

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

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FOOD AND DRUG ADMINISTRATION

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RISK COMMUNICATION ADVISORY COMMITTEE

+ + + + +

MEETING

+ + + + +

FRIDAY, AUGUST 15, 2008

The meeting came to order at 8:00

a.m. in room 1066 of 5630 Fishers Lane,
Rockville, Maryland. Dr. Baruch Fischhoff,
Chairman, presiding.

PRESENT:

- BARUCH FISCHHOFF, PHDCHAIRMAN
- LEE L. ZWANZIGER, PHDDFO/EXECUTIVE SECRETARY
- CHRISTINE BRUHN, PHDMEMBER
- ANNAMARIA DESALVAMEMBER
- MICHAEL GOLDSTEIN, MDMEMBER
- PRERNA MONA KHANNA, MD, MPH MEMBER
- MADELINE Y. LAWSON, MSMEMBER
- MUSA MAYER, MS, MFAMEMBER
- LINDA NEUHAUSER, DrPH, MPH MEMBER
- JOHN E. PALING, PHDMEMBER
- ELLEN M. PETERS, PHDMEMBER
- BETSY LYNN SLEATH, PHDMEMBER
- MARIELOS L. VEGA, BSN, RNMEMBER

OTHERS PRESENT:

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DAVID SMITH, PHD INDUSTRY REPRESENTATIVE
HEIDI REBELLO DEPUTY ASSISTANT COMMISSIONER
FOR PUBLIC AFFAIRS
NANCY OSTROVE FDA STAFF

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1 P-R-O-C-E-E-D-I-N-G-S

2 8:11 a.m.

3 CHAIRMAN FISCHHOFF: Okay. Let's -
4 - I think we have a quorum. I think we have a
5 quorum and let's start now. Let me think
6 members of the committee for coming and
7 continuing to contribute their service and
8 members of the audience for listening to us,
9 and as -- just in case there is anybody new,
10 who wasn't here yesterday, we'll introduce
11 ourselves now and then begin the program.

12 There is time at 10:30 for -- at
13 10:30 there will be time for an open public
14 hearing. If there is anyone who hasn't signed
15 up and would like to sign up, let me invite
16 you to talk to Lee during the break and we can
17 put you on. We value -- we've had actually
18 excellent input from our -- from the audience
19 in each of our meetings. So, our designated
20 federal officer will do what she has to do.

21 MS. ZWANZIGER: Thank you, Dr.
22 Fischhoff. Good morning and welcome

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1 everybody. And thank you for being here. As
2 was read in full yesterday, let me just
3 briefly reconfirm that based on the submitted
4 agenda for this meeting and all financial
5 interests reported by the committee
6 participants, it's been determined that no
7 interest in the firms regulated by the Food
8 and Drug Administration present potential for
9 conflict or appearance of a conflict of
10 interest at this meeting.

11 Should the discussion turn to an
12 area of possible financial conflict,
13 participants are aware of the need to identify
14 any conflicts pertaining to them and to
15 refrain from participating and their statement
16 and exclusion will be noted for the record.

17 Thank you.

18 CHAIRMAN FISCHHOFF: Well, now to
19 brief introductions and then get to our
20 program. I'm Baruch Fischhoff. I'm the
21 chair, and I'm in the Departments of
22 Engineering and Public Policy and Social and

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1 Decision Sciences at Carnegie Mellon
2 University.

3 MR. PALING: Good morning. I'm
4 John Paling. I am an American. I live in
5 Gainesville, Florida, and I will take public -
6 - a minute or two just to introduce myself,
7 since I'm speaking this morning and I tend to
8 be the exception to my colleagues around the
9 room here.

10 My background was that I was a
11 professor of biology at an English university.

12 While I was there, a gang of us started to
13 make wildlife films. Made the very first Nova
14 film eons ago. Spent 25 years making wildlife
15 films, learning how to intuitively as my
16 colleague Mona across the way does, think what
17 the public need in order to understand the
18 scientific message that we tried to put over.

