

1 and they're really making sure that you're not
2 saying more than what is known about your
3 drug, and maybe kind of cutting into their
4 territory.

5 So I think that around that we get
6 some. I think that television advertisements
7 are another thing that we look at. Because
8 those are so visible, you're likely to get
9 more complaints, and from consumers, too,
10 that's one of the types of materials that are
11 complained about more.

12 But as far as what consumers
13 complain about, and what health care
14 professionals complain about in terms of, you
15 know, which drugs, and what types of pieces,
16 it really varies. We do review every
17 complaint that we get, and if, you know, based
18 on what's identified in the complaint, the
19 issues that are raised, we think that that has
20 merit, we will go look at the pieces, and try
21 to see, you know, what we can find, and some
22 of them even come in with the pieces. So it

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1 takes some amount of resources, but we want to
2 really make sure because, you know, that's
3 somebody reaching out to us saying, hey,
4 there's this problem. We want to make sure we
5 look into that, and do something, if
6 appropriate.

7 DR. HUNTLEY-FENNER: Just to be
8 sure, you wouldn't necessarily short change
9 the resources you need to sort of track down
10 whether risks are being communicated
11 effectively in order to address a specific
12 complaint that may not have to do with a risk
13 that's been identified?

14 MS. DAVIS: Complaints about
15 something other, or just other work on making
16 sure that risks are communicated, versus
17 addressing a complaint, is that the question?

18 DR. HUNTLEY-FENNER: Correct.

19 MS. DAVIS: I think that our
20 priority list, risk communication, and
21 especially if a problem has been identified,
22 or, in promotion, or if there's some new

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1 safety labeling update, or something that we
2 need to work on to get new risk information
3 out, that's number one and two in our
4 division. So complaints would come after
5 that.

6 So it might take us longer to get
7 to them. We still have a goal of looking at
8 every single one, but we wouldn't work on it
9 over risk disclosure, if those were the two
10 choices.

11 DR. HUNTLEY-FENNER: Thank you.

12 DR. PETERS: Thank you, by the way,
13 for telling us about the provisions.
14 Particularly, I was glad to see the 503 pre-
15 review provision, and this idea that that
16 impact does make a difference.

17 One thing that I was surprised to
18 see is that the FDA has no authority to
19 require any changes, though, and that, to me,
20 is somewhat surprising, but also, to me,
21 without a consumer's ability to take in the
22 information, to understand the information,

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1 and to use the information, which may be
2 separate things, it's not information yet. It
3 hasn't been provided yet, in my definition of
4 it.

5 And so I was curious about,
6 pragmatically, given that the FDA has no
7 authority, pragmatically, what do you think
8 will happen in this process of pre-review?

9 MS. DAVIS: I think one thing is,
10 although we don't have the authority, and
11 that's for reasons that relate to kind of
12 concerns about first amendment, and basically
13 requiring, you know, kind of like pre-
14 approval, versus just giving advice before an
15 ad goes out. So although we don't have the
16 authority to require changes when we're just
17 looking at something in draft, we can't
18 mandate the way that a company has to promote
19 its product.

20 We can give them the
21 recommendations, and then what happens next
22 is, if they ignore every one of our

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1 recommendations, and some of those were about
2 kind of actionable issues, if this really is
3 not clearly communicating risk information, we
4 can take an enforcement action, and after that
5 it's not about, you know -- an enforcement
6 action asks that they pull those pieces, work
7 with us to develop new ones. So in the period
8 where you're still in draft, the agency,
9 because of First Amendment considerations, has
10 limited authority as far as actually saying,
11 you know, this is exactly what you have to
12 say, because it's more of our role to give
13 them advice on how to comply, how to meet
14 these considerations, and then the company
15 can, you know, do that in any way that
16 complies with our advice.

17 We can't be prescriptive as far as
18 what they need to say, but then, you know, the
19 other thing to always keep in mind is if there
20 is something out there actually being shown to
21 the public that does violate the act, the
22 regulations, we can do something about it.

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1 MS. LAWSON: This is about the
2 report, and I know that the Committee has the
3 responsibility to make recommendations about
4 the DTC impact on access to health
5 information, and how important, or what kind
6 of influence it has on addressing health
7 disparities.

8 But I'm also interested in knowing
9 what team or staff is in place that also will
10 be monitoring this process, and will have
11 input into the overall report to the Secretary
12 and to Congress.

13 MS. DAVIS: Sure. I think that the
14 kind of primary team is our working group on
15 drug advertising, and as I was mentioning,
16 that has members from a lot of different
17 disciplines within FDA, from the people that
18 actually are reviewing and approving drugs,
19 from people that are monitoring for risk,
20 people that work on, you know, regulatory
21 policy, other centers. We, you know, are
22 going to have consultants, too, from other

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1 groups in the FDA working with us on that. So
2 that's sort of the group that has the primary
3 responsibility for putting pen to paper, but
4 what we're hoping is that we'll also get a lot
5 of input to the docket that we've opened that
6 will inform that group's decisions, and then,
7 you know, another huge part of it is,
8 obviously, the meeting here today, what we're
9 going to hear, what recommendations you might
10 have, you know, suggestions for what we should
11 look into.

12 There's a lot of expertise
13 obviously on this committee about, you know,
14 places we might look, things to take into
15 account. So that's the group that's going to,
16 I think, you know, eventually be the one
17 that's actually writing this up, but with
18 input from all those different sources.

19 CHAIRMAN FISCHHOFF: Ted.

20 DR. REISS: Dr. Peters asked the
21 question that I was going to ask, so I'll
22 yield the time back.

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1 CHAIRMAN FISCHHOFF: You have a
2 rain check.

3 DR. BRUHN: I just wanted to
4 clarify the target audience. We all caught
5 the 65 or older for elderly. I like to tell
6 audiences it's even younger than that, but I
7 was wondering about the children aspects. It
8 seems to me, if one is going to communicate to
9 children, it does need to be children and
10 their parents or caregivers, at least for the
11 young stage, but what about teenagers? Are we
12 counting adulthood at 18?

13 And it seems that communication to
14 a teenager may involve, you know, a
15 distinctive audience, and a distinctive
16 approach itself, as opposed to a younger
17 child, or child and parent set.

18 MS. DAVIS: Well, first, I think
19 that your recommendation on that it should
20 include children and their parents, I think
21 that's a really good point, but as far as the
22 populations, what we have from Congress is

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1 just what's up there, the children and
2 elderly. The other distinctions I made,
3 because when we are looking at these ads, is
4 kind of what the agency looks at, and what's
5 the pediatric population, and what's the
6 geriatric population, and those are groups
7 that are actually reflected in the labeling,
8 you know, in the special populations section.

9 And the agency in those sections
10 defines children, or -- I'm sorry -- the
11 pediatric population, as 16 and younger, and
12 then the geriatric as 65 and older, but
13 certainly, when you're looking at this
14 requirement, the children and elderly, I mean,
15 there's room for discussion about, you know,
16 does that exactly track what's in the FDA
17 labeling regulations.

18 DR. GOLDSTEIN: Again, I want to
19 thank you and the others for this information.

20 It's really helpful for us if we're going to
21 be providing advice about the report, and
22 other items.

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1 As a request, I think it would be
2 really helpful to have some in depth
3 individual case studies to look at. It's
4 great to hear about, in general, how this is
5 being approached, and some specific data which
6 we'll hear about about the impact of some of
7 the questions that have been raised. It would
8 be really useful to have some case studies, so
9 that we can see the process that FDA goes
10 through, we could see how there's an
11 interaction between the FDA and industry, and
12 what impact it then has on the population.

13 So I just make that as a
14 recommendation for us. If we're really going
15 to be able to be helpful, it would be nice to
16 see some specific examples in how it plays
17 out.

18 MS. DAVIS: As far as following
19 kind of an individual promotional piece
20 through its impact, or the process of this
21 report, or just to clarify, what --

22 DR. GOLDSTEIN: The process of

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1 looking at a specific direct-to-consumer
2 advertisement program, not just an individual
3 one, perhaps, but when a drug is being
4 marketed, and there's direct-to-consumer
5 advertising, and there's direct-to-consumer
6 promotion, and there's also -- we can look at
7 the whole package of materials that have been
8 put forth by industry, and see how the FDA has
9 responded, and what impact that's had. It
10 will help us to advise, if we can see a
11 prototypical case study.

12 MS. DAVIS: Just one comment in
13 response to that. I think that, I can
14 definitely see how that would be interesting,
15 and after FDA does comment, or somehow reviews
16 a piece, and it goes back to companies, and
17 then it's run publicly, and the people that
18 would have the information about the impact,
19 and maybe who it targets, would really be the
20 advertiser.

21 So I'd like to make a plug, if
22 there's any members here that do have that

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1 kind of information, that's exactly why we
2 have that docket open. We'd really like to
3 have, you know, the what happens next piece of
4 things, and that's the one thing FDA can't
5 really speak to about direct-to-consumer
6 advertising. We're using our own health
7 information communications as kind of a
8 surrogate, because that's something that we
9 can track, but we love to get that kind of
10 information.

11 MS. MAYER: I know there has been
12 recent concern about the length of time that
13 it's taken for violative ads to be withdrawn,
14 or to be reviewed at FDA prior to their being
15 withdrawn, that that's taken up to eight
16 months, during which time the message has
17 already been transmitted, and I'm wondering if
18 this provision for pre-review of ads, if you
19 anticipate that this is going to somehow
20 change that, even though it doesn't have
21 teeth, so to speak, in terms of your own
22 process.

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1 I mean, theoretically, at least, it
2 looks to me as if a company could go ahead
3 with an ad that misstated its claims, and
4 then, you know, that ad could be distributed
5 for a number of months before any action could
6 be taken.

