

FOOD AND DRUG ADMINISTRATION
CENTER FOR DRUG EVALUATION AND RESEARCH

PREGNANCY LABELING SUBCOMMITTEE
OF THE
ADVISORY COMMITTEE FOR REPRODUCTIVE HEALTH DRUGS

0674 00 SEP 29 AM 51

This transcript has not been edited or corrected, but appears as received from the commercial transcribing service; the Food and Drug Administration makes no representation as to its accuracy.

10:11 a.m.

Tuesday, September 12, 2000

Chesapeake Suite
Hyatt Regency Hotel
One Metro Center
Bethesda, Maryland

ATTENDEES

SUBCOMMITTEE MEMBERS:

MICHAEL F. GREENE, M.D., Chairman
Associate Professor of Obstetrics,
Gynecology and Reproductive Biology
Department of Obstetrics and Gynecology
Massachusetts General Hospital
Founders Room 430
Boston, Massachusetts 02114

JAYNE E. PETERSON, R.Ph., J.D., Executive Secretary
Advisors and Consultants Staff, HFD-21
Center for Drug Evaluation and Research
Food and Drug Administration
5600 Fishers Lane
Rockville, Maryland 20857

BONNIE DATTEL, M.D.
Professor
Department of Obstetrics and Gynecology
Eastern Virginia Medical School
825 Fairfax Avenue, Suite 310
Norfolk, Virginia 23507-1912

SGE CONSULTANTS:

ELIZABETH ANDREWS, PH.D., M.P.H.
Director
Worldwide Epidemiology
Glaxo Wellcome
5 Moore Drive, Box 13398
Research Triangle Park, North Carolina 27709-2298

CHRISTINA CHAMBERS, M.P.H. (via teleconference)
Epidemiologist
California Teratogen Information Services
UCSD Medical Center
Department of Pediatrics
200 West Arbor Drive
San Diego, California 92102-8446

ATTENDEES (Continued)

SGE CONSULTANTS: (Continued)

ELIZABETH ANN CONOVER, M.S.
Coordinator
Nebraska Teratogen Information Service
Munroe Meyer Institute for Genetics
and Rehabilitation
University of Nebraska Medical Center
985440 Nebraska Medical Center, Room 2074
Omaha, Nebraska 68198-5440

LEWIS BALL HOLMES, M.D. (via teleconference)
Professor of Pediatrics
Massachusetts General Hospital
Genetics and Teratology Unit
Warren 801
32 Fruit Street
Boston, Massachusetts 02114-2696

PATRICK WIER, M.D.
Group Director
Reproductive Toxicology
SmithKline Beecham Pharmaceuticals
709 Swedeland Road
King of Prussia, Pennsylvania 19406

KATHERINE L. WISNER, M.D.
Professor of Psychiatry and
Reproductive Biology
Director, Women's Mental Health Care Program
Case Western Reserve University
11400 Euclid Avenue
Triangle Building, Suite 280
Cleveland, Ohio 44102

GUESTS AND GUEST SPEAKERS:

JAN M. FRIEDMAN, M.D., PH.D.
Birth Defects and Genetic Diseases Branch
Centers for Disease Control
4770 Buford Highway, N.E.
Mail Stop F-45
Atlanta, Georgia 30341-3724

ATTENDEES (Continued)

GUESTS AND GUEST SPEAKERS: (Continued)

GIDEON KOREN, M.D.
The Hospital for Sick Children
555 University Avenue
Toronto, Ontario M5G 1X8

JULIA SCOTT, R.N., Consumer Representative
President
National Black Women's Health Project
600 Pennsylvania Avenue, S.E., Suite 310
Washington, D.C. 20003

FOOD AND DRUG ADMINISTRATION STAFF:

HOLLI HAMILTON, M.D., M.P.H.
DIANNE KENNEDY, R.P.H., M.P.H.
SANDRA KWEDER, M.D.

C O N T E N T S

AGENDA ITEM	PAGE
CONFLICT OF INTEREST STATEMENT by Ms. Jayne Peterson	6
BACKGROUND INFORMATION AND OVERVIEW by Dr. Sandra Kweder	9
SETTING PRIORITIES FOR IMPLEMENTING THE PREGNANCY LABELING RULE by Ms. Dianne Kennedy	16
OPEN PUBLIC HEARING	40
SUBCOMMITTEE DISCUSSION OF QUESTIONS PRESENTED	64
CLOSING REMARKS by Dr. Sandra Kweder	75

P R O C E E D I N G S

(10:11 a.m.)

1
2
3 DR. GREENE: I think we're going to get started
4 please.

5 I'd like to thank everyone on the committee for
6 coming, and Jayne has the usual conflict of interest
7 statement please.

8 MS. PETERSON: Good morning. I'd like to read
9 the conflict of interest statement for the meeting.

10 The following announcement addresses the issue
11 of conflict of interest with regard to this meeting and is
12 made a part of the record to preclude even the appearance
13 of such at this meeting.

14 Based on the submitted agenda for the meeting
15 and all financial interests reported by the committee
16 participants, it has been determined that since the issues
17 to be discussed by the subcommittee will not have a unique
18 impact on any particular firm or product, but rather have
19 widespread implications to all similar products, in
20 accordance with 18 U.S.C. 208(b), general matters waivers
21 have been granted to each special government employee
22 participating in today's meeting.

23 A copy of this waiver statement may be obtained
24 by submitting a written request to the agency's Freedom of
25 Information Office, room 12A-30 of the Parklawn Building.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

With respect to FDA's invited guests and guest speakers, Dr. Gideon Koren and Ms. Julia Scott have reported interests which we believe should be made public to allow the participants to objectively evaluate their comments. Dr. Koren would like to disclose that he's a researcher for Duchesnay, Ltd. and receives consulting fees and speaker fees from Duchesnay, Ltd. Ms. Scott would like to disclose that she's a member of Pfizer's Health Advisory Board.

In the event that the discussions involve any other products or firms not already on the agenda for which an FDA participant has a financial interest, the participants are aware of the need to exclude themselves from such involvement and their exclusion will be noted for the record.

With respect to all other participants, we ask in the interest of fairness that they address any current or previous financial involvement with any firm whose products they may wish to comment upon.

Thank you.

DR. GREENE: Thank you.

I'd like to ask the committee members to introduce themselves please, starting with Ms. Scott.

MS. SCOTT: Julia Scott, National Black Women's Health Project. I'm a consumer representative guest.

1 DR. FRIEDMAN: Jan Friedman. I'm a Professor
2 of Medical Genetics at the University of British Columbia,
3 currently on sabbatical at the CDC.

4 DR. KOREN: I'm Gideon Koren. I'm Director of
5 the Motherisk Program in Toronto, and I'm a Professor of
6 Pediatrics, Pharmacology, Pharmacy and Medicine.

7 DR. WISNER: Kathy Wisner from Cleveland, Ohio.
8 I'm a Professor of Psychiatry and Reproductive Biology.

9 DR. GREENE: I'm Mike Greene. I'm Director of
10 Maternal/Fetal Medicine at Massachusetts General Hospital.
11 I work at Harvard Medical School.

12 MS. PETERSON: I'm Jayne Peterson, FDA, the
13 Executive Secretary for the subcommittee.

14 DR. ANDREWS: I'm Elizabeth Andrews, Director
15 of Epidemiology at Glaxo Wellcome and the immediate past
16 President of the International Society for
17 Pharmacoepidemiology.

18 MS. CONOVER: I'm Beth Conover. I'm a genetic
19 counselor and I coordinate a teratogen information service
20 in Nebraska.

21 DR. WIER: I'm Patrick Wier. I'm a preclinical
22 scientist in reproductive toxicology for SmithKline Beecham
23 Pharmaceuticals.

24 DR. KWEDER: Sandra Kweder, FDA.

25 MS. KENNEDY: Dianne Kennedy, FDA.

1 DR. HAMILTON: Holli Hamilton, FDA.

2 DR. GREENE: There will be two people joining
3 us via conference call, as soon as we get the technical
4 glitches ironed out. Those will be Christina Chambers who
5 is an epidemiologist with the California Teratogen
6 Information Services and Dr. Lew Holmes who is a Professor
7 of Pediatrics at Harvard Medical School and works at
8 Massachusetts General Hospital.

9 So, I think we're ready to pursue the program.
10 The first speaker, please, is Dr. Sandra Kweder from the
11 FDA.

12 DR. KWEDER: Good morning, everyone. I don't
13 have any slides. My job is just to try to paint a picture,
14 a very brief overview, for you of why we're having this
15 two-hour meeting preceding the combined meeting of the
16 Pregnancy Labeling Committee and Pediatrics Committee this
17 afternoon.

18 As you know, we at the agency are continuing in
19 our efforts to develop a new regulatory framework for
20 pregnancy labeling. I'm not going to talk about the
21 specifics of that today, but I think it's important that
22 you understand that in addition to that labeling
23 initiative, we have several others ongoing at the agency.

24 One in particular is that the agency is in the
25 process of reformatting the entire package insert, the

1 whole thing, soup to nuts, in addition to this little piece
2 that we're working on. The goal of that project is to make
3 labels more user friendly and informative to clinicians who
4 have their hands on them at the moment. We need to be
5 thinking about that effort and how our piece, the pregnancy
6 piece, dovetails with that, and that's why we're here
7 today.

8 Whenever any new regulation is published, it
9 has to have what's called an implementation plan, and Dee
10 Kennedy will tell you a little bit more about that in a few
11 minutes. But the point of having an implementation plan is
12 so that parties that are affected by the rule, in this case
13 the pharmaceutical industry, will know when they need to
14 conform to the requirements of the regulation. That's all
15 part of a good regulation. Here's what the new rule is.
16 Here's when you have to be in compliance with the rule.

17 Typically for regulations, and particularly
18 when we're talking about regulations that deal with
19 labeling, the implementation plan, or schedule for
20 compliance, is based on how long a product has been on the
21 market. New products first; old products last. To make
22 everyone change all at once and not have something like a
23 schedule would be total chaos for the industry and for us.
24 We just could not possibly keep up with that and review
25 them all and do a decent job.

1 Well, we're at a point now with the development
2 of a pregnancy labeling regulation that we think we need to
3 start to think about what an implementation plan would need
4 to look like. The most important aspect of that to
5 consider in our minds is whether some products or some
6 types of products need to be put on what one might consider
7 an accelerated plan for implementation. In other words,
8 which patients need today consults? That's one way to
9 think about this.

