any subsequent
11 premarket submission related to that device. To
12 ensure the integrity of these reviews and decisions,
13 a firewall should be created between the FDA staff
14 involved and any pre-submission interactions and
15 those involved in the formal evaluation of the PMA or
16 510(k) premarket submissions, a firewall should be
17 created.

18 And FDA should create a 510(k)-predicate
19 database that is used to issue annual performance
20 reports examining the quality and appropriateness of
21 legacy devices as a foundation from premarket
22 clearance decisions.

23 And finally, the FDA should establish annual
24 public health performance measures that quantify the
25 benefits of harms and the harms of medical devices

1 that have been cleared, approved, recalled, or even
2 rejected. These proposals all aim to strengthen
3 FDA's independence from the industry it regulates.
4 And its commitment to safeguard the medical device
5 pipeline by careful transparent monitoring of
6 regulatory decisions especially as they pertain to
7 the safety and effectiveness of high-risk devices
8 like implantable stimulators, meshes, stints, valves,
9 catheters, and countless other invasive technologies.

10 Remarkably the draft commitment letter
11 currently contains none of these commonsense patient-
12 centered suggestions. Instead yielding to industry's
13 obvious desire to bring devices to market as quickly
14 and as cheaply as possible. Accordingly, we strongly
15 encourage the FDA to revise the commitment letter by
16 aiming assertively to the following two justifiable
17 goals.

18 First, establish and expand efforts that
19 explicitly promote a regulatory pipeline that yields
20 safe and effective devices. First and foremost. And
21 second, perhaps most importantly, the FDA should
22 press Congress to provide the agency with taxpayer-
23 funded resources to achieve that first goal
24 independent of what we know to be pernicious
25 financial interest from the industry that it

1 regulates.

2 This last point is essential if congress truly
3 desires a sound regulatory system, it must give the
4 FDA direct financial appropriations and authorities
5 to maintain and adapt that system for its critical
6 part the FDA must not be shy in asking for those
7 monies and mandates.

8 And finally, I want to point out a recent
9 scholarly analysis published about MDUFA concluded
10 that the program, "Raises serious questions about
11 PDUFA's on US regulatory policy. That policymakers
12 should reconsider perpetuating this UFA system and
13 reallocate the necessary funds to relieve FDA of its
14 financial reliance on industry." This is similarly
15 applicable to MDUFA. Thank you.

16 MS. ROTH: Thank you, Michael. We appreciate
17 yours and others' participation throughout this
18 process. Including participation by our next
19 speaker, Paul Conway, from the American Association
20 of Kidney Patients. Can I turn it to you?

21 MR. CONWAY: Sure. Thank you very much, Lauren.
22 My name is Paul Conway, I serve as the Chair of
23 Policy of Global Affairs of The American Association
24 of Kidney Patients. Next slide, please. Right
25 off the top, we'd like to say as the American

1 Association of Kidney Patients understands the unique
2 role that FDA plays in the regulatory environment,
3 the duties it has been charged with by citizens, and
4 by the congress through legislative authority.

5 We also understand the pressures that are faced
6 by industry to get products into the marketplace and
7 most importantly we live the experience of
8 understanding what it's like to be a patient consumer
9 with a chronic disease or a disease that has very
10 high mortality, waiting for devices that help keep us
11 alive. As a kidney patient of over 42 years I've
12 lived on FDA-approved safe medical devices and we
13 respect the role of the FDA and the fine balance that
14 you've had.

15 Essentially, what the FDA has been able to do
16 through the MDUFA program is the democratization of
17 the federal regulatory process and the product
18 development lifecycle process for medical devices,
19 especially for kidney patients. For nearly 60 years
20 the kidney space was stagnant in terms of medical
21 innovation. But things changed once the FDA began to
22 weigh in heavily on the science of patient engagement
23 and patient insight data inclusion. This has made
24 definitive changes in the views of kidney patients.
25 Practically speaking, you can see some of them right

1 now.

2 Patients can now speak for themselves at the
3 FDA table and other tables right next to those who
4 purport to speak for patients, be they doctors or be
5 the industry. Our voice is equal. Special interests
6 are less effective now at saying that they speak for
7 patients. Why? Because patients are in front of the
8 FDA closely involved with the FDA and working with
9 industry and medical professionals who are trying to
10 bring devices to the market.

11 Our voice is clear, and it is heard by FDA.
12 FDA efforts have changed patient self-perception
13 because now you're not living life in isolation with
14 a chronic disease or a fatal disease. You're able to
15 give your insights and your lived experiences to
16 researchers and regulators so that they better
17 understand, and the industry better understands what
18 it's actually like to bear the burden of disease.

19 Patients are also much more aware of how
20 valuable their insights are. This has empowered
21 patients and advocacy organizations in a way that has
22 not been done in the past 20 or 30 years. It has
23 been revolutionary to advocacy organizations in
24 individual patients. And what we have seen across
25 the federal landscape is by the leadership of FDA in

1 the mainstreaming of patient insight data and patient
2 engagement, it has definitive impacts on PCORI. The
3 National Institutes of Health, CMS, the CDC, DOD, and
4 VA, and other programs. Because they're now managing
5 the expectations of demands of patients to be more
6 heavily involved and have their insights
7 appropriately elevated and listened to.

