

UNITED STATES OF AMERICA
 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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OBSTETRICS AND GYNECOLOGY DEVICES PANEL

+ + +

December 11, 2008
 8:00 a.m.

Holiday Inn
 Two Montgomery Village Ave.
 Gaithersburg, Maryland

PANEL MEMBERS:

MARCELLE CEDARS, M.D.	Chairperson
HERBERT PETERSON, M.D.	Voting Member
SUSAN RAMIN, M.D.	Voting Member
HOWARD SHARP, M.D.	Voting Member
RALPH D'AGOSTINO, Ph.D.	Consultant
ANN DAVIS, M.D.	Consultant
MELISSA GILLIAM, M.D., M.P.H.	Consultant
PAULA HILLARD, M.D.	Consultant
DAVID KATZ, Ph.D.	Consultant
JEANNE MARRAZZO, M.D.	Consultant
NANCY PADIAN, Ph.D.	Consultant
PHILLIP STUBBLEFIELD, M.D.	Consultant
MICHAEL THOMAS, M.D.	Consultant
DAVID (LEE) WARNER, Ph.D.	Consultant
JONATHAN ZENILMAN, M.D.	Consultant
ELISABETH GEORGE	Industry Representative
MICHAEL T. BAILEY, Ph.D.	Executive Secretary

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Acting Director, Division of Reproductive,
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COLIN M. POLLARD
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M E E T I N G

(8:00 a.m.)

1
2
3 DR. BAILEY: Hello? I'd like everybody to
4 take their seats. We're going to get started.

5 DR. CEDARS: I'd like to call the meeting
6 to order if people could please take their seats. Do
7 you want me to whistle? I can. I can. I'd like to
8 call this meeting of the Obstetrics and Gynecology
9 Devices Panel to order. I'm Dr. Marcelle Cedars, the
10 Chair of this Panel. I am a reproductive
11 endocrinologist from UCSF. If you haven't already
12 done so, please sign the attendance sheets that are
13 on the table by the doors, and if you're presenting
14 in any of the open public sessions today and have not
15 previously provided a copy of your presentation to
16 the FDA, please arrange to do so with Ms. Toby Lowe,
17 and if Ms. Lowe could identify herself? Thank you.

18 I note for the record that the voting
19 members present constitute a quorum as required by 21
20 C.F.R. Part 14, and I'd also like to add that the
21 Panel participating in the meeting today have
22 received training in FDA device law and regulations.
23 I'd also like to remind all attendees, if you've not
24 already done so, to please silence your cell phones.

25 Dr. Bailey, the executive secretary for the

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1 Obstetrics and Gynecology Devices Panel, will make
2 some introductory remarks.

3 DR. BAILEY: Good morning. I will now read
4 the FDA Conflict of Interest Disclosure Statement.
5 The Food and Drug Administration is convening today's
6 meeting of the Obstetrics and Gynecology Devices
7 Panel of the Medical Devices Advisory Committee under
8 the authority of the Federal Advisory Committee Act
9 of 1972. With the exception of the industry
10 representative, all members and consultants of the
11 Panel are special government employees or regular
12 federal employees from other agencies and are subject
13 to federal conflict of interest laws and regulations.

14 The following information on the status of
15 this Panel's compliance with federal ethics and
16 conflict of interest law is covered by, but not
17 limited to those found at 18 U.S.C. 208 and 712 of
18 the federal Food, Drug and Cosmetic Act, are being
19 provided to participants in today's meeting and to
20 the public. FDA has determined that the members and
21 consultants of this Panel are in compliance with
22 federal ethics and conflict of interest laws.

23 Under 18 U.S.C. 208, Congress has
24 authorized FDA to grant waivers to special government
25 employees who have financial conflicts when it is

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1 determined that the Agency's need for a particular
2 individual's service outweighs his or her potential
3 financial conflict of interest. Under Section 712 of
4 the Food, Drug and Cosmetic Act, Congress has
5 authorized FDA to grant waivers to special government
6 employees and regular government employees with
7 potential financial conflicts when necessary to
8 afford the committee essential expertise.

9 Related to the discussion of today's
10 meeting, members and consultants of this Panel who
11 are special government employees have been screened
12 for potential financial conflicts of interest of
13 their own as well as those imputed to them, including
14 those of their spouses or minor children and, for
15 purposes of 18 U.S.C. 208, their employers. These
16 interests may include investments, consulting, expert
17 witness testimony, contracts, grants, Cooperative
18 Research and Development Agreements, teaching,
19 speaking, writing, patents and royalties, and primary
20 employment.

21 Today's agenda involves the discussion of a
22 premarket approval application for FC2 Female Condoms
23 sponsored by the Female Health Company. This device
24 is indicated to help prevent HIV/AIDS and unintended
25 pregnancy. This is a particular matters meeting

1 during which specific matters related to the PMA will
2 be discussed.

3 Based on the agenda for today's meeting and
4 all financial interests reported by the Panel members
5 and consultants, no conflict of interest waivers have
6 been issued in accordance with 18 U.S.C. 208 and 712
7 of the FD&C Act. A copy of this statement will be
8 available for review at the registration table during
9 this meeting and will be included as part of the
10 official transcript.

11 Ms. Elisabeth George is servicing as the
12 industry representative acting on behalf of all
13 related industry and is employed by Philips Medical
14 Systems.

15 We would like to remind members and
16 consultants that if the discussions involve any other
17 products and firms not already on the agenda for
18 which an FDA participant has a personal or imputed
19 financial interest, the participants need to exclude
20 themselves from such involvement and their exclusion
21 will be noted for the record. The FDA encourages all
22 other participants to advise the Panel of any
23 financial relationships that they may have with any
24 firms at issue.

25 I am now going to read the first of two

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1 appointment to temporary voting status statements.
2 Pursuant to the authority granted under the Medical
3 Devices Advisory Committee Charter, dated October
4 27th, 1990, and amended August 18th, 2006, I appoint
5 the following as voting members to the Obstetrics and
6 Gynecology Devices Panel for the duration of this
7 meeting on December 11th, 2008: Ralph D'Agostino,
8 Ann Davis, Paula Hillard, David Katz, Jeanne
9 Marrazzo, Nancy Padian, Phillip Stubblefield, Michael
10 Thomas, David Warner, and Jonathan Zenilman.

11 For the record, these people are special
12 government employees and are consultants to this
13 Panel or another Panel under the Medical Devices
14 Advisory Committee. They have undergone the
15 customary conflict of interest screening review, and
16 they reviewed materials to be considered at this
17 meeting. This was signed by Daniel Schultz,
18 director, Center for Devices and Radiological Health,
19 and signed on November 25th, 2008.

20 The second statement. Pursuant to the
21 authority granted under the Medical Devices Advisory
22 Committee Charter of the Center for Devices and
23 Radiological Health, dated October 27th, 1990, and as
24 amended August 18th, 2006, I appoint Melissa Gilliam
25 as temporary voting member of the Obstetrics and

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1 Gynecology Devices Panel for the duration of the
2 meeting on December 11th, 2008. For the record,
3 Dr. Gilliam serves as a consultant to the Advisory
4 Committee for Reproductive Health Drugs of the Center
5 for Drug Evaluation and Research.

6 She is a special government employee who
7 has undergone the customary conflict of interest
8 review and has reviewed the materials to be
9 considered at this meeting. This was signed by
10 Randall Lutter, deputy commissioner for policy, and
11 dated November 26th, 2008.

12 Before I turn the meeting back over to
13 Dr. Cedars, here are a few general comments.
14 Transcripts of today's meeting will be available from
15 Free State Court Reporting, and there's information
16 about that outside the door. Information on
17 purchasing videos for today's meeting can be found on
18 the table outside the meeting room. Presenters to
19 the Panel who have not already done so should provide
20 FDA with a copy of their remarks.

21 I would like to remind everyone that
22 members of the public and press are not permitted in
23 the Panel area beyond the speaker's podium. The
24 press contact for today's meeting is Siobhan
25 Delancey. Would you like to stand, please? So

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1 please talk to Siobhan if you have any press issues.
2 And I request that reporters wait to speak to FDA
3 officials until after the Panel meeting. I'd like to
4 now pass it back to Dr. Cedars.

5 DR. CEDARS: Good morning. At this Panel,
6 we will be making a recommendation to the Food and
7 Drug Administration on the premarket approval
8 application P080002 for the FC2 Female Condom from
9 the Female Health Company. Before we begin, I'd like
10 to ask our Panel members and FDA staff seated at the
11 table to introduce themselves. Please state your
12 name, your area of expertise, your position, and your
13 affiliation, and if we could start with Ms. George,
14 please?

15 MS. GEORGE: My name is Elisabeth George,
16 and I'm the Vice President of Quality and Regulatory
17 at Philips Healthcare.

18 DR. HILLARD: Paula Hillard, Professor of
19 Gynecology and Obstetrics at Stanford University
20 Medical School.

21 DR. WARNER: Lee Warner, senior scientist,
22 Division of Reproductive Health at CDC.

23 DR. DAVIS: Ann Davis, Professor of OB/GYN,
24 Tufts Medical School, Department of Peds and OB/GYN.

25 DR. KATZ: David Katz, Professor of

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1 Biomedical Engineering and Professor of Obstetrics
2 and Gynecology at Duke University.

3 DR. THOMAS: Michael Thomas, Professor of
4 Obstetrics and Gynecology and director of the
5 Division of Reproductive Endocrinology and
6 Infertility at the University of Cincinnati.

7 DR. D'AGOSTINO: Ralph D'Agostino, Chair of
8 the Mathematics and Statistics Department at Boston
9 University, consultant to the Committee.

10 DR. PADIAN: Nancy Padian, reproductive
11 epidemiologist, Distinguished Fellow at the Women's
12 Global Health Imperative at RTI and a Professor in
13 the Department of Epidemiology, School of Public
14 Health, UC Berkeley.

15 DR. SHARP: Howard Sharp, Associate
16 Professor of Obstetrics and Gynecology, University of
17 Utah School of Medicine.

18 DR. RAMIN: Susan Ramin, Professor and
19 Chair of the Department of Obstetrics, Gynecology,
20 and Reproductive Sciences at the University of Texas
21 in Houston.

22 DR. STUBBLEFIELD: Phillip Stubblefield,
23 Professor of Obstetrics and Gynecology, Boston
24 University.

25 DR. ZENILMAN: Jonathan Zenilman, Professor

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1 of the Department of Medicine, Division of Infectious
2 Diseases at Johns Hopkins School of Medicine and also
3 the School of Public Health, and chief of the
4 Infectious Disease Division at Johns Hopkins Bayview
5 Medical Center.

6 DR. GILLIAM: Melissa Gilliam, Associate
7 Professor of Obstetrics and Gynecology at the
8 University of Chicago and Chief of Family Planning.

9 DR. MARRAZZO: Jeanne Marrazzo, Associate
10 Professor of Infectious Diseases at the University of
11 Washington in Seattle.

12 DR. PETERSON: Bert Peterson, Professor and
13 Chair, Department of Maternal and Child Health and
14 Professor of Obstetrics and Gynecology at the
15 University of North Carolina Chapel Hill.

16 DR. WHANG: Joyce Whang, Acting Director of
17 the Division of Reproductive, Abdominal and
18 Radiological Devices here at FDA.

19 DR. BAILEY: Mike Bailey, Executive
20 Secretary of the Advisory Panel.

21 DR. CEDARS: Next, Colin Pollard, Chief of
22 the Obstetrics and Gynecology Devices Branch, would
23 like to make some introductory remarks to the Panel.
24 Mr. Pollard?

25 MR. POLLARD: Thank you, Dr. Cedars. What

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1 I'd like to do very briefly this morning is to review
2 for you a number of developments of the past year
3 since the Panel last met. And I'd like to speak to
4 three things of note, a public health notification
5 that the Center issued, a workshop on fetal
6 monitoring that we held about a month ago and some
7 new labeling requirements for male condoms, which I
8 think is particular relevant considering today's PMA
9 topic.

10 The public health notification, which we
11 issued October 20th of this year related to serious
12 complications associated with transvaginal placement
13 of surgical mesh in the repair of pelvic organ
14 prolapse and treatment of stress urinary
15 incontinence. The Center received since 2004 more
16 than 1,000 MDRs, medical device reports, from nine
17 separate manufacturers. And the essence of the
18 notification, in terms of what we were looking at,
19 the most frequent complaints, erosion through the
20 vaginal epithelium, infection, pain, urinary tract
21 symptoms, and recurrence of these problems. Also
22 reported were perforation of bowel, bladder, and
23 blood vessels and vaginal scarring.