7 So is there any way in which this
8 will dynamically change that process?

9 MS. DAVIS: I think, as far as TV
10 ads, which, although they have a big impact,
11 are, you know, a small overall percentage of
12 all the different pieces, it can have that
13 kind of impact, but one of the things to note
14 is we do spend a lot of time, a lot of our
15 resources working on similar provisions that
16 are voluntary as far as providing advisory
17 comments on draft pieces before they go out,
18 because the best outcome for everyone is that
19 what initially goes out to the public is
20 accurate, not misleading, and rather than
21 trying to take action after it's disseminated,
22 for, you know, most pieces, that is voluntary,

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1 but this does give us, for TV ads, the
2 authority to require them to be submitted, and
3 although the recommendations are just
4 recommendations, our experience has been that,
5 you know, most companies do take those
6 seriously.

7 CHAIRMAN FISCHHOFF: Mona.

8 DR. KHANNA: A follow-up question
9 to that. According to the GAO report in our
10 materials, while direct-to-consumer
11 advertising has increased in any time period
12 looked at, i.e., 2005, 2002 to 2005, 2006,
13 2007, the number of letters, regulatory
14 letters that the FDA has issued, has gone down
15 every single year.

16 Now, is that a result, do you
17 think, of this increased vigilance at the
18 front end of the ads that the pharmaceutical
19 companies and/or device companies will be
20 running, or is it a result of the lack of work
21 force of the FDA, or exactly what?

22 Because it seems kind of a non-

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1 sequitor that the number of DTC ads are going
2 up, yet the number of ads cited are going
3 down.

4 MS. DAVIS: Without kind of an end
5 to compare this all to, without being able to
6 look through every piece that's disseminated
7 to consumers, and say, there were this many
8 that were misleading, and these are the ones
9 we got to, it's hard to say whether they've
10 become more compliant over time. I think
11 that, when you're looking at the number of
12 enforcement letters, it's part of the picture,
13 because another part of the picture is the
14 amount of materials that we get submitted for
15 our advisory comments, that pre-review where
16 we are providing them advice, and hopefully
17 fixing problems before they go out there.
18 That's also increased every year.

19 So we do spend a lot of resources
20 on that, and the, you know, amount of
21 resources in the groups that regulate
22 advertising, you know, probably haven't gone

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1 up as much as the pieces have. So there's
2 definitely, I mean, there's always a resource
3 issue with everything, but I think that
4 another piece of the picture to really keep in
5 mind is that we spend a lot of our time, and
6 we get more and more requests each year for
7 advisory review, and, you know, the best case
8 scenario is for things to be good when they
9 first go out.

10 DR. KHANNA: Just a quick follow-
11 up. According, again, to the GAO report, the
12 FDA issued four violative letters in 2006, and
13 only two in 2007. That seems to me a really
14 small amount considering the fact that we're
15 here discussing the issue.

16 MS. DAVIS: Well, a couple of
17 things to keep in mind. The overall amount of
18 enforcement letters stayed relatively stable
19 over those years, and although those were the
20 ones directed specifically to consumer pieces,
21 when we're citing these letters, we're asking
22 companies to discontinue, you know, all, same,

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1 or similar claims, and when you see these
2 campaigns, although you might pick the
3 professional piece, the professionally
4 directed pieces representative of all the
5 issues that you're seeing, usually, that's
6 spread across the consumer campaign, too.

7 So I think the impact of these
8 letters, in terms of stopping false and
9 misleading promotion, is across audiences,
10 even if the representative piece that's
11 discussed in the letter doesn't get to both of
12 those.

13 You know, another thing, though, to
14 just be aware of is, in 2007, one of the
15 things that was going on, although our user
16 fee program wasn't able to commence, we were
17 operating from October 1st until December 31st
18 as if it had, because we were just waiting for
19 the authority to collect fees, we hadn't had
20 increased resources yet, but we were under
21 this clock.

22 So, there were a lot of resources

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1 going to that in one part of the year, too,
2 and a lot of times, what happens is you get
3 increased resources that you can go hire for,
4 but it can take a while to actually have them,
5 you know, show up for work just, you know,
6 with the processes in place.

7 So I think that that was kind of
8 representative of the different forces at work
9 that year, but it is important to keep in mind
10 that all enforcement letters usually impact
11 promotion to all audiences for that drug,
12 because it's usually not an isolated issue.

13 CHAIRMAN FISCHHOFF: Okay. We have
14 Linda, and then Ted, and then I have a
15 question, and then we'll be sure to get in the
16 next presentation before the break.

17 DR. NEUHAUSER: I have a question
18 about the expertise of the people who actually
19 do the review. Could you comment on that,
20 with respect to both the content itself, and
21 also the issues brought up here about what
22 constitutes good communication? So expertise

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1 in the area of understanding risk, of
2 understanding communication to people,
3 different literacy levels, et cetera.

4 MS. DAVIS: Sure. My division,
5 DDMAC, the Division of Drug Marketing
6 Advertising and Communications, the way it's
7 set up is there's usually, you know, a primary
8 reviewer for different therapeutic areas, and
9 they have a kind of health care professional
10 background. A lot of them are, you know,
11 Pharm.D.s, nurses, doctors, and so they have a
12 lot of information about the drugs, you know,
13 what's known about that, what those drugs do.

14 We also work closely with the
15 medical review divisions that actually approve
16 the drugs for questions about the level of
17 evidence. So that's kind of getting at the
18 scientific content of the claims.

19 Another group that we have is we
20 have social scientists, one of whom is going
21 to be addressing you tomorrow, Dr. Kit Aikin,
22 and there are experts on communication issues,

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1 and we also have regulatory counsels, which is
2 what I used to be. So they kind of give input
3 on the different rules and regulations when
4 we're looking at, you know, what we can say
5 about problems in a promotional piece.

6 And so we kind of bring together a
7 lot of different disciplines, and it's very
8 much a team review approach, so that we do get
9 the benefit of communication, insight, drug
10 knowledge, you know, regulatory insight, when
11 we're looking at pieces. We don't kind of
12 look at them, you know, one person in
13 isolation.

14 DR. NEUHAUSER: And when you do
15 your review, your pre-review of TV
16 advertisements, do you look at closed
17 captioning, and if you do, do you follow
18 certain criteria for quality of closed
19 captioning related to the ad?

20 MS. DAVIS: When they come in for a
21 pre-review, the ads, a lot of times, there's
22 no requirement, necessarily, that they even

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1 have, you know, the final video yet. It might
2 just be a story board. It might be an
3 animatic, and what we usually have is we just
4 have the text that's on the story board. We
5 don't see the closed captioning version. So
6 although we're looking at, you know,
7 everything that appears on the story board,
8 and we're also, if there's a tape available,
9 hearing how it actually conveys when it
10 becomes an audio. And, you know, we do look
11 at the superimposed text on the screen, but as
12 far as the actual closed captioning, we don't
13 usually see that.

14 DR. NEUHAUSER: Okay. Well, just
15 one comment. You asked about what happens
16 next. I would suggest looking at the FCC
17 regulations for use of closed captioning over
18 emergency preparedness information as required
19 on television. And that, I don't want to go
20 into depth on that, but it does have
21 provisions about not putting closed captioning
22 over key parts of written information on an

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1 advertisement. So that would be something I'd
2 suggest pursuing.

3 MS. DAVIS: That's a really good
4 point, and I can't say I've thought of that
5 before.

6 DR. REISS: Thanks for the very
7 nice presentation and discussion. I just want
8 to probe again for a second the word that we
9 were discussing before, impact, if we could,
10 and get back to sort of maybe what the intent
11 was, and what you guys' interpretation of the
12 intent is. It's probably the term that you
13 used, but there's a concept behind it maybe.
14 Is it the more limited concept of effective
15 communication to, or the broader concept we
16 were talking about before of the health
17 benefit to?

18 MS. DAVIS: Unfortunately, you
19 know, again, we don't have much as far as what
20 Congress was intending here. I can say that,
21 when what became this provision in the
22 legislation was originally proposed, this and

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1 the other parts in Section 901, the pre-
2 review, it was prefaced with a sense of
3 Congress provision, that that really talked
4 about more making direct-to-consumer
5 advertising a clear and reliable communication
6 tool for these populations.

7 It didn't talk about, you know, and
8 then the impact on, you know, health
9 disparities, but the report does mention that.

10 So I think there's at least some of that idea
11 about, you know, once you communicate action
12 being taken that can actually improve health,
13 but we don't have any more to go on than
14 what's there.

15 MS. MAYER: So the literature
16 suggests that the way in which people receive
17 information when they see an ad on TV is
18 really more than just the script; that it's a
19 combination of the visuals, and what they
20 hear, and even the emotional content, and the
21 way in which, even the timing of the
22 information.

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1 I don't really understand how, if
2 you only review a script or a story board, you
3 could really get a full picture of whether the
4 risk information and the benefit information
5 is well balanced in your preview.

6 MS. DAVIS: And that's a good
7 point, and the honest answer is that we don't,
8 and we always say that in our letters, but the
9 reality is, a lot of companies want our advice
10 on the script before they actually spend the
11 money filming the ads.

12 But what happens next is, a lot of
13 them will then submit the actual video for our
14 comments, not always, but that's when we look
15 at those factors, and certainly we look, once
16 they're publicly disseminated, at those kind
17 of issues, but that's a very important
18 consideration, because you can see things, and
19 the words can look fine, but when they play
20 out, it may be that the visuals are so
21 distracting that it doesn't matter. You're
22 not getting any of that.

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1 The music may be too loud. The
2 superimposed text may be too small to read.
3 So all of those things are things we look at,
4 but if companies first want our comments on
5 the story board, we do provide that, and then,
6 you know, we encourage them, and we hope to
7 see a video, but there's no requirement. It's
8 all a voluntary process.

9 CHAIRMAN FISCHHOFF: I'd like to
10 ask, I guess, a legal question as a non-
11 lawyer. Is the communication considered part
12 of the product?

13 And my thinking is, if, in the end,
14 we're concerned by the law, and in general
15 with how it affects people's health, the best
16 evidence that we have on the effects, the
17 impacts of any risks and benefits of any drug,
18 come from a clinical trial in which the
19 physical product is bundled with a
20 communication regime. Certain people are
21 recruited; certain people are excluded;
22 certain reminders are given in terms of how to

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1 comply with the usage. Certain facilities are
2 made -- provisions are made for two-way
3 communication about side effects, and so the
4 impact with another communication regime one
5 would expect to be different for all of the
6 reasons that we have here.