8 FDA's efforts have worked hand in glove from
9 our perception with PCORI in terms of bringing
10 patients to the research table and to the regulatory
11 table to make certain that those insights and that
12 engagement is shared both on the research side and
13 across the product development lifecycle side. And
14 increasingly you're seeing references to this type of
15 evidence of patient science in all of the peer-
16 reviewed journals, especially in Kidney World and
17 beyond. Next slide.

18 Of particular interest to AAKP has been the
19 priority areas that FDA within MDUFA for patient
20 science and engagement and real-world evidence. Our
21 board and our advisory board of patient ambassadors
22 across the United States have very heavy experiences
23 as professionals in government, in industry, in the
24 media, and on capitol hill. They happen to also have
25 kidney disease. So our focus was very much on the

1 capacity building of the FDA to meet what we are
2 seeing as a fine age of innovation in kidney
3 diseases.

4 But it's very important that the agency has
5 focused on capacity building, training, and the
6 provision of best practice guidance for the industry.
7 We believe this is one of the most fundamentally
8 important things that the agency has done and clearly
9 articulated in the agreement.

10 We were also extremely pleased with the focus
11 on new technologies to harness patient insights. We
12 believe that will work very nicely along with
13 advocacy organizations in this space. We're very,
14 very pleased to see the effort to increase guidance
15 on best practices for clinical outcome assessments in
16 the premarket studies and the potential application
17 for primary or coprimary clinical endpoints.

18 We're also very glad to see the commitment to
19 transparency. We think this is very, very important
20 across the board to all stakeholders, but especially
21 to the American taxpayer. We will look forward to
22 working closely with the FDA on transparency
23 initiatives and other initiatives that are spelled
24 out very clearly. Next slide.

25 The reason why we focused on capacity of the

1 FDA is based on the practical impacts that our
2 patient advocacy organization as the oldest kidney
3 patient organization in the United States has seen in
4 terms of what the volume has been coming to us. Just
5 in the past three years and we monitor these facts
6 and statistics very closely, we've had over 200
7 entrepreneurs, private investors, and companies come
8 to us asking very specific questions, years in
9 advance of going forward with new products to
10 understand patient insights and patient lived
11 experience. This has been new in the past 10 years.
12 Our organization has not seen this in our 50 years of
13 existence.

14 And we think it's very important that folks
15 understand this on capitol hill and in the agency.
16 We see it a bow wave of interest coming in the battle
17 of kidney disease and other diseases for innovations
18 in medical devices. In that same period of time, we
19 had over 350 contacts with government, with media,
20 with private sector, research institutions, federal
21 researchers, all trying to understand what our
22 capacities are, what insight data we can bring, and
23 how we can collaborate with them to better elevate
24 the voice of kidney patients in their lived
25 experiences within the product development lifecycle.

1 For our patients right now, this across the
2 United States, this is a golden era of having their
3 voice and their lived experiences respected, their
4 dignity respected, and most importantly their
5 insights applied across the product development
6 lifecycle.

7 The last thing that I would say is that the
8 practical impact on us has been a restructuring
9 within AAKP. We've had to add additional national
10 contractors for our social media capacities, for our
11 capacity as capture insight data. Most importantly,
12 it led to the retitling of one of our top staffers as
13 a director of patient insights data analytics, and
14 advocacy. So we have had to adjust as FDA has
15 adjusted as well. Next slide.

16 And to have you understand perhaps you spoke to
17 the international program earlier today, the FDA did,
18 and I just want to be very clear what the practical
19 impacts of the FDA's leadership role has been
20 globally. It has not gone without notice. So the
21 WHO, and the Pan American Health Organization through
22 their engagement program with people living with
23 noncommunicable diseases, is working with patient and
24 patient advocates across the world to better
25 understand what avenues they have to have their life

1 experiences captured and their insights captured and
2 example provided in the United States by the FDA, and
3 with your collaboration with other organizations,
4 given patients and patient advocacy organizations,
5 great lease on life and great optimism that their
6 voices can be captured.

7 And this is very important because many
8 companies that are in this space are international
9 companies. Not simply on the drug side but also on
10 the device side. We've seen great support of the FDA
11 efforts and efforts to capture patient insights with
12 numbers of the European Union and also with of course
13 the United States Congress. Tremendous interest in
14 whether or not our voices are being included, and we
15 are proud to say they are included through the FDA
16 and through the MDUFA process.

17 The other thing that we're seeing is great
18 interest among patient advocacy organization or how
19 to access and give their insights in a growing
20 international collaborative that is focused on
21 artificial kidneys, implantable kidneys, and
22 xenotransplantation. We believe that the FDA's
23 example has provided a very good pathway of patients
24 around the world in many different countries to have
25 their voices heard on this great age of innovation

1 and artificial organs.

2 And then lastly, some of the key events in the
3 kidney space. We do a global summit in partnership
4 with the George Washington University. That has had
5 over 80 countries, over 20,000 patients and
6 researchers, and medical professionals engaged. Some
7 of the top programming is when the FDA officials
8 participate in that program. And lay out what the
9 avenues are that FDA has created for engagement. And
10 again that reinforces the expectation of patients and
11 advocates and the understanding of regulators around
12 the world.