24 And the recommendations in this
25 notification started with obtaining training for mesh

1 placement technique, being vigilant for the adverse
2 events, including infection and perforation,
3 informing the patients, informing them that the mesh
4 is permanent, that complications may occur,
5 additional surgery may be needed, and the risks
6 related to erosion, including impact on quality of
7 life; and, finally, if patient labeling is available
8 from the manufacturer to provide that to the
9 patients.

10 Last month, FDA in concert with the
11 perinatology branch at NICHD held a workshop to look
12 at intrapartum fetal monitors and, in particular,
13 computer-assisted diagnosis. Two purposes of the
14 workshop: One, to gather ideas on how to identify
15 and differentiate categories of CAD-type devices,
16 computer-assisted device systems, and the
17 corresponding levels of evidence that would be needed
18 for validation. And, secondly, we wanted to look at
19 whether currently available databases or ones that we
20 knew would be available in the near future could be
21 used to either wholly or in part verify or validate
22 those intrapartum CAD algorithms.

23 And just a little bit about the attendance.
24 We were really pleased with the kind of attendance we
25 had. We had several top-notch maternal fetal

1 medicine experts, specifically in the area of labor
2 management. We had members of the industry who are
3 manufacturing these products or might manufacture
4 them in the future, biostatisticians in this
5 particular field and several other kinds of
6 stakeholders.

7 And just sort of a short summary because
8 we're still working on the summary, we had two
9 breakout sessions specifically to do those two
10 objectives, and we got a lot of good ideas. I think,
11 in general, I think one of the fairly strong senses
12 that we got from the maternal fetal medicine folks
13 were for these CAD systems that were really going to
14 be a jump-up from what's available today, that they
15 wanted to see randomized trials looking at some kind
16 of outcome measure, some kind of fetal outcome
17 measure as a validation of CAD success. We had asked
18 them to look at some interim type multi-case, multi-
19 reader type studies, and it was fairly universal that
20 they didn't think that that was going to really be
21 sufficient for these kinds of new systems.

22 We've put together a pretty nice website on
23 this topic, and we're going to be adding to it. The
24 summary we've just started working on, and the next
25 steps, depending on how we take this, could be to

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1 look at the input we got here and possibly develop a
2 guidance document for -- to provide some help to
3 manufacturers and others developing these kinds of
4 systems. So that could lead to a Panel meeting
5 looking at a draft guidance document, but that would
6 be some time in the future.

7 And, finally, I'd like to speak to male
8 condoms made from natural rubber latex and the new
9 labeling guidance that FDA just issued a final rule
10 on. You have a copy in your -- in one of the two
11 folders in front of you. That copy, I should point
12 out, is considered for reference only. It hasn't
13 achieved its complete release for -- as in final.
14 But the final rule goes into effect in January, so we
15 expect it will be considered final very shortly.

16 So I'm going to just briefly take you
17 through about an eight-year history of this, where
18 the initial history, what we did, our proposal, the
19 nature of the public comments, and what we finally
20 wound up with. So this dates back to December of
21 2000, when a new statute, public law 106554, was
22 enacted and directed FDA to reexamine condom labeling
23 for medical accuracy with respect to accuracy or lack
24 of accuracy -- I'm sorry -- effectiveness or lack of
25 effectiveness against sexually transmitted diseases,

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1 especially HPV, and this was part of a larger HPV
2 statute. And that same year, there was an inter-
3 agency workshop headed by NIAID, the National
4 Institute of Allergic and Infectious Diseases, that
5 looked at what kind of evidence there is on condom
6 effectiveness related to STIs.

7 And so, in 2001, we began our own review of
8 the literature and including an implementation plan
9 for the statute. We used the workshop report, which
10 issued in June of 2001 as an initial building block.
11 We limited our scope to male condoms made from
12 natural rubber latex primarily because that was the
13 vast market share of these products that are used in
14 the U.S. and the vast preponderance of available
15 evidence as well.

16 And we developed a two-tiered perspective
17 for looking at condom effectiveness. And in the
18 context of all the kinds of things we looked at, we
19 looked at physical properties, we looked at condom
20 slippage and breakage studies, we looked at issues
21 related to plausibility for STI risk reduction,
22 namely the transmission vectors for different STIs.
23 We also looked at various evaluation statements and
24 summaries about condom effectiveness from other
25 federal agencies. And I should add that even as this

1 was an FDA initiative, it was very much a strong
2 inter-relationship with CDC and NIH, and we got a lot
3 of help from both of those organizations in
4 developing our implementation plan and the details of
5 it. And, obviously, we looked at quite a bit of
6 clinical data on condom protection against STIs,
7 probably several hundred studies, at least three to
8 four hundred studies in various levels of quality.

9 And, in essence, it boils down to when we
10 looked at the common STIs, the most common STIs, we
11 looked at about eight or nine of them and broke them
12 into two different groups based on what we considered
13 to be the transmission vector and what we -- as we
14 got into the data, saw a stronger evidence for risk
15 reduction. And so we called it Group 1 STIs and
16 Group 2.

17 And the Group 1 included HIV/AIDS,
18 gonorrhea, chlamydia, trichomoniasis, and hepatitis B
19 virus. And the Group 2 STIs were STIs like syphilis,
20 genital herpes, genital HPV, and chancroid. And if
21 you know a little bit about STIs, obviously, you can
22 see that this Group 2 are sort of lesion-oriented
23 type STIs, where if the lesion is on the penis and
24 the condom is covering it, you're going to get some
25 protection, but if it's not, you're not going to get

1 any protection. So you see a different level of risk
2 reduction than you do for the Group 1 STIs, where the
3 bug is actually contained in the semen.

4 And so this led to our 2005 proposal with a
5 two-tiered concept of effectiveness. And it also
6 included warnings about nonoxynol-9. We got quite a
7 few public comments, probably more than 100 different
8 commenters, and many of those comments had multiple
9 comments within them. It took us quite a while to
10 sift through them. One of the almost universal
11 levels of comments from even people who didn't agree
12 on the details was it was confusing, to sort of make
13 it simple. And so what we wound up doing was a label
14 comprehension study to try to drill into that a
15 little bit. And we simplified our message quite a
16 bit, and we also decided to defer the issue about
17 warnings about nonoxynol-9 because that was found to
18 be particularly confusing.

19 So last month, we issued a final rule. As
20 I said, in your folder, you have the guidance
21 document that resulted from that. As I mention, it
22 defers response on nonoxynol-9. It also does not
23 deal with synthetic male condoms or female condoms,
24 and it's effective January 9th of next year. And I'm
25 not going to read all of this, but you can see in the

1 guidance document there's one sort of labeling box
2 called "important information" that's on the outside
3 retail package that is sort of a very general cursory
4 kind of statement of what we're getting at. And then
5 on the package insert, a little bit more detailed
6 message about degree of STI protection that you get
7 from using condoms.

8 So the next steps on this one is going to
9 be a letter to the industry, even though I think a
10 lot of them are already aware of this. This is just
11 to give them a little bit more help on that. We're
12 planning an article in *FDA Consumer* to sort of go
13 hand in hand with this because as this releases,
14 we're concerned that people understand the message
15 that we really do believe condoms are very effective
16 products for STI protection, and we don't want people
17 to misconstrue what we're trying to get across here.
18 We'll probably partner with some other public health
19 agencies, both at federal and state levels if we can,
20 to sort of further this kind of education approach.
21 And we will also need to address other condoms not
22 covered.

23 I'd also like to point out that this is the
24 last meeting for Dr. Cedars and Ms. George as regular
25 members of our Panel, and I just want to let both of

1 them know that we truly appreciate all the work
2 they've brought to the Panel and the service they've
3 done for the federal government and for the public
4 health in general. And we will miss your input very
5 much so. And so this is just a very heartfelt thank
6 you for all your help.

7 And, finally, I'd like to mention,
8 regarding the open public hearing, we've got two open
9 public hearings, one in the morning, and one in the
10 afternoon, and we do believe this is an important
11 part of the Panel meeting, and it brings an added
12 perspective that sometimes we sort of in our own sort
13 of FDA circle and elsewhere don't have quite the same
14 ability to bring it to. So we're looking forward to
15 that. And we would encourage, if you are interested,
16 to ask questions of these speakers. So thank you
17 very much, Dr. Cedars.

18 DR. CEDARS: Does the Panel have any
19 questions for Mr. Pollard?

20 (No response.)

21 DR. CEDARS: If not, thank you. We'd now
22 like to proceed with the open public hearing portion
23 of the meeting. And I, too, would like to extend my
24 gratitude to the open public hearing participants in
25 attendance today. Public comments on devices or

1 issues before the Panel is a very important component
2 of Panel meetings. We look forward to your
3 presentation, and we'll be opening the floor after
4 each speaker to allow Panel members to ask questions
5 regarding the presentation.

6 Both the FDA and the public believe in a
7 transparent process for information gathering and
8 decision-making. To ensure such transparency at the
9 open public hearing session of the Advisory Committee
10 meeting, the FDA believes it is important to
11 understand the context of any individual's
12 presentation. For this reason, FDA encourages you,
13 the open public hearing or industry speaker, at the
14 beginning of your written or open statement, to
15 advise the committee of any financial relationship
16 that you may have with the Sponsor, its products or,
17 if known, its direct competitors.

18 For example, this financial information may
19 include the Sponsor's payment of your travel,
20 lodging, or other expenses in connection with your
21 attendance at this meeting. Likewise, the FDA
22 encourages you at the beginning of the statement to
23 advise the Committee if you do not have any financial
24 relationship. If you choose not to address the issue
25 of financial relationship at the beginning of your

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1 statement, it will not preclude you from speaking.

2 Prior to the meeting, we received formal
3 requests to speak for today's open public sessions.
4 I would like to please ask that all speakers remember
5 that we do have a time limit. We want to be able to
6 allow all the public hearing session speakers to have
7 their time to share their information with us. We
8 will be setting a timer. It will go to yellow when
9 you have one minute left, and we ask that you wrap up
10 so that there will be time for questions.

11 Our first speaker is Ms. Allison Farrell.
12 If you would, please come to the microphone. We ask
13 that you speak clearly and directly into the
14 microphone to allow the transcriptionist to provide
15 an accurate record of the meeting. Yes, please.

16 MS. FARRELL: Okay. My name is Allison
17 Farrell, and I'm here today to share with the
18 Advisory Committee my experience with the female
19 condom. I was first introduced to the female condom
20 while a graduate student at New York University eight
21 years ago. I graduated from NYU with a Master of
22 Public Health and then went to work on a multi-city
23 social marketing campaign designed to increase HIV
24 testing among at-risk inner city youth. Working in
25 the field of HIV/AIDS in New York City facilitated my

1 interest in minority health issues and, specifically
2 the plight of women living with HIV.

3 I'm now living in Columbia, South Carolina
4 and pursuing a post-graduate degree in social work.
5 South Carolina's HIV rates are among the highest in
6 the nation. While I might have been familiar with
7 the female condom for years, it was only recently
8 that I started focusing on what I could do to help
9 women in South Carolina embrace it. I see the dual
10 value of the female condom and appreciate two
11 critical issues plaguing women in my state, and
12 that's HIV and teen pregnancy rates.

13 What I see are real women with real needs
14 who are ready for more options to be available to
15 help protect them against the transmission of HIV.
16 My colleagues are eager to do the same thing and
17 endorse more options as well. But support for these
18 options will remain limited as long as access is
19 limited, and access is going to remain limited until
20 we can lower the cost of it. Until we can address
21 the access issues, it's hard for any of us to
22 capitalize on what the female [sic] has to offer the
23 women that are looking to us for help.

24 I'm really concerned about the women living
25 in the more rural areas of South Carolina where the

1 budgets are over-stretched and program funding is cut
2 back to the bare minimum. That's why it makes sense
3 for us to spend less on the device itself and more on
4 raising awareness and education efforts that we know
5 can make an impact on behavior.

6 In the past, I focused my prevention
7 efforts on the male condom, but my recent experience
8 in South Carolina has reminded me that sexually
9 active HIV positive people struggle with the monotony
10 of male condoms just like everybody else does. Their
11 complaints are no different than anyone else's.
12 Despite its efficacy and the millions of units
13 distributed each year in the U.S., the male condom is
14 simply not doing a good enough job of preventing the
15 spread of HIV in the United States. Sad, but true.

16 However, research seems to indicate that
17 offering the male condom in conjunction with the
18 female condom leads to an increase in protected sex
19 acts, and that's really inspiring to me. Most women
20 I encounter in South Carolina have never seen a
21 female condom. Most women are eager to hear about
22 it, and as with anything unfamiliar, I find that
23 women are initially confused, a little bit unsure
24 about its benefits, how to use it. They tell me that
25 it's really no big deal once they start using and

1 once they get the hang of it. And my impression is
2 while they may not totally replace the use of the
3 male condom with the female condom, they do add it to
4 the mix and actively use it.

5 From a direct practice standpoint, my
6 experience with the female condom is short-term. So
7 I can only really tell you what I've seen and that I
8 believe that the future is promising for it.