19 Since that time, I have spoken at
20 many conferences, many of them medical. And
21 I've always introduced myself jocularly as the
22 least academically qualified of my colleagues

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1 here. And that is true. I don't say it in a
2 flattering way. Because I think the most
3 dangerous thing is someone with marginal
4 charisma to admit their ignorance and expect
5 you to believe or respond to what they say.

6 However, because my experience is
7 of speaking to hospitals, health care
8 organizations, particularly doctors, also
9 working with universities in helping patients
10 understand risks, I think I see things from a
11 slightly different perspective. And it's that
12 that I will be offering.

13 But I do defer to the wisdom and
14 greater scientific accuracy and the values of
15 maintaining the scientific values as the
16 predominate way the FDA works. So, I'm
17 delighted to be with you and thank you for
18 your attention.

19 MS. MAYER: I'm Musa Mayer. I'm a
20 breast cancer advocate. I also have written
21 several book and work as a journalist. So,
22 it's really my expertise is a communicator

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1 with patient communities that brings me here.

2 MS. PETERS My name is Ellen
3 Peters. I'm a Decision Psychologist from
4 Decision Research in Eugene, Oregon. We're a
5 not for profit research institution. I study
6 how people process information and how that
7 makes a difference to judgments and decisions
8 that they might make. And look towards using
9 some of those descriptive models in order to
10 help, try to help figure out how to help
11 patients and others make better decisions.
12 Thank you.

13 MS. SLEATH: Good morning. I`m
14 Betsy Sleath. I'm a professor of
15 Pharmaceutical Outcomes and Policy at the
16 University of North Carolina, Chapel Hill. My
17 research focuses on how providers and patients
18 talk about medications during actual visits
19 and how that impact patient outcomes.

20 MS. DESALVA: Good morning. I'm
21 Annamaria DeSalva. And I lead the Global
22 Healthcare Practice at Hill and Knowlton. And

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1 Hill and Knowlton is a global public affairs
2 and public relations firm. And we work with
3 organizations throughout healthcare, solving
4 different kinds of communications problems.
5 And this morning, I'm going to be talking
6 about how the industry in particular, tries to
7 solve for important communications challenges
8 when there's an urgent or crisis, or bordering
9 crisis risks situation.

10 MS. NEUHAUSER: Good morning. I'm
11 Linda Neuhauser. I'm a professor of Community
12 Health and Human Development at the School of
13 Public Health, University of California,
14 Berkeley. My main interests are in
15 translating research into practical programs
16 and participatory design with diverse
17 audiences for large scale communication.

18 MS. LAWSON: Good morning. I'm
19 Madeline Lawson, and I'm the President, CEO of
20 the Institute for the Advancement of Multi-
21 cultural and Minority Medicine based here in
22 Washington, D.C. And our primary focus is on

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1 addressing health disparities.

2 MS. BRUHN: Good morning. I'm
3 Christine Bruhn with the University of
4 California at Davis. I'm in the Department of
5 Food Science and Technology and Director of
6 the Center for Consumer Research. And my work
7 focuses on consumer attitudes, practices,
8 behavior and education regarding foods, food
9 safety, food technologies, so forth. Thank
10 you.

11 MS. VEGA: Buenos dias. My name is
12 Marielos Vega. And I am a staff nurse for the
13 Department of Family Medicine at the New
14 Jersey Medical School. What I also have to
15 bring to table like this is the voice of
16 minority populations. Thank you.

17 MS. KHANNA: Good morning. My name
18 is Prerna Mona Khanna. I'm a journalist and
19 physician, with specialities of internal
20 medicine, public health and occupational
21 medicine. My practice of medicine is limited
22 to charity care and volunteer work. I'm a

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1 Texas Medical Ranger. And my full-time non-
2 charitable work, is as a medical journalist.
3 I'm a former print reporter, medical
4 correspondent for CBS Television, and
5 currently serve as the Medical Editor for
6 ICyou.com, a social networking site for
7 health.