10 In a few minutes, Dee Kennedy is going to give
11 you a little more detail and background to try to help you
12 organize your thoughts in this area. As you hear Dee's
13 presentation, keep in mind that our questions to you aren't
14 which individual drugs should be on such a list, but rather
15 when you consider the individual drugs that come to your
16 mind as being appropriate for such a list, what is it about
17 them that makes those products qualify in your mind.
18 Because we could never come up with an individual list that
19 would suit everyone. So, the key is what are the
20 qualifiers. In other words, help us establish the criteria
21 for the fellows as to what are the criteria for today
22 consults. When does it qualify?

23 Now, this might seem to be a bit of an odd task
24 to request your advice on, but our goal here is to
25 establish some reasonably simple but clinically relevant

1 criteria that will allow us to then go back and apply to
2 agents on a case-by-case basis without being arbitrary...
3 It's important for us a regulatory body to operate by
4 principles and not just make arbitrary determinations.

5 So, that's why we're here today.

6 In the way of updates, I thought I would just
7 mention in follow-up to our last meeting about six months
8 ago where we discussed pregnancy registries, there was a
9 workshop at the International Society of
10 Pharmacoepidemiology last month, that Dr. Andrews was at
11 and Dr. Hamilton and Dee Kennedy, beginning to address
12 issues in methodologies related pregnancy registries.

13 There are two meetings coming up in the near
14 future that will focus on studying the clinical
15 pharmacology of drugs in pregnancy. There's an NIH
16 workshop on methodologies in this area that's being held
17 here in Bethesda on September 25th and 26th, and there will
18 be a much larger conference sponsored by FDA and NIH to try
19 to focus on the need for this area of research in pregnant
20 women. That's going to be held in Washington on December
21 4th and 5th. We'll make sure that all of you who are at
22 the table receive printed materials on that so hopefully
23 you can plan to attend.

24 With that, I'm going to turn the podium over to
25 Dee unless Jan has a question.

1 DR. FRIEDMAN: I'd like to ask you a question
2 about what you said at the very beginning. You said this
3 is in the context of a revision of the entire label.

4 DR. KWEDER: Yes.

5 DR. FRIEDMAN: Is there a time table for that
6 revision of the entire label implementation?

7 DR. KWEDER: That project has been in
8 development for years. The format has been presented at
9 countless meetings. My understanding is that that proposal
10 has left the agency, which means that it's somewhere else
11 in the process whereby rules get approved to be published
12 in the Federal Register. Groups that have to look at them
13 include the Office of Management and Budget, the Department
14 of Health of Human Services, and various other parties.
15 Our understanding is that that has left the agency.

16 Whether or not there will be any action on any
17 new regulations before the presidential elections remains
18 to be seen.

19 DR. FRIEDMAN: Is there an implementation plan
20 associated with that?

21 DR. KWEDER: There will be one. There will be
22 a proposed one. That will come out as a proposed rule.
23 Because its so far-reaching, it will come out as a proposed
24 rule with a proposed implementation plan which will be
25 time-based, and then there will be a comment period before

1 the rule is finalized and implemented.

2 Does that answer your question?

3 DR. FRIEDMAN: Sort of.

4 DR. KWEDER: You want to know when are we going
5 to see the new ones.

6 DR. FRIEDMAN: No. I want to know whether
7 there's a 5-year period, a 3-year period, a 10-year period
8 that we can think about in terms of the time that the
9 labeling with respect to drug use in pregnancy might be
10 implemented.

11 DR. KWEDER: They're pretty standard. Dee is
12 going to show you an example of one that I think will give
13 you a flavor. I don't think it's exactly like the one
14 that's on that plan.

15 We're always in a tight bind. I don't mean to
16 try to avoid directly answering your question, but I have
17 to be careful. We're always in a tough spot when we're
18 talking about regulations that are in process, particularly
19 something that, from our standpoint, is close to final and
20 is outside of the agency. Our lawyers get very nervous
21 when we talk detailed specifics.

22 I will say that the one that Dee is going to
23 give you an example of is pretty typical, and my
24 recollection is it looks similar but I can't confirm that
25 it's exactly the same.

1 Any other questions?

2 DR. GREENE: One thing I'd like to do before
3 the next speaker just one moment is just to ask Dr. Dattel
4 to introduce herself please.

5 DR. DATTEL: Yes. But for the traffic, I would
6 have been here two hours earlier. I'm Bonnie Dattel,
7 Professor of Obstetrics and Gynecology, Eastern Virginia
8 Medical School, Associate Director for the Division of
9 Maternal/Fetal Medicine, and Assistant Dean for Women's
10 Affairs.

11 DR. GREENE: I'd also like to acknowledge that
12 we've gotten our technical problems ironed out, and Tina
13 Chambers is on the line.

14 MS. CHAMBERS: Hello.

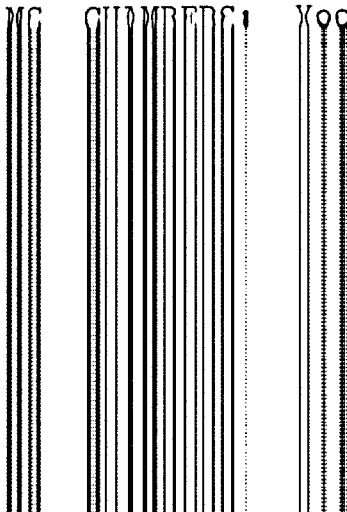
15 DR. GREENE: And Lew Holmes.

16 DR. HOLMES: Yes. Hello.

17 DR. GREENE: The next speaker then please.

18 DR. KWEDER: Let me just clarify. This is
19 Sandy Kweder. Lew and Tina, could you hear me through the
20 system here?

01



1 Any other questions?

2 DR. GREENE: One thing I'd like to do before
3 the next speaker just one moment is just to ask Dr. Dattel
4 to introduce herself please.

5 DR. DATTEL: Yes. But for the traffic, I would
6 have been here two hours earlier. I'm Bonnie Dattel,
7 Professor of Obstetrics and Gynecology, Eastern Virginia
8 Medical School, Associate Director for the Division of
9 Maternal/Fetal Medicine, and Assistant Dean for Women's
10 Affairs.

11 DR. GREENE: I'd also like to acknowledge that
12 we've gotten our technical problems ironed out, and Tina
13 Chambers is on the line.

14 MS. CHAMBERS: Hello.

15 DR. GREENE: And Lew Holmes.

16 DR. HOLMES: Yes. Hello.

17 DR. GREENE: The next speaker then please.

18 DR. KWEDER: Let me just clarify. This is
19 Sandy Kweder. Lew and Tina, could you hear me through the
20 system here?

21 MS. CHAMBERS: Yes.

22 DR. HOLMES: Yes. We could hear you wiggling
23 in response to Jan's question very well.

24 (Laughter.)

25 DR. KWEDER: It's easy to make those kinds of

1 | comments when you don't have to sit at the table.

2 | (Laughter.)

3 | MS. KENNEDY: Bonnie, don't feel too bad that
4 | you came in late. There were a lot of us who were right up
5 | to the wire. I was on the Metro at 10 till 10:00 thinking
6 | I was going to have to speak at 10:00, so I was kind of
7 | glad that we were a little slow starting this morning.

8 | I want to thank everyone for agreeing to come
9 | and help us out this morning. The joint meeting this
10 | afternoon with the Pediatrics Advisory Committee had been
11 | planned for quite a while. Then this morning's meeting was
12 | an add-on recently, and we just wanted to take advantage of
13 | having you all in town to get your help on one aspect of
14 | the Pregnancy Labeling Rule which, as Sandy has already
15 | told you, is the implementation plan.

16 | We won't be discussing the details of the rule
17 | today, but before we get started, I just wanted to go
18 | through and remind you of what the history has been of the
19 | Pregnancy Labeling Rule.

20 | Actually three years ago today, FDA held a Part
21 | 15 hearing to solicit input from the public on how we can
22 | best assure that health care providers and women get the
23 | best possible information about the use of drugs during
24 | pregnancy. We were particularly interested in learning
25 | about the practical utility and the effects and the

1 | limitations of the current labeling, particularly the
2 | system of using the five different pregnancy categories to
3 | reflect what's known about risk.

4 | Based upon what we learned at that Part 15
5 | hearing and comments submitted to the docket, the FDA
6 | Pregnancy Labeling Task Force developed a concept paper on
7 | pregnancy labeling which described a draft model for
8 | pregnancy labeling that we thought began to address the
9 | concerns and recommendations that had been given to us.
10 | The concept paper was presented at the first meeting of
11 | this group, the Pregnancy Labeling Advisory Committee, in
12 | June of 1999. At that time we solicited your thoughts and
13 | recommendations on the concept.

14 | We continued to work on the rule and we briefed
15 | this group again in March of this year on the status of the
16 | project. We are continuing to work. We meet on a weekly
17 | basis, and hopefully we'll have the proposed Pregnancy
18 | Labeling Rule published sometime the first half of next
19 | year.

20 | However, as I said, we're not here today to
21 | talk about the specifics of the new rule. We need your
22 | help and recommendations on a different facet of pregnancy
23 | labeling and that, as you've already heard, is the
24 | implementation plan.

25 | To avoid placing an undue workload burden on

1 industry and on the agency, any new regulation will be
2 phased in over a period of several years. That's what's
3 called the implementation plan. All new regulations must
4 have an implementation plan when they're first proposed in
5 the Federal Register.

6 We do plan to come back to this group and
7 present the rule in its entirety as soon as it is
8 published. However, we can't publish it without an
9 implementation plan first, which again brings us back to
10 why we're here today.

11 First, a little bit about the factors that we
12 consider when we're developing an implementation plan.
13 What is the universe of products that are going to be
14 affected by the new rule? How much of a burden is it going
15 to place on industry to comply with the new regulation?
16 And what about the workload and resources that we have to
17 have available at FDA in order to review the new labeling
18 that's submitted? Most importantly, what about the public
19 health need? Are there certain products or categories that
20 warrant new labeling sooner than other products?

21 And here, Jan, is an implementation plan, an
22 example. This is the basic framework for a plan. For
23 example, applications that are submitted on or after the
24 effective date of a new rule would be required to use a new
25 format at the time the application is submitted. For older

1 products, the new labeling is required based upon the
2 length of time the product has been on the market. For
3 example, products that have been on the market less than a
4 year prior to the effect of the new rule would have up to
5 three years after that effective date to comply. Products
6 that have been on the market one to two years prior to the
7 effective date would have up to four years, and so on, to
8 the point where perhaps those products that had been on the
9 market five years or more may have up to eight years after
10 the effective date to start using the new pregnancy format.

11 In this particular example, all marketed
12 products would eventually be required to revamp their
13 labeling into the new format, although it is possible that
14 some older products or certain categories of products would
15 be exempted from having to comply.