13 The IDEAS Summit at the University of
14 Washington is another international event focused on
15 artificial implantable kidneys and devices very high
16 interest with participation of FDA and what FDA has
17 to say about capturing patient insights and patient
18 engagement. And finally, of course, the
19 International Society of Nephrology And American
20 Society of Nephrology, both conducting global events
21 where FDA officials, particularly speaking to patient
22 engagement have been extremely well-received and each
23 of those organizations as well patients have been
24 elevated to have key roles not simply providing a
25 qualitative perspective but giving their quantitative

1 insights from their advocacy organizations and from
2 their life experiences.

3 And on a final note, on the last slide, this is
4 a survey that AAKP does every year. It captures a
5 very simple question. And I think a compelling one,
6 which is this. If you ask kidney patients whether or
7 not their insights would be valued in the development
8 of new clinical trials and devices if they have that
9 opportunity, how many of them would participate in
10 it? You can see the number is actually 94 percent.
11 Simply having a disease and managing the burden is
12 one thing. But there's a certain level of degree of
13 idealism that goes with being a chronic disease
14 patient. And what that idealism is, is quite simple.
15 You don't want other people to suffer the same thing
16 that you've gone through and the luck that you've had
17 in living another day. Your experience has to
18 matter. The program that FDA manages from our
19 perspective, with MDUFA, is one of the most important
20 outlets for patients and patient advocates to make
21 certain that their life matters, and that when they
22 are gone, the insights they will have shared will
23 have improved the lives of others.

24 We believe it's a fundamentally strong program.
25 It has great talent associated with it. And we feel

1 like our voice is equal at the table and our concerns
2 are equal too, for safety, accountability to the
3 taxpayers, and our concerns are heard. So we
4 appreciate the opportunity to participate. And
5 Lauren, thank you very much.

6 MS. ROTH: Thank you, Paul. Those are important
7 insights for us and for all of the folks
8 participating in this meeting today. And I just want
9 to say thank you again for taking the time to share
10 those. And I also wanted to turn it over to our next
11 speaker, Amy Ohmer, from the International Children's
12 Advisory Network. Amy?

13 MS. OHMER: Thank you, Lauren. I'm so glad to
14 be here today. And before I start off, I just want
15 to say, I'm very thankful to the agency and all of
16 you at the MDUFA V team for the opportunity to share
17 some thoughts today. I represent the International
18 Children's Advisory Network, as you just shared. And
19 our mission is simple. It's to foster the greater
20 global understanding about the importance of the
21 pediatric patient and caregiver voice in healthcare,
22 and clinical trials, and research.

23 And our organization, our membership is our
24 kids. So this is a really important thing to us. To
25 be a part of. And at iCAN we support the work that

1 MDUFA is doing to support the best interests in the
2 healthcare of patients of all ages. Right down to
3 the youngest patient.

4 We believe the goals that MDUFA has set forth
5 help us to address the need to get patients' medical
6 devices quickly and safely with an emphasis on
7 ensuring patient voice, especially through
8 pediatrics. This is an important need for us because
9 pediatrics is a short time. And our kids deserve the
10 best quality healthcare that they can receive at the
11 very beginning of life. So that they have a longer,
12 happier, and more fulfilled life as they go forward.
13 Next slide, please.

14 And through our partnership with the FDA, we've
15 been very fortunate to be able to share in providing
16 that patient perspective through different projects
17 that we've worked with the FDA. And we also, on a
18 continuous basis, provide young people to share their
19 voices forward focus groups, speaking opportunities,
20 surveys, and any kind of creative communication, like
21 art and stories, and their own ideas. And this is an
22 important piece that we hope is included within the
23 MDUFA plan as we go forward that we should meet kids
24 where they are today.

25 And having them share their voice in unique

1 ways that are appropriate for children to communicate
2 through. That will be a support that will ensure
3 that we're understanding the needs of patients. They
4 can communicate them. But it may be just different
5 than what you're currently seeing through the adult
6 population. And next slide, please.

7 So what we recommend is to include the patient
8 voice early on within all projects and all reviews.
9 And we want to support the feedback loop of patient
10 review changes and then another patient review. This
11 is incredibly important as kids like to know how
12 their voices are being utilized, what they're
13 sharing, the content, how important it is, and we
14 think that should also be included as another
15 suggestion. We also think that -- as we had spoke
16 earlier about meeting children and young people right
17 where they are by offering a variety of ways to
18 participate in supplying that patient perspective is
19 very important. And we wanted to make sure that the
20 FDA recognizes that the culture and community of
21 pediatric is one that needs to support multiple
22 language and multiple reading abilities.

23 This is critically important for our kiddos as
24 they go forward and as they grow so they can
25 understand and work in partnership. We also

1 recognize that we have work on our end to do so we'd
2 like to incorporate things to help support your work
3 with curriculums that we're designing to share
4 insights of our young people and to help train and
5 teach and ensure that the kids as they grow up are
6 understanding more of what they can accomplish and
7 do.

8 To that end, we support the use of patient
9 science engagement and the use of real-world
10 evidence. We work in collaboration with many
11 different groups, and we want to ensure that
12 community of support is included within pediatric
13 medical development. That it's not settle driven and
14 that it incorporates everyone that can support
15 children in a way that brings about the best possible
16 health.