8 MR. GOLDSTEIN: Good morning
9 everybody. I'm Michael Goldstein. I'm the
10 Chief of the Mental Health and Behavioral
11 Sciences Service at the Providence VA Medical
12 Center, which is a new job for me. And I'm
13 also an adjunct professor of psychiatry and
14 human behavior at the Warren Alpert Medical
15 School of Brown University. And my interest
16 and expertise is in behavioral interventions
17 to enhance health behavior change within
18 health care settings, particularly in primary
19 care settings. And I'm interested in, have
20 done research in clinician-patient
21 communication on many different levels.

22 MR. SMITH: Hi. I'm David Smith.

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1 I am vice president of research and
2 development and quality for Pepperidge Farm.
3 And obviously, consumer communication is key
4 to all of us in the food industry.

5 DR. OSTROVE: Good morning. I'm
6 Nancy Ostrove with the Food and Drug
7 Administration. Senior Risk Communication
8 Advisor in the Office of the Commissioner.

9 CHAIRMAN FISCHHOFF: Let me thank
10 you all. There are three members of the
11 committee who are not here right now. Sally
12 Greenberg was a liaison from, Sally Greenberg,
13 rather.

14 DR. OSTROVE: She's actually
15 member.

16 CHAIRMAN FISCHHOFF: Sally
17 Greenberg, who had a scheduling conflict.
18 David Moxley who's sick, and Jacob DeLaRosa
19 who was here yesterday, but had some sick
20 patients and went back last night.

21 It's also it's my sad duty to say
22 goodbye to two, actually, two members of our

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1 committee here, and one in absentia. That
2 when FDA set up this committee, they assigned
3 us terms of one, two, three and four years.
4 So, that once the committee as a whole came up
5 to speed, we wouldn't lose all of our
6 institutional memory at once.

7 And Marielos Vega and Linda
8 Neuhauser and David Moxley got the one-year
9 terms, I think sight unseen, and I'm really
10 very sorry to be losing your expertise. I
11 understand that there's still the opportunity
12 to keep you on as special government employees
13 if you'll fill out a little bit of paperwork,
14 well, maybe a lot of paperwork. I don't want
15 to soft sell the burden.

16 And I hope that we've managed to --
17 well, I assume -- I know that we've managed to
18 incorporate some of your perspective, but
19 that's not the same thing as having you at the
20 table and interpreting them for everything.
21 So, let me thank you for your service, and
22 hope that we haven't seen the last of one

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1 another. So, thank you.

2 DR. OSTROVE: And I'd also like to
3 add my thanks and extreme appreciation,
4 Marielos. And both of you just having Linda
5 and Marielos here and David, and we're -- I
6 hope he's feeling better -- has just been
7 fantastic for us. I mean, this is like the --
8 I mean, it's our third meeting, but the group
9 is really jelling. And it's just -- yesterday
10 was fantastic. I have to say.

11 And you two have just been such
12 wonderful participants in these discussions
13 and we've learned so much from you already.
14 My expectation is, is that we do, you know,
15 want to continue to have access to your
16 expertise, and hope that you'll be willing to
17 continue to fill out the paperwork so that we
18 can do that.

19 And there are opportunities to be
20 guest members of the -- at the meetings as
21 well as to work with you individually. I'm
22 really bad at this kind of thing. But I

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1 really echo Baruch's sentiments and want to
2 thank you very much for your participation and
3 your willingness to do what needs to be done
4 to be a member of one of these committees. I
5 don't think the public realizes how much is
6 involved.

7 So, once again, thank you very
8 much.

9 MS. NEUHAUSER: We appreciated being
10 on the committee and all the important work.
11 I know it will go on extremely well.