9 During the course of my outreach and
10 education efforts, the younger women that I've had
11 the opportunity to educate really do respond to the
12 novelty of it at first, which I think is a really
13 positive thing and helps take some of the edge off of
14 a very personal conversation that a lot of times
15 people are not comfortable having.

16 I encourage every woman to practice with it
17 before they have sex, and we talk about ways to
18 discuss it with our partner and ideas to help make it
19 exciting, encouraging them to build it into their
20 sexual routine. It's an opportunity for women to be
21 creative, to get to know their body, and to embrace
22 their sexuality and take control of what's happening
23 in their bedroom, and that's empowerment, and it's a
24 very, very powerful thing for somebody like me in my
25 position to have a woman that feels empowered that I

1 can work with.

2 The female condom is reliable, it's
3 available, and something that women can take
4 ownership of. It's scary to me how many women tell
5 me that they rely on a man to come prepared with
6 protection. They put their health, their life into
7 the hands of a romantic partner that may or may not
8 know his status, and even scarier, and this happens
9 all the time, they may not disclose it.

10 It's been my experience that HIV positive
11 women also express frustration and sadness about a
12 loss of intimacy. Sexuality is a healthy and vital
13 part of who we are, and to see that part of a person
14 denied is really a difficult thing for somebody in my
15 position to address.

16 For example, one HIV positive woman who I
17 know is married and his husband is HIV negative, they
18 have been using male condoms for over ten years. So
19 each and every sexual act for a decade has been
20 protected in this couple. That's awesome, and, I
21 mean, it's great thing; it's rare, but it's awesome
22 that they're doing that. But he's tired of condoms,
23 he complains, and he's starting to actually question
24 the risk of the occasional unprotected sex act. So
25 she feels guilty, but she's very committed obviously

1 to protect her husband's -- his status, his negative
2 status. The female condom fit their needs, and it
3 took some of her shame away and allowed her to
4 embrace her status in a way that was responsible but
5 still protected the needs of her husband.

6 When embraced by a woman, the female condom
7 neutralizes her alliance on her male partner for
8 protection. I talk about women -- I talk with women
9 about how they can navigate and address many of the
10 issues and the barriers that they run up against with
11 male condoms. For example, if he doesn't have a
12 condom, what do you do? If he doesn't want to wear a
13 condom, you will.

14 The female condom is something for women to
15 call their own and that they can initiate the use of.
16 It's made to fit a woman's body, it's hers, and that
17 alone is powerful. It's reliable, it's easy to
18 store, its packaging fits easily into a woman's
19 wallet or purse, and it's easy to use. Most
20 importantly, when it's used, it is effective.

21 That's a pretty good deal, and there's no
22 doubt that we need more right now. We need a lot.
23 But waiting on microbicides to halt the spread of HIV
24 is ignoring what we're up against today. My
25 experience tells me that the female condom has the

1 potential to play a critical role in how to help
2 educators, social workers, and medical providers
3 engage and educate communities and assist the people
4 that are in need. Giving women another reliable
5 choice of protection is an invaluable tool in
6 combating what we know is a true epidemic in the
7 United States. Thank you.

8 DR. CEDARS: Thank you. Are there any
9 questions from the Panel?

10 DR. D'AGOSTINO: Yeah, there is a female
11 condom already available?

12 MS. FARRELL: Right.

13 DR. D'AGOSTINO: Does that not fit the
14 bill? Why the need for a new one?

15 MS. FARRELL: I mean, for me, it's the
16 cost. It's hard for, you know, the -- if we can
17 lower the cost of it and make it -- increase the
18 access to it, by lowering the cost of, you know, for
19 the organizations that are providing it and for women
20 that would buy it directly, I think that's real
21 important.

22 DR. D'AGOSTINO: Thank you.

23 DR. CEDARS: Dr. Stubblefield?

24 DR. STUBBLEFIELD: What problems have your
25 patients that you've worked with experienced using

1 the female condoms? What sorts of things need to be
2 fixed?

3 MS. FARRELL: Well, you know, I don't run
4 up against -- and this, you know, like I said, I
5 can't speak from a long-term, five or ten years out.
6 I can speak from a relatively short-term. The
7 biggest thing that we kind of come up against is
8 women who -- they have to be fairly comfortable with
9 their body, but even a discussion on the female
10 condom, me having the opportunity to talk to them, I
11 can work with them on that and talk to them, and
12 that's where you get into kind of some of the
13 sexuality issues and embracing -- you know, a woman
14 feeling comfortable with her body.

15 I really encourage women to use it a couple
16 of times beforehand and get used to it, and once they
17 do that, it's like anything that you're not used to.
18 I mean, I think we've kind of lost, you know, over
19 time with the male condom -- I mean, it was new at
20 one point, too.

21 DR. STUBBLEFIELD: Thank you.

22 DR. CEDARS: Thank you. The next speaker
23 is Eleanor Hinton Hoytt.

24 MS. HINTON HOYTT: Good morning. My name
25 is Eleanor Hinton Hoytt. I'm president and CEO of

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1 the Black Women's Health Imperative. The Imperative
2 is the only national black women's organization
3 devoted solely to the health and well-being of the
4 19.5 million women and girls in this country. I wish
5 to thank you, the Panel, for the opportunity to
6 address the importance of a need for safe and
7 effective HIV, STD, and pregnancy prevention methods
8 for black women.

9 It's simple. Increasing access for
10 acceptable and affordable contraceptive and risk
11 reduction options remains a critical need for black
12 women. In 2006, black women accounted for more than
13 61 percent of new HIV infections and 66 percent of
14 the majority of new AIDS cases among women. Even
15 more tragically, AIDS is the number one killer of
16 young black women, ages 19 to 34. Black women also
17 have the highest STD rates and is among black girls,
18 50 percent of our black girls, ages 14 to 19 have at
19 least one STD. And the most recent report on
20 unintended pregnancies states that among black women
21 and girls, nearly 70 percent are unintended.

22 These facts only underscore the sense of
23 urgency for a new and improved woman-controlled
24 method that has the potential for transforming and
25 empowering lives if it is available, accessible, and

1 affordable. Because of issues of dependency,
2 economic instability, intimate partner violence, and
3 other social factors, black women are often placed in
4 vulnerable situations where they are unable to
5 negotiate male condom use. The opportunity and
6 freedom for black women and all women to make
7 decisions about safe sex practices moves us closer to
8 addressing some of the historical, social, and
9 contextual factors that play a role in black women's
10 high risk for HIV. Without an available woman-
11 controlled barrier method, black women's lives will
12 continue to be dramatically and disproportionately
13 impacted and compromised.

14 While we understand there is no perfect
15 method for everyone, the female condom is the only
16 advice [sic] available that provides women with a
17 safe option and a point of negotiation with their
18 partners. With this option, the general dynamics of
19 choice and self-protection change, therefore giving
20 women more control over that negotiation.

21 In conclusion, I'd like to say that the
22 Black Women's Health Imperative and its 100,000 plus
23 constituencies are pleased to offer support for the
24 approval of this second generation of the female
25 condom. Although we don't have data and we have not

1 done the health education on the female condom, we
2 have done some anecdotal conversations with men and
3 women, and what we find that the women are willing,
4 the men are reluctant because it releases their
5 power. And so we look forward to being a partner in
6 promoting the female condom as an option for
7 preventing HIV and STD infections and reducing the
8 number of unintended pregnancies for all women, not
9 only nationally, but also globally. Thank you for
10 your time.

11 DR. CEDARS: Thank you. Are there any
12 questions from the Panel for Ms. Hinton?

13 DR. STUBBLEFIELD: Yes.

14 DR. CEDARS: Yes, Dr. Stubblefield?

15 DR. STUBBLEFIELD: We certainly agree of
16 the need for the female condom, but what about the
17 new one that's being developed here that this is --
18 that we're here to discuss, the FC2?

19 MS. HINTON HOYTT: The new one, I guess I
20 agree with the former speaker that the option for
21 having it more accessible and available, if it lowers
22 the cost in any way. If there is a way that -- and,
23 in fact, one of our new faculty member -- new staff
24 members, Dr. Nadra Tias, has had experience with the
25 female condom, and she has been involved with our

1 staff in doing some of the research on the female
2 condom. And so from her perspective, she felt that
3 the first version of the female condom was more
4 difficult but was more desirable, and we believe now
5 that -- and the major factor is that the high cost.
6 There is no way that we can support black women,
7 particularly lower income black women, in figuring
8 out how to do -- to negotiate with a device that is
9 not accessible to them because of the high cost.

10 DR. STUBBLEFIELD: Thank you.

11 DR. CEDARS: Dr. D'Agostino?

12 DR. D'AGOSTINO: Even if there is no data
13 that it will actually stop or prevent sexually
14 transmitted diseases, it's still useful?

15 MS. HINTON HOYTT: Yeah, we think so, I
16 think, and certainly, some of this is social and
17 psychological. If we in any way can give some of the
18 negotiation control and give options to black women
19 so -- and all women so that we would be in a position
20 to negotiate, we think that's an empower, and it
21 certainly conveys a sense of freedom in being able to
22 make some of the decisions. It's a decision-making
23 process issue.

24 DR. CEDARS: Thank you. The next speaker
25 is Mark Rilling.

1 MR. RILLING: Thank you. I'm going to show
2 some slides, a little bit of background. My name is
3 Mark Rilling. I'm the chief of the Commodities,
4 Security, and Logistics Division in the Office of
5 Population and Reproductive Health in the Bureau for
6 Global Health at the U.S. Agency for International
7 Development. I don't have a conflict of interest.

8 USAID's relationship with the female condom
9 predates my -- let's see. Do I advance this through
10 the down arrow key? Okay. My own involvement --
11 USAID's relationship with the female condom predates
12 my own involvement, going back to the periods of
13 product development, clinical trials, and regulatory
14 review and approval. My own involvement began with
15 shipments of the approved female condom to developing
16 country family planning and HIV/AIDS prevention
17 programs. These shipments will be the focus of my
18 comments. We appreciate that Mary Ann and FHC
19 invited us to provide this historical background.

20 USAID has purchased and provided female
21 condoms to developing countries since 1998, shipping
22 42,000 that year. We shipped 134,000 in 1999, 73,000
23 in 2000, and 2,000 items in the year 2001, these
24 fluctuations being due mostly to a range of
25 administrative issues.

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1 After these pilot and introductory efforts,
2 programmatic interest began to grow. Five years ago,
3 we shipped female condoms to about ten countries.
4 Today, we are shipping female condoms to 17
5 countries, with several additional countries planned
6 already for next year. We have shipped female
7 condoms to 29 countries to date.

8 While USAID is the primary donor providing
9 female condoms to developing countries, USAID is not
10 alone. Donations for female condoms, as captured in
11 a database of donors who report their data, are
12 increasing. Several donors have become increasingly
13 involved in funding the purchase of female condoms as
14 well as increasing investments and programmatic
15 activities related to expanding correct and
16 consistent use.

17 The British Development Organization, the
18 Global Fund, IPPF, UNFPA, the World Bank, the
19 Germans, PSI, and others share an interest in
20 switching provision of female condoms from FC1 to FC2
21 primarily due to price, but also increased client
22 acceptability. It is my impression, though I don't
23 have the data to prove it, that USAID is the only
24 donor still providing FC1 to developing countries. I
25 believe that all other donations have already

1 switched to FC2. It is not helpful programmatically
2 or logistically to maintain these two products in
3 programs. USAID would also like to switch and is
4 prepared to do so as quickly as possible upon FDA's
5 approval.

6 In recent years, all female condoms
7 provided by USAID have been funded with HIV/AIDS
8 prevention funding, and the vast majority of these
9 female condoms have gone to support HIV/AIDS
10 prevention programs in Africa. While there is dual
11 protection marketing, the overriding emphasis is on
12 disease prevention.

13 With most of the U.S. government's HIV/AIDS
14 funding available for programs in Africa, this
15 distribution across regions is not surprising. This
16 year, we are shipping female condoms to eight
17 countries in Africa, seven countries in Asia, and two
18 countries in this hemisphere. What those numbers
19 mask is the relative size of our donations across
20 these regions. Eighty-seven percent of our female
21 condom shipments this year go to African countries,
22 12 percent to Asian countries, and just 1 percent to
23 Latin America.

24 What might be surprising is the scale of
25 female condom programming in select countries. As an

1 example, Zimbabwe, this country requests on the order
2 of 5 million female condoms a year. They are
3 distributed through kiosks and drug sellers, through
4 pharmacies, and increasingly hair salons for women
5 and barbers for men, drawing on the lessons learned
6 that women and men benefit from related exposure to
7 new ideas and products in familiar, safe environments
8 where they can ask their questions, see
9 demonstrations, and take time to become familiar with
10 the product and its benefits from their various
11 perspectives.