17 And then we would also like to provide support
18 for showing the draft guidance practices and
19 specifically having our kids review that material and
20 that content right directly from the FDA and showing
21 where they can also support and help.

22 Incredibly important and very critical in
23 ensuring that our kids feel as though they're
24 stakeholders and have the ability to move ahead in a
25 way that leads them to know that they were being

1 thought of as a group and not as an afterthought.

2 Next slide, please.

3 And then we would also like to continue to have
4 engagement from the FDA, I think this has been a
5 wonderful thing in that the FDA has participated in
6 helping our kids understand and learn directly from
7 their staff points. So we would love to continue to
8 have that happen, too, as far as supplying
9 educational materials directly from the FDA to help
10 teach the kiddos on what they can do to participate
11 as they move forward. And with that said, that's our
12 end.

13 And again, I just want to thank you for
14 allowing us to few minutes to talk about the young
15 person's perspective and making sure that they're not
16 forgotten as we move forward in MDUFA V.

17 MS. ROTH: Thank you, Amy. Thank you very much
18 for providing that important diverse perspective from
19 the perspective of our young people. And with that,
20 I would like to turn it over to Dylan Simon from the
21 EveryLife Foundation for Rare Diseases. Dylan, thank
22 you for being here today.

23 MR. SIMON: Thank you, Lauren. Thank you for
24 inviting me to present on behalf of the EveryLife
25 Foundation for Rare Diseases in the rare disease

1 community. My name is Dylan Simon, and I am pleased
2 to serve as director of policy for the EveryLife
3 Foundation for rare diseases.

4 We are a rare disease policy organization that
5 understands that no disease is too rare to deserve
6 diagnosis and treatment, and rare disease devices
7 should be safe and effective. To that end, we
8 convene a robust coalition comprised of patient
9 advocacy organizations, biopharmaceutical partners,
10 coalition groups, and other relevant stakeholders
11 with a shared interest in rare diagnostic and
12 therapeutic development, and regulatory
13 infrastructure policy. Today's remarks are a
14 reflection of the engagement with this coalition.

15 First and foremost, thank you for all the work
16 that you and your FDA colleagues do to protect the
17 rare disease community and the nation. We are
18 grateful for your leadership as your capacity was
19 stretched during the pandemic to ensure that the
20 urgency of other areas did not wane.

21 For the more than 30 million Americans living
22 with rare diseases, a disproportionate percentage of
23 whom are children, the pandemic further exacerbated
24 the challenges they face in rare disease therapy and
25 diagnostic development.

1 A joint FDA/NIH report about medical devices
2 and rare diseases found that 77 percent of clinicians
3 cite a need for entirely new diagnostic and/or
4 therapeutic devices, with 64 percent dissatisfied
5 with existing diagnostic and/or therapeutic devices.
6 Around 95 percent of rare diseases still having no
7 FDA-approved therapy. Innovation in diagnostics and
8 devices is essential for filling this unmet need in
9 the rare disease community. The continued commitment
10 and understanding of that need is evident in the
11 MDUFA V enhancements we are discussing today.

12 To start off CDRH has long been a leader in
13 patient engagement efforts and the commitments made
14 during MDUFA IV built upon that legacy. CDRH has
15 been a leader in committing to robust patient
16 engagement through the Patient Engagement Advisory
17 Committee and the patient and caregiver connection
18 programs.

19 In addition, the advancements in the conduct
20 and use of patient preference information is directly
21 attributable to the center's commitment to meaningful
22 incorporation of patient experiences in the
23 regulatory process.

24 The EveryLife Foundation is very pleased to see
25 the FDA's commitment to advancing the field of

1 patient engagement clear in the MDUFA V commitment
2 letter released last month, including the continued
3 growth of expertise on how to include voluntary
4 patient preference information, voluntary patient-
5 reported outcomes, and/or patient-generated health
6 data in submissions. In addition, agreeing to
7 provide best practices on how to incorporate clinical
8 outcome assessments identifying. As well as
9 identifying ways to improve the impact of patient
10 science that includes expanding staff understanding
11 of patient science and engagement through increasing
12 training, and exploring how to best include a diverse
13 treatment patient perspective. In addition, we want
14 to thank you for all the great work that is occurring
15 at CDRH around innovations in digital health.

16 We are pleased by the launch of the digital
17 health center of excellence and eager to see all the
18 great work the center will do in setting
19 international standards on developing software and
20 other digital harmonization efforts. Within the rare
21 disease community, digital health holds great promise
22 for shortening the diagnostic odyssey for so many
23 with rare diseases. During the COVID-19 pandemic,
24 the use of telehealth grew tremendously within the
25 rare disease community.

1 It showed that temporary policy changes allowed
2 46 percent of Americans to replace a canceled
3 healthcare visit with a telehealth service during the
4 pandemic. With so many patients accessing care
5 virtually, expectations for the future of our
6 healthcare system have shifted significantly and 76
7 percent of Americans now report having a strong
8 interest in using telehealth moving forward.

9 Telemedicine and digital health will play a
10 vital role in the diagnostic and therapeutic process
11 moving forward. The EveryLife Foundation is pleased
12 to see the FDA is working to stay at the forefront of
13 digital health with the inclusion of digital health
14 in the MDUFA V commitment letter.