16 Now, even though this shows you a typical
17 implementation plan, we aren't here today to discuss the
18 timing for the phasing in of the requirement overall. I
19 just wanted to show you this to illustrate that with the
20 basic plan, even with the regulation requiring a new
21 format, it will be years, if even then, before the older
22 products would have to revamp their labeling.

23 We would like to know from you all if there are
24 critical products or categories of products for which it's
25 not reasonable to wait for many years to have more

1 | informative labeling. Should we develop a list of priority
2 | products for accelerated implementation of the new
3 | pregnancy labeling such that these products would be
4 | required to revamp their labeling in perhaps one or two
5 | years after the effective date of the rule?

6 | Our goals for this morning are to seek your
7 | advice on whether accelerated implementation is needed for
8 | certain critical priority products, keeping in mind that a
9 | basic implementation plan based on time in the market will
10 | be in place and will take care of the majority of products.
11 | If you do support the idea of an accelerated implementation
12 | plan, then we'd like to obtain your recommendations on what
13 | criteria we should use to identify priority or non-priority
14 | products. It's possible that you could come up with
15 | recommendations for us for products that you think would
16 | never need to have their pregnancy labeling revamped.

17 | Our preliminary thinking is that there are two
18 | general categories with considerable overlap that might
19 | benefit from an accelerated implementation plan. First,
20 | products that a woman might be taking before she realizes
21 | that she's pregnant. Those would be the inadvertent
22 | exposures during early pregnancy. And also products used
23 | to treat a woman during pregnancy. These could be for
24 | conditions related to the pregnancy or for conditions that
25 | a woman might have who also happens to be pregnant. From

1 | your perspective, should either or both of these be
2 | considered, and how should we identify and rank products
3 | within these categories?

4 | A large percentage of pregnancies are
5 | unplanned, and women of reproductive age take a lot of
6 | prescription medicines. Therefore, we can assume that
7 | there is a significant amount of inadvertent drug exposure
8 | early in gestation.

9 | Are there certain products for which it's
10 | important to provide useful information as soon as possible
11 | in the labeling that would be helpful to the physician when
12 | he's counseling a woman who realizes that she's pregnant or
13 | became pregnant while she was taking a prescription
14 | medicine?

15 | To give you an idea of the most frequently used
16 | categories and specific products used in women of
17 | reproductive age last year -- those would be the ones that
18 | might possibly be the most likely to be subject to
19 | inadvertent exposure -- you can take a look at a table in
20 | your background materials. Actually it's a table that was
21 | just handed out to you this morning. It's data from the
22 | National Disease and Therapeutic Index. I want to point
23 | out on that table that products with an asterisk next to
24 | the name are those that have been on the market less than
25 | five years, and you can see that there are very few of them.

1 I'm not going to actually show you the data up
2 here this morning, but I do have these tables as overheads
3 if you find, when you're in your discussions, that you want
4 to have the data shown so that you can talk about it.

5 If you do think that inadvertent exposures are
6 a concern for us, what criteria should we use in
7 identifying those products most in need of the new
8 labeling? The volume of use in women of reproductive age?
9 The potential harm or toxicity to the fetus? Whether
10 therapy is chronic versus episodic? Maybe the extent the
11 current labeling fails to adequately address inadvertent
12 exposures or perhaps the frequency that teratogen
13 information services are queried about particular products.
14 These are just some of the ideas that we had, and I'm sure
15 that you can come up with others that will be helpful for
16 us.

17 With inadvertent exposures, one group of
18 products that has been suggested to us as an important one
19 for new pregnancy labeling and a group you might want to
20 consider are those products that are currently classified
21 as pregnancy category D. Those are the products whose
22 labeling states: Drug X "can cause fetal harm when
23 administered to a pregnant woman." And that's followed
24 with whatever human data and any pertinent animal data, and
25 concludes with: "If this drug is used during pregnancy or

1 | if the patient becomes pregnant while taking this drug, the
2 | patient should be apprised of the potential hazard to the
3 | fetus."

4 | There are not that many category D products.
5 | When we searched the online PDR, we came up with a list of
6 | 97, and you have that list of products also in your
7 | background materials.

8 | In addition to category D products, you might
9 | also want to consider category X, whose labeling states
10 | that they're contraindicated in pregnancy.

11 | Pregnant women do take prescription medicines
12 | for therapeutic needs. Should we consider certain of these
13 | products as priority? To give you an idea of the types of
14 | products that are most frequently used in pregnant women,
15 | you can take a look. There are four tables in your
16 | background material from Medicaid and HMO databases. While
17 | the data are relatively old -- I think the most recent is
18 | from 1995 -- they do give you a flavor of what's out there.
19 | It's probably not that much different from what happens
20 | today, given that the newer products are very slow to be
21 | used in pregnant women. I don't believe that any of the
22 | products that are on those four tables were less than five
23 | years old at the time period reflected.

24 | Again, think about the need for information and
25 | the fact that with the basic implementation scheme that it

1 | could be eight years or more before the older products
2 | would be required to update their labeling, if even then.

3 | If you decide that certain needed therapeutics
4 | should be included in an accelerated implementation plan,
5 | then what criteria should we use to identify them? The
6 | diseases or conditions most likely to require drug therapy
7 | in pregnant women or perhaps the products that are used
8 | most frequently during pregnancy?

9 | Should we consider will changing the labeling
10 | modify clinical practice? Old products are more likely to
11 | be used in pregnancy. Will providing an updated labeling
12 | change that at all?

13 | Perhaps we should give consideration to the
14 | extent that good information is available that is not in
15 | the labeling. We've been told before that for products
16 | routinely used during pregnancy, that there are already
17 | resources out there that provide prescribers with the
18 | information that they need, and so, therefore, we should
19 | focus our efforts on those products that are likely to have
20 | inadvertent exposures and have no information available.

21 | I'm sure you all can come up with other ideas
22 | for discussion as well.

23 | As you develop the criteria that we can use to
24 | identify priority products for accelerated implementation,
25 | if at all possible, please provide us also with some

1 suggestions on how we can actually use the criteria to
2 identify the specific products that meet the criteria.

3 Just as a reminder, Sandy has already told you,
4 we aren't interested in your developing a list of products
5 for us. While examples of products will foster your
6 discussion, what we are most interested in is a set of
7 critical factors that make a particular product a priority
8 or not in your mind. Those criteria are what we'd like to
9 walk away with today.

10 Thanks.

11 DR. GREENE: Thank you.

12 Questions?

13 MS. CONOVER: Yes. When I was thinking about
14 things ahead of time, I have a couple questions just about
15 what kinds of agents fall under this regulation. So, for
16 example, are things that are over the counter under this?
17 And there are drugs that are prescribed and over the
18 counter, like ranitidine or something like that, that are
19 frequently used by pregnant women, and then also things
20 like vaccinations. For example, influenza vaccine is
21 something we get asked about all the time. Is that
22 something that's included in this?

23 DR. KWEDER: Most of the new regulations that
24 come out of the agency that affect drugs affect biologics
25 as well. So, a vaccine would be covered for the most part.

1 The over-the-counter products are a little
2 difficult. There are a couple of ways that over-the-
3 counter products get that way. As a general rule, over-
4 the-counter products like antacids and that sort of thing
5 would not be affected by a new rule. Products that might
6 be affected are over-the-counter products that also have
7 prescription forms. They have NDAs.

8 Ranitidine is not over the counter in this
9 country. It is in Canada and most other countries in the
10 world, but it's not over the counter here. No. Actually
11 it is. I'm thinking of omeprazole. I'm sorry. And
12 Claritin. But ranitidine would be affected, yes. The
13 nonsteroidal anti-inflammatories that have NDAs that were
14 prescription first would be affected.

15 We would have to work to sort out how to
16 translate whatever this was into the over-the-counter
17 labeling because over-the-counter labeling, as you know, is
18 a lot different than prescription drug labeling. A lot
19 different. But they could potentially be affected.
20 Certainly the prescription versions of them would be.

21 MS. CONOVER: And one more question. What
22 about dextromethorphan, which we always argue about amongst
23 ourselves even? Drugs that aren't proprietary anymore.

24 DR. KWEDER: Generics.

25 MS. CONOVER: Generics.

1 DR. KWEDER: That's one of the reasons that
2 regulations that affect labeling often give longer periods
3 of time for products that are very old. One of the reasons
4 for that is that it's a much bigger burden for a generic
5 drug company to have to revise labeling. They're not set
6 up to do that. They're manufacturing houses and they don't
7 typically have the resources or medical expertise to comply
8 with these kinds of changes easily. It can be done, but it
9 can be tough.

10 If you think about generic companies, there are
11 many of them. How many companies make your favorite pain
12 reliever? There are lots. And all those labels have to be
13 the same. So, getting all that organized, working with the
14 generic companies, and even on the part of the FDA, that's
15 a lot of work, that most people don't think of, but it's
16 substantial.

17 MS. KENNEDY: I just wanted to clarify
18 something that Sandy had mentioned about the over-the-
19 counter products and the labeling. I just want to make
20 sure that everybody knows that if the product is over the
21 counter and has an NDA, a prescription form, that that
22 labeling is what would conform with what we're talking
23 about. The labeling that would go actually with the over-
24 the-counter product would not be in the format that we're
25 talking about, but it would be some subset of what's

1 contained in the official labeling.

2 DR. KOREN: Preparing for these questions, we
3 are counseling mothers, 200 women a day, and we follow them
4 up. So, we have a lot of input in what bothers women. So,
5 clearly I think the list Dee showed is very exhaustive, and
6 the criteria, as you showed, cover anyone one thinks. But
7 clearly you cannot throw this because this means
8 everything. So, you need to be more specific.

9 One suggestion is to use knowledge and
10 experience as it comes to see where the need is the
11 greatest, and I'll give a couple of examples. Yes, one
12 approach is the most common things. Common things bother
13 women and high levels of anxiety when women find out. They
14 didn't plan the pregnancy and so on, and we are aware of
15 this.

16 But then as Beth said, I'll give an example.
17 Dextromethorphan out of the blue became an issue two years
18 ago when someone took a chick embryo and found out some
19 change in some brain receptor. All the news media in North
20 America quoted that scientist saying, I wouldn't give it to
21 any woman and so forth. So, here is an example of an area
22 of a very old generic drug that became an issue, and we
23 get many calls. Women are even considering terminating
24 pregnancy because they took it.

25 So, I give you an example, within the huge

1 umbrella of generic, old drugs, of something that became an
2 issue. It would serve for me as an example that the agency
3 may want to consider that this should be addressed with
4 more information before, say, acetaminophen which, by and
5 large, does not seem to be an issue unless it's an
6 overdose.