7 So it seems like, de facto, the
8 communication is inseparable from the physical
9 product. From a legal perspective, is the
10 communication part of the product, or is that
11 one of those --

12 MS. DAVIS: Well, I think that the
13 approved product labeling, what you're talking
14 about, the directions, and how to actually use
15 it, that should travel with the product, that
16 really is, you know, it's the product and
17 that, and they travel together. But what
18 these other promotional messages do, I don't
19 know if I would say that they become legally
20 kind of part of the product the way the
21 approved product labeling is, but what they do
22 legally is they can push it out of compliance

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1 with the act, because what we're always
2 looking at is, have you kind of misbranded
3 your drug, and one way that you can do that
4 is, in your promotional messages, say things
5 that approved product labeling doesn't have
6 adequate directions for.

7 So if you're saying, it's like we
8 work in this population, and then when you go
9 back to the drug, and that approved product
10 labeling, and there's nothing in there about
11 how to use it, or that reflects that it does
12 work in that population, you're now out of
13 compliance with the law.

14 And similarly, if you're saying,
15 you know, we work in 96 percent of patients,
16 when your approved product labeling only
17 reflects 80 percent, you've now pushed it out
18 of compliance, because you've basically said
19 something that's not accurate in light of
20 what's reflected in that product labeling.

21 So your approved product labeling
22 that travels, you know, with your drug, that

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1 gives the directions for use, that's always
2 what you can't -- you can't be inconsistent
3 with that. You can't promote things that
4 approved product labeling wouldn't tell
5 practitioners, you know, how to use it for
6 that condition, for that population. So in
7 that way, those things all interact, but it's
8 really the approved product labeling that is
9 the thing that's always with the drug, if that
10 makes sense.

11 CHAIRMAN FISCHHOFF: Yes. So in
12 terms of my formulation, the evidence that is
13 in the approved product labeling comes from a
14 clinical trial in which the drug was bundled
15 with the communication regime, which probably
16 didn't have -- couldn't actually have had the
17 clinical trial information.

18 So the bundling that's required is
19 not the bundling that was present at the time
20 that the evidence was produced. So given that
21 this depends on people's behavior, you know,
22 do the right people get the drug? Do the

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1 wrong people get the drug? Are we missing
2 risk? Are we missing benefits? Do people
3 know how to monitor, you know, their
4 situation?

5 The behavior should have a large
6 effect on how well people use it, even if
7 there's no falsehoods, but if the people don't
8 have the communication equivalent to that in
9 the clinical trial, then something is using a
10 different product. That would be my non-legal
11 interpretation.

12 MS. DAVIS: I think that the idea,
13 hopefully, is that, when you get to the point,
14 you know, where you've done all of your
15 clinical trials, and you're working on that
16 approved product labeling, is hopefully the
17 distillation of what you learned, how you used
18 it, what your clinical trials reflected. But
19 you're right. It comes after. So it can't
20 have been used during the clinical trials.

21 CHAIRMAN FISCHHOFF: Let me thank
22 you on behalf of the Committee. You've been

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1 very helpful.

2 MS. DAVIS: Sure.

3 CHAIRMAN FISCHHOFF: And I assume
4 you'll be here for the rest of the day.

5 MS. DAVIS: Yes.

6 CHAIRMAN FISCHHOFF: You may be
7 hearing from us again.

8 So let me sort of apologize to
9 Andreas Lord, who has a summary of the
10 research literature looking at these topics,
11 and there were several requests from here to
12 be sure that that literature appears.

13 So we'll hear that presentation,
14 and then we'll take our break, and then we'll
15 have an opportunity to have discussion later
16 on.

17 MR. LORD: Hello. I'm Andreas
18 Lord. I'm from Eastern Research Group in
19 Massachusetts.

20 I'm grateful to be here today, and
21 I'm humbled by the last two presentations, and
22 I don't really know if I'll measure up, but

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1 here it goes.

2 I do have some data to present on
3 research that's been done in this area. Since
4 March, we were asked by FDA to look into
5 literature that's been produced on various
6 aspects of direct-to-consumer advertising, and
7 this is some data relating to the population
8 subsets that were mentioned.

9 The question arose, who were the
10 underserved populations of the population
11 subsets, and a short list is here. The note
12 at the bottom indicates that there's somewhat
13 limited research on impact of DTC on
14 children's health. I can say there's a slide
15 later on that addresses this. The prevention
16 study of 2004 did indicate that 40 percent of
17 children's caregivers were inspired to visit a
18 physician by direct-to-consumer advertising,
19 and that's as opposed to 18 percent of the
20 rest of the population of caregivers. So
21 there is an impact, at least on parents and
22 other caregivers of children.

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1 The list of the top 20
2 pharmaceutical products advertised in 2005,
3 making up approximately 56 percent of the
4 expenditures on direct-to-consumer
5 advertising. There's a couple of ED drugs,
6 antidepressants, arthritis pain killers, and
7 anti-allergens.

8 Just for reference, the populations
9 that we're talking about are pretty
10 substantial. Based on the 2006 census of
11 approximately 299 million population, the
12 adult population, as you see here, the
13 population of elderly and seniors, there's a
14 data point later on of 4.1 percent of people
15 over the age of 75, or 75 and older requesting
16 a prescription drug from a physician, which
17 translates to, it looks like approximately --
18 well, actually, it's over 60 years. It's
19 approximately two million people.

20 The data point at the bottom, 8.7
21 percent of the population speak English less
22 than very well. That's the Census' phrasing

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1 on that, and it does get addressed with regard
2 to one study on the presentation of DTCAs to
3 less than literate English speakers.

4 Household income data. I should
5 say that these population subsets and
6 underserved populations obviously overlap. I
7 mean, there are people with low incomes who
8 are college graduates. There are certainly
9 people in all of these groups that don't
10 necessarily qualify on all of these levels.

11 Data on non-high school graduates
12 by education level, and these are pretty much
13 for reference as we present the data later on.

14 Now, in looking at this data, we
15 decided to do it in a fairly simple format,
16 that is, we looked at the data that's been
17 produced in the somewhat limited research on
18 the underserved or population subsets, and
19 then compare that to date that's been produced
20 for the population at large, and ask the
21 questions whether there are differences in
22 these aspects of direct-to-consumer

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1 advertising in exposure to attitude,
2 comprehension, and behavior.

3 So in the general population, the
4 prevention survey, and the survey by Murray
5 and colleagues, we start to see that the
6 exposure to these ads is reaching saturation
7 point, or some kind of asymptote over the
8 years. There may be some small percentage of
9 people that don't read magazines, and don't
10 watch television, or listen to radio, that
11 haven't seen them.

12 The 83 percent is somewhat of a low
13 point. That's referring to people that have
14 seen them in the last 12 months.

15 Now, with regard to people in the
16 elderly or more mature years category, this
17 looks pretty comparable, too, that a large,
18 very substantial percentage, comparable to the
19 general population percentages, have been
20 exposed to these advertisements.

21 Some more data on this issue. The
22 Kaiser study that came out this year, Consumer

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1 Reports from this year, the 81 percent a
2 little lower than some of the other numbers,
3 because it's referring to just people that
4 have seen an ad in the previous 30 days.

5 This rather important study, by
6 Allison-Ottey and colleagues in 2003, they
7 interviewed African American patients inside
8 doctors' waiting rooms, people who were
9 actively consuming medical care, and they
10 found that 76 percent of them had seen a DTCA
11 in the previous two months.

12 Now, so what do people do after
13 they see the ads? Well, there's obviously
14 further research on what they do in the
15 doctor's office, and the prevention results
16 show these 32 percent of exposed consumers
17 discussed the DTC drug with the doctor. They
18 distinguish this from the 8.3 percent of that
19 who actually ask directly for a prescription.

20 And this is a distinction that they
21 made very directly. Some of the studies don't
22 make that. They assume that, if someone is

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1 talking about a drug, it's the same as a
2 request for a prescription, and this study by
3 Murray, this is a bit of an outlier here, 12
4 percent, a relatively low percentage.

5 With regard to the more mature
6 elements of the population, here we see the
7 numbers are somewhat lower, 27 percent. Talk
8 to the physician, and this is the same
9 prevention study that you see on the left,
10 half as many of them as in the general
11 population asked directly for a prescription.

12 This Barrett study is somewhat of
13 an outlier, also. This is for the American
14 Association of Retired Persons, and that
15 number might be actually a little lower,
16 because it addresses people who had taken a
17 prescription drug in the last year, or five
18 years, I think, but in any case, it also
19 includes a lower age element there, and in
20 some of the surveys, the drop-off of people
21 who respond to the advertising occurs at about
22 the 60 year mark.

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1 The Datti and Carter study showed
2 that five percent of people 75 and over ask
3 their physicians about a DTCA drug. This
4 compares to 6.1 percent of the population at
5 large that is that age group. So it's a
6 somewhat lower percentage.

7 Now, in terms of education level,
8 the Murray study showed that, apparently,
9 education level relates to not responding to
10 direct-to-consumer advertising. We see in
11 that same study, 58 percent of non-high school
12 graduates scheduled a physician visit in
13 response to an ad, as opposed to 22 percent in
14 the more educated element of the population.

15 In the Kaiser study, 32 percent of
16 exposed subjects asked the physician about the
17 specific drug they saw advertised. Also, a
18 fairly substantial percentage of the people
19 who look at the ads going in to ask the
20 doctors.

21 Other consistent statistics
22 regarding asking the physician about a DTCA

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1 drug:

2 With regard to African American
3 patients, we see that 29 percent of the
4 patients in the waiting room, and this was
5 actually, the actual statistic for people who
6 had seen a DTCA ad was 34 percent. The 29
7 percent is of the entire set of the patients
8 said that they had once asked a physician for
9 a DTCA prescription.