15 The continued focus on developing expertise on
16 software, interoperable devices, and artificial
17 intelligence/machine learning highlights the
18 understanding of the expected growth in the digital
19 health space and how important it is within the
20 device development process.

21 In addition, we would also encourage that as we
22 work to further refine these commitments, we think
23 about how to better engage with the rare disease
24 community. While many rare disease priorities are
25 identified broadly throughout the MDUFA V commitment

1 letter, challenges specific to the rare disease
2 community are not addressed.

3 Understanding the natural history of a disease
4 is foundational to a rare disease therapy development
5 program. However, because of the small numbers of
6 patients affected, the natural history of rare
7 diseases is often poorly described, making it
8 difficult to engage the agency consistently in the
9 development of overarching standards.

10 In addition, the ability to detect clinically
11 meaningful outcomes requires understanding of their
12 rate of occurrence, rare ability, importance to
13 patients, and the amount of changes that would be
14 considered clinically meaningful. All of these
15 contributes to difficulties in powering a study in an
16 already small population. The incorporation of
17 patient preference studies discussed multiple times
18 throughout the MDUFA V commitment letter is a vital
19 part of improving the regulatory process.

20 Due to the unique challenges of the rare
21 disease regulatory process such as those just
22 described, it is important for the FDA to consider
23 these complexities and how they impact existing and
24 future guidances.

25 We encourage CDRH to prioritize strong

1 collaboration with CDRH's Office Of Organ Product
2 Development, identify areas of need for rare-disease
3 specific guidance that can ensure the benefits of
4 patient preference studies and CDRH's dedication
5 incorporating patient experience data into the
6 regulatory process can be fully realized by the rare
7 disease population as well.

8 The EveryLife Foundation is encouraged by the
9 provisions within the MDUFA V commitment letter. We
10 are grateful to all of the community members who have
11 worked so hard to ensure that the needs, priorities,
12 opportunities of the rare disease community is so
13 strongly reflected in these considerations. And our
14 collective patient community organization partners
15 are eager to continue to lean in and work with the
16 agency, sponsors, and patient communities to ensure
17 that the rare disease communities' patient experience
18 continues to inform considerations and decision-
19 making all throughout the product development life
20 cycle.

21 Thank you for your tireless work on behalf of
22 the rare disease community. And for your commitment
23 to ensuring that the promise of today's pipelines
24 will change health outcomes for this generation of
25 patients. Thanks so much.

1 MS. ROTH: Thank you, Dylan. Thank you again
2 for joining us today. And for our final speaker in
3 this portion of the agenda, I would like to welcome
4 Paul Melmeyer from the Muscular Dystrophy
5 Association. Thank you, Paul.

6 MR. MELMEYER: All right. Thank you very much,
7 Lauren. I am Paul Melmeyer the Vice President of
8 Public Policy and Advocacy at The Muscular Dystrophy
9 Association. Seeing we have 23 minutes left in this
10 section maybe I'll wax about medical devices which
11 I've long wanted to do. No, I'm kidding, I'll stay
12 within my time allotted.

13 So just as a quick introduction to MDA, we
14 serve the neuromuscular disease community through a
15 variety of services including, advocacy, education,
16 summer camps, family and community supports,
17 coordinated care approaches, and funding research and
18 scientific discovery. Individuals with neuromuscular
19 diseases use devices throughout their experience with
20 their stees, their diagnosed using either newborn
21 screening, or genetic testing, or other diagnostics,
22 oftentimes mobility assistive devices, and some often
23 also use ventilators, respirators, or tracheas. So
24 consequently devices are very important to our
25 community which is why MDA puts a focus on FDA's

1 medical device efforts including as a member of the
2 patient and caregiver connection, participating in
3 patient engagement advisory committee hearings, and
4 taking advantage of all MDUFA participation
5 opportunities that are offered to us. So there are
6 several important provisions within the MDUFA V
7 commitment letter that I would like to highlight.

8 First and foremost a well-funded CDRH is really
9 an existential importance to our community. And to
10 bringing life-changing diagnostics and devices to
11 those with neuromuscular diseases. And so we're
12 pleased to see over 200 -- at least over 200 new FTEs
13 that are being -- expected to be hired under this
14 agreement with potentially many more from there.

15 Second, the patient science and engagement
16 section includes several exciting new goals and
17 initiatives. So this agreement would include new
18 staff to expand expertise in assistance on including
19 patient preference information and patient-reported
20 outcomes and product submissions, we hope this staff
21 will be able to assist not only industry partners but
22 also patient organizations who are aiming to collect
23 such data.

24 Also included within this section is guidance
25 that will be published on using innovative clinic

1 outcome assessments and device trials. The
2 neuromuscular disease community really needs better
3 endpoints, so this guidance is welcome. Still, COAs
4 don't just appear out of thin air. CDRH and CEBR
5 have a COA qualification program as well as a funding
6 mechanism for the development of COA's so we hope
7 CDRH will work with colleagues and CDRH and CEBR on
8 their COA efforts. But what consider additional ways
9 to further developments of innovative COA's not just
10 inclusion within clinical trials.