12 MS. VEGA: And I also want to thank
13 you, and thank everybody for being so
14 wonderfully friendly. I mean, I think all of
15 us have become good friends, co-workers. So,
16 I definitely plan to continue to the degree
17 that it is allowed, be part of this important
18 mission. Because we need to put ourselves to
19 work. And I'm not the type of person who will
20 sit in an office and let things go by without
21 doing anything. So, my services will always
22 be available, if needed, thank you.

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1 CHAIRMAN FISCHHOFF: There is, I
2 guess, it's nice to have the paperwork
3 amortized over two, three and four years,
4 rather than just one. On the other hand, I
5 imagine that you know, when the history of
6 this committee is written, the people who were
7 in at the beginning, will have had
8 disproportionate impact on how we, on how the
9 work was shaped. So, I really -- we really
10 appreciate that.

11 What we're going to do today is to
12 talk about -- I mean, one of the many
13 wonderful things about this committee, is that
14 although almost everybody here has scientific
15 training, there only
16 -- it's a minority of the committee that are
17 actually practicing scientists in the area of
18 communication. And I think that that's -- you
19 know, as one of those people, I think it's
20 been an enriching experience for me to see
21 what are the -- to find new ways of being
22 useful, and find out that we're less useful

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1 than we thought, and have some additional work
2 to do.

3 And today, we're going to be
4 hearing from three people who will be talking
5 about the, sort of how the work expresses
6 itself in the context of preparing for and
7 dealing with emergency situations. And so
8 we'll be, you know, learning from their
9 experience and extracting the messages that
10 are relevant to FDA's practice. We'll be --
11 either they'll be telling us, or we'll be
12 inferring for ourselves where the science has
13 been useful, and where the science has
14 additional challenges.

15 The first two speakers will be
16 AnnaMaria DeSalva and John Paling from the
17 committee, and then we'll hear from Heidi
18 Rebello from FDA staff. So, AnnaMaria, take
19 it.

20 MS. DESALVA: Here we go. I got
21 it. Okay, thanks Lee.

22 Good morning. And I really want to

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1 thank you for inviting me to participate as a
2 presenter in this part of the discussion. For
3 me, it's been just a great pleasure to have
4 been a part of this committee. I'm sorry to
5 see Linda and Marielos move on. But look
6 forward to working with you hopefully in the
7 future.

8 I think the great value that I've
9 extracted from this experience, certainly has
10 been taking these discussions and thinking
11 about how they apply in my daily practice as a
12 communicator, supporting different kinds of
13 organizations, but certainly the industry many
14 times when there are special events and
15 special risk situations.

16 So, what I'd like to invite you to
17 do is to think about what's presented here,
18 which is really essentially a case study. And
19 to begin to consider how some of the themes
20 that we've been discussing over the last day
21 or so, some of the principles, some of the
22 processes apply.

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1 It's a little ironic, because as we
2 were going through all the presentations and
3 discussions yesterday, I was struck by how it
4 all kind of builds to this one particular
5 example that I've put together, which is
6 focused on medical technology. So, I'll be
7 curious to understand if you see some of the
8 same similarities.

9 Of course, the industry is involved
10 constantly in risk communication. And it
11 really ranges according to the level of risk,
12 obviously in terms of the level of intensity
13 of the risk communication effort. This is not
14 meant to really be a formal categorization of
15 risk. But I just really meant to kind of
16 chunk out the way that we think about the
17 different types of risk that need to be
18 managed and need to be communicated
19 effectively.

20 It might start with the adverse
21 events that are associated with the
22 fundamental risk profile of the product. And

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1 that would be characterized by the product's
2 labeling and the clinical experience that was
3 developed in order to bring the product to
4 market.

5 It certainly could be emerging
6 risks that are newly defined by the post-
7 marketing experience of the product. And we
8 had some related discussion about that
9 yesterday. Sometimes, as a follow on to
10 emerging risk, we experience established risk,
11 or there are risks that are clearly identified
12 that present a material threat to patient
13 safety, and around which there must be some
14 form of intervention or some form of control.