10 And actually, I believe in that
11 study, 21 percent of the people that they
12 interviewed were there to talk to the doctor
13 about an ad, a drug they had seen in an ad.

14 And in the Datti and Carter study,
15 they calculated that the odds of an African
16 American requesting a drug was 58 percent
17 higher than survey counterparts.

18 So now how do physicians respond to
19 these requests? They respond pretty well.
20 Eighty-four percent in the prevention study
21 granted their request. Fifty percent in the
22 prevention study. Again, this is the

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1 distinction between people who discussed a
2 drug, and people who asked directly for a drug
3 that this study made, but even at the level of
4 discussing the drug, half the patients were
5 given a prescription.

6 In the population subsets, people
7 over the age of 75, five percent of the
8 subjects who were given a prescription, were
9 75 years of age or older. This same
10 percentage has asked for a -- among the group
11 that asked for a drug.

12 And similarly in Barrett, also a
13 consistent percentage among the elder
14 population, or at least the over 50
15 population, consistent with the prevention
16 study. So there's a consistent response
17 there.

18 Among graduates' education level,
19 we see that non-high school graduates actually
20 get their requests for an intervention.
21 That's how these researchers defined the
22 physician responses. This was different from

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1 actually requesting a prescription. They
2 could also be requesting blood tests, or other
3 testing in response to advertisements they
4 saw, and apparently, the statistic is half
5 the non-high school graduates had their
6 requests fulfilled, as opposed to the high
7 school graduates and higher.

8 And the other statistics from the
9 Murray study, you can see there that fewer
10 than half of the non-white subjects requesting
11 the similar intervention received what they
12 requested, as opposed to the white subjects.

13 Now, among the African American
14 patients who had ever asked for a DTCA drug,
15 28 percent of them received a prescription,
16 and this is a statistic that can compare to
17 the 50 percent, or the 84 percent in the
18 prevention study, the 50 percent of people who
19 had discussed drugs, and some of the higher
20 statistics in the earlier slides, and the
21 Datti and Carter study shows that the odds of
22 African American patients receiving the drug

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1 they wanted were significantly lower than the
2 rest of the subject pool in that study.

3 Now, trying to put these figures
4 into some kind of context, this experiment,
5 very remarkable experiment by Kravits and his
6 colleagues back in 2005, sought to control one
7 element of the doctor-patient relationship,
8 and elucidate what went on there. The
9 experimenters actually trained actors to pose
10 as patients, and go to the offices of about
11 158 doctors, and mimic the symptoms of either
12 clinical depression or adjustment disorder,
13 which is a mild form of depression that's
14 usually suitably treated with therapy, or a
15 follow-up visit by a physician.

16 The clinical depression is suitably
17 treated with a drug, a prescription drug.
18 Now, when these patients, what Travis referred
19 to as standardized patients, went on these
20 doctor's visits, they were basically in three
21 experimental conditions: one asking for a
22 drug, one asking specifically for Paxil, and

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1 one just describing symptoms, and not asking
2 for any specific treatment.

3 The results here for the
4 standardized patients who asked for a non-
5 specific drug, pretty appropriate. Actually,
6 the figure for people who didn't ask for
7 anything here -- I'm sorry. The figure here
8 for people who are suffering from clinical
9 depression, 76 percent received the
10 appropriate treatment, but 39 percent of those
11 with adjustment disorder received a
12 prescription that was arguably unnecessary.

13 Now, the standardized patients
14 asking for Paxil, actually, a lower figure of
15 those who asked for the specific drug received
16 the appropriate medication. The people
17 complaining of adjustment disorder and asking
18 for a specific drug actually received a higher
19 percentage of the medication, or I should say
20 a higher percent of those asking received the
21 medication, and overall, now Kravitz looked at
22 this.

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1 Now, I just wanted to bring this
2 up, because these figures are very consistent
3 with the figures that were found in these
4 surveys for the population at large, upwards
5 of 84 to 40 percent of patients requesting
6 drugs, requesting a DTCA drug receiving a
7 prescription.

8 This further observation by the
9 experimenters included patients who did not
10 request any drug, and now this actually, each
11 of these bars mixes the two groups. These are
12 both the clinically depressed, and the
13 adjustment disorder patients, and Kravitz
14 wanted to look at how many of these patients
15 received some minimal form of acceptable
16 treatment, and it turns out that the patients
17 who asked for Paxil got some form of treatment
18 90 percent of the time.

19 The patients who asked for a
20 nonspecific drug got some form of treatment 95
21 percent of the time. The patients who made no
22 drug request were treated 56 percent of the

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1 time, and this is in the context, just to be
2 looked at in the context of -- what we can
3 conclude from this, perhaps, is that people
4 who ask for drugs tend to get treatment.

5 Now, perception of risks and
6 benefits. Again, the literature on this is a
7 little spotty, but I draw your attention to
8 this with the wheel here. The Young and
9 Oppenheimer study of risk perception among
10 consumers. Now, as it turns out, when risk is
11 described, now, this says, when no risk data
12 is given. But by data, we mean numbers here.

13 They actually presented risk in terms of
14 expressions, such as, some people experience
15 headaches when taking this drug.

16 And when subjects were asked to
17 give a percentage of the likelihood of them
18 experiencing the side effect, the means were
19 up to ten times the actual rate of the side
20 effect.

21 When they do present the numerical
22 data, the experimenters found that having the

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1 numerical data correlates to a lesser fear of
2 taking the drug, and a greater intention to
3 comply with the drug regimen.

4 Now, there's no immediately
5 corresponding statistic for any of the
6 subsets, but this experiment, or actually
7 survey, found that, among people who were
8 limited English literacy subjects in Boston
9 answered questions about risks and benefits at
10 approximately a chance level. They were
11 presented 35 true-false questions, and 59
12 percent answered them correctly at about a
13 chance level, and the risk questions were
14 actually answered less accurately than the
15 benefit questions.

16 In the prevention survey, we see
17 these statistics about people who believe that
18 direct-to-consumer advertising provides them
19 enough information to make a risk-benefit
20 decision seems to be decreasing with high
21 school graduates.

22 Well, before we get to that, I'd

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1 just like to point out part of the prevention
2 survey also said that seven percent of
3 prescription drug users stopped taking their
4 prescriptions after viewing an ad, and an
5 additional seven percent switched to an over-
6 the-counter medication.

7 It's a little ambiguous whether
8 they did this under a doctor's care. It's
9 unclear what percent of these people did this
10 on their own, or with the advice or consent of
11 a physician.

12 In terms of our population subsets,
13 the corresponding figure in the prevention
14 survey for non-high school graduates,
15 significantly higher here, 43 percent.

16 This study by Schwartz and others,
17 they presented an easier to understand black
18 box of risks and benefits for print advertised
19 DTCA, and found that the 71 percent of
20 consumers with high school degrees or less
21 actually compared very favorably with those
22 with higher educational levels, which were in

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1 the low 80s, I think.

2 Now, this study by Berry, actually,
3 this is an English study of people's
4 comprehension of the risks of an over-the-
5 counter medication, and in the EU, the people
6 are legally mandated to use the term "common"
7 when a side effect is at six percent. The
8 subjects here were given a little booklet
9 describing the side effects of the medication,
10 and then asked to fill out a form on the next
11 page of the booklet.

12 So it was a fairly -- not a
13 terribly rigorous test. Now, when they were
14 given just the verbal descriptor common, and
15 they were asked to estimate the rate of the
16 side effect, it was on the order of nine times
17 the actual rate, and when they were given the
18 actual figure of six percent, and then asked
19 what the probability they had of suffering the
20 side effect was, it was close to 20 percent.

21 So most subjects in this study seem
22 to see themselves as more likely to suffer the

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1 side effects than most other people. No
2 corresponding data for subsets, but in this
3 study by Marinac of a senior population in
4 Kansas City, 60 percent reported that the
5 information was confusing and difficult to
6 understand. I can certainly agree with them.

7 So in the general population, a
8 couple of other data points from the
9 prevention survey, the more recent prevention
10 survey, that 59 percent of national adults do
11 recall some knowledge about risks associated
12 with DTCA. Risks are recited faster in some
13 television advertisements, and actually, a
14 substantial proportion of television
15 advertisements.

16 The data on DTCA in children, not
17 very much. So 16 percent of adults provide
18 medical care for children with a specific
19 condition. ADD and ADHD account for a
20 majority of this. The other conditions that
21 are substantially represented are depression
22 and allergy, but those percentages are in the

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1 teens.

2 So the ADD/ADHD is a substantial
3 majority, and this I mentioned earlier; about
4 40 percent of the caregivers being inspired by
5 DTCA to talk to a physician. The phrase for
6 others was the prevention wording.

7 In the Datti and Carter study, they
8 found that having a child increased the
9 probability of going to see a doctor by 13
10 percent. Actually, the odds of going to see a
11 doctor.

12 And this is not a piece of data
13 here, but an interesting observation by a
14 psychoanalyst that is a possibility, and
15 strictly as an observation, that ads for
16 conditions such as depression and ADHD
17 alongside of ads for more physically based,
18 physiologically based illnesses, might tend to
19 de-stigmatize these disorders in the general
20 population.

21 Now, I can't help but mention
22 something about the Internet here. Now, this

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1 information is based on a survey by PhRMA. I
2 wasn't able to get the actual report of the
3 survey, but the Hoffman 2007 article was from
4 a magazine. So we really can't say anything
5 about how the survey was conducted, but the
6 suggestion from that is that a substantial
7 number of people do buy prescription drugs
8 over the Internet without a prescription,
9 which eliminates this sort of gatekeeper role
10 that physicians play in safeguarding the
11 health of people looking for prescription
12 drugs.

13 Now, to summarize the presentation,
14 it's apparent that population subset C are
15 exposed equally to DTCA as others, but they do
16 differ somewhat in their responses to direct-
17 to-consumer advertising. And again, this is
18 based on somewhat scattered and preliminary
19 data. All of this data could stand to be
20 substantiated, but so far, it's apparent that
21 seniors tend to request prescriptions less
22 often, and seniors requesting prescription

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1 medication from physicians are likely to be
2 referred for further treatment.