12 As a result of this effort, reported ever
13 use of female condoms in Zimbabwe among all sexually
14 active adults, ages 15 to 49, is 20.2 percent, and
15 current use is 9.2, up from 8.1 percent in 2005.
16 This is a country where 21 percent of Zimbabwean
17 women and 14.5 percent of men, ages 15 to 49, are HIV
18 positive. Each correct use is important. Each
19 consistent use is important, too.

20 This prospect for USAID of buying a
21 comparable product at a 25 percent cost savings,
22 being able to serve that many more people in the
23 developing world for the same level of investment, is
24 very attractive and not at all trivial. Thanks for
25 your attention and careful consideration of these

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1 important issues.

2 DR. CEDARS: Thank you. Are there any
3 questions from the Panel? Dr. --

4 DR. PADIAN: John first.

5 DR. ZENILMAN: I have two questions. One
6 is have you folks done any studies on storage
7 conditions and time -- from time of release to time
8 of use and status of the condoms in those conditions?
9 I assume that many of these places -- storage
10 conditions can get quite hot?

11 MR. RILLING: We've done stability studies.
12 I didn't bring any of the data with me. These
13 studies have included female condoms. We have them
14 in various storage conditions in ovens at I think 25
15 and 35 and 40 degrees, and I think at 65 percent
16 humidity and 70 percent humidity. But I haven't --

17 DR. CEDARS: Perhaps that's --

18 MR. RILLING: -- look at that data for a
19 while. We have --

20 DR. CEDARS: Perhaps that's a question we
21 could pose to the company.

22 DR. ZENILMAN: Right, no, I'm saying there
23 are some -- they did report some storage -- I'm
24 wondering if they actually did any real field studies
25 in storage --

1 MR. RILLING: We have not --

2 DR. ZENILMAN: Okay.

3 MR. RILLING: -- drawn samples from the
4 field that have been there for prolonged periods of
5 time and run studies on those. We don't get
6 complaints on female condoms from the field as we do
7 with male condoms. So we don't have reason to
8 believe that there are storage issues. The actual
9 time in country ranges from, like, 18 months to 36
10 months from the time we ship it in and it typically
11 gets used, but that varies widely across countries
12 and distribution programs.

13 DR. ZENILMAN: The other question I have is
14 with increasing focus on the environment, how are
15 these disposed of after use?

16 MR. RILLING: That varies, too, but the two
17 primary means are burial and incineration.

18 DR. CEDARS: Dr. Padian?

19 DR. PADIAN: I also have two quick
20 questions. One is you said that it would not be
21 helpful to have both. I thought I heard you say
22 that, both FC1 and FC2, and I was wondering why?

23 MR. RILLING: The systems that we're
24 supporting and shipping these through in developing
25 countries barely function. And duplicate products

1 are not helpful. It's much easier to forecast and
2 distribute one product --

3 DR. PADIAN: Uh-huh.

4 MR. RILLING: But to manage them separately
5 is an unnecessary hassle.

6 DR. PADIAN: Okay. My second question was
7 insofar as you have sort of ecological rates of
8 female condom use, for example, you said in Zimbabwe,
9 I was wondering if you had similar rates of male
10 condom use, and, specifically, what I'm interested in
11 is when there is widespread promotion of female
12 condoms, if you have any idea whether that has impact
13 on uptake of male condoms.

14 MR. RILLING: There is data on that, but I
15 haven't been a part of those studies. I think what
16 the -- my impression is -- there are other people
17 here who know the answer to that question based on
18 actual studies.

19 DR. PADIAN: Okay.

20 MR. RILLING: My impression is that total
21 condom use increases when women and men have a choice
22 between male and female condom use.

23 DR. PADIAN: Thanks.

24 DR. CEDARS: Dr. Marrazzo?

25 DR. MARRAZZO: Thanks for your

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1 presentation. It sounds like during your tenure of
2 the transition, other countries' distribution
3 perspectives have switched to FC2. I'm just
4 wondering if you've observed any trends or patterns
5 or sort of singled events in that transition that
6 they've had to deal with, or has it been pretty much
7 seamless and just the same as FC1?

8 MR. RILLING: Yeah, very easy.

9 DR. CEDARS: One more quick question.
10 Dr. D'Agostino?

11 DR. D'AGOSTINO: Yeah, I have a similar
12 question. Have there been any data collected on the
13 rates of developing HIV and STIs and so forth as you
14 shift more and more to the use of the FC2?

15 MR. RILLING: I don't know the answer to
16 that question. My impression from the studies I've
17 heard presented is that it's very difficult to tie
18 incidence of disease to male or female condom use.

19 DR. D'AGOSTINO: It's a hard question.

20 MR. RILLING: Yeah, consistent and correct
21 use in every sex act is difficult to achieve.

22 DR. CEDARS: Thank you. The next speaker
23 is Susan Wysocki.

24 MS. WYSOCKI: Good morning. My name is
25 Susan Wysocki, and I'm the president and CEO of the

1 National Association of Nurse Practitioners and
2 Women's Health and am also a women's health nurse
3 practitioner, and I have no conflicts of interest.

4 Prior to this meeting, a number of health
5 providers and women's health advocacy groups sent a
6 letter to the FDA expressing concern about the
7 growing impact of HIV/AIDS and STIs among women in
8 the United States and globally. And it's with hope
9 that this Panel will provide a recommendation for the
10 FC2 female condom to give women even more chance to
11 protect themselves that I'm here today to emphasize
12 that concern.

13 I think if I gave you my three-second
14 presentation, it would come down to options for women
15 to protect themselves, access, which really comes
16 down to cost, a question that has been asked a couple
17 of different times.

18 The statistics around these infections are
19 well-known to many of the panelists. Over the past
20 two decades, the proportion of women among people
21 living with HIV/AIDS has more than tripled. HIV
22 infection has emerged as a leading cause of death of
23 African-American women, age 25 to 24. High-risk
24 heterosexual contact is responsible for 80 percent of
25 these new infections. And I think we were all wowed

1 with the information that one in four young adults,
2 age 15 to 20, has contracted a sexually transmitted
3 infection each year.

4 In this context, expanded access to the
5 female condom that's not only safe and effective as a
6 woman-initiated prevention method is essential for
7 both men and women to be able to practice safer sex.

8 More than 200 peer review studies have
9 demonstrated that when women have access to the
10 female condom and education on its use, it becomes a
11 product in demand. You've heard about the efforts by
12 USAID. Certainly, the female condom distributed
13 along with male condom, the rate of protected acts of
14 sex increases significantly, not only in other
15 countries, but in New York City, where they have
16 expanded purchase and distribution of female condoms,
17 has also shown a decline in the number of newly
18 reported AIDS cases. Additionally, survey data have
19 shown a 30 percent increase in female condom usage
20 over the course of that campaign in New York City.

21 The issue here today is there is a high
22 cost to the female condom relative to male condom,
23 and that has limited its availability for
24 distribution in the United States, as well as
25 worldwide.

1 The second generation female condom is made
2 from new material that allows it to be manufactured
3 with cost efficiencies that will drive down the unit
4 price significantly, if I understand correctly on
5 what this hearing is about today. WHO has already
6 paved the way for the condom to be provided, and the
7 FDA today will hopefully take action by determining
8 the FC2 as safe and effective. This decision will
9 enable state and local governments in the U.S., as
10 well as USAID-funded international.

11 The evidence is clear and compelling.
12 Women do need expanded access to women-initiated STI
13 prevention methods. And we look forward to FDA's
14 scientific review of the safety and effectiveness
15 data today and are optimistic that your review will
16 produce a positive determination. Thank you.

17 DR. CEDARS: Thank you. Are there any
18 questions? Yeah, Dr. Padian?

19 DR. PADIAN: I wondered in the promotion of
20 female condom in New York, if that was presented in a
21 hierarchal array of choices for people or how it was
22 promoted?

23 MS. WYSOCKI: I don't know exactly what you
24 mean by hierarchal. If it was given, you can have
25 this or that kind of thing?

1 DR. PADIAN: Well, like, for example, you
2 should use a male condom, and only if you can't get
3 your male partner to use a condom, you should use a
4 female condom, or they're equal or what?

5 MS. WYSOCKI: I don't know the answer to
6 that question. I think as has been stated a couple
7 of times here today, that the provision of both,
8 giving both options gives some flexibility in terms
9 of protection and allows the couple to, you know,
10 when they tire of male condom, as was stated earlier,
11 another option to go to and overall increases
12 protection.

13 DR. CEDARS: And the next speaker is from
14 the New York State Department of Health so --

15 DR. PADIAN: Oh, cool.

16 MS. WYSOCKI: Oh, well, that should help
17 then.

18 DR. CEDARS: Perhaps you'll get those
19 questions answered.

20 MS. WYSOCKI: Fill in my blanks.

21 DR. PADIAN: I did that intentionally.

22 DR. CEDARS: Okay. Dr. Stubblefield?

23 DR. STUBBLEFIELD: You mentioned World
24 Health Organization. Have they taken a position on
25 the FC2?

1 MS. WYSOCKI: Yes, I believe that they
2 have. Let me see if I can get to this. The WHO has
3 already paved the way to expanded access by
4 recognizing the FC2 condom as equivalent to the FC1
5 female condom in regard to safety, effectiveness, and
6 acceptability.

7 DR. STUBBLEFIELD: Thank you.

8 MS. WYSOCKI: You're welcome.

9 DR. CEDARS: Thank you.

10 MS. WYSOCKI: Thank you.

11 DR. CEDARS: And our next speaker is Dara
12 Shapiro.

13 MS. SHAPIRO: Hello. My name is Dara
14 Shapiro, and I'm the Assistant Director of Education
15 and Training for the New York State AIDS Institute.
16 I have no conflict of interest, and my travel and
17 related expenses were paid by the New York State
18 Department of Health.

19 I've been working in public health for over
20 12 years, so I've been familiar with the female
21 condom for a long time. But like many health
22 professionals, I had not really considered the
23 importance of the female condom an effective method
24 for preventing pregnancy and the spread of HIV and
25 other sexually transmitted infections.

1 My awareness changed when I began working
2 on the New York State female condom promotion in
3 2006. After reviewing much of the research and
4 speaking to front-line healthcare workers, I am
5 committed to making the female condom more available
6 in New York State. When women and men do not have
7 access to female condom, their choices for protection
8 during sex are reduced by half.

9 I'm going to talk about New York State
10 today and why we need the FC2 now. New York State
11 has 7 percent of the nation's population, but 18
12 percent of all persons living with AIDS, most of whom
13 reside in New York City. New York City's case rate
14 is three times the U.S. average.

15 Twenty-five years into the HIV/AIDS
16 epidemic, women and girls are increasingly affected.
17 The proportion of AIDS cases among women has nearly
18 tripled in New York State since 1986. At the start
19 of the epidemic, 1 in 10 New Yorkers with HIV were
20 women. Today, 1 in 3 are female.

21 Women used to be infected by injecting
22 drugs. Today, most women are infected through
23 heterosexual transmission. In New York City,
24 heterosexual transmission accounts for 92 percent of
25 new HIV cases among females. Yet, New York City data

1 are not unique. CDC data, as shown by the pink line
2 in this graph, demonstrate that heterosexual
3 transmission among women has increased in the U.S.
4 since the beginning of the epidemic.

5 New York State is committed to expanding
6 access to female condoms. Both the state and city
7 departments of health distribute free female condoms
8 to agencies. In addition, since 2006, the AIDS
9 Institute has collaborated with Columbia University
10 to address female condom promotion at the provider
11 level. Preliminary results from this study were
12 presented at the 2008 National HIV Prevention
13 Conference, and there is widespread interest in the
14 outcome of our work. The program provides a one-day
15 training for counselors that is designed to address
16 misconceptions about the female condom and provide
17 skills practice around use and promotion.

18 Like other female condom research, the
19 female condom program has found that access to and
20 beliefs about female condoms are obstacles to
21 widespread use. However, provider and client
22 attitudes can change with education and effective
23 programming. Research shows that both women and
24 their partners like the female condom when they give
25 it a chance, and our own study is finding that after

1 counselors attend the one-day training, their
2 attitudes about the female condom are more positive
3 and counselors are more willing and better able to
4 promote female condom use with clients.

5 While attitudes can be changed, access
6 still must be addressed. The cost of female condoms
7 has always been an issue, and this directly affects
8 availability. Our study has shown that almost half
9 of agency directors surveyed found limited access to
10 female condoms a barrier to programming and promotion
11 of the product within their agency.

12 And, as one of our counselors has put it,
13 "The only problem I have is with telling people where
14 to find female condoms outside of agencies that hand
15 them out. I feel as though this could be a major
16 barrier to continued use for those people who try the
17 five or six I give them but then don't know where or
18 how to get more. It's kind of hard to say, hey, try
19 these. They're great, but you can't get them
20 anywhere local."