11 Within this section, there's a provision that
12 supports development of new technologies to capture
13 patient experience and input to better structure
14 clinical trials. This could help revolutionize not
15 only device trials but also biologic trials as well.
16 These technologies that allow for remote collection
17 of data are often devices themselves, so CDRH has the
18 opportunity to not only revolutionize trial
19 structures but also the devices necessary to do so.

20 In this provision, there's a public meeting
21 expansion of staff knowledge and training as well as
22 updating of previous guidances that will all be very
23 welcome.

24 And then there's additionally a provision on
25 using case examples of successful use of PROs which

1 is really fantastic, and we hope that CDRH will work
2 with the patient community on what PROs are
3 preferable and what the definition of success is to
4 the community. Not just to industry.

5 We strongly support the provision intended to
6 tackle lack of diversity in current approaches to
7 patient inclusion. And again we urge the agency to
8 partner with patient communities already working on
9 this very issue.

10 And then finally under this section also
11 support the creation of patient-facing educational
12 materials for all of these topics. We encourage CDRH
13 to work with all PCC members in doing so.

14 The next section I want to mention is on real-
15 world evidence. As this section similarly advances
16 device developments and exciting new ways. We
17 support updating previous guidances on real-world
18 evidence, particularly with case examples, and
19 support the furtherance of the real world evidence
20 training program, and encourage CDRH to partner with
21 other medical centers who are also working on real-
22 world evidence and real-world data.

23 We similarly encourage CDRH when evaluating
24 these efforts in the two or more public meetings that
25 patient focus success measures for these real-world

1 evidence are also included. Not just success
2 measures under the user fee agreement or for those in
3 industry.

4 The fourth section I want to mention that I
5 want to comment on is on digital health and we're
6 pleased to see this section within the commitment
7 letter. But we also urge FDA to include patients in
8 the organizations that serve them in these efforts.;
9 As we did not see any mention of the patient
10 community, or patient organizations within the
11 commitment letter as being able to participate within
12 these processes.

13 Finally, while outside the scope of this
14 commitment letter we still encourage the continued
15 development of policy approaches to resolve our
16 current absence of inadequate regulatory approach to
17 lab-developed tests. As well as the need for re-
18 examination of the incentives to develop humanitarian
19 youth devices or devices intended for knows with rare
20 disease easy.

21 So in conclusion, we're excited about many of
22 the initiatives included within this agreement and
23 we'll be advocating for its swift enactment in
24 congress later this year. We also see ways in which
25 the implementation of this agreement can be pursued

1 in partnership with the patient community as already
2 detailed. So thank you again for the opportunity to
3 participate today. Lauren, back to you.

4 MS. ROTH: Thank you, Paul. And with Paul's
5 comments, we are now at the end of our third portion
6 of the public meeting today. And if we were all live
7 at White Oak as we would have been before the
8 pandemic, this would have been an opportunity for
9 open public comment. The benefits of a virtual
10 approach is that we can get a lost participation from
11 a really wide range across a really wide spectrum of
12 people geographically, they don't have to be in the
13 D.C. area.

14 The downside, of course, is that we do have to
15 choreograph the open public comment period a bit more
16 than we otherwise would in order to ensure that we
17 have the people available and on the line. So I just
18 want to extend thanks to everyone who registered to
19 participate in this portion of the discussion.

20 We did have three individuals that we heard
21 from and so I would like to turn it over to those
22 folks to provide their perspectives on medical device
23 reauthorization process and I will start with Robert
24 Durgin. Robert, if you could introduce yourself, and
25 provide your comments now, that would be great.

1 Welcome.

2 MR. DURGIN: Good afternoon, Lauren. Hi,
3 everyone, I'm Bob Durgin and I serve as the Vice
4 President for Regulatory Affairs Global Policy for
5 Johnson and Johnson's med-tech sector. I'm here
6 today to express support for the MDUFA V commitment
7 letter agreement. To begin with, given the
8 significant impact to the COVID-19 pandemic on the
9 workload of CDRH, Johnson and Johnson would like to
10 commend the center as well as each individual
11 reviewer and their managers for their tremendous
12 effort in responding to the pandemic for the benefit
13 of patients and healthcare providers. You all did an
14 outstanding job.

15 With respect to the MDUFA V commitment letter,
16 Johnson and Johnson believes that FDA and the
17 industry have produced an agreement that will further
18 strengthen the medical device premarket review
19 program by ensuring that Johnson believes that FDA
20 and the industry have produced an agreement that will
21 further strengthen the medical device premarket
22 review program by ensuring that the agency has the
23 resources it needs by enhancing review predictability
24 and transparency, and by continuing to ensure that
25 patients have timely access to safe and effective

1 medical devices.

2 The user fee program has changed over the years
3 as technologies have advanced and the FDA's needs
4 have evolved. And the performance goal as reflected
5 in the agreement have been honed to meet those
6 evolving needs.

7 In this agreement, industry has supported
8 significant increases in investment which lead to
9 concomitant increases in the number of personnel that
10 support the premarket review process.

11 The MDUFA V user fee negotiations have resulted
12 in funding levels that will provide the resources
13 necessary to return to pre-pandemic review
14 performance and continue to support the development
15 of innovative medical devices designed to meet the
16 unmet clinical needs of American patients.