15 And then of course, the worst case
16 scenario is, is that there is a life-
17 threatening risk of a significant and
18 intolerable nature where there's you know,
19 some sort of a radical change, or certainly
20 withdrawal of the product that may be
21 required.

22 And there's a range of both general

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1 and special controls that the industry employs
2 to manage this type of risk, whether you're
3 talking about a drug or a device. And I'm
4 having a few formatting issues here. Sorry
5 about that.

6 But they may range from special
7 labeling changes, to you know, enhanced post-
8 marketing surveillance in terms of post-market
9 studies and registries, medication guides, the
10 risk evaluation and mitigation strategies, the
11 REMS programs now that are being adopted in
12 the drug's phase.

13 You know, moving all the way to
14 temporary suspensions of marketing when there
15 are important safety questions that must be
16 addressed. And then recalls, which at least
17 in the device world, may include some sort of
18 a correction, but also of course, involve
19 full-on withdrawals of products.

20 And in each of these cases, or in
21 many of these cases, there's some combination
22 of both persuasive communication and non-

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1 persuasive or explanatory communication. I've
2 decided today to share with you basically a
3 composite case study, drawing on some
4 experiences I've had, and colleagues of mine
5 in the industry have had.

6 And I've decided to focus on the
7 device space. Because devices can be so
8 difficult to communicate around for many of
9 the reasons that we were discussing yesterday.

10 And oftentimes, when you have a high-risk
11 situation, you are employing both persuasive
12 and also non-persuasive or explanatory
13 communication.

14 So for the purposes of our
15 discussion today, we're going to look at
16 emerging risk that's newly defined by a post-
17 market experience. And that becomes
18 established and around which there must be an
19 intervention, around which you know, industry
20 works closely with the agency to determine
21 what's the appropriate control and to
22 implement that control.

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1 So, as we go through this, it's
2 really a story and I'd also like to say, that
3 it's not often that industry people, frankly,
4 get to tap the expertise of such an
5 accomplished group. And so, I would really
6 love if as we go through this, if you would
7 consider ways in which the methods and the
8 processes that are outlined here can be
9 improved, or in which you would have some
10 direct, substantive input. It would be great
11 in the discussion period to go through that.

12 The goal in communication, I think
13 on the industry side, when there is a major
14 risk event, is certainly first and foremost to
15 minimize and manage the risk for the affected
16 patient population. So, we're sort of all on
17 the same page. It's really all about patient
18 safety. It's all about making sure that a
19 risk is aggressively managed and mitigated.

20 And so the, it's incumbent upon the
21 industry to define the risk, and to support
22 the appropriate interpretation of that risk.

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1 And that is of course, a tremendous
2 communication challenge. And then also to
3 create a clear pathway for risk mitigation,
4 both by patients and by healthcare providers.

5 There are other objectives. It's
6 from a commercial standpoint, obviously, many
7 responsibilities and many different types of
8 concerns. You know, hand in glove with
9 minimizing and managing risk is of course
10 preventing any undue fear, confusion, anxiety
11 and skepticism. So, we all know that
12 sometimes the fear factor can be worse than
13 the risk itself. And so the appropriateness
14 of the communication and the effectiveness of
15 the communication really counts in that
16 respect.

17 And everyone's skeptical of
18 industry. You know, it's a very negative
19 thing to say. And I don't mean to be
20 unnecessarily negative. But when you think
21 about one of the principles of risk
22 communication, which is how credible is your

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1 source, you know, unfortunately dynamics are
2 such in the environment today, that it can be
3 very challenging for industry to be very
4 credible on the issue of risk, and risk
5 management.

6 So we work very, very hard to make
7 sure that the motives are clear, the processes
8 and the data are clear and there is great
9 collaboration with stakeholders beyond
10 industry, and certainly, with the agency.