21 As the HIV/AIDS epidemic becomes
22 increasingly feminized, the female condom is even
23 more important. Right now, there are only two
24 options available in the U.S. that protect against
25 sexually transmitted infections and HIV, male condoms

1 and female condoms. Microbicides, vaccine, and pre-
2 exposure prophylaxis as viable methods are still
3 years away. In terms of cost, the FC2 can be
4 manufactured and sold for less than the original
5 version. Less expensive female condoms will mean
6 more individuals and agencies can purchase them. The
7 price of female condoms will become even more
8 important as federal and state funding are cut, due
9 to the current fiscal crisis the U.S. is facing.

10 New York State is working hard to promote
11 the use of female condoms, and we are making
12 progress. Additional efforts to improve the product
13 and reduce cost, like the FC2, are needed now to
14 support this public health effort. When the female
15 condom is available, protected sex increases.
16 Studies show that many couples with access and
17 education alternate between male and female condoms.
18 More choices does translate to safer sex.

19 I urge the Committee to recommend premarket
20 approval of the FC2 and thank you for the opportunity
21 to present.

22 DR. CEDARS: Thank you. Are there
23 questions from the Panel? If not, thank you.

24 MS. SHAPIRO: Thank you.

25 DR. CEDARS: The next speaker is Zena

1 Stein.

2 DR. STEIN: Hello. I'm Zena Stein from
3 Columbia University. I'm a Professor Emerita of
4 Epidemiology and Psychiatry and co-director of the
5 HIV Center. I suppose one of my claims is that I've
6 been in this field of trying to develop methods that
7 women can use to protect themselves from HIV and STIs
8 probably as long as anybody here.

9 What I'm complaining about is that in the
10 FDA record, a criticism, a major criticism of a paper
11 which we published in the year 2003. It was a study
12 we did in Philadelphia with CDC and with the support
13 of the Philadelphia Health Department. And it's a
14 study which was succeeded in randomization between a
15 group of women who were given a short, small group
16 intervention to describe how to use the male condom
17 effectively and a control group, or another group
18 intervention, or even a very similar intervention in
19 using the female condom.

20 Now, the purpose of this study was because
21 people were saying that if you provide the female
22 condom, two things: One, women will stop using the
23 male condom and use the female condom, for which
24 there was less proof; and, secondly, if that
25 happened, the rates of new cases of sexually

1 transmitted infections would increase. This was the
2 purpose of the study.

3 So it's a very simple study. We randomized
4 women according to which week they came into a large
5 sexually transmitted infection clinic in
6 Philadelphia. And if they came one week, they were
7 intervened and given the instructions on the male
8 condom, and if they came another week, they were
9 given a very similar bit of instruction, 20 minutes,
10 on the female condom.

11 So, after that, we gave out from the clinic
12 male condoms, but, of course, people could get male
13 condoms anywhere. And we gave out female condoms,
14 which you couldn't get anywhere. So women were
15 supplied with three months or six months amount of
16 female condoms, told to come back any time and
17 contact us.

18 A weakness of the study is that we would
19 expect that it's more difficult to get the female
20 condom. However, we were able to follow up through
21 the record system, which covered the whole of
22 Philadelphia and all their clinics, all new cases of
23 the STIs, gonorrhea, chlamydia, tric, and syphilis
24 for everybody who came back of the 1,500, who were
25 randomized. Women were young, minority, and, of

1 course, an STI clinic concentrates on high-risk
2 people.

3 This study, which I don't regard as the
4 best in the world, but it did have randomization, it
5 did have intention to treat, this study is criticized
6 in the FDA record. So as an academic, I thought I
7 would say I thought the criticism was inappropriate.
8 It's on the FC1, not on the FC2, but remember they
9 were publicly provided condoms. So FC2 would be a
10 big advantage to the clinic.

11 The three points of criticism leveled at
12 the study were, one, that it didn't include HIV.
13 Well, that period, you couldn't include HIV. It
14 wasn't notifiable, and it wasn't -- information
15 wasn't easily available.

16 The second point of criticism was that the
17 population wasn't generalizable. Now, generalizable,
18 it applied to all women who used this particular
19 clinic, which was very large and central in
20 Philadelphia. Nobody opted out of treatment. So
21 it's generalizable to young minority women on the
22 whole who are at risk for STIs.

23 And the third point, which I tried to
24 explain on this slide, which I couldn't understand,
25 they said that clearly the results, which were

1 slightly better, that the bottom line there
2 proportioned who in the end had STIs, 15.8 percent in
3 those who were given counsel on the male condom only
4 and 12.4 percent who were counseled on the female
5 condom only. Our purpose was to show that female
6 condom counseling was just as good. In practice,
7 it's slightly better in the various statistical
8 maneuvers you can do, but those are the numbers.

9 Now, the criticism said that because --
10 which we knew from a sub-study, that many women in
11 the female condom group couldn't get a female condom
12 and about a third of them probably used a male
13 condom. And, as a matter of fact, in the sub-study,
14 women alternated. Many women used either or both,
15 and that's part of the theory. You give options to a
16 couple.

17 So it was criticized. They say the reason
18 why the female condom worked out just as good as the
19 male condom was because a third of the women in the
20 female condom used male condoms. Well, I leave you
21 to think about that criticism. I thought the
22 criticisms were biased against the study, which is
23 why I'm taking the trouble to use it.

24 And I'd also like to say that the
25 Philadelphia system accepted our intervention,

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1 adopted it, and if you halve the price of the female
2 condom, FC1 with FC2, I think it'll have a really
3 beneficial effect on the work at the clinic.

4 DR. CEDARS: Thank you. Dr. D'Agostino?

5 DR. D'AGOSTINO: I assume the criticism is
6 coming from the idea that we -- while I think the
7 study design makes a lot of sense, it's a natural use
8 type of study. This is what people presumably will
9 do -- they can have the male and female available.
10 It doesn't direct to what the female condom is
11 actually capable of doing, and I think that might be
12 what the criticism was about, as opposed to this is
13 not what people will do in practice, but what do we
14 get out of this study about the female condom
15 directly?

16 DR. STEIN: You know, you try and do a
17 randomized controlled trial.

18 DR. D'AGOSTINO: Well, you know, but --

19 DR. STEIN: I'm serious. I'm serious.

20 DR. D'AGOSTINO: But I think that's a very
21 good comment to come back with, but it begs the
22 question on what information can we get out of the
23 study.

24 DR. STEIN: That if you provide -- if the
25 clinic provides the female condom in a public clinic,

1 you will, as we've already noted, you will reduce the
2 proportion of people who use unprotected sex, and you
3 probably would reduce the incident infection rate.

4 DR. D'AGOSTINO: But that's not
5 significantly different, though. How many -- I mean,
6 those rates are not different --

7 DR. STEIN: They're not statistically
8 significant. We analyzed it in several ways. The
9 point is -- it's lower. It's certainly not higher.

10 DR. D'AGOSTINO: It's certainly not
11 significant either.

12 DR. CEDARS: Dr. Warner?

13 DR. WARNER: Yes, Dr. Stein, over here.

14 DR. STEIN: Yeah?

15 DR. WARNER: I had a question about this,
16 and I understand that your study or any other study
17 would have the obligation to give male condoms. Do
18 you have any data on how the male and female condoms
19 were used? So in the -- give both. It's not random,
20 or it may not be random. Would they have used a
21 particular type with a particular type of risky
22 partner?

23 DR. STEIN: Different type of --

24 DR. WARNER: Partner --

25 DR. STEIN: Partner?

1 DR. WARNER: So maybe was a certain condom
2 used with higher risk partners, one-time partners?

3 DR. STEIN: All I can say is the overall
4 population, which we know quite a lot about, a small
5 proportion of them were actually sex workers, and it
6 is a population with multiple partners -- sex
7 workers, and there's a high incidence -- really
8 expect about 20 percent of the population will come
9 back with new infections.

10 DR. WARNER: Um-hum.

11 DR. STEIN: I can tell you that it's the
12 kind of population we are aiming at really in this
13 country.

14 DR. WARNER: Thank you.

15 DR. CEDARS: One quick question,
16 Dr. Marrazzo?

17 DR. MARRAZZO: You mentioned that the
18 proportion of unprotected sex acts decreased. Did
19 you actually collect data on reported protection of
20 sex acts in the study?

21 DR. STEIN: No, not in this study. On
22 other studies and other studies elsewhere, and some
23 have been imported here. Internationally, that's
24 been done better, not -- there's a series of studies
25 which have been summarized, so I shouldn't do that --

1 DR. MARRAZZO: Thank you.

2 DR. STEIN: -- which suggest exactly that,
3 that the proportion of unprotected encounters is
4 decreased.

5 DR. CEDARS: Thank you. The next speaker
6 is Deborah Arendale.

7 MS. ARENDALE: Good morning. I'm Deborah
8 Arendale, Vice President of Health Policy for the
9 American Social Health Association, which is a non-
10 profit, non-partisan organization that's been around
11 since 1914.

12 Since that time, we've been seeking to
13 eliminate sexually transmitted diseases and their
14 harmful consequences for families and communities.
15 We have no conflicts today, and I really appreciate
16 the opportunity to talk to the Panel about this
17 second generation condom.

18 We've been in the business for about 90
19 years, although I haven't personally been there for
20 90 years although it feels like it some days. And
21 what we have learned are lessons that all of us know
22 without 90 years of experience, and that is that no
23 one actually wants to get a sexually transmitted
24 infection and that there really aren't enough tools
25 for people who do want to prevent sexually

1 transmitted infections to do so.

2 As a result, the United States has
3 staggering rates. We have the highest rates of
4 sexually transmitted infections of any industrialized
5 nation, with about 19 million new cases every year.
6 And STIs are a significant burden for women and
7 teenagers in communities of color. And what we know
8 about these infections, as with many other diseases,
9 that they are fueled by poverty, lack of access to
10 care, and as a result, they do pose a significant
11 burden and take their greatest toll in communities of
12 color. The racial disparities are staggering.

13 The rates of chlamydia and gonorrhea among
14 African-Americans are 16 and 8 percent -- and eight
15 times higher -- sorry -- respectively than for
16 whites, and these infections are often asymptomatic.
17 But the consequences of them are quite severe, as
18 most of you know quite well. They have very serious
19 sequelae, including infertility.

20 An STI such as chlamydia will also make
21 women more susceptible to HIV infections. The
22 percentage of women in the United States living with
23 AIDS has grown exponentially in the last two decades
24 so that now, four-fifths of women with HIV in the
25 U.S. are from communities of color. And that really

1 is -- these are numbers that we really should all be
2 very embarrassed by.

3 The scope of this epidemic is brought home
4 for us by the fact that in 2002, as Susan Wysocki
5 alluded to, HIV was the leading cause of death for
6 African-American women between the ages of 25 and 34.
7 And Latino women in the United States are also
8 disproportionately affected. The rates of cases for
9 those women are six times higher than for white
10 women. And we know that these are not just
11 statistics. These are mothers and daughters and
12 sisters, and we are all diminished by this impact of
13 this disease.

14 Women are at increased risk for a number of
15 reasons. Many of them are biological. But there are
16 also very important social factors that can make it
17 difficult for women, especially young ones, to
18 effectively negotiate safer sex and condom use. In a
19 study done with young black women in Los Angeles, and
20 I can't remember now if it's '97 or '98, but roughly
21 ten years or so ago, fully 90 percent of participants
22 indicated that there would be some level of conflict
23 if they were to try to introduce discussions of safer
24 sex and condom use with their partners.

25 As we know, female condoms are the only

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1 woman-controlled method of safer sex. And we also
2 know what the birth control pill did for women. It
3 allowed women unprecedented control over their
4 reproductive status. And we believe that female
5 condoms, of course, offer that same kind of control
6 and the possibility of effective protection against
7 STIs.

8 Female condoms have the advantage, of
9 course, as we know, that they can be inserted prior
10 to having sex. But as we've heard from countless
11 presenters this morning, they are actually really too
12 expensive and that this is a significant barrier to
13 women being able to use them.

14 We believe that this new generation female
15 condom provides the same female-controlled method but
16 at a more affordable rate. We don't as an
17 organization work on direct science. I can't stand
18 here and talk about the hard science issues of this.
19 I really can only talk about the social issues, the
20 impact on women of color. Being one, I'm
21 particularly concerned about these issues and the
22 need for women to have greater access.

23 So we do urge the Committee to move forward
24 with continuing whatever needs to be done to get us
25 to approval of this condom as soon as possible. We

1 really appreciate the opportunity to address you and
2 would be happy to continue to work with you in any
3 way that would be helpful. Thank you.