7 DR. KWEDER: So, Dr. Koren, are you saying that
8 perhaps we need to always ensure that in any implementation
9 plan where there appears to be a public need, the FDA can
10 go beyond criteria and require it, if there's new
11 scientific information that changes the landscape or raises
12 public anxiety?

13 DR. KOREN: I think the main objective of this
14 effort is to ensure that women get better service and
15 better health, and their needs should be addressed by their
16 concerns. And the concerns are huge when misinformation,
17 for example, enters the market, as often is the case.

18 So, out of the large group of commonly used
19 products, I would try to use wisdom to choose those that
20 are really an issue, either because of misinformation or
21 the message is complex, for example, NSAIDs. NSAIDs in the
22 first and second trimester are probably not at an increased
23 risk, but in the third trimester with ductus arteriosus,
24 they are. So, the message is a little bit more complex,
25 and one has to address it in more information, using the

1 up-to-date counseling methods we have developed over the
2 last 10-20 years.

3 It goes to drugs that women need. I'll give
4 another example, not of a particular drug, but
5 antidepressants. Many women stop cold turkey their
6 antidepressants, ending up with suicide attempts, with
7 hospitalization, and so on because someone told them that
8 the label at the present time is not informative. The
9 label at the present time says we don't have data even when
10 there is data.

11 I won't try to be too specific, but fluoxetine
12 is the example. The product monograph still says there is
13 no information. It's not just there is information.
14 There's even meta-analysis and neurodevelopmental studies,
15 but nothing of that is now in the product monograph to help
16 thousands of physicians in America to counsel women.

17 So, again, I would be more specific to identify
18 areas where lack of information has really put women at
19 risk or suboptimal therapy. So, for example, for me
20 antidepressants would be before insulin or before diabetes
21 where there are very rigorous protocols among
22 perinatologists and obstetricians. Antihypertensives
23 probably should be up high because we have several
24 teratogens among them and then there are those that are not
25 clear. The data is not yet clear.

1 So, I guess the criteria you gave, Dee, are
2 good, but they are very large. I'm sure that the agency
3 cannot deal with all what is there. So, within these two,
4 the most common ones and the most needed ones I would use
5 another level of wisdom to choose those that are really a
6 problem, and that can be done using what's published.
7 There's the Organization of Teratology Information Services
8 which serves in America and Canada millions of women every
9 year. Then there's, of course, the whole academic OBG and
10 subspecialties to identify areas, because otherwise it will
11 be an implementation you cannot implement. It will be to
12 do everything.

13 So, this is kind of my input into it. To focus
14 on these two areas and the places where there's the most
15 impact on a woman's life.

16 DR. GREENE: One point I'll just make that Dr.
17 Koren brings up is one that's been made in this forum
18 before, and that is the problem of updating labels. As
19 information becomes available, there doesn't seem to be a
20 requirement or a good way to update labels. Your
21 fluoxetine example is a good one.

22 Yes, Dr. Wisner.

23 DR. WISNER: I think my initial thought was
24 more as a clinician. What I really would like to see is
25 much more and better information about the category D

1 | drugs, as Dee mentioned. Yet, if I think about
2 | implementation, to me it seems like selecting those drugs
3 | may be somewhat of a setup in that you then select perhaps
4 | the most complicated set of drugs to apply the
5 | implementation strategy to. Perhaps if I say, well, I'm
6 | just thinking about the implementation, I might select a
7 | range of drugs amongst the current system so that the
8 | actual implementation of the new design could be done
9 | across a variety of drugs, and the learning process of
10 | doing that for this initial set could then be better
11 | applied. I'm just worried about selecting the most
12 | complicated drugs to start a new implementation plan with.

13 | MS. CONOVER: Actually in teratology sometimes
14 | it's easier to prove risk than to prove safety. Some of
15 | the D drugs in certain ways are easier for us to handle.

16 | DR. FRIEDMAN: I'd like to make a comment and
17 | then ask a couple of brief questions. I also urge you to
18 | put the category X drugs right near the top because many of
19 | those are seriously misleading when seen in the context of
20 | inadvertent use. So, they may be contraindicated in
21 | pregnancy, but some women will, nevertheless, take them and
22 | then will think that they're just a disaster for the fetus
23 | when there may be a risk that's not so great. And I think
24 | that needs to be clarified.

25 | My questions have to do with two comments that

1 | Dee made. One is you said twice that there are some drugs
2 | that might not be done, and it seems to me that that would
3 | be a terrible situation just exactly for the
4 | dextromethorphan kind of thing. Unanticipated things
5 | happen and if there's still misleading labeling on some of
6 | the drugs, we're going to get ourselves in trouble. So, I
7 | wouldn't exclude anything. If it's not used in pregnancy,
8 | I would just make a statement that says that this drug
9 | which is for prosthetic hypertrophy is not used in
10 | pregnancy.

11 | You asked about accelerated labeling. Are you
12 | really talking about acceleration in the sense that there
13 | would be a diversion of resources to get some things done
14 | quickly, or are you talking about changing the way that
15 | these things are ranked from eight years to seven years?

16 | MS. KENNEDY: We're basically talking about
17 | moving them up. If you look at the older products, they
18 | would all fall at the end or in eight years or so. If
19 | there's some that that's not acceptable, then we would move
20 | them up so that the companies would have to have that
21 | labeling modified within a year or so.

22 | DR. FRIEDMAN: But does the implementation plan
23 | need to be based on how long it has been since approval?
24 | Or could it be based on completely different criteria, such
25 | as frequency of use or category D or X or something else?

1 MS. KENNEDY: That's what we're asking your
2 help on. There will be a basic plan in place that is based
3 upon length of time on the market, but we can pull a
4 certain limited number of products out of that scheme and
5 move them up so that they would have to have their labeling
6 revamped before they would have been required based upon
7 the time that they're on the market.

8 DR. FRIEDMAN: Why does it need to be based on
9 time on the market?

10 MS. KENNEDY: It's out of our control, that
11 part of it. It has to do with what Sandy was talking
12 about, about revamping the entire format of the labeling.

13 DR. KWEDER: Well, in addition, if you just
14 think about the universe of all drugs, there are thousands
15 of them. Some of them don't even have labels. When the
16 FDA requirements for demonstrating efficacy came into
17 being, some of those drugs were just grandfathered in as
18 generally considered safe and effective, GRAS and GRAE.
19 They don't have labels or they don't have labels in the way
20 that we know them. So, just saying that all drugs have to
21 do this is an impossible situation.

22 The agency has historically, whenever they've
23 applied a new regulation to all drugs and biologics, for
24 example, used this kind of an implementation schedule based
25 on length on the market for a number of reasons. One is

1 | that they're hard criteria. They're easy to measure. If
2 | you try to base an entire implementation plan on something
3 | like how often a drug is used in pregnancy -- let's just
4 | pick that -- then you get into the question of, well, how
5 | do we know how often a drug is used in pregnancy? Based on
6 | what data, whose source? And you get into this back and
7 | forth and quibbling. Oh, no, my drug is here, not here.
8 | No one ever uses our drug. Well, maybe they do, but not in
9 | our data source. Maybe in their data source. Well,
10 | they're wrong. And it's a no-win situation. We can do
11 | that sort of thing for a limited number of products, but to
12 | make that the criteria that applies to all products is
13 | really tough.

14 | We've had some experience with trying to
15 | develop specific lists of products. We've done this for
16 | pediatric labeling. It's very difficult. It's extremely
17 | difficult. You always find products that someone has
18 | forgotten. You missed someone's favorite. You didn't put
19 | it high enough on the list and it's really very difficult.
20 | So, that's the reason that the agency almost always goes
21 | back to using time since approval as the benchmark and then
22 | overlaying on top of that an additional set of
23 | considerations that allows us to consider individual
24 | products on a case-by-case basis.

25 | DR. GREENE: Ms. Chambers, you wanted to get in

1 on the conversation by phone?

2 MS. CHAMBERS: Yes. I don't know if Beth and
3 Gideon would agree, but from the perspective of the
4 teratogen information services, the two guidelines that
5 Sandy and Dee set out seem to apply to the types of calls
6 that we get, and I think it's probably consistent with what
7 clinicians are concerned about.

8 From a public health perspective, we would like
9 to see the labeling or the information that's available to
10 pregnant women be updated for older products that treat
11 chronic conditions that women of reproductive age are
12 likely to have. Categories like antidepressants and other
13 psychotherapeutic drugs, asthma drugs, and hypertensive
14 agents might be three areas that there's probably a high
15 volume of use among pregnant women, and it's many times a
16 situation where the woman would like to or needs to
17 continue to use the drug during pregnancy. So, from a
18 public health perspective, those would be important
19 categories to move to the top.

20 Now, those overlap I think with some category D
21 products, which when you look at this, the category D
22 product list doesn't make any sense at all because there
23 are classifications of drugs on here. For instance,
24 valproic acid in a variety of forms is on here, Mebaral,
25 and I think chewable Tegretol tablets. But there are other

1 forms of anticonvulsants that aren't on the list. So, to
2 just stick by a category D or X list probably doesn't make
3 sense.

4 And there are probably many drugs on this list
5 that are unlikely to ever be used by a pregnant woman.
6 When you look at benzodiazepines, I think Klonopin is on
7 here and Ativan by injection, but nothing else.

8 So, to judiciously go through the category D
9 list and pick out those drugs that might likely be used by
10 pregnant women and also add to that drugs that fit into
11 that same category I think would do a lot to prioritize
12 drugs that either might occur in an inadvertent exposure
13 and raise anxiety because of the category D label or also
14 might be chronic type use drugs that would fall into the
15 public health concern area.

16 Then the thing that Jan brought up about
17 category X, I think that's really important. There are few
18 drugs that fall into that, but there are few drugs that
19 fall into that category because there's any data to suggest
20 that they're human teratogens. So, I think category X
21 drugs should definitely be prioritized to the front of the
22 line.

23 DR. GREENE: Dr. Wier?

24 DR. WIER: Like Dr. Koren, I got the impression
25 from the slides that the ascendant criterion was appearing

1 to be based on preponderance of use, whether it be or
2 unintentional. I was thinking to myself what would add the
3 most value was those cases where the label is going to be
4 most different. Looking at it that way, what we should
5 focus on are cases where the current label information is
6 perceived to be unclear or misleading potentially.
7 Obviously, you can look at those labels and say, boy, I
8 could do a better job than that, so those ought to be a
9 target.

10 Another is where there is substantial new
11 information. Obviously that will change the content of the
12 label substantially. To a certain extent, those may not be
13 the drugs with the greatest preponderance of use, but that
14 may be where we have the most impact on the label.