11 And that goes a long way to
12 demonstrating credibility, commitment and
13 trustworthiness, which of course is so
14 important in effective risk communication.
15 But also, the industry is looking to preserve
16 its ability to address a medical need. So,
17 sometimes with major risks, that need to be
18 controlled, you run the risk of you know,
19 throwing the baby out with the bath water.

20 Sometimes there is a product that
21 has a role to play, and there's some ambiguity
22 around the level of risk, or how that risk can

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1 or should be managed. And you know, industry
2 is going to want to preserve its assets
3 appropriately, and it's going to want to make
4 sure that its products can be used in an
5 appropriate manner and effectively manage
6 risk.

7 And that -- all of this helps to
8 pre-empt undue reputation damage. So, every
9 time there's a major event, a major quality or
10 patient safety issue, there is a tremendous
11 risk to corporate reputation. And corporate
12 reputation, of course, is a company's main
13 currency really. And so the stakes really
14 couldn't be higher in terms of managing these
15 situations effectively.

16 So, what are the critical success
17 factors? And I can certainly see that my
18 computer and Lee's is probably not directly
19 compatible. So, I'll talk you through what
20 these -- what the rest of these bullets say.

21 It's really about early integration
22 with risk evaluation processes. And you know,

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1 effective communication strategy has to start
2 very far up stream in the process. This don't
3 always happen. In the best case scenarios, it
4 does. And you know, oftentimes companies -- I
5 think healthcare companies are very committed
6 to communication. It's been my experience in
7 all my years in the industry, that companies
8 are investing more and more and more in
9 communication.

10 And a lot of them are building up I
11 think very sophisticated corporate
12 communications departments with senior people
13 who get pulled in, you know, at the level of
14 the executive committee, to work on emerging
15 risk as it occurs. But that's not always
16 true. And it can be very challenging when
17 it's not true.

18 Within the company, you have to
19 work in a very inter-disciplinary way,
20 prospective planning against major scenarios.

21 So, you know, major principle of crisis
22 communication is preparedness. And you do

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1 have an opportunity to anticipate the
2 trajectory of an issue and how you can plan
3 actively against it.

4 There needs to be, you know, rigor,
5 appropriate speed and transparency and lots of
6 stakeholder engagement to develop the correct
7 strategy. So, everything that Linda was
8 saying yesterday about, you know,
9 participatory strategy development was really
10 resonating with me. And it's something that
11 we employ in the industry for sure, to make
12 sure that we get both strategy and message
13 correct.

14 Intelligent participation in the
15 media coverage cycle, it's so important. And
16 it's difficult. It's a difficult dynamic
17 because the media are keenly interested in
18 healthcare, obviously, keenly interested in
19 risk and safety events. You know, rapidly
20 consume any information that comes out from
21 FDA on these subjects.

22 And you know, really oftentimes

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1 strive for accurate and responsible reporting,
2 but that can also, often be also a casualty of
3 speed. And so, the industry really needs to
4 be on its front foot and understand what the
5 needs of the media will be and understand how
6 to serve up the information in an appropriate
7 way, but one that's also useful in terms of
8 driving accurate coverage.

9 In terms of the application of
10 crisis and risk, crisis and risk communication
11 principles, you know, I think the crisis
12 communication principles are well known and
13 well-established in many places throughout the
14 industry. And increasingly, risk
15 communication principles and theory also is.
16 And the industry has different ways of
17 applying it.

18 I think you'll see from this
19 example, that it can be extremely challenging
20 to slow down, you know, and to apply those
21 principles in a very thoughtful way when
22 you're in an urgent situation. And

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1 oftentimes, the opportunity to do your most
2 thoughtful work in that respect happens
3 probably immediately after an urgent or crisis
4 event.

5 So, let me tell you a story then,
6 about a company. And imagine that this is a
7 medical device company that has a product
8 that's used to treat a chronic condition,
9 which may be causing material injury and
10 disability in a subset of patients.