3 This is actually a data point from
4 the Datti and Carter study in which they
5 said, people over the age of 75 had an
6 increased odds of 250 percent of being
7 referred for further treatment after they go
8 to a physician, after they make a physician
9 visit that's inspired by a DTCA ad.

10 African Americans tend to request
11 prescriptions more often than other groups,
12 and apparently, they don't receive the
13 requested prescriptions as often as other
14 groups.

15 People with high school or less
16 education view DTCA more favorably, less
17 skepticism, perhaps not a lot less, but some
18 less, and they're more likely to agree that
19 DTCA provides enough information to decide if
20 drug benefits outweigh the risks.

21 And based on the Kravitz study, and
22 the data from the population subsets, and the

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1 data from the population in general, there
2 seems to be a trend that physicians may
3 provide treatment and prescriptions more
4 frequently to patients that request drugs than
5 to those who do not.

6 And there's also some data to
7 suggest that consumers may overestimate a
8 drug's risk whether given either vague or
9 specific risk information. And I know there
10 was a comment made earlier by one of the
11 speakers that it's important to make sure that
12 the advertisements produce accurate, and not
13 misleading information. And apparently,
14 they're not often the same thing. Apparently,
15 it's possible to mislead people with accurate
16 information, as well.

17 And the list of references for your
18 reference.

19 CHAIRMAN FISCHHOFF: Let me thank
20 you very much. That's a very clear
21 presentation, and actually, the organization
22 got to John's point that, what applies to the

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1 general population, and what's different,
2 what's different here.

3 We'll take a break now for 15
4 minutes, and reconvene at a quarter to, and if
5 you'll be here for a little while, I'll talk
6 with Lee about figuring the schedule for time
7 for people to ask you questions.

8 MR. LORD: Sure.

9 CHAIRMAN FISCHHOFF: Thank you.

10 (Whereupon, the foregoing matter went off the
11 record at 10:30 a.m. and went back
12 on the record at 10:49 a.m.)

13 CHAIRMAN FISCHHOFF: We'll begin
14 the next session with the opportunity to ask
15 Andreas Lord some questions about that
16 presentation, and then we'll go on to a panel
17 with our consultants and then some general
18 discussion.

19 So if you're willing to come back
20 to the hot stand, I'm sure we have some
21 questions. So let's begin with Musa.

22 MS. MAYER: Thank you very much for

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1 your review of the literature. I found that
2 fascinating.

3 I'm wondering if as you reviewed
4 the literature, if you were able to find any
5 information about the quantification of
6 benefits and the impact on patients and on the
7 public in terms of how well they understood
8 the actual benefits because in most direct-to-
9 consumer marketing, the benefits of drugs are
10 not clear.

11 MR. LORD: That's true. We didn't
12 find any direct subset information with the
13 exception of the study by Schwartz where they
14 developed a benefits box and a risk box for
15 easier communication of both those elements,
16 and they looked at different educational
17 levels with regard to that.

18 Some of those surveys do ask for
19 information on expectations from the drug, but
20 I couldn't quote you directly any data like
21 that. These are questions that are asked, but
22 the accuracy of assessing the benefits is not

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1 something I could opine on immediately
2 offhand.

3 MS. MAYER: So would you say that
4 hasn't been studied? I mean, we don't know
5 for example if people also exaggerate the
6 benefits?

7 MR. LORD: Have exaggerated
8 expectations of the benefits?

9 MS. MAYER: Yes.

10 MR. LORD: I can't say that it
11 hasn't been studied. I don't know that it has
12 been studied.

13 MS. MAYER: Thank you.

14 MR. LORD: I think as I recall
15 there are some questions in some of the
16 surveys about that.

17 DR. PALING: Because I used to be
18 European, I'm familiar with the EEC
19 regulations to some degree. I wanted to make
20 clear that one of your slides here related to
21 an endeavor to put common words in some
22 consistent probability levels.

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1 MR. LORD: Yes.

2 DR. PALING: Ortheckle Berry, who I
3 know well in England, studied the EEC
4 regulations. I'll tell you the little I know
5 because I think it's crucial, pivotal to
6 what's being discussed today. In Europe --
7 I'll try to be really simple -- it was decided
8 that most people, particularly of our sub-
9 populations, only hear about risk with a
10 descriptive word, low, high, whatever it would
11 be.

12 In Europe, the words that are most
13 commonly used are rare, very rare, common, and
14 very common, a different vocabulary to that
15 with which we're using words here.

16 And all she was doing is not in any
17 way to throw doubt upon what the Europeans
18 think to be the most helpful, simple, single
19 thing that an agency can do the help
20 comprehension of the levels or probability of
21 risk, which is to define and limit in some way
22 the words you used to denote a particular

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1 probability.

2 MR. LORD: Exactly.

3 DR. PALING: And we can discuss
4 that in more detail, but I just wanted to say
5 that this slide which is one of your many very
6 useful ones didn't have its context that this
7 is the European reflection of the reality.
8 Unless you're well educated, you won't be
9 looking at numbers. All you'll be getting is
10 probabilities, and a low risk would mean one
11 in five to one in 1,000 depending to whom you
12 speak.

13 And I just wanted to try and
14 elevate the importance of that strategy for
15 trying to help this subpopulation being
16 formed.

17 MR. LORD: Well, I think that's
18 absolutely right. In fact, I'm not aware of
19 whether there's a comparable percentage verbal
20 dichotomy relationship in the United States,
21 where there's any requirement on that level.

22 CHAIRMAN FISCHHOFF: Michael.

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1 DR. GOLDSTEIN: I want to thank you
2 two for your review and for the presentation,
3 and I want to get back to the question I asked
4 before about impact.

5 It sounds like the behaviors that
6 have been studied are limited to behaviors
7 that relate to asking about medication or
8 receiving medication, and then at the
9 clinician level whether it was offered or
10 given, rather than looking at other kinds of
11 behaviors like adherence to medication
12 regimens or perhaps even more importantly
13 follow-through with other aspects of care and
14 treatment.

15 So that, for example, I'll use a
16 specific example because it helps me. When
17 we're talking about a treatment for tobacco
18 dependence and the pharmacological therapy is
19 one aspect of that, but the other aspect is
20 also participation in non-pharmacologic
21 therapy, behavioral intervention, for
22 instance.

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1 It's like the official I've
2 mentioned before. It's very important to look
3 at that because almost all of the studies that
4 were done included those components as part of
5 treatment. So to what degree does exposure to
6 advertising, direct-to-consumer advertising
7 affect adherence to the medication as well as
8 adherence or participation in other aspects of
9 treatment?

10 And it sounds like from your review
11 there's little or no data on those kinds of
12 outcomes.

13 MR. LORD: There's little data with
14 regard to the subsets. There are some data
15 points certainly. Some of the studies address
16 other kinds of behavioral responses in the
17 general population studied, whether it's
18 seeking more information about a drug,
19 effective DTCA compliance. That's covered in
20 the prevention survey, but it hasn't been
21 disaggregated into data that can be applied to
22 the subsets, and that's why it's not presented

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1 today.

2 DR. GOLDSTEIN: So as a comment
3 again, I know we're going to be discussing
4 this later; I think as a recommendation that
5 kind of study needs -- those kinds of studies,
6 multiple studies -- need to be done to look at
7 the real impact on actual important health
8 behaviors of our patients, not just on whether
9 or not they get the medicine, which is
10 important, but also what other behaviors are
11 affected both positively and negatively.

12 MR. LORD: Well, it's a rich field
13 for research. In fact, you mentioned case
14 studies earlier. There was a paper by Bower,
15 which I think is in the bibliography where
16 they did in depth interviews with elderly
17 patients in Nova Scotia and examined a lot of
18 their behaviors with reaction to direct-to-
19 consumer ads and what they consider to be the
20 most important elements that affected their
21 decision making.

22 DTCAs actually ranked very low by

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1 their report, but sometimes self-report isn't
2 the best estimate of what determines behavior,
3 but it's difficult to quantify information
4 from these kinds of case studies, but it can
5 often be very provocative

6 DR. PETERS: I had one comment in
7 response to Musa and then a question.

8 First, with respect to Ms. Mayer,
9 you asked about whether benefits were also
10 overestimated. There is a paper by Woloshin,
11 Schwartz and Welch back in 2004 that does
12 suggest that perhaps they are overestimated
13 because if you give them the numeric benefits,
14 people are somewhat less likely to take the
15 drug. In hypothetical I believe it was
16 though.

17 My question, I really enjoyed the
18 part of your presentation where you were
19 looking at this idea of who makes prescription
20 requests after seeing direct to consumer ads
21 and who actually gets prescribed those drugs,
22 and I thought it was interesting that the

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1 populations that are of most interest here,
2 the ethnic minorities, for example, were more
3 likely to ask, but less likely to receive the
4 drug.

5 MR. LORD: Apparently, at least in
6 the data that's been produced so far, most of
7 it, some of it.

8 DR. PETERS: And it's limited data
9 so far. I understand that. You know, it's
10 sort of what's available up in the literature
11 at the moment.

12 I'm wondering though if you had any
13 feel from the literature review that you did
14 about the appropriateness on both sides of
15 those. Was there more inappropriate
16 requesting happening by one group versus
17 another? You know, was one group under
18 requesting, the other group over requesting?

19 Alternatively, it may be that or in
20 addition to that, it may be that there's more
21 appropriate prescribing by the physician for
22 one group versus another.

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1 Is there any indication of that
2 from the literature?

3 MR. LORD: It would be hard to
4 design a study where you could find out if
5 somebody was over or under requesting
6 medication.

7 DR. PETERS: Sure.

8 MR. LORD: I think -- I certainly
9 didn't see anything like that. So I couldn't
10 draw any inference like that.

11 DR. PETERS: What about on the
12 physician side in terms of prescribing?

13 MR. LORD: Prescribing? Well,
14 again, I mean, the fact that -- or the fact,
15 the observation that physicians might be
16 prescribing to African Americans less, if
17 they're over prescribing to everyone else when
18 they request, then it's a good thing.