4 DR. CEDARS: Thank you. Dr. Padian?

5 DR. PADIAN: Insofar as it's a little bit
6 challenging to use the female condom completely
7 clandestinely, my question is that you said that
8 women had a conflict bringing up safe sex in the
9 context of their relationship. Is that conflict
10 mitigated if they're introducing a female condom,
11 which can't be used or is difficult to use
12 clandestinely?

13 MS. ARENDALE: I can't speak from a
14 research perspective.

15 DR. PADIAN: Um-hum.

16 MS. ARENDALE: I can always speak
17 intuitively, which for a scientific panel probably
18 sounds a little silly. But if you have the ability
19 to insert a condom before sex and you're hot and
20 heavy in the moment, you don't have to negotiate, my
21 guess is. That certainly gives an advantage right
22 there, that you can insert it prior to sex as opposed
23 to with male condoms, where you're much more in the
24 moment, so you're, you know, you're already protected
25 before you enter the sex act.

1 DR. PADIAN: Thanks.

2 MS. ARENDALE: That's not science, though.

3 DR. PADIAN: No, that's a good answer.

4 DR. CEDARS: Thank you.

5 MS. ARENDALE: Thank you.

6 DR. CEDARS: The next speaker is Donna
7 Cruz.

8 MS. CRUZ: Good morning, Dr. Cedars, and
9 members of the FDA Obstetrics and Gynecological
10 Panel. My name is Donna Cruz. I'm Director of
11 Government Affairs at AIDS Action Council here in
12 Washington, D.C. AIDS Action is one of the oldest
13 national HIV/AIDS organizations in the country.
14 Since its founding in '84, AIDS Action has been in
15 the forefront on HIV and AIDS policy debates and
16 discussions. Our vision is a world without AIDS. We
17 will work until it's over, until no one acquires HIV,
18 and until those living with HIV have the care and
19 services they need and until a cure is found.

20 The United States epidemic today is very
21 diverse, touching nearly all population groups.
22 There are severe disparities in the impact that HIV
23 and AIDS is having on communities of color, women,
24 and men who have sex with men. According to the 2006
25 report by the CDC, women comprise 27 percent of the

1 new HIV infections in the United States. Today, I
2 will focus my attention on women.

3 We must remember that HIV is a 100 percent
4 preventable disease. If one is aware of their HIV
5 status, precautions can be utilized to ensure that
6 HIV is not transmitted to another individual. In the
7 case of heterosexual sex, male condoms have been
8 found to aid in the prevention of HIV, but that is a
9 form of prevention that is only controlled by men,
10 not by women. If a woman asks her male sexual
11 partner to utilize a condom and he refuses, she has
12 no other option to protect herself from possibly
13 being exposed to HIV, other sexually transmitted
14 infections, or an unintended pregnancy. If the
15 second generation female condom is approved today, it
16 will give women another option to protect themselves
17 from HIV, unintended pregnancies, and other STIs.

18 I would like to take this opportunity to
19 read to you a letter signed by over 170
20 organizations, 115 throughout the United States, as
21 well as 55 international organizations. And the
22 letter is available for you today.

23 "Dear Obstetrics and Gynecology Devices
24 Advisory Committee members. We, the undersigned
25 organizations committed to women's sexual and

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1 reproductive health and human rights, strongly urge
2 you to consider the importance of female condoms
3 while you deliberate over FDA premarket approval of
4 the FC2, the second generation of the Female Health
5 Company's female condom, that enables a woman to
6 initiate protection against HIV and other sexually
7 transmitted infections, STIs, as well as unintended
8 pregnancy.

9 "HIV/AIDS is rapidly becoming a women and
10 girls' pandemic. According to the UNAIDS, women
11 comprise half of the 33.2 million people living with
12 HIV and AIDS in 2007. The realities of many women's
13 lives coupled with a lack of access to sexual and
14 reproductive health information and services,
15 including HIV prevention tools, make it difficult for
16 women to take the steps necessary to protect
17 themselves against STIs and HIV infection and
18 unintended pregnancy.

19 "Poverty, intimate partner violence,
20 restrictive gender and cultural norms, and limited
21 access to education are just a few of the factors
22 that contribute toward increasing a woman's risk of
23 HIV. The feminization of HIV and AIDS require a
24 woman-centered response, and access to a range of
25 safe, effective, and affordable prevention methods

1 for women, including female condoms and effective
2 education on their use, can play a strong role in
3 stemming the number of new HIV infections. Women
4 need tools like the female condom to stay healthy,
5 plan pregnancy, protect themselves and their partners
6 from HIV.

7 "According to the Center for Health and
8 Gender Equities' report, 'Saving Lives Now: Female
9 Condoms and the Role of U.S. Foreign Aid,' several
10 studies have demonstrated that effective promotion
11 and programming of the female condom increased the
12 total number of protected sex acts, thus reducing a
13 couples risk of infection of HIV and STIs.

14 "Despite the urgent need for women-
15 controlled HIV prevention methods, domestic and
16 international HIV/AIDS organizations face many
17 challenges in providing the female condom to women
18 and communities in greatest need, including a lack of
19 political will and donor investment as well as the
20 relatively high cost of the product. The FC2 female
21 condom can play a major role in increasing
22 distribution and facilitating uptake of the female
23 condom in the U.S. and internationally because it is
24 composed of a less costly material than the first
25 generation Female Health Company female condom, FC1.

1 "Coupled with sustainable procurement and
2 distribution and effective programming, the FC2 has
3 great promise for getting into the hands of women
4 worldwide and ultimately saving lives. Though
5 researchers are tirelessly working to develop a
6 broad-spectrum of new prevention technologies,
7 including microbicides, vaccines, and pre-exposure
8 prophylaxis, such products will not be available for
9 many years. Female condoms are tools women can use
10 right now, today, to protect themselves against HIV
11 and other STIs.

12 "With the HIV/AIDS crisis continuing across
13 the globe, the need to step up prevention efforts is
14 ever more critical. The approval of a safe and
15 effective female condom that can be made available to
16 more women is an important step in putting the power
17 of prevention into women's hands."

18 I won't read the list of organizations, but
19 it is attached. The letter itself is out front, and
20 I don't have any conflicts of interest.

21 DR. CEDARS: Thank you. Thank you. Our
22 next speaker is Dazon Dixon Diallo.

23 MS. DIXON DIALLO: Thank you. It helps to
24 come down the line because so many things have
25 already been said, and then sometimes it's not

1 helpful. So I'll try to do best. Good morning and
2 greetings. Thank you for inviting me and having me
3 here. I'm Dazon Dixon Diallo, founder and president
4 of SisterLove Incorporated, which is a 19-year-old
5 women's HIV/AIDS service organization located in
6 Atlanta, Georgia, and also in the Mpumalanga Province
7 in South Africa.

8 I've personally been involved in HIV/AIDS
9 prevention and support for women at risk and affected
10 by HIV and AIDS for over 23 years. And there is one
11 clear directive that has always and continues to play
12 itself over and over in every HIV scenario regarding
13 women and girls that I've been in. And that is
14 change women's lives and you change the epidemic.

15 Address the key factors mostly rooted in
16 gender and equality and oppression that drive the
17 vulnerability of women and girls, and we could see a
18 dramatic reduction in the transmission, in the
19 infection rates, and in the shortened lifespan of
20 women and girls worldwide.

21 Now, my organization, SisterLove, is on a
22 mission to eradicate the negative impacts of HIV and
23 AIDS and other reproductive health challenges upon
24 women, girls, and their families. And we carry out
25 our mission primarily through health education,

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1 prevention interventions, reproductive justice
2 advocacy and leadership, and services, as well as
3 prevention research. We provide the fullest array of
4 services, including HIV voluntary counseling and
5 testing, one-to-one individual prevention counseling
6 and case management, as well as group and community-
7 level interventions, which include teaching
8 eroticizing, safer sex, particularly with the
9 male/female condoms, and other risk reduction tools.
10 You can fill in your own blanks.

11 Now, I'm here primarily, of course, to
12 support the approval of the FC2 because of effective
13 and more affordable prevention options for women, and
14 that's for what you will see here on the slides; but
15 also for these following key reasons. The
16 disproportionate burden of HIV/AIDS globally and
17 domestically is shouldered by women who are poor,
18 often abused, and most often of African descent,
19 least protected, most unheard, and most unrepresented
20 in the decision-making arenas.

21 The triple epidemics of HIV/AIDS, poverty,
22 and violence, and the sense of powerlessness that is
23 exploited by these crises, increase vulnerability and
24 decrease quality of life for women and their
25 families. And the current inequality and the

1 accessibility, availability, affordability, and
2 acceptability of the female condom contributes to the
3 gross health disparities that exacerbate life-
4 threatening diseases and conditions, especially HIV.

5 I'm a 43-year-old black woman who is
6 divorced and sexually active. So that makes me seem
7 a likely woman at risk for HIV and AIDS, as, for
8 example, in my state, black women are 23 times more
9 likely than white women to be infected with HIV. Am
10 I typical? Not so much because I do not live at or
11 below the poverty line. I'm not a substance abuser
12 or in recovery from substance abuse. I'm not a
13 survivor or sufferer of intimate partner violence,
14 and nor am I economically dependent. I know more
15 than the average woman does about HIV/AIDS risks and
16 consequences, and I use female condoms because I have
17 really good access to them and because I need a
18 little variety in my safer sex life just like you
19 all. And I still, despite all of that, have
20 challenges with consistent use and negotiation with a
21 potential or a new partner.

22 So I know that much of today's testimony
23 actually has a focus on women who experience the true
24 brunt of the pandemic, women in the poorest regions
25 of the world, Africa, Asia, Latin America. And what

1 often gets overlooked is the parallel track that
2 exists for African-American women and women of
3 African descent in the U.S. For example, around 60
4 percent of the epidemic in sub-Saharan Africa is in
5 women, and around 60 percent of the epidemic in women
6 in the U.S. is in African-American women. And in the
7 southern United States, the economic, educational,
8 political, social, and cultural issues, as expressed
9 here in this slide, are common threads that impede
10 the access and progress that women at risk need.

11 I want you all in your deliberations to
12 remember the hundreds of thousands of HIV positive
13 women and women at risk right here in the United
14 States, particularly in the southern region, as well
15 as in the poorest regions of the world. We look at
16 ourselves as living in developing communities,
17 similar to our sisters in developing countries.

18 So if you just pay attention to that quick
19 rate in my state right there as of 2005 -- we know
20 these numbers have changed with the new incidence
21 numbers. But in the State of Georgia, the overall
22 rate is about 17. And if you look again at women
23 across the south, here is another disproportionate
24 representation with that high red bar representing
25 women and girls in the southern region, including

1 Washington, D.C.

2 But if you bring it home, here are the top
3 ten zip codes in the State of Georgia. The three
4 that we focus on particularly are 30318, 30314, and
5 30310. Now, these zip codes are contiguous, they are
6 common, and they are extremely transmigrated, in
7 terms of in the city, in the sense that they occupy
8 large academic institutions. They occupy one of the
9 largest heroin access sites in the southern region of
10 the U.S., and they also are home to a lot of
11 commercial sex work. And though we may not
12 experience comparable rates of sex work to other
13 regions of the world, we certainly experience high
14 rates of sex transaction. It's alive and flourishing
15 for things like drugs, money, housing, food,
16 companionship, and oftentimes, status.

17 And for many --

18 DR. CEDARS: I need to ask you to wrap up,
19 please.

20 MS. DIXON DIALLO: Yes. So for many of the
21 reasons that have already been expressed, I'm here to
22 support the approval of FC2. Most importantly is the
23 issue of cost and its unequal and unfair disadvantage
24 to organizations and our prevention budgets. One
25 quick example is in four months of purchase,

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1 SisterLove's expenditure rate was for 10,000 male
2 condoms in a four-month period, we spent about \$535.
3 For 2,000 female condoms in that same period, we
4 spent over \$2,500, which is a limitation to our
5 budget and our opportunity.

6 I also have brought a letter in solidarity
7 from the Chicago Women's AIDS Project, which is co-
8 signed by about 70 individual women, including women
9 living with HIV. I thank you for the opportunity.
10 And that is my time, but I would also quote not only
11 Martin Luther King but also our recently elected
12 president-elect that when we are looking at issues of
13 every day lives of women at risk, the "fierce urgency
14 of now" is upon you to make the appropriate decision
15 to increase access and to reduce the incidence of HIV
16 in women and girls at home and around the world.
17 Thank you.

18 DR. CEDARS: Thank you. Do we have any
19 questions? Thank you.

20 MS. DIXON DIALLO: Thank you.

21 DR. CEDARS: Our next speaker is Patricia
22 Coffey.

23 DR. COFFEY: Good morning. My name is
24 Dr. Patricia Coffey, and I'm a social scientist at
25 PATH Headquarters in Seattle. PATH is an

1 international non-profit, non-governmental
2 organization that works to improve health by
3 advancing technologies, strengthening health systems
4 and encouraging healthy behaviors. The president and
5 CEO of PATH, Dr. Chris Elias, submitted written
6 testimony to the Advisory Panel, and I'm pleased to
7 have this opportunity to present orally on behalf of
8 PATH.