17 In sum, Johnson and Johnson supports the MDUFA
18 V agreement as reflected in the commitment letter,
19 and thank you for allowing our participation today.

20 MS. ROTH: Thank you. Next, I'd like to turn to
21 Scott Trevino. Scott, if you could introduce
22 yourself.

23 MR. TREVINO: Thank you, Lauren. Good
24 afternoon, everybody, and thank you for the
25 opportunity to speak. My name is Scott Trevino and

1 I'm the Senior Vice President for cybersecurity at
2 TRIMEDX leading independent service organization for
3 medical devices. As well as a founding member of the
4 Alliance for Quality Medical Device Servicing.

5 I want it start by saying that the alliance is
6 a coalition of five leading independent medical
7 device servicing groups that represent a large
8 segment of the U.S. medical device service industry
9 collectively employing tens of thousands of
10 associates in all 50 states and servicing millions.
11 And maintaining millions of medical devices. So I
12 thank you again for this opportunity. I wanted to
13 express our support for the Medical Device User Fee
14 Amendments. And share that we see this as a critical
15 component to ensuring safety and effectiveness of
16 medical devices in our industry. I additionally,
17 wanted to touch on a couple topics that are also
18 critical to the continued safety and effectiveness of
19 medical devices. Specifically related to service and
20 maintenance of medical devices.

21 First, the requirement of fair access at a
22 reasonable cost to the materials necessary for
23 service and maintenance of medical devices is a
24 particular importance to the safety and effectiveness
25 of those devices. And as such it's our belief that

1 the FDA should align with recent FTC statements as
2 well as present Presidential Executive Order on right
3 to repair and do its part to ensure fair access to
4 those materials.

5 Additionally, as is well known, the healthcare
6 industry's number one targeted sector out of all
7 critical infrastructure for cybersecurity threats and
8 vulnerabilities. However, it's not uncommon that
9 these vulnerabilities and threats to medical devices
10 take a significant amount of time to be addressed and
11 many cases are not addressed at all.

12 And when available such remediations and
13 mitigating controls are often difficult if not very
14 hard to implement further slowing down the process.
15 We appreciate the FDA's efforts and applaud those our
16 own cybersecurity and would encourage FDA to consider
17 taking more steps to address these challenges.

18 Finally, I wanted to take few moments to
19 highlight legislation in particular HR7253. This is
20 a bill that redefine remanufacturing. And the bill
21 would circumvent the outgoing FDA process to develop
22 guidance on remanufacturing of the medical devices.

23 Although this legislation proposes to clarify
24 the issue of remanufacturing, it creates more
25 confusion, and conflicts with current guidance, and

1 raises following concerns. There's no apparent
2 evidence that an inadequate definition of
3 remanufacturing is a significant threat to patient
4 safety. The definition provided until the
5 legislation is vague and overly broad further
6 confounding the issue of what is and is not
7 remanufacturing.

8 The Bill is unduly burdensome and places heavy
9 burden on industry participants to prove they are not
10 remanufacturing. And finally fails to provide for
11 fair access at a reasonable price, so the materials
12 needed to comply with provisions. Given this, we
13 encourage the FDA to continue with its existing
14 guidance process and oppose efforts by Congress and
15 industry trade groups to broadly redefine
16 remanufacturing.

17 In conclusion, I want to say thank you very
18 much for this opportunity to speak. We support the
19 Medical Device User Fee Amendments and strongly
20 encourage FDA to pursue further actions to ensure
21 fair access to service materials, take additional
22 actions to improve cybersecurity and continue with
23 the ongoing guidance process for remanufacturing.
24 Thank you.

25 MS. ROTH: Thank you, Scott. Maria Gmitro is

1 our next speaker. Maria, can I turn it over to you?

2 MS. GMITRO: Yes. Good afternoon. My name is
3 Maria Gmitro and I thank you for the opportunity to
4 speak today. I reacted negatively to a common FDA-
5 approved medical device and my health changed
6 significantly, which is why I choose to be involved
7 in patient and consumer safety. I have no financial
8 conflicts of interest. I am President and Founder of
9 Breast Implant Safety Alliance. Also known as a
10 BISA nonprofit.

11 Grassroots organization continues the work of
12 issues raised by women doctors and patients for
13 decades in regards to breast implants. Our mission
14 is to raise awareness, optimize outcomes, and ensure
15 informed consent for patients considering breast
16 implant surgery. We empower patients and work
17 collaboratively with all stakeholders including
18 healthcare providers and regulators, and legislature
19 to support system of education and accountability
20 that promote patient safety.

21 Patient and advocate education is very
22 important to us, so to part us education is to
23 understand how medical devices are approved and
24 regulated. I was thankful to be part of -- I was
25 thankful to be a consumer rep for BISA during the

1 MDUFA V state quarter consultation meetings and have
2 appreciated the opportunity to learn more about the
3 MDUFA process.

4 Over the past year attended these meetings and
5 have continued to express my concerns but I'm
6 starting to feel a bit like a broken record.
7 Advocates continue to have concerns about the
8 transparency and accountability involved in this
9 process. The MDUFA draft commitment letter provides
10 the medical device industry seems more influenced
11 than it does to hold the consumer and patients' best
12 interest for protection under safe and effective
13 medical devices.