15 I looked at one of the lists of most frequently
16 prescribed drugs in pregnancy that were distributed ahead
17 of the meeting. It was interesting to note that in one
18 list over half of the top 20 drugs have substantial amounts
19 of human data. For example, if you look at the Michigan
20 Medicaid Project, over half of those drugs have something
21 like 1,000 or more newborns with first trimester exposure
22 recorded and some assessment of outcome. Over half of
23 those drugs are old enough to have been studied in the
24 Collaborative Perinatal Project.

25 So, I think to a certain extent, if you look at

1 the drugs with the greatest preponderance, you might miss
2 the target again because there may be more knowledge in
3 practice about those drugs through familiarity, and what we
4 really should be thinking about is the ones with maybe a
5 little bit less preponderance but more potential to change
6 the label.

7 DR. GREENE: I'd like to hear from Dr. Kweder
8 and the people at the FDA whether lack of clarity of the
9 label is going to be an easier criterion to enforce than
10 frequency of use.

11 (Laughter.)

12 DR. KWEDER: I think we're both sitting here
13 thinking how are we going to do that.

14 I have to tell you I just had a discussion with
15 one of my staff the other day about a label. It was a new
16 label that I really liked. I thought it was great, and he
17 thought it was the worst label he had ever read. It was
18 absolutely awful. So, we do run into that. That's
19 something that we have to contend with because we need to
20 not be arbitrary.

21 I actually made a note to myself that these are
22 some of the kinds of things that will take a lot of
23 resources on our part to really sit and look at individual
24 product labels and work with outside groups to get their
25 impressions as well.

1 DR. GREENE: Dr. Koren?

2 DR. KOREN: I agree. I think we have now the
3 advantage that there are about 50 organizations that are
4 dealing with the public in explaining that information.
5 So, I agree with you. I think the agency should work with
6 the OTIS members that do this because we do it every day.

7 And I agree with Patrick that this is one way
8 to go, areas that there will be an impact rather than just
9 the numbers.

10 To add to what Tina said, the category D is
11 misleading on another level. Many of them are anticancer
12 drugs naturally, and there's no proof that in the third
13 trimester they should not be used. Oftentimes women may
14 actually put their lives at danger by not being treated for
15 cancer because of misinformation. In the third trimester
16 you cannot do fetal -- it can affect brain development, of
17 course. But here is an example where this is very
18 ambiguous. It affects very small numbers, but even as it
19 is, it's ambiguous. So, one may want to deal with it, but
20 these are very small numbers too. One needs to think
21 whether it's worth it in your implementation, that is.

22 DR. GREENE: We need to take just one minute or
23 more. It's about 11 o'clock, and on our program, this is
24 the time when the hearing is open to comments from the
25 public. Now, no one has registered, to the best of my

1 | knowledge, to speak and requested an opportunity to speak
2 | before the committee. But there is an opportunity for
3 | members of the public to speak before the committee without
4 | notice, and this is your chance to speak now or forever
5 | hold your peace. If there is anyone who would like to
6 | speak, I'm also asked to remind them that they need to
7 | disclose any potential duality of interest or conflict of
8 | interest. Any public comments?

9 | (No response.)

10 | DR. GREENE: Then we can continue with our
11 | discussions then, please.

12 | MS. CONOVER: Actually I have a question. Now,
13 | we've been talking about the issues of setting up
14 | registries. Is mandating registries, or however we're
15 | going to phrase that, linked to the new labeling process?
16 | In other words, sort of behind this is getting back to
17 | Pat's comment, which is if we have no new information and
18 | no human information, you can make someone change their
19 | label, but it won't be helpful; whereas, if you are not
20 | asking people to start to gather that human information
21 | until they have to do a new label, then that might give us
22 | a different group. Do you know what I mean? It's almost
23 | like we want to mandate that registry process through
24 | asking them to do a new label.

25 | DR. KWEDER: If I understand what you're

1 asking, you're asking is there a way to somehow through the
2 labeling rule process encourage registries to be conducted.

3 MS. CONOVER: Well, there is a whole group of
4 drugs that we have human data on that are not currently put
5 on the label. Then there are many drugs, like Zofran, that
6 I would personally like to know human information on that
7 there's not a registry, there's not information being
8 gathered on. So, I'm wondering if I put Zofran at the top
9 of my list and said I want a new label on Zofran, would
10 this mandate them starting to gather that human
11 information?

12 DR. KWEDER: At this point that's not a
13 framework we're thinking about. One way to look at it from
14 a different direction, any company that's in the process of
15 collecting that kind of information is probably going to be
16 the kind of company that would automatically be more
17 motivated to change their label anyway. But the other way
18 around really gets to the issue of how does one require a
19 company to collect such data, and that's a much more
20 difficult question and probably beyond the scope of today's
21 discussion.

22 MS. KENNEDY: One thing that will help in this
23 regard in the future, another proposed rule that's in the
24 making is for postmarketing surveillance, and we're
25 harmonizing things internationally. The companies will be

1 required to evaluate the positive and negative effects of
2 drug use in pregnancy.

3 MS. CONOVER: On new drugs.

4 MS. KENNEDY: Across the board.

5 And then with our proposed rule, we will say,
6 you shall take whatever information you have available and
7 update your labeling or let us know why you're not doing
8 it. So, they're all kind of tied together.

9 DR. GREENE: Dr. Wisner?

10 DR. WISNER: If I think about my field
11 specifically, say, psychiatry, and follow up on the points
12 about the impact, the labeling that I think would create a
13 great impact are the labels that have to do with the drugs
14 that we use to treat bipolar disorder like lithium and
15 anticonvulsants. In fact, anticonvulsants are now used by
16 psychiatrists as much or more than neurologists to treat
17 this illness, and it's not an illness that we have other
18 alternative treatments for.

19 The other issue is that I think in our field
20 there have been a number of prominent reviews in well-read
21 journals about use of antidepressants in pregnancy, and
22 that presents at this point less of a problem because the
23 literature has kind of picked up that information piece
24 independent of the labeling.

25 So, when I was talking about category D drugs,

1 | although it's very clear that some of the drugs I'm talking
2 | about belong in a number of different categories, it's
3 | those agents that I think would create the greatest impact
4 | as far as helping physicians work with women to make the
5 | best choices possible.

6 | The other issue is we don't have alternative
7 | treatments. For depression, at least we have other
8 | modalities like psychotherapies and light therapy and other
9 | treatments, where we just don't for bipolar disorder.

10 | The second area that I get a lot of calls about
11 | is smoking cessation from women who want to stop smoking in
12 | preparation for a pregnancy, but they are more or less
13 | actively trying to become pregnant anyway. So, questions
14 | about bupropion which is one of the agents or the patches
15 | also might make an impact and might be helpful in terms of
16 | weighing smoking and all its exposures versus these other
17 | anti-smoking agents.

18 | DR. GREENE: Dr. Koren?

19 | DR. KOREN: With the risk of being more
20 | specific, one condition which is not chronic, but it's
21 | pregnancy induced is nausea and vomiting in pregnancy. FDA
22 | does not have any approved drug on the market, although
23 | there is Bendectin which was never disapproved but was
24 | taken off the market. At the present time, American women
25 | take a course of different medications for this. Most of

1 | them on the label say, don't take in pregnancy. So, there
2 | is a huge clash here between practice and what labels say,
3 | which is a huge medical/legal tension and many other
4 | tensions produced.

5 | The rate of hospitalization of American women
6 | for morning sickness tripled after Bendectin was removed.
7 | In Canada when Bendectin in another name came back, the
8 | rates come down.

9 | So, here's an example of a high impact, if you
10 | wish, that the group may want to consider as something that
11 | should be put forward. Although it's not life-threatening
12 | and it's not chronic, it may be throughout pregnancy.

13 | The list of medications used by American women
14 | is about 15 or 20. We just had a paper published on that,
15 | and I can share that with you. But basically any
16 | antiemetic is used, and I believe that physicians and women
17 | and their families need more support on what's known.

18 | For example, we know a lot about the
19 | antihistamines. There are even meta-analyses of them in
20 | pregnancy but none of them is in the product monograph.

21 | DR. GREENE: Dr. Friedman.

22 | DR. FRIEDMAN: The issue of their being
23 | information out in the literature that provides guidance to
24 | physicians that differs from the labels has been raised a
25 | couple of times this morning and is something that concerns

1 | me. It seems to me that this doesn't provide a reason not
2 | to revise the labels. In fact, it provides a reason to
3 | revise the labels because when people get conflicting
4 | information from the literature, from reviews, from meta-
5 | analysis, from textbooks, and then they go and they read
6 | the FDA label and it says something different, it really
7 | can cause a great deal of anxiety both among patients and
8 | among physicians.

9 | DR. GREENE: Dr. Andrews?

10 | DR. ANDREWS: Really I have a couple of
11 | comments and really a question for clarification. In an
12 | overall framework, I would be inclined to give priority to
13 | something that translates to public health impact, which
14 | would include frequency of use and chronicity of use and
15 | also the extent to which information is available and that
16 | a substantial change in the label would make an impact.

17 | That leads to the question about what these
18 | rules are likely to look like when published. I'm a very
19 | practical person and I like to have a sense of how these
20 | will be translated into action in terms of the negotiations
21 | that will occur between the agency and the sponsor because
22 | it's easy to assume that there's a substantial body of
23 | information that could be put into the label, but sometimes
24 | it becomes very difficult to translate that information
25 | into actual language in the label. So, I'd like to have

1 | some confidence that we'll be able to actually make that
2 | happen before spending a lot of effort in trying to make it
3 | happen and end up with labels that are only marginally more
4 | informative than they are now.

5 | DR. KWEDER: Actually I'd like you to expand on
6 | that. Can you just give us a hypothetical because I'm not
7 | sure everybody else at the table really follows what you're
8 | saying?

9 | DR. ANDREWS: Well, I can imagine a scenario in
10 | which the medical reviewer at the Food and Drug
11 | Administration is looking at the gold standard of clinical
12 | trials and insisting that the only data that go into the
13 | pregnancy section of the label come from randomized,
14 | controlled clinical trials, which we know are not likely to
15 | happen. I can also imagine that companies tend to be very
16 | conservative in what goes into a label. So, the two forces
17 | might conspire to provide a label that's based on what's
18 | considered very, very solid information that doesn't look
19 | exactly like the practical information that we know is
20 | really needed for consultation and clinical decision
21 | making.

22 | DR. GREENE: I'm not sure how that is going to
23 | really change from the current situation or how the new
24 | requirement is going to make that more difficult than it is
25 | at the moment.