9 I've worked in the field of reproductive
10 and women's health for over two decades. I began my
11 work as a Peace Corps volunteer in West Africa. One
12 of my main responsibilities was to teach family life
13 education to young people and consult with married
14 couples about their preferred family planning method.

15 Upon my return from West Africa, I worked
16 as a family planning counselor in a bilingual clinic
17 in the Los Angeles area. I heard from women and
18 young people about their need for family planning
19 methods that were free from systemic side effects,
20 that were easily accessible, and that were protective
21 of not only unintended pregnancy, but also sexually
22 transmitted infection.

23 Early in the 1990s, while at USAID, I
24 became acquainted with a new reproductive health
25 technology, the FC1. In my role as research advisor,

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1 I advocated with international organizations,
2 including UNAIDS, for the usefulness of the female
3 condom as a way to protect the -- as a way for women
4 to protect themselves from both unintended pregnancy
5 and STIs, including HIV. These experiences formed
6 the foundation of my belief in a woman's right to
7 choose her method of fertility regulation and of the
8 need for an expanded range of woman-initiated barrier
9 methods.

10 I am, like this FDA Advisory Panel,
11 concerned about the safety and efficacy of female
12 condom products. I'm also concerned about the more
13 than 1 in 6 married and the 1 in 13 never married
14 women, age 15 to 49, who have an unmet need for
15 contraception, the more than 76 million women
16 worldwide who experience unintended pregnancy every
17 year, and the more than 19 million women worldwide
18 who are living with HIV infections primarily as a
19 result of heterosexual contact. Further, I'm
20 concerned about the estimated 340 million women and
21 men who experience treatable sexually transmitted
22 infections annually, of which more than 100 million
23 are among young people age 15 to 24. Expanding
24 access to female condom products is one clear way to
25 increase levels of protected sex and meet the needs

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1 of these vulnerable women and men.

2 PATH has been actively investigating the
3 needs of women for female condoms over the last ten
4 years. In my role as social science research advisor
5 at PATH, I led a team that conducted research in
6 several developing countries and the United States to
7 identify features and characteristics that make
8 female condoms easier to use and more acceptable for
9 both partners.

10 Our new female condom product, which we
11 call the woman's condom, was evaluated in a
12 comparative phase 1 slippage and breakage study with
13 the FC1 and found to have good performance and to be
14 comfortable and easy to use. To date, however, PATH
15 has not found funding for the contraceptive effect --
16 study required by U.S. FDA for market clearance. So
17 plans to bring this product to the United States
18 market have been sidelined.

19 In addition to female condom product
20 development work, I led a team that convened a global
21 consultation on the female condom in 2005. At this
22 meeting, international researchers, donors, policy
23 makers, and reproductive health advocates met to
24 review the health impact of female condoms, broaden
25 our understanding of the opportunities and obstacles

1 to female condom programming, and identify strategies
2 to advance access to female condoms worldwide.

3 PATH is committed to expanding the class of
4 female condom products. We believe that expanding
5 access to female condom products will result in
6 greater use by women and couples who are at risk of
7 unintended pregnancies and STIs, including HIV. Our
8 investigations over the last ten years have led us to
9 conclude that access to and use of female condom
10 products will be increased by creating a product with
11 improved user acceptability, lower cost, or both.

12 The FC2 female condom has the potential to
13 meet these criteria. Approval of the PMA amendment
14 for the FC2 female condom is especially critical in
15 light of the probability that future access to FC1
16 will be limited. As the FC2 condom becomes more
17 widely available and demand in other countries
18 increases, it will probably not be cost-effective for
19 the Female Health Company to keep two production
20 facilities open, especially if one facility is
21 designated solely to service one market. Hence,
22 there is a real likelihood that if the PMA amendment
23 for the FC2 female condom is not approved, women in
24 the United States will be left without access to any
25 female condom product.

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1 We believe that approval of the PMA
2 amendment for the FC2 female condom is the only
3 ethical way forward, thereby allowing women and
4 couples in the United States the option of choosing
5 either male or female condoms as their protection
6 method.

7 In summary, expanding access to female
8 condom products is one clear way to meet the unmet
9 needs of women for protection of unintended
10 pregnancies and STIs, including HIV. The FC2 female
11 condom represents a lower cost option for couples and
12 women worldwide. A lower cost female condom product
13 may ensure market viability in both the United States
14 and international arenas. In the interest of women
15 in the United States and their sisters worldwide, I
16 urge you to support this premarket approval amendment
17 for the FC2 female condom. Thank you.

18 DR. CEDARS: Thank you. Questions?

19 DR. ZENILMAN: Help me understand the logic
20 of what you're saying. Our charge was to look at the
21 efficacy and other characteristics, and what you're
22 saying is that if we believe that it's not as good as
23 the FC1, we should still approve it because otherwise
24 there won't be anything available?

25 DR. COFFEY: Well, it's for you to decide

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1 related to safety and efficacy that -- I think --

2 DR. ZENILMAN: Right, but you said --
3 basically, you said unless you do this, people won't
4 have access to anything. You're saying --

5 DR. COFFEY: Well, they may --

6 DR. ZENILMAN: You're saying the logic of
7 that would be people -- you would actually approve of
8 people having access to an inferior product in your
9 logic?

10 DR. COFFEY: Well, in fact, people
11 worldwide have access to the FC2 now, so this is
12 really --

13 DR. ZENILMAN: Well, I'm not saying what
14 people outside have. I'm saying basically what our
15 charge is and what you're saying.

16 DR. COFFEY: Well, I guess if I was in your
17 position, I would want to weigh the relative risk and
18 benefit of what the data are showing me related to
19 the equivalency of FC1 and FC2 and also the clear
20 need that we've heard today and which we all know
21 based on data and probably our experiences of the
22 need for further protection options for women and
23 couples who are at risk of HIV and unintended
24 pregnancy. So I think that that's in some ways an
25 ethical issue that needs to be taken into these

1 deliberations. And I think that's what we're saying.

2 DR. ZENILMAN: Well, I disagree with you.
3 I think you're proposing a moral hazard by -- we --

4 DR. CEDARS: But if I could interrupt this
5 line of questioning, we're going to discuss the PMA
6 later --

7 DR. ZENILMAN: Okay.

8 DR. CEDARS: Thank you. Oh, I'm sorry,
9 Dr. Gilliam?

10 DR. GILLIAM: Could you clarify for me,
11 PATH has developed a women's condom, and then what is
12 the impetus for that? What improvements were you
13 seeking with your product?

14 DR. COFFEY: The FC1 product has a variety
15 of limitations that have been well documented in the
16 literature. And so our belief was that if we improve
17 the acceptability of another female condom design, it
18 would lead to better use, it would lead to more
19 consistent and correct use of the female condom
20 product.

21 DR. GILLIAM: But could you be specific
22 about what --

23 DR. COFFEY: Yeah, so the issues related to
24 the FC1 have to do with problems with insertion,
25 problems with instability and fit of the female

1 condom, especially during sex, and then some
2 aesthetic issue, which are always there when we talk
3 about condom products. And so our design has really
4 attempted to address the fit and stability issue
5 primarily. And then we have also had an interactive
6 process where we have a variety of people around the
7 world who act as co-designers. And so we've been
8 able to get a variety of feedback from potential
9 users about how we might be able to make the product
10 more acceptable, and we've incorporated those
11 incremental design changes into our final product
12 design.

13 DR. GILLIAM: And do you think the FC2
14 meets any of those requirements, and do you have any
15 information or thoughts about the slippage issue for
16 FC2?

17 MS. COFFEY: Well, what I know is what you
18 know, which is what the data are from the RHRU study.

19 DR. CEDARS: Thank you. And the next
20 speaker is Cindy Pearson.

21 MS. PEARSON: Thanks. I represent the
22 National Women's Health Network, which is a
23 grassroots, member-supported, national advocacy
24 organization. The Network does not accept any
25 financial support from pharmaceutical companies or

1 medical device manufacturers. We have no financial
2 ties with any company involved in the manufacture or
3 promotion of condoms or other contraceptives.

4 The Network values the FDA for the many
5 important roles it plays in safeguarding the health
6 of consumers, including using the regulatory process
7 to ensure that new products have enough evidence to
8 justify approval. We understand that the FDA has to
9 carefully weigh exactly how much evidence is enough.
10 And competing pressures, such as an urgent need for a
11 new product versus legitimate scientific questions
12 that aren't fully answered, can make decisions about
13 how much evidence is enough a tough one.

14 However, even though it's a tough
15 assignment, the FDA often gets it right. And in the
16 case of the original female condom, the FDA did get
17 it right. Today, as we meet to discuss and advise
18 the FDA about the new female condom, the Network is
19 optimistic that the FDA will get it right once again
20 and approve the new condom for women.

21 Approval of the original female condom was
22 a long process with several points at which the
23 entire reproductive health community and a couple
24 Panel members who are here today joined the FDA in a
25 discussion about how much evidence is needed to be

1 reasonably sure that the female condom is safe and
2 effective. The Network was happy to play a key role
3 at various times in that process, and we're happy to
4 be here again today.

5 But to prepare for this meeting, we
6 reviewed all the information that the FDA made
7 available on its website. This is some of it. And
8 we're pleased to see that the Agency reviewer has
9 clearly communicated to the Panel, at least in this
10 written test material, some key points with which the
11 Network agrees. Studying the likelihood that new
12 condoms slip or break when used is an acceptable way
13 to evaluate new versions of previously approved
14 condoms. Longer, larger studies with pregnancy
15 outcomes are not necessary to assure ourself that a
16 new version of a previously approved condom is
17 acceptable.

18 The likelihood that the new female condom
19 would slip or break was studied using a well-
20 established approach to compare new condoms to older
21 condoms. And this study found that the new condom is
22 not inferior to the original female condom, which
23 finding reached the level of statistical
24 significance.

25 However, after reading the FDA's executive

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1 summary, it's clear that the Agency reviewer has
2 asked the Panel to consider whether or not those
3 data, which did reach statistical significance, are
4 actually reliable. And the FDA review team seems not
5 to be concerned about the design of the study, which
6 is very standard, but about the day-to-day experience
7 of the women who took part in the study.

8 Specifically, they've raised concerns about
9 whether all the right questions were included on the
10 log used by women to record the experience, whether
11 the log had enough room on it for women to fully
12 record their experience, whether the right women took
13 part in the study, and whether actually talking to
14 women rather than just reading their logs was a
15 mistake.

16 The FDA's concerns about the strength of
17 the data go right to the heart of the FDA's duty to
18 determine how much evidence is enough. And, in some
19 cases, we, the Network, completely disagrees with the
20 reviewer's concerns, and we hope you will, too. For
21 example, the question about whether the wrong women
22 took part in the study has to do with inclusion of
23 sex workers and whether sex workers are less
24 accurately able to describe what happens when they
25 have sex or whether information learned from sex

1 workers isn't relevant to American women.

2 We feel strongly, and we believe research
3 bears this out, that information learned from sex
4 workers is relevant to American women and that sex
5 workers can and do accurately describe what happens
6 when they try new condoms. We urge you on the Panel
7 to tell the FDA that those data are worthy and should
8 be included.

9 The FDA review team also expressed concerns
10 that the right questions weren't included on the log
11 women used to record their experience and that women
12 were interviewed about their experience rather than
13 the researchers relying solely upon log records. The
14 Network believes, and this is a point of feminist
15 pride backed up by science, that interviewing women
16 is a legitimate way to obtain information about their
17 experience. Women's voices are as reliable as
18 women's check marks on a piece of paper. Granted,
19 interviewing women about their experience takes place
20 a few weeks after the actual experience, but that
21 doesn't mean that women don't remember the intimate
22 details of what happens to them.

23 Similarly, whether or not the right
24 questions were included on the log seems to involve
25 whether or not women can remember if a female condom

1 slipped out if the word slip isn't on the log. Now,
2 I just want to remind the Panel that the FDA
3 acknowledges that partial slippage doesn't have any
4 bearing on effectiveness. So what we're talking
5 about is whether a woman can recall if a condom
6 slipped out completely during intercourse. I'll just
7 say for myself, I may not remember every time the
8 waistband of my skirt slipped a little bit, but I
9 would certainly remember if my skirt slipped
10 completely off.

11 (Laughter.)