19 DR. PETERS: Right.

20 MR. LORD: If they're under
21 prescribing to African Americans, then that's
22 a bad thing. So it's difficult to determine

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1 which is which. The experimental data seems
2 to suggest that at least with depression drugs
3 there's a fairly significant level of over
4 prescribing going on.

5 DR. DeLaROSA: I was disappointed
6 to see as one of these subsets of populations
7 that wasn't mentioned was physicians because
8 we talk about direct-to-consumer advertising,
9 which physicians are consumers, and maybe you
10 can comment because, I mean, a lot of
11 decisions are made by physicians, and that's
12 the reason why industry spends billions of
13 dollars in advertising is to get me to
14 prescribe their drug to their patient, and I
15 see it every day. And it would be interesting
16 to me if you can comment if you have the data
17 or have any information on what it is. Like
18 how does it affect physicians by those
19 journals?

20 Just a point, I get the European
21 Journal of Cardio-thoracic Surgery as well as
22 the Annals of Thoracic Surgery here in the

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1 United States, and I see the advertisement,
2 the differences from the U.S. journals that
3 are pretty straight, and then I see the ones
4 that from Europe with somebody in a wheelchair
5 and you repair their aorta, and then all of a
6 sudden they're in a marathon.

7 So comment, please, if you can.

8 MR. LORD: I'm sorry. What was the
9 question again? I'm sorry.

10 DR. DeLaROSA: The question is what
11 is the direct direct-to-consumer advertising
12 towards physicians, towards people in the
13 health care field. Do you have any data on
14 that?

15 MR. LORD: Any data on their
16 reaction to DTCA?

17 DR. DeLaROSA: Correct. I mean on
18 them as being the consumer, the physician.

19 MR. LORD: Well, in general, the
20 data is pretty split. I mean, 30 percent
21 think it's good, 30 percent think it's not
22 good, 30 percent have no strong opinion.

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1 There is data breaking that down
2 quite considerably, and it is a subject of
3 study. There's a study by the National
4 Medical Association where they questioned
5 their membership, and I think about 45 of 50
6 percent thought it enhanced patient-doctor
7 interaction. A substantial percentage thought
8 it had no effect.

9 Doctors' opinions as to the impact
10 on the patient-physician interaction is guided
11 as you might expect by their opinion of DTCAs
12 in general, and the ones that like it think
13 it's a good thing that the interaction is
14 usually enhanced, and the ones that don't
15 think it's not.

16 The 30-30-30 split was reported by
17 one paper, but there are quite a few studies
18 about that.

19 CHAIRMAN FISCHHOFF: Thank you.

20 So we'll have Marielos, Sally,
21 Christine, Elaine AnnaMaria and Betsy, and
22 then we'll go to our -- to Madeline -- and

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1 then we'll go to our panel.

2 MS. VEGA: Thank you, Mr. Lord, for
3 your presentation.

4 I am interested in knowing what was
5 your selection criteria for these studies. I
6 will be interested in seeing your sample sizes
7 and your demographics of the studies and where
8 were they conducted to see if they included
9 these vulnerable populations.

10 And the reason why I'm asking about
11 the selection criteria is because, for
12 example, the prevention study and the consumer
13 reports, those are not really scientifically
14 rigorous studies. The consumer reports from
15 what I saw in the references that were pulled
16 and was done, it wasn't really a very strict
17 study.

18 Also, the one thing you presented
19 in Kravitz, you testified about what happens
20 when patients have factors for drugs. You
21 have something that say standardized patients.

22 MR. LORD: Yes.

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1 MS. VEGA: I'm not sure if I have a
2 good understanding of that because for me a
3 standardized patient is not a real patient.
4 It is a simulated situation.

5 MR. LORD: Yes, yes.

6 MS. VEGA: I'm not sure how can we
7 take this data and reflect it to the general
8 population.

9 MR. LORD: Right. Well, the second
10 part first. The experimenters in the Kravits
11 study took great pains to train these actors,
12 and they were women who were trained to
13 exhibit the same kind of behavior in all of
14 the office visits, and they also tested them.

15 I mean, I really offhand can't remember all
16 of the controls they used and the pains they
17 went to to insure that the presentation was
18 both convincing and consistent. It was pretty
19 ambitious. It was an ambitious study, and
20 certainly it's not beyond criticism. But what
21 they were trying to do is really, you know,
22 when you have a doctor and physician or

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1 physician and patient interaction, from our
2 point of view it's like it's two black boxes.

3 I mean, you know about what's going on there
4 from either one person or the other. The
5 information that one or the other provides can
6 be at variance, and so in this situation, he's
7 basically trying to open one of the black
8 boxes and try to get a consistent feel for
9 what physicians actually do as opposed to what
10 they say they do.

11 So it's true that it's not beyond
12 criticism, and now I forget the first part of
13 your question. Oh, the sample sizes of the
14 studies.

15 The prevention study, I mean, it is
16 a random sample. The selection criteria for
17 this presentation, we really try to get all
18 the information we could from all of the
19 studies that we reviewed that related to these
20 subsets. There's not a lot. So I mean, say,
21 it's a rich field for research, and the
22 prevention study, perhaps when you refer to it

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1 as not scientific, I mean, I believe it is a
2 stratified random sample seeking to represent
3 the population of the United States, and the
4 questions may not be great, I mean, in terms
5 of the science and what you can include. If
6 it's a poorly worded question, then the
7 results are not going to be excellent. It's
8 true, and it's difficult to judge that without
9 all of the questions in front of one.

10 But some of the other studies,
11 really it's just what's available, and they're
12 not beyond criticism either. I mean, I think
13 they're provided to the members of the
14 Committee. So it's hard to summarize them
15 all.

16 CHAIRMAN FISCHHOFF: Just to second
17 Marielos' point, the distinction between
18 studies that are peer reviewed and those that
19 are not is an enormous one for scientists, and
20 what we've said not just from your report,
21 striking how much of the evidence here is in
22 the gray literature produced by all sorts of

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1 different people, and I think it's really
2 helpful that you have the references and you
3 could see what's out there in the peer
4 reviewed literature.

5 Sally.

6 MS. GREENBERG: Just in defense of
7 my former employer, Consumer Reports, they
8 have a very sophisticated polling operation.
9 So I'm sure they would be glad to reveal their
10 methodologies.

11 MR. LORD: Those are the National
12 Research Center.

13 CHAIRMAN FISCHHOFF: It's not the
14 same thing.

15 MS. GREENBERG: I'm sure it's not
16 the same as a peer reviewed, but it is a
17 general population sampling, and I think they
18 do a pretty good job of that.

19 But anyway, thanks for that
20 presentation. I wanted to ask a question
21 about what appears to me when I watch
22 television to be a parade of advertising at

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1 certain times of day and certain programs, and
2 I suspect that the drug industry has a lot of
3 information about who watches the morning
4 programs at what hour of the day, including
5 the kind of populations that we're charged
6 with looking at in terms of access.

7 So I wondered if you had looked at
8 any of that sort of data and whether we might
9 have access to some of the pharmaceutical
10 industry data because clearly they have, you
11 know, a lot of resources to be very specific
12 in how they target their advertising.

13 And I have just two related
14 questions to that. One is did you look at the
15 difference between advertising on television
16 and magazines because I do see page after page
17 after page of DTC advertising in magazines,
18 and I would be curious about the populations
19 targeted there. I haven't looked at a
20 sampling of different kinds of magazines that
21 are targeted at different populations, but I
22 think that might be useful.

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1 And lastly, the whole issue of
2 first amendment free speech, which I know the
3 drug companies feel very strongly about, that
4 this is a way to get patients information that
5 they would have otherwise. They wouldn't have
6 access to. They wouldn't know that they might
7 need treatment, and I wonder if we have any
8 data or have access to any data on whether
9 that argument really does hold up and people
10 are getting treated for various conditions
11 that they wouldn't otherwise have even known
12 they had had it not been for the advertising.

13 MR. LORD: Yes.

14 MS. GREENBERG: That's they be in
15 the same magazine or on television.

16 Thank you.

17 MR. LORD: Well, I'm getting this
18 recency effect here as to the last part. I
19 think the work by Joel Wiessman indicated that
20 he had a figure of about 25 percent of office
21 visits that were DTCA inspired resulted in new
22 diagnoses. This is from memory, but there is

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1 some data in his study on that.

2 I mean, it is a subject that's come
3 up in some of these studies. In fact, In I
4 believe it's the Datti/Carter study, they
5 indicated that a certain percentage of senior
6 citizens and elderly people who went in
7 because of a DTCA ad were referred for further
8 treatment as one of the effects of the office
9 visit.

10 So there seems to be an increase in
11 office visits, and as a result, there are data
12 points on these issues, in other words, is
13 what I'm trying to say.

14 Was there something else I missed?

15 I'm sorry.

16 MS. GREENBERG: I was just curious
17 about the difference between television
18 advertising and magazine advertising or print
19 advertising and whether sort of populations
20 and effectiveness or the -- I mean, this is
21 also all the information you provided, it
22 doesn't distinguish between the two. Have you

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1 looked at any data that does?

2 MR. LORD: Some of them do
3 distinguish just by virtue of you have to look
4 at the studies themselves. The general
5 question of have you seen direct-to-consumer
6 ad for prescription medication and those
7 exposures combine them both.

8 In general, and this is from
9 memory, I think that something in the order of
10 20 percent, 27 percent of people remember
11 print advertising and many more of them
12 remember the television advertising, but these
13 figures are in some of these studies. I just
14 can't pull them out.

15 CHAIRMAN FISCHHOFF: We have five
16 people who'd like to speak, and we have a half
17 an hour panel, and we need to have a chance to
18 respond to them. So what I'm going to do is
19 I'm going to ask Betsy to ask her question
20 because she hasn't had a question yet, and
21 we'll go until 11:15 and then we'll thank the
22 speaker and then go on to the panel.