1 DR. KWEDER: I don't think it will make it more
2 difficult. I think Elizabeth is right. It will put all of
3 this stuff right out on the table. We encounter this all
4 the time. It's one of the reasons that under the current
5 labeling system, there aren't too many category B's because
6 the gold standard at the agency has historically been
7 randomized, controlled clinical trials.

8 This is a really hard rule to write, and in
9 addition to the rule, the agency is going to have to have a
10 companion document, a guidance document, that will be used
11 by the industry and our own reviewers that tackles some of
12 these issues and really just lays it out there, that we are
13 not likely to find randomized, controlled trials in this
14 area of medicine and describes what constitutes reasonable
15 data to consider.

16 That's very, very hard to do and on our part
17 requires a culture change that won't happen overnight. So,
18 I recognize that and that's one of the reasons why we want
19 to hear from you about what are the kinds of things that
20 you're concerned about, what are the kinds of products that
21 you're concerned about so that we can take that back and
22 try to incorporate those things and prevent just a
23 stalemate and something that really isn't much better than
24 what we already have.

25 DR. GREENE: Dr. Koren?

1 DR. KOREN: I think Elizabeth brought up the
2 most crucial point, the methodological type of evidence and
3 how this is solid. But let's not forget and the agency
4 needs to discuss that too, that there have been advances in
5 that too. In several New England papers just two months
6 ago, face to face RCTs versus observational studies. And
7 we have a paper, I believe the first to do it in pregnancy
8 in an area where RCTs happen such as the antihypertensives.
9 So, the area is moving. Even that area is moving in a way
10 that the agency needs to know. It is not fair to say that
11 there is no data in the observational studies and so on.
12 It's just not true and oftentimes it's not even different
13 as both the New England papers show and we show with the
14 ADRs or antihypertensives in pregnancy.

15 I am fully aware and sensitive myself to the
16 medical/legal situation of companies which, of course,
17 needs to be addressed. So, even if a company shows all the
18 data accumulated now, there may be a concern that that may
19 be construed as if they support the use of that product,
20 and that's where the tension is and that's something we
21 cannot ignore. I know this is one of your biggest tasks.
22 I don't think it affects so much the implementation because
23 any model that you would come up with for a new labeling
24 would need an implementation program.

25 Just to be more practical now, how are you

1 going to identify it? Maybe one way is to produce a master
2 list and then to have organizations and academic and
3 consumers and others rank them to get, as you say, the
4 universe of response. Rather than just two agency people,
5 one ivory tower, bald individual in a university, I would
6 say try to get all of this and get a group of people to --

7 DR. KWEDER: We did do something a little bit
8 different. Actually a couple of years ago, Marietta
9 Anthony, who I think is in the audience, was with our
10 Office or Women's Health and is now at Georgetown, sent
11 letters to a number of organizations and individuals asking
12 them how they would prioritize products, what products they
13 thought were important, and if the label changed, how would
14 they prioritize it, just to begin thinking about what the
15 scope of our task was.

16 We decided not to share any of that with you,
17 the responses we got, because they were all over the map.
18 It depended on who you asked. Everybody had their pet
19 peeve category of label. If you asked the pediatricians,
20 you could really see that it was things where they saw the
21 mothers. There were many lactation issues. It was all
22 over the place, and it really wasn't all that helpful.

23 That's what made us realize the problem here is
24 trying to create an exhaustive list. What we need is to
25 define what are the criteria for products to be on any list.

1 DR. GREENE: Dr. Dattel?

2 DR. DATTEL: As usual, I have a little of a
3 dissenting opinion. I had some thoughts prior to coming as
4 well, and I agree very much with everything that has been
5 said here. But in a more practical sense, you have to have
6 as an organization to be able to defend why you're doing
7 things in a certain way.

8 To be honest with you, in going through these
9 list, for the things that there's a lot of controversy and
10 for the things that are used in critically ill women, most
11 of those patients are not being seen by the people who are
12 generally prescribing these other drugs. So, they're being
13 seen by specialists and they're being seen by people who
14 actually know that you can use cancer drugs in the third
15 trimester and that you can treat people with seizures. So,
16 they probably to me would be less of a priority.

17 Actually what's more of a priority are all the
18 other drugs that are being prescribed by every ambulatory
19 care center, doc-in-the-box, whatever you want to talk
20 about, family medicine people who don't know that you can
21 use cytoxan for breast cancer in the third trimester
22 because they're not going to take care of that patient.
23 And we are and we know that.

24 So, I would say the best way to approach it
25 would be to take the most commonly used exposures that

1 | people have that are being prescribed by non-specialists
2 | who don't know any better necessarily about these esoteric
3 | issues and focus on those as making the largest impact.
4 | And that also allows you to defend your criteria for moving
5 | things up that have been on the market, like ampicillin,
6 | for eons and saying you've got to change its label because
7 | every family practitioner in the world is giving ampicillin
8 | for ear infections.

9 | So, to me that makes more sense and allows you
10 | to have a defensible position, although I agree with
11 | everything that's been said here. Absolutely. I'm just
12 | thinking in a very practical sense. The people who need to
13 | know are the ones who are giving 14 percent of women
14 | antibiotics that are okay, and you shouldn't use Levaquin,
15 | which I'm standing in the middle of the intensive care unit
16 | telling interns not to do the other day. So, that's the
17 | type of thing and that's why they call me to see that
18 | person.

19 | So, from my perspective, the generalized drugs
20 | that are most commonly used would be the ones that I would
21 | focus on, and you can triage them with some of these other
22 | issues. That's my two cents.

23 | DR. GREENE: Ms. Chambers, did you have a
24 | comment?

25 | MS. CHAMBERS: No, but I can give one.

1 (Laughter.)

2 MS. CHAMBERS: In listening to what you're
3 saying, I think that it makes sense to think that the
4 specialists who's treating a woman for a chronic condition
5 with psychotherapeutic drugs or a medication for a seizure
6 disorder would be knowledgeable about the medications or
7 have access to reviews in the literature and not rely on
8 the label. Yet, pregnant women I think who do read the
9 label pay attention to that information independently of
10 what their physicians are telling them.

11 So, I think it does have an impact on a woman's
12 perspective on what's going on with her pregnancy, and to
13 have it be inconsistent with what the neurologist hopefully
14 is telling his or her patient or the psychiatrist is
15 hopefully telling his or her patient I think is an issue
16 and I think that those drugs should be prioritized at the
17 top even though a family practitioner may not be the one
18 who's prescribing them.

19 DR. GREENE: Dr. Holmes, did you have --

20 DR. HOLMES: No. I think really the comments
21 everybody else already made cover it.

22 DR. GREENE: Dr. Wisner?

23 DR. WISNER: Thinking about this implementation
24 process and thinking if I were on the receiving end and
25 having to make up new labels for these agents, I would be

1 fairly anxious. The thought that came to mind is some kind
2 of initial pilot project where perhaps some of the criteria
3 that has been defined, a drug as an example of that
4 criterion could be selected, like say a category X drug,
5 and then develop a model for each of these criteria for a
6 specific drug and then have perhaps another meeting to get
7 feedback about that pilot data so that there are models
8 that are developed and the initial problems in applying the
9 new labeling are ironed out up front before the wider group
10 of drugs needs to be accommodated to the new labeling.

11 DR. KWEDER: The rulemaking process actually
12 does allow for some of that. Typically anything that's
13 going to be as widely implemented as something like this
14 requires that when you publish a rule, that it be a
15 proposed rule to give companies time to do that, to try and
16 apply the rule to their own situation and then give the
17 agency feedback on whether or not they think they're going
18 to be able to comply with this, what are the elements that
19 will work, what are the elements that are problematic, and
20 then give us comments back and allow us to modify the rule
21 and the implementation plan. Oftentimes we will
22 specifically seek comment on the implementation plan. So,
23 that is built into this.

24 DR. WISNER: I guess what I'm wondering, Sandy,
25 is whether there is almost a partnership between the agency

1 and the company so that the first drugs that are looked at
2 are actually done jointly and a model that can be more
3 widely applied is developed. That's kind of what I
4 understood you to say.

5 DR. KWEDER: That's not exactly what I said,
6 but I think one of the things that we often do in
7 situations like this is we look for companies who are
8 interested in doing this -- and there will be some who will
9 be interested in doing this -- and try to work with them
10 together, as we get closer to the end, to do some of that.

11 DR. GREENE: Dr. Koren?

12 DR. KOREN: I agree. I think you brought in an
13 interesting point of view, but do remember -- at least in
14 my experience -- many women, although seen by a specialist,
15 say a psychiatrist who wants to put them on a medication,
16 may not see them for a year or two. Oftentimes pregnancy
17 happens in the meantime. So, I agree, as Tina said, the
18 woman will read the label or will go to a family physician
19 in areas where there are family physicians. So, I don't
20 think it's fair to assume that all will be an informed
21 group of specialists. There's a huge hiatus and black
22 holes between when women see specialists.

23 DR. DATTEL: I agree with that. I'm just
24 saying you have to have an implementation plan and you have
25 to be able to defend why you're choosing certain criteria.

1 It would seem to me that if you had to prioritize, use the
2 things that are most commonly used with some of these other
3 issues taken as caveats. but you have to be able to defend
4 -- I don't know who the companies are -- to somebody why
5 you've had a drug that's been out for 22 years and now you
6 have to change your label. And you say, well, this is one
7 of the most commonly used drugs and everybody who has a
8 commonly used drug is doing that. I don't envy the task in
9 terms of the organizations that have to be worked with.

10 But I agree with that, and not everybody is
11 equally informed and women do read the labels. I agree
12 with all of those issues, but in terms of starting
13 someplace, I think that's --

14 DR. GREENE: Dr. Wier?

15 DR. WIER: Since floating this suggestion of
16 impact, the resonance seems to be a lack of comfort on how
17 to be quantitative in assessing that. Perhaps that's one
18 of the reasons that we tend to revert to preponderance of
19 use because there's a number there. It's out there. You
20 can grab it. So, to the extent that the agency has the
21 time and funding available to do it, I think we should make
22 some practical suggestions on how they could potentially
23 have a semi-quantitative indication of the impact that
24 could be gained with changing particular labels.

25 I think that that could be accomplished with

1 certain survey methods. To be quantitative about it, there
2 could be information in organizations like OTIS because a
3 certain number of their calls are coming because people are
4 reading something saying this is not clear. So, I think
5 there is quantitative information to be had there beyond
6 the nature of surveys that may have been done in the past
7 and people were just sort of openly saying, well, the whole
8 thing is a mess and it wasn't really helping you rank out
9 individual compounds. So, other sources of information,
10 perhaps another survey design.