12 MS. PEARSON: Finally, the FDA has raised a
13 concern that the log used by women to keep track of
14 their experience didn't have enough space for women
15 to record what happened if they used more than one
16 condom a day. Well, I'm here to tell you women are
17 very good at keeping track of lots of things that all
18 happen in the same day. Just to give a few real
19 world examples, women track multiple symptoms more
20 than once each day on fertility awareness charts.
21 Weight Watchers encourages its members to use a
22 journal that requires tracking many different types
23 and amounts of foods multiple times a day. And I
24 imagine that many of you on the Advisory Panel were
25 given a travel reimbursement form for today's meeting

1 that asks you to record multiple types of expenses
2 multiple times for each day.

3 Certainly --

4 DR. CEDARS: If you could, wrap up, please.

5 MS. PEARSON: We all appreciate a well-
6 designed form, but we can make do very well with what
7 we're given.

8 To sum up, our reactions to FDA's concerns
9 about data collection, we do not believe that any of
10 these concerns are sufficient to undermine the data
11 that were collected in the pivotal study. And, in
12 summary, the Network believes that there are enough
13 data to assure women that we are reasonably certain
14 that the new female condom is safe and effective. We
15 urge the Advisory Panel to recommend that the FDA
16 approve the new female condom. Thank you.

17 DR. CEDARS: Are there questions?

18 DR. MARRAZZO: Why do you think the
19 slippage rate was so much lower in the study for the
20 FC1?

21 MS. PEARSON: There's a lot of reasons why
22 it might have been lower for -- are you asking
23 whether it appeared to be lower for FC1 versus FC2
24 or --

25 DR. MARRAZZO: No -- the numbers --

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1 MS. PEARSON: -- lower in this study
2 compared to other studies?

3 DR. MARRAZZO: No, FC1 compared to all
4 other studies. It was significantly lower, if it's
5 not just the way the question was asked or not asked?

6 MS. PEARSON: You know, because there have
7 been different uses of that word slippage over the 19
8 or 20 years in which there have been studies of
9 different versions of the female condom, I think the
10 important question is the internal comparison of FC1
11 to FC2, and if it appears to be lower in this study
12 than in other studies, that might have something to
13 do with the study design, but the real question of
14 importance to women is whether the comparison between
15 the two seem to be -- we can be reasonably assured
16 that FC2 isn't worse, and that's what the data seemed
17 to show.

18 DR. MARRAZZO: Okay.

19 DR. CEDARS: Thank you.

20 MS. PEARSON: You're welcome.

21 DR. CEDARS: Next, Colin Pollard, chief of
22 Obstetrics and Gynecology Devices Branch, would like
23 to make some introductory remarks regarding the
24 remainder of the meeting today.

25 MR. POLLARD: Thank you, Dr. Cedars, and I

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1 also just want to acknowledge all of the previous
2 speakers from the open public hearing. I thought you
3 heard a lot of very on-point comments that get to
4 many of the key things that we're asking the Panel to
5 address later in the day. And I'd also like to point
6 out you have a folder -- I'm not sure if Mike
7 mentioned this already, but you have a separate
8 folder that has -- there's many of the written
9 letters and comments that we've received, some of
10 which were from the speakers and some of which were
11 for people who could not be here today.

12 So what I'd like to do is, before you get
13 into the Sponsor presentation and the FDA review
14 presentation, is give a little bit of a backdrop, and
15 I'm calling this a little intro, but it's actually
16 going to take about 20 or 25 minutes because I
17 thought it would be important to touch on three
18 important aspects that affect why we're here today.
19 One, I'd like to give a basic regulatory overview of
20 how FDA reviews condoms; and, secondly, speak a
21 little bit about some general comments about condom
22 failure mode studies, which is the pivotal study in
23 the PMA today; and, finally, a few specific comments
24 about today's PMA.

25 So to review, and I know many of you

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1 understand this very well, classification is a risk-
2 based approach, again, defined by the statute. And
3 any of this -- well, first of all, speaking of
4 regulation of any medical device, it starts with
5 FDA's three-tiered classification scheme for medical
6 device that serves as a foundation for how we
7 regulate a product. And I'd also like you to keep in
8 mind a date, May 28, 1976, the enactment date of the
9 Medical Device Amendments and the actual point in
10 time defined in the statute when FDA looked back to
11 see what was legally on the market in the U.S. And
12 in the late '70s and early '80s, FDA initially
13 classified thousands of medical devices that were on
14 the market.

15 So how does FDA regulate condoms? And any
16 discussion of that starts with an appreciation of
17 FDA's three-tiered classification scheme that serves
18 as our foundation. So Class I, classification starts
19 with Class I general controls for devices posing the
20 least risk, and by risk I mean the health
21 consequences of device use and/or device failure.

22 Class II is assigned to devices whose
23 design or intended use poses a more complex review
24 picture, where the risk is higher, but FDA believes
25 that performance standards or other special controls

1 would be sufficient to ensure its safety and
2 effectiveness. One of the general controls for Class
3 I and Class II devices is the 510(k) premarket
4 notification, the regulatory pathway to market that
5 I'll speak to in just a second, although most Class I
6 devices have been exempted from this.

7 And Class III is assigned to devices with
8 an even more complex picture, higher risk, and even
9 less is known about their safe and effective. Class
10 I and Class II controls are deemed insufficient to
11 ensure safe and effective, and Class III devices
12 follow a different pathway to market, the so-called
13 premarket approval application, or the PMA.

14 So let's talk about male condoms first.
15 When the Medical Device Amendments were enacted in
16 1976, FDA was aware that there were already many male
17 condoms on the market at that time. The Panel, which
18 helped FDA with the initial classification process,
19 recommended that male condoms be placed in Class II.
20 There was a long history of safe and effective use of
21 condoms, and the Panel believed that general controls
22 plus performance standards would ensure their safety
23 and effectiveness. There were some clinical studies
24 in the medical literature at the time, but the
25 Panel's classification recommendation was based

1 primarily on the experience of many Panel members in
2 their own clinical practice. And, so, in 1981, FDA
3 classified male condoms into Class II.

4 And, by statute, the Class II designation
5 defines the regulatory pathway to market;
6 superficially, a manufacturer brings a Class II
7 device to market by submitting a 510(k) premarket
8 notification to FDA for review. And the regulatory
9 essence of a 510(k) submission is showing that a new
10 device is substantially equivalent to a predicate
11 device, that is, a legally marketed pre-amendments
12 device, in terms of both its intended use and its
13 design. It's something of a "me, too" concept, and
14 that's how new male condoms are brought to market by
15 the manufacturer showing, just to repeat, that its
16 new condom is substantially equivalent in terms of
17 safety and effectiveness to another male condom that
18 was legally marketed before 1976 or found
19 substantially equivalent since then.

20 So what has happened with male condoms
21 since they were classified in Class II many years
22 ago? First, there have been many significant
23 developments of test methodology and benchmarks to
24 characterize a quality condom, and this effort has
25 been characterized by numerous types of studies of

1 condom properties. And there has been significant
2 substantial work in the clinical arena over the past
3 30 years studying how well condoms work and putting
4 some definition and precision to what was already
5 known.

6 On the pre-clinical side, over the past 30
7 years, there's been a concerted effort to develop
8 performance standards addressing both methodology and
9 condom quality benchmarks. Industry, independent
10 test labs, and FDA, including its own field test
11 labs, have worked extensively on this, and there is a
12 national and an international standard for male
13 condoms made from natural rubber latex.

14 FDA recognizes both of those standards.
15 And, over time, these standards have evolved to keep
16 up with the science, adding and subtracting,
17 replacing various sections as appropriate. FDA has
18 played a significant role in encouraging standards
19 development, both by participating in standards
20 meetings as well as by sponsoring key studies that
21 serves as a basis for new requirements; for example,
22 the shelf-life testing that now supports an
23 expiration date.

24 When, back in the '90s, manufacturers began
25 developing male condoms made from synthetic

1 materials, such as polyurethane and cobalt polymers,
2 FDA responded by publishing a guidance document
3 spelling out additional testing needed to support a
4 new 510(k). Now the standards process is almost
5 caught up, and a draft international standard for
6 this condom type is nearly complete.

7 Turning to the clinical side, there's been
8 significant work done here, too. Over the past 30
9 years, there have been hundreds of publications
10 describing clinical studies of male condoms, mostly
11 male condoms made from natural rubber latex. These
12 studies have addressed many different aspects of
13 condoms and their performance. But this morning, I'm
14 going to focus briefly on what these studies can say
15 about risk reduction with respect to the two
16 purported uses for condoms; that is, prevention of
17 sexually transmitted infection and prevention of
18 unintended pregnancy. There have also been many
19 studies of male condom failure modes, and I'll go
20 into that more later.

21 So with respect to protection against
22 STIs -- I hope I covered this adequately earlier this
23 morning. I can't really truly devote the kind of
24 time needed to get into it in detail. FDA's
25 conclusion on this, now codified as a special control

1 and effective this coming January, is that condoms,
2 male condoms made of natural rubber latex remain a
3 very effective method. They're highly effective
4 against HIV/AIDS when used correctly and
5 consistently.

6 But as the new labeling control highlights,
7 there is a wide range of common STIs, and condoms
8 provide better protection against some STIs than
9 others. Again, this conclusion applies to condoms
10 made from natural rubber latex, and that's because
11 these represent the large -- the very large share of
12 condom use and the vast preponderance of clinical
13 studies. FDA will now turn to other condom types to
14 see whether these labeling recommendations should
15 apply to them as well.

16 With respect to protection against
17 unintended pregnancy, there are not as many studies
18 here as there are with respect to STIs, but still a
19 substantial body of evidence. Data available at the
20 time of classification, there was some published
21 studies, but not of today's caliber or quality.

22 And CDC, starting in 1973, had already
23 begun its national survey of family growth, and data
24 from this survey has served as a regular basis for
25 estimates of pregnancy rates when relying on condoms.

1 And, at this point today, the survey has been
2 conducted seven times, most recently in 2002, and
3 that -- sorry, in 2008, and that data should be
4 available some time next year. And there have been
5 at least three high quality studies of contraceptive
6 effectiveness of male condoms in the past ten years.

7 This slide summarizes the results of these
8 three studies, the prospective randomized trials
9 comparing male natural rubber latex condoms to new
10 synthetic condoms with respect to contraceptive
11 effectiveness. A couple of points. Effectiveness is
12 presented inversely as contraceptive failure; that
13 is, the percentage of women who became pregnant
14 during the six-month duration when they were relying
15 on the condom, and this data is presented both as a
16 typical use rate and a perfect use rate.

17 You might remember I just spoke about the
18 national survey of family growth conducted
19 periodically by CDC. Condom effectiveness can be
20 derived from that data, and the numbers in this slide
21 are taken from a chapter by Trussell on contraceptive
22 technology. These are one-year estimates, not six-
23 month. And the perfect use rate pretty much matches
24 up with what we saw in the clinical trials. The one-
25 year rate derived here is the same as what we would

1 have gotten if we simply doubled the six-month rate
2 from the randomized trials. The typical use rate
3 here is more than what would have been estimated from
4 the clinical trials, and I won't get into how that
5 was derived.

6 So the current status of male condom
7 regulation, to summarize, male condoms are Class II
8 devices. The pathway to market is 510(k) premarket
9 notification. These submissions are typically
10 supported by a variety of bench studies, many whose
11 underpinnings are based in performance standards that
12 have been recognized for years. Male condoms made
13 from synthetic materials also follow the 510(k)
14 track, but they are supported by additional bench
15 studies and a clinical failure mode study, which I
16 will speak to in just a bit.

17 So let's turn to female condoms, and how
18 does FDA regulate female condoms. It's worth noting
19 that when FDA first classified pre-amendments devices
20 back in the late '70s, we were not aware of any
21 female condom. This was not brought to our attention
22 until 1988 by the Sponsor, and we confirmed its pre-
23 amendment status. We took this product before our
24 Advisory Panel.

25 The product was called the Gee Bee Ring,

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1 made from animal skin, but not much more than that
2 was known. There was no data on its physical
3 performance and no data on clinical performance; that
4 is, whether it provided some measure of protection
5 against STIs or unintended pregnancies. And because
6 of this lack of safety and effectiveness data, the
7 Panel recommended that the generic category of female
8 condom be placed into Class III. FDA concurred and
9 classified the female condom into Class III, and the
10 primary regulatory consequence is that a manufacturer
11 of a female condom needs to use the PMA pathway to
12 market entry.

13 And just to review, and, again, I know
14 virtually all of you know this very well, a PMA, that
15 is, a premarket approval application, is submitted by
16 a manufacturer to FDA and should show with reasonable
17 assurance that the new device is safe and effective
18 for its intended use. The PMA should be supported by
19 valid scientific evidence. The data should show that
20 the device when used properly results in an
21 acceptable risk/benefit balance with respect to the
22 target population as laid out in the labeling. And
23 the folder you have in front of you provides
24 additional details on what this means, including the
25 definitions of safety, effectiveness, and valid