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1 DR. SLEATH: Okay. Thanks.

2 I enjoyed your review, but I just
3 had a question. Are you going to comment in
4 your review about who sponsored these studies
5 and, you know, were they sponsored by the
6 industry or NIH, other things like that?

7 And I would urge you, as other
8 people have already mentioned, to put in
9 information about the limitations of the
10 study, the quality like many other evidence
11 based reviews do. They comment on that kind
12 of stuff, but my main question was the
13 sponsorship of these studies.

14 MR. LORD: Well, in our overall
15 task with FDA, we do have a full disclosure
16 element. Many of the authors don't do full
17 disclosure. Most of the ones in the peer
18 reviewed journals, it's difficult to assess.
19 If people don't give full disclosure, then
20 it's difficult to do to make a determination.

21 DR. SLEATH: I don't necessarily
22 mean full disclosure if they're consultants

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1 for things, but who has been paying for these
2 actual studies to be done? That's got to be
3 stated. Typically when I publish articles you
4 put that up front.

5 MR. LORD: Well, right. That was
6 missing from the presentation.

7 CHAIRMAN FISCHHOFF: One more
8 question and that will be Christine.

9 DR. BRUHN: At the risk of pointing
10 out the obvious, the study where the African
11 Americans were sitting in the doctor's office
12 and they were asked is really not comparable
13 to the general population. It's fascinating
14 data, especially as you go along and see who
15 got the drugs that they were requesting, but I
16 just wanted to point out that it's comparing
17 apples and oranges.

18 MR. LORD: Yes.

19 DR. SLEATH: Something more
20 representative would be a general population
21 study that then pulled out specific
22 demographic groups.

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1 Since you didn't present that, I
2 suspect then those broad scale studies did not
3 have a large enough sample of the ethnic
4 groups to pull out. There's not even any
5 Asians here.

6 MR. LORD: That's right, yes. The
7 data is pretty rare. I mean, I can't stand
8 here and say it doesn't exist, but we haven't
9 finished our review, and it's by no means
10 exhaustive yet, and I'm certainly aware that
11 this wasn't a random representative sample of
12 the population.

13 I mean, clearly these people are
14 active medical consumers. So absolutely
15 right.

16 CHAIRMAN FISCHHOFF: Thank you very
17 much.

18 MR. LORD: Thank you.

19 CHAIRMAN FISCHHOFF: I guess it's
20 always good leaving the audience wanting to
21 ask more. So thank you very much.

22 We'll now have comments from two

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1 consultants, from Craig Andrews and Cheryl
2 Holt, and maybe it would make sense for the
3 two of you to go back to back and then to join
4 us again, take questions, and we'll have a
5 general discussion.

6 DR. ANDREWS: Okay. Thank you,
7 Baruch.

8 It's a pleasure for me to present
9 some information on advertising and how it's
10 being processed by the elderly or older
11 consumers, children and minority consumers,
12 and basically what I'm going to do is a little
13 different track than what Andreas has done. I
14 want to talk a little bit about how
15 advertising work, and so I'm kind of a
16 representative from academia, from the
17 marketing, advertising, consumer behavior
18 area.

19 I also want to work in theory a
20 little bit. So I'm going to talk about that.

21 I think it's an important framework because
22 you have conflicting studies. You have gaps

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1 in the literature. So I'm going to do that as
2 a little overview.

3 Some of you are probably wondering
4 about these icons up here. When Lee and Nancy
5 first asked me to do this, I thought of prey
6 and sharks and all of that, but I'm not sure
7 if the scuba diver doesn't have a stun gun or
8 a harpoon there or a shark cage, or if I talk
9 to my friends from economics maybe the
10 argument that there are fewer sharks in the
11 world out there.

12 So there's different perspectives,
13 and I want to talk a little bit about that's
14 something I learned at the FTC.

15 A little bit quickly on my
16 background. It's a varied background. My
17 Ph.D. is in marketing. I've studied
18 advertising and its effects for about 25
19 years.

20 Also, especially on public policy
21 and public health campaigns, and this is the
22 result of my work at the Federal Trade

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1 Commission back in 1992 and '93. I worked in
2 the Bureau of Consumer Protection. I was
3 involved in about 50 cases on ad copy testing
4 and was a consultant for them for many years.

5 Editor of Journal of Public Policy
6 and Marketing, and we had special issues on
7 direct-to-consumer prescription drug
8 advertising a few years ago.

9 Also, an interesting activity was
10 with BCEP, the Behavior Change Expert Panel,
11 and this was part of the National Youth Anti-
12 drug Media Campaign with Ogilvy and ONDCP.
13 And we did a lot of work on tracking, on copy
14 tests, on theory that was set up for that
15 campaign and especially with multi-cultural
16 segments, although that's not my particular
17 area of expertise, but we did have folks in
18 that particular area.

19 I thought I'd throw in a slide
20 because I learned a few things at the FTC when
21 I was there, especially from my friend Mike
22 Mazis, and there's different perspectives.

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1 Everybody has many different disciplines here,
2 and I'm going to be coming from the
3 psychological perspective where we're looking
4 at the maximization of information as far as
5 the effects of information and the impact of
6 that.

7 That's very different from the
8 economic perspective. We had economists at
9 the FTC, and so they were looking at
10 maximizing interests maybe of sellers or as
11 far as minimizing any sort of problem, let's
12 say, or issues in the marketplace.

13 Also, a legal perspective where you
14 may be minimizing costs, maybe regulation or
15 laws; the consumer perspective as far as maybe
16 providing maximum information for consumers,
17 and there's many other stakeholders there.

18 But my point is that I think the
19 first month when I was there of the full year
20 I tended to list because there was a lot of
21 people not seeing each other because of many
22 different disciplines, and it was just a

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1 matter of different perspectives that they
2 were taking.

3 Today what I'm going to do with
4 consumer behavior, we take that first
5 perspective. It's more of a social science
6 perspective on trying to maximize the benefits
7 or effectiveness of information.

8 All right. I guess advertising is
9 a very interesting area. There's a lot of
10 factors involved in it. Certainly we get
11 involved in trying to split that from sales
12 promotion, pricing, product issues. So it can
13 be very difficult.

14 But one icon up there, it's a
15 little small, but it's one of these "is
16 anybody out there" sort of approaches versus
17 advertising that's in your face. And I
18 thought there's many different theories out
19 there to help explain processing of
20 advertising, and I picked two in particular.
21 We talked about these quite extensively with
22 the National Youth Anti-drug Media Campaign.

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1 There are many others.

2 Some of you may not be aware of
3 some of these others, like Aad Theory or
4 integrative information response model issues,
5 but the ELM I think is fascinating, and it
6 touches on a lot of issues, especially with
7 vulnerable populations, and as a framework for
8 the studies, I think certainly information
9 processing and hierarchy of effects theories
10 are quite helpful.

11 One of my favorite articles of all
12 time is by Vakratsas and Ambler, basically how
13 advertising works. What do we really know in
14 general marketing? And this was a set of 250
15 -- and I want to emphasize -- peer reviewed
16 articles, and these were very carefully done
17 studies. Most of the funding for these
18 studies were internal business grants from
19 different colleges of business out there, but
20 it was an impressive set of studies that they
21 reviewed to see exactly what happens as far as
22 processing of advertising.

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1 Obviously you have a lot of message
2 content issues. There was a great question
3 earlier about media related issues. We worked
4 extensively on the National Youth Anti-drug
5 Media Campaign with media specialists. You
6 have repetition factors, scheduling, target
7 markets.

8 But then there are filters, and
9 this is more of the ELM issue where people
10 have certain motivation as far as involvement
11 to process information. Their ability as far
12 as their knowledge, their skills, everything
13 that they're bring into the table, and
14 opportunity to process. So some might be
15 distracted, not have access to information,
16 and so those are important filters as far as
17 how it works.

18 Then we get into hierarchy of
19 effects issues where, for example, on a low
20 involvement it might be minimal cognition on
21 the brand action or conation and some sort of
22 affect later.

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1 So there's different orderings, and
2 Vakratsas and Ambler did a great job in trying
3 to integrate all of those different studies
4 and then finally we have consumer behavior as
5 some of the outputs.

6 There won't be a quiz on this one
7 afterwards, but actually I was fortunate to do
8 my dissertation on this particular model, and
9 this was used also quite heavily in some of
10 these other campaigns, and the ELM is a
11 fascinating model that integrated for some of
12 you who are aware of this, but Richard Petty
13 and John Cacioppo had integrated many, many
14 different theories in social psychology, and
15 it has been widely applied in advertising.

16 But the key is in the areas that I
17 point out in red. The receiver is motivation
18 ability and opportunity to process the
19 message. So maybe a particular patient is
20 very highly involved, and they're going to
21 scrutinize; they have the requisite ability,
22 also opportunity maybe in a print ad, and

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1 maybe it's a Prilosec ad or, let's say,
2 Celebrex going back a few years. Maybe
3 they're going to really scrutinize the
4 arguments, the benefits and risks, that brief
5 summary.

6 However, there are a lot of other
7 people who may be deficient in one of these
8 factors, so many not have involvement, but
9 what's more of concern to me especially in
10 vulnerable populations is with no having the
11 requisite knowledge or ability to retrieve
12 that knowledge or access the certain media.
13 So maybe in those venues their elaboration is
14 very low, and they're going to look at like I
15 saw last night maybe this gentleman who
16 discovers a wedding, his tux. I don't know if
17 you've seen the ads. I think it's Viagra, and
18 then he's showing up with flowers and other
19 sorts of things, or there's musicians
20 laughing, and that's at the very same time as
21 when the risk information is being presented,
22 and usually it's in the middle of the ads.

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1 So central processing is up at the
2 top where they do have motivation, ability,
3 and opportunity to process the message, and
4 that's going to lead to more enduring attitude
5 change. It's very deep processing.

6 Peripheral route processing can
7 occur where maybe they're attracted by these
8 sources, the execution in the ad, and that's
9 more of a short-term processing at the
10 surface, but nonetheless, it still can lead to
11 attitude change in behavior.