14 We don't want to stifle innovation. However,
15 these devices that are harming patients were once
16 deemed safe and effective. In 2019 a class one
17 recall was placed on Allergan Biocell breast implants
18 due to increased risk of cancer. A class one recall
19 is the most urgent and serious of these types of
20 recalls and pertains to defective products that can
21 cause serious health and problems or death.

22 Even though the cancer caused by textured
23 breast implants has also been linked to all
24 manufacturers, only the Allergan Biocell breast
25 implants have been voluntarily recalled. And the

1 general public is not aware of it. Now, on October
2 27th, 2021, the FDA issued a black box warning on
3 breast implants this was to alert the public and
4 healthcare providers of the serious side effects,
5 such as injury or death. However, this information
6 is not reaching the general public.

7 Over the past two years, I've personally
8 witnessed the impact on patients when a device is
9 deemed no longer safe and effective. And the results
10 have been devastating. We hear from patients that
11 volunteer no idea which devices they have in their
12 body. They're also very upset when they learn that
13 they were not informed that the implants in their
14 body were recalled. And that the cancer can develop
15 years after the device has been removed. The
16 information is not reaching the general public when
17 it does patients lose faith in FDA and the current
18 process in place.

19 As a key stakeholder, I urge the FDA to
20 strengthen pre-and post-market safety performance
21 measures and surveillance as part of the MDUFA
22 commitment letter.

23 User fees should be used to strengthen post-
24 market surveillance activities including timely
25 monitor of post-market clinical trials. User fees

1 should strengthen adverse event monitoring and
2 improve the speed of device recalls.

3 We will continue to share patient stories and
4 experiences with members of Congress because patients
5 and consumers deserve better and should be protected
6 from devices that are unsafe and ineffective.

7 The tone of today's meeting seems to be one of
8 positivity and approval and I'm usually very positive
9 but as I speak today, I am thinking of all the
10 patients that have been harmed by breast devices that
11 were once deemed safe and effective. And innovation
12 is exciting, but the inconvenient truth is there's a
13 lacks approval looks process, and this oversight
14 continues to be a cause for concern. Please consider
15 the proposals put forth by Public Citizen in the
16 National Center for Health Research.

17 And I thank you for the opportunity to speak
18 today and will follow up by submitting additional
19 written comments. Thank you so much.

20 MS. ROTH: Thank you, Maria. And with that, we
21 are concluded with our presentations by outside
22 stakeholders. And I want to just offer a few
23 concluding thoughts. And the first is by a way of
24 thanks. I know I've said this a few times during the
25 meeting. But I do greatly appreciate all of the

1 feedback that we have received throughout this
2 process from the inception of the process with the
3 public meeting in October to the monthly stakeholder
4 meetings that we've had over the course of the past
5 year, to the feedback that we've received here today,
6 and that we look forward to receiving in the docket.

7 I also want to highlight that after today FDA's
8 engagement with the public on aspects of the MDUFA
9 agreement does not end. And we heard that to some
10 extent in the remarks from the National Health
11 Council and others, implementation of the MDUFA
12 agreement is the next phase and equally as important
13 as the negotiation of the agreement itself. And
14 during the implementation phase, there are a number
15 of mechanisms in the draft commitment letter that
16 provide for public engagement.

17 We've heard about them today, so I won't
18 provide an exhaustive list but rather I want to
19 highlight that the proposals related to pre-
20 submissions, real-world evidence, international
21 harmonization, digital health, and patient science
22 and engagement all include mechanisms for public
23 feedback either on draft guidance's, strategic plans,
24 or other documents.

25 So we hope that you'll continue to provide your

1 perspectives, your ideas, your data, and other
2 information through these and other channels to help
3 inform FDA's implementation of our programs and these
4 and other areas.

5 Thank you again for all of your support, and
6 for your honest feedback, and your diverse
7 perspectives during the meeting and we look forward
8 to continuing to engage with you. And with that, I
9 will say I hope you have a wonderful afternoon.
10 Thank you.

11 (Whereupon, at 4:00 p.m., the meeting was
12 adjourned.)

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C E R T I F I C A T E

This is to certify that the attached proceedings in
the matter of:

PUBLIC MEETING - MEDICAL DEVICE USER FEE AMENDMENTS
FOR FISCAL YEARS 2023 THROUGH 2027

April 19, 2022

Via Microsoft Teams Videoconference

were held as herein appears, and that this is the
original transcription thereof for the files
of the Food and Drug Administration, Center for
Devices and Radiological Health, Medical
Devices Advisory Committee.

KIMBERLY ALLEN

Official Reporter

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CERTIFICATE OF TRANSCRIPTIONIST

I, MELLONEE MCDONALD, a transcriptionist located in BLOOMINGDALE, OHIO, hereby certify:

That the foregoing is a complete and accurate transcript of the digital audio recording of the proceeding in the above-entitled matter, all to the best of my skills and ability.

I further certify that I am not related to any of the parties to this action by blood or marriage and that I am in no way interested in the outcome of this matter.

IN WITNESS THEREOF, I have hereunto set my hand this 24th day of April, 2022.

Mellonee McDonald