11 In that regard, I don't think we should go into
12 it and say, well, we should weigh greater the clarity
13 perception by experts versus general practitioners versus
14 laypersons. They all have to be taken into account.

15 The other portion of the impact score may
16 relate to the degree of new information. There too there
17 are quantitative measures possible. You can make this
18 based on the number of papers that have been published in
19 the last 10 years on a particular drug related to safety in
20 pregnancy. They can be both preclinical as well as
21 clinical papers.

22 So, I think there is a way to become more
23 quantitative in deriving the sort of impact factor that you
24 could use in conjunction with the readily available
25 quantitative numbers on preponderance of use.

1 MS. CONOVER: Dr. Friedman is not tooting his
2 own horn, but TERIS, which is one of the databases we use,
3 had to decide a long time ago what kind of data they were
4 going to include in their agent summaries both on human and
5 animal data and made some rules and sometimes they bend the
6 rules, but obviously went through a process. So, there are
7 examples of that already out there in terms of what kind of
8 information was acceptable or reliable for use.

9 DR. FRIEDMAN: Unfortunately, it's not
10 quantitative information. It's based on judgment.

11 I'm a little concerned about a complex process
12 for prioritization that might slow down the day when the
13 last of these agents is put in there because I think the
14 bottom line is that every drug on the market needs to have
15 information on safety, and I don't accept the proposition
16 that there are any that don't require information on
17 safety. So, if one goes from that point of view, then it's
18 just a question of time. If we have a process that takes
19 five years to prioritize, requires going out and getting
20 additional data and figuring out how to do this, I think
21 we're going to slow down the day that that last agent gets
22 in there.

23 So, I would prefer a fairly simple process.
24 It's going to be arbitrary. It's going to not include
25 everyone's favorite drug at the top of the list, but a

1 fairly clear, simple process that could be implemented
2 quickly without five years of review before it's put into
3 place and a date at some point in the future when a
4 pregnancy label exists on every drug that's on the market
5 in the United States. This eight years plus. It's the
6 "plus" that bothers me.

7 (Laughter.)

8 MS. CONOVER: Sort of kicking in the last OTIS
9 question, when I made my list of things, kind of the bottom
10 line here, the things I really wanted -- I think what Jan
11 is saying is, of course, we all want them all right away
12 because we've been dealing for years with questions where
13 we didn't have very good answers.

14 So, of course, the points you've made about
15 inadvertent exposures, well, we all suffer over inadvertent
16 exposures where we want reassure the woman but we're not
17 sure that we really can and there's not very good data
18 there and how much is the risk really and she's considering
19 whether to continue the pregnancy. And they're
20 heartbreaking cases. Of course, for all of those drugs we
21 want the answers right away.

22 Then I'm always being asked by family
23 practitioners and obstetricians for a list of safe drugs,
24 using the S word, "safe," but at least maybe first choice
25 drugs would be a good way to say it because we deal in

1 shades of gray. It's a very hard list to derive. But I
2 think a public health perspective would be very good to
3 have, some choices of currently existing first line drugs
4 and maybe some ones you want to add to it. So, I want that
5 too.

6 Then the third group that we really, really,
7 really struggle with are the category C's. Now that we've
8 got D and X --

9 (Laughter.)

10 MS. CONOVER: But I think Bonnie is kind of
11 aiming toward that too. When I look at the ones that I'm
12 really interested in, there's an awful lot of category C's,
13 and category C is a very complicated category to explain to
14 people. They get the idea that B is better and D and X are
15 not as good, and we would all quibble about which drugs
16 ended up there or how they're described.

17 But C is this category which is amorphous where
18 it's either there's not enough data or they're not sure
19 about how to interpret the data or it doesn't agree or
20 whatever. It's very difficult. If you asked me about the
21 ones that I struggle with the most and I think are the most
22 important -- and it is a big category of drugs -- it's the
23 C's which are the ones that clinicians commonly want to
24 use. They want reassurance that this is on the safe list,
25 on the drugs of choice list. There are many good, new

1 | drugs and not even so new. Many of them are 20 years old
2 | that are still in C. We still don't have enough data or
3 | they aren't being moved up because the label is not being
4 | updated or whatever. It's a very, very important group of
5 | drugs and probably one of the most frequent ones. If you
6 | looked at the numbers of exposures, many of the agents are
7 | fitting into the C category.

8 | DR. GREENE: It's approaching 11:30 and we've
9 | had about an hour and a half of general discussion. I'd
10 | like to make sure that we have enough time before noon to
11 | address the specific questions that the FDA has posed and
12 | address them very specifically.

13 | Before I do that, I want to just get one point
14 | of clarification on a question that was asked early in the
15 | session, but I'm not 100 percent clear on the answer
16 | myself, and that is the scope of these proposed regulations
17 | with respect to over-the-counter drugs, biologics,
18 | vaccines, et cetera.

19 | DR. KWEDER: We expect this would apply to
20 | biologics or vaccines.

21 | Let me see if I can clarify the over-the-
22 | counter. For products that have prescription versions,
23 | this would apply to the prescription version. The specific
24 | language or formatting of the label will not apply to over-
25 | the-counter labeling itself, what you see on your Tylenol

1 bottle. We would like to think that ultimately what
2 information is applied to a prescription version of that is
3 going to have to be translated somehow into the OTC
4 version, and that's something we'd be sensitive to, but the
5 rule itself will not apply to that because over-the-counter
6 labeling is a different set of regulations.

7 The origins of product labeling, when we talk
8 about it generally here, is that's for the prescriber,
9 although we know that consumers/patients read it as well.
10 Over-the-counter labeling is never for the prescriber.
11 It's for the end user.

12 DR. GREENE: That actually addresses another
13 point and that is that inevitably, when you have over-the-
14 counter products, there isn't "the learned intermediary" to
15 help the user understand the label. So, I would imagine
16 then that you would anticipate different criteria for the
17 labeling language?

18 DR. KWEDER: Oh, absolutely. We even regulate
19 the size of the font.

20 DR. KOREN: With the risk of being beyond the
21 scope of this, one of the rules that many OTIS members use
22 is that during pregnancy a woman should not self-prescribe.
23 You should have an intermediary because of a plethora of
24 issues that you may not think about when you're not
25 pregnant, such as the NSAIDs in third trimester versus

1 first and second.

2 So, just because you, Michael, brought it up,
3 it may be something the agency should consider whether in a
4 generic way labeling for pregnancy should include a
5 language that will say something about don't self-prescribe
6 in pregnancy. I don't know if you can be as strong. I
7 know for me as a clinician it's easier to throw out these
8 sentences, whereas you have many other domains to look
9 into. But that may do a lot of good to bridge this lack of
10 generic because if you're going to take aspirin, do talk to
11 your health professional.

12 I don't see why this should be a problem to
13 include it. Pregnancy is a special situation, and I don't
14 think it's a bad idea for a woman not to self-prescribe and
15 it may solve a lot of these issues. So, I know it's not
16 directly on point, but it's in the context. It may close
17 the bridge with the nonprescription section here.

18 DR. GREENE: Yes, one last comment.

19 DR. ANDREWS: I know that the agency faces the
20 difficult issue of phasing in new things and dealing with
21 new labeling versus existing old labeling. But I think one
22 thing to consider is indication. For example, if we phase
23 in the new rule based on frequency of use, one could end up
24 with a very confusing situation for the patient and
25 physician. For example, in antidepressants, if we selected

1 only the most frequently used antidepressants, and a
2 patient was trying to compare the label between the new
3 label which will contain significantly more information
4 against a simpler, old label that just uses category B and
5 C, they might draw the wrong conclusion about which would
6 be the drug of choice. So, I guess I would support looking
7 at all drugs within an indication when feasible.

8 DR. GREENE: So, if I could then direct the
9 discussions toward the specific questions, let's start with
10 question number 1, which is posed by the agency. In
11 general, is an accelerated implementation plan for certain
12 high priority products a worthwhile endeavor from a public
13 health perspective?

14 I think it's fair to say from all of the
15 conversation this morning, a simple one-word answer to that
16 would be yes. Any discussion about that?

17 (No response.)

18 DR. GREENE: Let's move on then to question
19 number 2. If so, what criteria should we use to identify
20 or prioritize products? Here I'll just take a minute.

21 The agency has proposed two specific criteria,
22 frequency of use and potential for inadvertent exposure, as
23 criteria. Implicitly in the materials that they
24 distributed, they also suggested that agents for which
25 there is a suspected adverse impact upon pregnancy also be

1 | moved into a priority status by listing, for example, drugs
2 | in category D or category X, as has been suggested. The
3 | implicit suggestion or recommendation there is that a
4 | criterion might also be drugs for which there is a
5 | suspected risk of harm.

6 | Just to summarize a couple of other things that
7 | I heard this morning, the suggestion has been made that
8 | drugs that are used to treat conditions for which there are
9 | not obvious good alternatives might also be a criterion so
10 | that the indication for use and the available alternatives
11 | for use might be a consideration as a criterion.

12 | Then the other idea that has been floated and
13 | discussed is drugs for which there are significant changes
14 | expected for the labels either because the existing label
15 | may not be entirely clear or the data on the existing label
16 | may not be up-to-date and consistent with the recently
17 | available data.

18 | Are there other criteria that we can enunciate
19 | fairly clearly for the FDA? Jan?

20 | DR. FRIEDMAN: I'm afraid that we're getting
21 | into the situation that Gideon mentioned at the beginning
22 | where you've got almost every drug in that high priority
23 | group, which really doesn't help you very much.

24 | I wonder if there's a way that a carrot could
25 | be built into this in the context of what Beth said. It

1 | would be very useful to clinicians if there were a list of
2 | drugs for which there is the most information with respect
3 | to use in pregnancy. If there could be some way that
4 | companies could be encouraged to submit new labels so that
5 | people knew that these were not drugs that were necessarily
6 | better, but at least drugs that there was more information
7 | on and had a clearer label, that that might be of some
8 | benefit to them.

9 | It seems to me that there's a perversity in the
10 | way that labeling occurs now. Some could argue that it's
11 | of benefit not to have, say, a B on your drug because it
12 | might potentially open you up to litigation. If there was
13 | a way that we could change those incentives around so that
14 | companies were rewarded for getting a better label on their
15 | drug and a more up-to-date label on their drug and a
16 | continually updated label on their drug, it would be very
17 | valuable.

18 | DR. KOREN: I'll first answer Jan and then I'll
19 | make my own suggestion for criteria.