11 There have been individual events
12 reported across the country, but the trending
13 analyses over a 12 month period, really don't
14 suggest a fundamental product safety issue.
15 And as many of you may know, the industry, in
16 medical device industry, has very
17 sophisticated surveillance and quality systems
18 management processes.

19 And so, typically there is on-going
20 vigilance. And when there's critical mass of
21 an adverse event, an investigation will be
22 tripped. And there are, you know, constantly

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1 on-going trending analyses.

2 So, in this case, trending analyses
3 aren't indicating a fundamental issue. But at
4 month 14 a prospective analysis indicates that
5 within a year, events may reach statistical
6 significance. So, they're not there yet. But
7 there may be a problem, and it's not known of
8 course, at this stage, what the root cause may
9 be. It could be due to either patient
10 demographics, or surgical implantation
11 technique. It's really looking like the two
12 most likely possibilities.

13 Based on the availability of some
14 acceptable treatments for the same condition,
15 and really out of an abundance of caution, the
16 manufacturer decides to recall the device,
17 removing it from the U.S. market. There's a
18 comprehensive and also very visible
19 announcement that ensues. And the root cause
20 analysis will determine if the device should
21 again be made available with a different
22 design, or with improved surgical technique

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1 training.

2 So, there is a very clear
3 communication, public announcement,
4 coordination with the agency. This is a
5 device recall of some significance given the
6 level of risk that is associated with the
7 adverse event. And it's unusual because this
8 isn't like -- it isn't happening frequently.
9 Again, the level of events has not reached
10 statistical significance.

11 So, in some respects, the level of
12 intensity and awareness of this recall is
13 disproportionate to the risk. And that's just
14 part and parcel of the company having to make
15 the decision to kind of do the right thing in
16 their view for patient safety.

17 So, how this plays out ultimately
18 is the root cause analysis determines that a
19 subset of patients who can be clearly
20 identified, are contra-indicated for this
21 device based on certain physiological
22 characteristics. So you know, we're able to

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1 basically identify the population that's at
2 highest risk and make sure that the -- if the
3 device becomes available again, that it is
4 used appropriately only in those patients for
5 whom there is acceptable risk.

6 With effective communication and
7 education, the manufacturer does hope to
8 reintroduce the device because it does address
9 an important unmet medical need. And the
10 manufacturer endeavors to advance both
11 knowledge and practice in risk management and
12 communication and approve clinical outcomes in
13 this affected patient population.

14 So, you've all heard the expression
15 inevitably with every challenge or crisis,
16 there's also an opportunity. And I think the
17 really smart, thoughtful companies recognize
18 that whenever there's adversity, whenever
19 there's a very complex, challenging situation
20 like this, it is an opportunity to kind of dig
21 deep. And not just do the right thing, but
22 use it as a learning experience for the

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1 industry and really create strategies and
2 programs that do advance knowledge and
3 practice.

4 So the other considerations that
5 will affect the strategy include these. This
6 company is a market leader and well-respected,
7 but it has experienced recently several
8 product quality issues and also some visible
9 corporate issues. So, you know, well-known,
10 well-regarded, but some of the recent history
11 creates a more complex communications
12 environment.

13 The media environment is intense
14 and reflects a keen interest in the subject of
15 post-market medical device performance.
16 Surgeons really like this device. They don't
17 see a problem with it. They trust it. They
18 count on it. A lot of them are going to be
19 frustrated by a conservative course of action.

20 And they will also be inconvenienced because
21 they will be burdened by having to explain to
22 their patients why this recall is happening.

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1 And it's going to you know, just be a drag
2 basically.

3 The nature of the adverse event is
4 understandable frightening to the few patients
5 who have it. It's you know, it's scary. And
6 there are actually far greater risks
7 associated with ex-plantation of this device
8 than maintaining the status quo, which is
9 something we discussed at some length
10 yesterday.