12 The range in between is very
13 interesting. I'm going to talk about this
14 later with different vulnerable populations,
15 where they may be attracted to the execution,
16 and that's where it's more of a moderate
17 level, and to think more about the particular
18 message and the benefits and risks.

19 Okay. William McGuire's eight
20 stages of information processing is more of an
21 organization tool, I think, and admittedly
22 there was a question earlier about the later

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1 stages on consumer decision making and action,
2 and I agree. There's not nearly enough
3 research in that particular venue. But we're
4 going to concentrate primarily on recall
5 issues, unaided recall recognition up in
6 number two, comprehension agreement. That's
7 where really you see the bulk of the research.

8 But I totally agree that we haven't
9 done enough, I think, in these other areas.

10 Okay. What I'm going to do is kind
11 of defer to some of my colleagues that had a
12 fantastic review, and I provided this to Lee.

13 Carlyn Bonifield and Cathy Cole had a very
14 recent review on over 80 and these were peer
15 reviewed articles, many of them experimental
16 studies, on advertising to vulnerable
17 segments, and it primarily focuses on older
18 adults and children, and it's a fantastic
19 review, and I would really refer you to these
20 areas.

21 These are more generalizations as
22 well, but I thought that it was pretty much on

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1 target with what they were presenting.

2 As far as recall is concerned,
3 compared to younger consumers there were a
4 number of generalizations that they found.
5 Older consumers tended to recall different
6 executional elements. So there was a study by
7 Philips and Stanton that reviewed a very large
8 commercial advertising research database, and
9 of all the executional elements, older
10 consumers tended to focus on those two.

11 Many studies that they tend to pull
12 out emotional aspects of the ads rather than
13 rational aspects, rather than information, and
14 there's a lot of reason for that. Obviously,
15 it's difficult maybe to retrieve information
16 due to cognitive deficiencies.

17 Cathy Cole, who really I should
18 give her a lot of credit, specializes in our
19 field in consumer behavior and a lot of
20 studies on the elderly and how they process
21 information. And with Mike Houston, they co-
22 authored a study in general marketing research

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1 that showed that elderly or older consumers --
2 and I think these were on average the age of
3 60 through 91, I think, on average, maybe 75
4 -- recognized less for both print and TV, but
5 the learning deficits were greater for TV, and
6 that would be understandable because you have
7 presentation rate issues that come into play.

8 Also as part of that study, they
9 found that the elderly were less capable of
10 deep semantic processing of print. They
11 tended to analyze things more in a sensory
12 fashion.

13 Finally, she did a separate study
14 and found that with increased repetitions,
15 this helps with recall. Now, for younger
16 consumers, it turns them off a little bit, but
17 it helps with older consumers. But there's a
18 problem with the truth effect, and I don't
19 know if any of you have heard of this before,
20 but the more times that it's repeated, what
21 they found is that, well, maybe it should be
22 true or it is true.

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1 In fact, there was a study cited
2 where it was actually a false statement that
3 was repeated, and in a short term the older
4 consumers were able to detect that false
5 statement, but after three days they felt it
6 was true. So it's an interesting set of
7 studies for that.

8 Comprehension and persuasion
9 compared to younger consumers. Older
10 consumers tend to have more difficulty with
11 presentation rates, an easier time with text,
12 and that's not, I think, that surprising.

13 They're better when information is
14 expected in a standard place, and I know we've
15 had researchers like James Betman and others
16 take a look at the placement of warnings and
17 other disclosures and how that affects
18 processing.

19 Something that I was involved in, I
20 know, when I was at the FTC. The elderly tend
21 to have a little more of a problem with
22 implied claims. So there was a study on

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1 tires. I think it went drive safely in the
2 winter; use Brimstone, as a fictitious brand,
3 Brimstone tires versus you'll be safer if you
4 use that particular brand.

5 And the elderly had difficulty in
6 verifying the accuracy of some of the implied
7 claims with that.

8 And then just in general they tend
9 to use more peripheral processing, as I said
10 before, than central processing.

11 Finally, there's coping strategies.

12 Compared to younger consumers, they tend to
13 look for information in different places, and
14 I know I was talking to several people before
15 about this. There were studies of financial
16 services that show that they tend to look
17 pretty much at TV and not on the Internet
18 compared to younger consumers.

19 But there are some problems, too.
20 They tend to delegate and to avoid making
21 decisions. So that certainly can be an issue.

22 Okay. With children, I have to

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1 cite another colleague who is well known in
2 our field, Debbie Roedder John at University
3 of Minnesota, and she came up with a number of
4 variations from Jean Piaget's work to classify
5 kids based upon different age levels, and she
6 called the kids under age seven the limited
7 processors; those between seven and 11 were
8 more acute processors. So if you provided
9 instructions or cues, they were able to recall
10 more.

11 And then finally strategic
12 processors that were age 12 and older, and
13 they recalled as much as adults. But
14 basically as opposed to retrieval issues, it
15 was more of the level of knowledge, explaining
16 factors and differences on recall.

17 Next, on comprehension of
18 persuasion, a couple of studies that were
19 cited, I think by age five most children -- I
20 think the percentage is about 62 percent --
21 were able to distinguish between advertising
22 and programming, and by age ten it was about

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1 100 percent, and this was a big issue I
2 remember in the late '70s for those that might
3 remember. There were some hearings at the
4 Federal Trade Commission over advertising in
5 the late '70s.

6 By age eight, most children were
7 able to understand the persuasive intent of
8 advertising. I think that figure was about 87
9 percent, and again, did I say eight or ten?
10 By age eight, and by ten it was again close,
11 99 percent, 100 percent.

12 There's something known as
13 persuasion knowledge or skepticism, and there
14 has been a lot of research on that. Friestad
15 and Wright have had a number of articles in
16 Journal of Consumer Research on this, and it's
17 more about a coping strategy. And this
18 skepticism tends to develop as they age.

19 But I want to caution on this. A
20 lot of the studies tend to talk about
21 advertising in general, and I believe that's
22 different from specific brand advertising.

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1 The child's emotions certainly can override
2 persuasion, knowledge, and there were a couple
3 of studies cited on that.

4 Finally coping strategies. I
5 remember this one vividly. We were looking at
6 Mary Brucks who had design experience, and
7 they had a true-false quiz that they gave on
8 whether or not the particular ad in question
9 that was on toy products was providing
10 information realistically, did it look better
11 than normal, and so forth. So it was a series
12 of true-false questions on a quiz that
13 provided these defenses or coping strategies
14 for kids.

15 Okay. This is a troubling area.
16 There's not as much research in our field in
17 this particular area. We do have some experts
18 like Tommy Whittler like DePaul that have done
19 a number of studies and Rohit Deshpande, but
20 what I want to do is summarize what I found.

21 And I have also had requests from a
22 number of colleagues as well. There are

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1 clearly differences from qualitative studies
2 on acculturation, identification issues. Lisa
3 Penaloza has done a number of studies looking
4 at the Hispanic-Latino/Latina populations.
5 Examples that were very troubling on focusing
6 just on symbols and just not understanding
7 exchange rates and other sorts of things on
8 information that was provided in advertising.

9 Something I learned at the National
10 Youth Anti-drug Media areas is there were
11 clear difference on processing. Basically we
12 had some of the campaigns aimed at adolescents
13 as well as parents, but, for example, with
14 Asian parents they were focused primarily in
15 print in their own language as opposed to
16 bilingual kids that were totally different as
17 far as their media access.

18 And then obviously there's been a
19 lot written on the digital provide, as well,
20 but we have to remember that that's step one
21 in information processing on exposure.

22 Okay. A couple of studies on

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1 persuasion, and this was by Tommy Whittler and
2 some colleagues. For African American
3 consumers, their evaluations of the ad were
4 far more favorable when there were African
5 American versus white models, but this was
6 just for those that had a strong identity with
7 their own culture.

8 Rohit Deshpande also did one that
9 was somewhat similar as far as out versus in
10 ethnic groups with Hispanic consumers. They
11 found them to be more trustworthy and more
12 favorable than let's say the out group, the
13 other groups.

14 So some of these coping strategies
15 clearly come from this as far as just focusing
16 on branding, which is very powerful other
17 symbols, friends and so forth to help with the
18 processing.

19 All right. Again, my area is
20 primarily on evaluating public health
21 campaigns, a lot of nutrition research, anti-
22 tobacco research, graphic warnings, a little

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1 bit in this area, but it's interesting from
2 the earlier comments from Nancy and others,
3 Kristin, about differences between the FTC and
4 the FDA, and something that came to mind was a
5 study we did a number of years ago. We looked
6 at over 1,600 commercials in prime time TV,
7 and what we wanted to look at was the
8 disclosures that were provided and whether or
9 not they held up to what's known as a clear
10 and conspicuous standard, which has about
11 eight different provisions for dual modality.
12 That's both audio and visual, type size,
13 contrast effects, free of distraction,
14 proximity issues, and so forth, and as well as
15 the audience, and almost none of them did, as
16 you might expect.

17 But in this particular study, you
18 know, I thought that there might be, and it's
19 great to see on the amendments that they're
20 thinking about this, that this might be a
21 consideration for them to look at. There's
22 different language. Sometimes it's clear and

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1 prominent. There's information on Internet
2 advertising I believe that the FTC was
3 involved in as well.

4 One thing we discovered, and we
5 kind of coined this phrase in our study, was
6 known as competing modality. We noted that
7 seven percent of commercials with disclosures
8 had this effect, and they were all DTCA ads
9 where it was basically the risk information
10 was provided in the middle, and there was
11 always some sort of distracting visual going
12 on at the same time in the provision of that.

13 They're reminding me of earlier
14 corrective ad cases at the FTC where maybe the
15 important information was buried in the middle,
16 and as we know with primacy and recency effects,
17 that's a real problem. So, for example, a
18 primacy effect would be assured under higher
19 involvement, a recency effect more under low
20 involvement, in other words, the last thing that
21 you would say. You never want to have it in the
22 middle of the

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