20 | Of course, you're talking now as a clinician.
21 | For most drugs, most companies do not want to label them as
22 | drugs of choice. So, we do it in various chapters, reviews
23 | because we are medically/legally in a very different place,
24 | and we are protected by what's the standard of practice,
25 | whereas companies are not. So, I understand why that may

1 not happen as part of the labeling process.

2 But going back to the criteria, I still think
3 if I have to choose one sentence, it should be drugs where
4 changing labeling will have the most impact on women now.
5 Of course, I have heard several interpretations around the
6 table, what will cause this. But for me, this means drugs
7 for which there is much more information, for example.
8 Then women and their physicians can be much more informed.
9 Or drugs for which information is in the gray area, such as
10 again the NSAIDs that at different times have different
11 risks, women need to know about. The antidepressants --
12 and, of course, Kathy did a lot of that work -- where women
13 now stop cold turkey because people tell them there is a
14 risk even if there isn't, and they may endanger their life
15 and certainly their quality of life. So, I'll go around
16 what will have the major impact on women.

17 Of course, the point that was made, Michael, is
18 that you need to have new information. If nothing
19 happened, every normal person will come up still with the
20 same labeling. But it's fair to say that the amount of
21 information now published in the area of maternal/fetal
22 toxicology, teratology is exponentially increasing. So,
23 with the databases of Michigan, I don't think zero
24 information is true for most drugs several years after they
25 enter the market just because 70 percent of women do not

1 | plan pregnancy. It's a matter of time that someone will
2 | write down the first 30 cases of olanzapine or just
3 | anything.

4 | MS. CONOVER: See, we never give you a straight
5 | answer.

6 | But I think we've also been playing around with
7 | the issue of medical conditions that are more common in
8 | pregnancy, even arguably depression, but certainly things
9 | like reflux, nausea and vomiting, certain kinds of
10 | infections, which I think you could give us a really great
11 | list of in terms of things that people dealing with men
12 | don't see nearly as often. So, it's those enhanced
13 | conditions. Nausea and vomiting is such a great example.
14 | It's not that other people don't have nausea and vomiting,
15 | but it's such an issue within pregnancy and so much more
16 | frequent in people who are pregnant.

17 | DR. GREENE: Other thoughts.

18 | DR. KWEDER: I can just comment on the list.
19 | Historically the agency hasn't put together those kinds of
20 | lists, if you're looking to the FDA to do it. One of the
21 | reasons is it involves making direct comparisons. That's
22 | not something, outside of the confines of an individual
23 | application, we have really the regulatory authority or
24 | mandate to do. Typically those sorts of things are done by
25 | other organizations. The NIH does it often with a Public

1 Health Service task force kind of thing. That might be the
2 sort of thing that we could help facilitate, but you would
3 probably never see an FDA list. That would just get us in
4 a lot of trouble.

5 Interestingly, you may have seen such lists.
6 Other countries do it differently, and particularly in
7 Europe it's not uncommon for those kinds of things to come
8 forth from the equivalents of FDA. But they also have a
9 very different culture of what's acceptable to clinicians
10 in practice. Their country's view of the role of the
11 regulatory agency is a little bit different.

12 DR. GREENE: Other thoughts or comments?

13 DR. DATTEL: I was just going to say one thing.
14 I think nobody here at the table wants to see the agency
15 get bogged down in just looking at D's and X's that have
16 absolutely nothing to do with women's health. So, rather
17 than make sweeping generalizations, I think most commonly
18 used, in conjunction with common conditions, or something,
19 that would give you the basis that you would need to defend
20 your position.

21 DR. GREENE: Finally, the third question is how
22 would you suggest identifying specific products that meet
23 these criteria? I think we've pretty much addressed that
24 throughout the morning.

25 Are there other questions that you have for the

1 panel?

2 DR. KWEDER: I've heard a couple of
3 suggestions. Actually Dee mentioned does OTIS keep a list
4 of most common consults, drugs most commonly consulted for.
5 That's one source. How else? Give us some other ideas.
6 Who else tracks this sort of stuff? What other objective
7 sources or not so objective sources are there?

8 DR. KOREN: You furnished us with several lists
9 by several stakeholders that collect such data, but what's
10 missing there is the problem, the women's health impact
11 issue. And that's where the OTIS members and practicing
12 obstetricians are probably at the top of my list. I have
13 no question if I show my team now a list, they very easily,
14 from 1 to 5 or any other analog we choose, will tell you
15 where the problems are, either a lot of anxiety or a lot of
16 confusion, a lot of misinformation.

17 That brings me back to maybe criteria are being
18 set up and even a large list of potential drugs are coming
19 in. I can see those who are the front-line, OB
20 geneticists, OTIS members and the practicing OBG could
21 identify high and low impact within them. It will be like
22 any consensus. There will be standard deviation around it,
23 but it's not, Sandy, what you had done before that you
24 didn't want to share with us. I don't think you should ask
25 these people to come with their lists, but rather let them

1 rank your list as to problem or impact. So, then there is
2 no ambiguity.

3 DR. GREENE: The difference between the data
4 that the teratogen information services may have and the
5 information that you'll get from practicing physicians is
6 practicing physicians will give you a rating on a visual
7 analog scale, but there won't be much science necessarily
8 behind it. I think that the teratogen information services
9 will have much more quantitative information.

10 Other suggestions might be things that we
11 already know about, like the Michigan Medicaid database.
12 Many of the large HMOs now that provide prescription drug
13 benefits also keep this kind of data. Many studies have
14 come, for example, from Puget Sound, from Walnut Creek.
15 The large HMOs that we know keep databases because they've
16 published the results and the data from them.

17 DR. DATTEL: I think those are valuable but
18 they have to be used with caution inasmuch as there are
19 huge regional variations in drugs of choice. Having been
20 to both coasts, what Walnut Creek might use is a lot
21 different than may be used in the South.

22 DR. GREENE: The choices of drugs may be
23 different, but the conditions for which they will be
24 prescribing them should be similar.

25 DR. DATTEL: Right, those should be the same.

1 DR. KOREN: Again, I think we have already on
2 the table enough of those lists, and the new list will not
3 change a lot. I didn't have any surprise in these lists
4 when I read them as someone who deals with this. I think
5 it's more the complexity and where we will have an impact.
6 Here I thought, Michael, your community of academic
7 obstetricians will know. If a woman is with depression and
8 she doesn't know if she should continue the drug or not and
9 so on, your community will identify issues that are not
10 resolved presently where the up-to-date information will be
11 helpful.

12 So, I didn't mean so much another list. We
13 have many of those, and they will not change much. Half of
14 pregnancies are not planned, so you just get fecund women
15 between 15 and 45. That's what you get. It's not
16 surprising. I meant more the problems where the impact
17 will be. MVP is a big one. Women don't know what to do.
18 They get different messages from everyone and their sisters
19 too. Everyone needs to say something, and it ends up that
20 many of them don't take anything, for example.

21 MS. CONOVER: Which, Mike, I bet you deal with
22 this all the time, when somebody calls you and says, how do
23 you treat allergies in a pregnant woman and she's in her
24 first trimester or her third? How do you treat reflux in a
25 pregnant woman and she's in her first trimester or her

1 | third? For me that's how a lot of the questions present
2 | because I run a provider hot line. I think she might have
3 | influenza. How do I treat her?

4 | Those are the questions that lead you into as
5 | you start to think of, now, what medications do I feel
6 | confident about, which ones do I wish I could use but I
7 | wish I knew a lot more about them. And that's where we get
8 | into our questions we wish we knew the answer to, and the
9 | labels would help. More data would help too.

10 | DR. KOREN: With the risk of repeating a lot of
11 | this, how do you treat something? It's something the
12 | companies will not be able to help. None of them will
13 | indicate anti-allergics, H1, for pregnancy. Very rarely.
14 | I don't think anyone has as yet, and I don't think we
15 | should expect them to do it. This is where the medical
16 | community should, but the safety is important.

17 | MS. CONOVER: Gideon, I was just thinking of,
18 | for example, something like loratadine. That's the
19 | question behind the question of what is the risk of using
20 | loratadine in pregnancy. So, I guess I was trying to think
21 | of the background thought of how you were going to derive
22 | your list.

23 | DR. GREENE: Some years ago I saw a cartoon of
24 | a physician awakened in the middle of the night and on the
25 | phone. He says, don't you have some tried and true family

1 remedy that you could try?

2 (Laughter.)

3 DR. GREENE: I think for such things as nausea
4 and vomiting and allergies, that's always the first choice.

5 Other comments?

6 DR. KOREN: I had a professor in medical school
7 who said, you learn for so many years, and then you go to
8 fellowship. Then at 2 o'clock in the morning one day, a
9 patient comes with something you don't have a clue. You
0 close your eyes and think, what would my mom do?

1 (Laughter.)

2 DR. GREENE: Yes, please.

3 DR. WISNER: Can I ask a question that may be
4 somewhat unrelated but it certainly comes up in these kinds
5 of consultations? That is, whether any of these rules or
6 regulations will have anything to do with the complementary
7 and alternative therapies because we get many more calls
8 about those kinds of products.

9 DR. KWEDER: I'll do the best I can. For the
0 most part in the state of things as they are today, most of
1 the products that would probably fall under what you're
2 thinking of as alternative therapies or complementary
3 therapies are considered dietary supplements. They are not
4 drugs. They become a drug and are regulated as a drug when
5 a company makes a specific claim to treat a disease or a

1 specific indication for relief of a particular symptom.
2 So, the answer is that none of this will apply to most of
3 those products because most companies are very careful not
4 to make a specific claim in that area.

5 DR. GREENE: Dr. Kweder, do you want to make
6 closing remarks?

7 DR. KWEDER: Yes. Actually your discussion has
8 been very helpful. I actually have three pages of list
9 items that mostly fall within the general list that you
10 just summarized, and I think it gives us a good start.
11 Actually getting down to the details is going to be a
12 challenge, but it gives us a good start. It gives us
13 something to work with.

14 What we'll do with this is we'll make a list
15 and we'll do something like, now, what if we applied this?
16 How many products would it mean we'd get in one year? What
17 kind of a burden is that for us to deal with? What kind of
18 burden is that for the industry as a whole? Then we'll
19 start tweaking it from there and seeing if we can get to
20 something that's reasonable.

21 But this is very, very helpful. I really want
22 to thank you for taking the time to come early today and
23 help us with this. When people want to know why does this
24 stuff take so long, it's because we have to do this kind of
25 stuff. This is really difficult and this is just the

1 beginning. The fun stuff is coming up with the big ideas.
2 This is the stuff that's really agony. So, thank you very
3 much.

4 (Whereupon, at 12:00 p.m., the subcommittee was
5 adjourned.)

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25