11 And then also, your key assumption
12 should be that this company is right-minded
13 and is concerned principally with patient
14 safety.

15 So, the continuum of planning that
16 a company in this situation has to follow,
17 really flows from the emerging risk, to the
18 established risk phase through to the
19 intervention of the field action and then as
20 it resolves, we're in an evaluation and in
21 this case, a relaunch phase.

22 And the needs really span from

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1 obviously understanding what stakeholder needs
2 are as the trend is being identified. Making
3 sure that patients are supported during the
4 phase of emerging risk, and preparing for
5 potential intervention.

6 As the risk is established, we want
7 to determine and validate a risk-mitigation
8 strategy. So this happens sometimes extremely
9 rapidly, where you trip an investigation where
10 there's an emerging risk, and then you may
11 reach the conclusion of your investigation and
12 then right away, you have to determine what is
13 the risk mitigation strategy going to be.

14 And you know, to what extent are
15 you going to reach outside the company to
16 validate that strategy. You know, moving kind
17 of beyond a discussion with the agency, but
18 including maybe some expert, external
19 advisors.

20 So, all that happens very rapidly.
21 You finalize what your plan's going to be,
22 and you begin to align your internal and to

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1 some extent, external stakeholders around a
2 major intervention and communication's plan.

3 At the time of the intervention, or
4 the field action, you are communicating very
5 broadly and rapidly to a wide range of
6 stakeholders. You're working very hard to
7 minimize disruption and to prevent undue
8 confusion and negativity.

9 You are, in the evaluation phase,
10 trying to define what the impact has been of
11 your mitigation strategy, and what remaining
12 on unneeds are there for communication. So,
13 you're looking hopefully both at process, how
14 was your process effective, or not. And also,
15 what has actually been the actual impact, and
16 where do you need to course correct, or focus
17 in the post-event phase.

18 And then in terms of relaunching,
19 you know, in a situation like this, you may or
20 may not successfully relaunch. If it looks
21 like you can, then you have to precondition
22 for the return to market, cultivate acceptance

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1 and confidence that the risk can be managed,
2 and certainly work very hard to drive
3 appropriate use at launch.

4 So, you can see what the full
5 spectrum of needs are at a very basic level.
6 And again, you know, the urgency, the speed
7 and the scope of what happens in that sort of
8 middle point in that continuum, really makes
9 it difficult. It creates some very
10 significant challenges to the effectiveness of
11 risk communication.

12 I think a lot of companies do it
13 very well, you know, despite that challenge.
14 But the opportunity to do some of the most
15 thoughtful work and to really support
16 stakeholders, can often ensue in the stages
17 that follow.

18 So, in this particular story, in
19 this particular case, FDA is advised of the
20 investigation once it starts. A letter to
21 surgeons is disseminated to advise of the
22 adverse events, the onset of the

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1 investigation, as well as patient monitoring
2 and management considerations that they may
3 have now that they know that there may be an
4 emerging -- that there is an emerging and
5 uncertain risk.

6 And the medical affairs and the
7 communications teams at this company begin to
8 map the potential trajectory of this issue.
9 And they begin to look at what all the
10 potential scenarios are, you know, sort of
11 planning for the worst, and hoping for the
12 best. And they start to initiate strategy and
13 message formation.

14 And what they're doing in this
15 stage, is that they're mining their existing
16 knowledge and insights about the needs of
17 target audiences. So what you're really
18 hoping is that there's a lot of knowledge
19 throughout that whole organization about their
20 customers, about the patients they serve,
21 about their special needs and different
22 contexts.

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1 So, you're starting from a strong
2 place. Sometimes you're able to take
3 advantage of the opportunity to gain
4 additional insights through stakeholder
5 consultation either informally and
6 anecdotally, or actually through some
7 qualitative market research.

8 In the established risk phase, the
9 investigation concludes. The results point to
10 several potential solutions. So it's not
11 black and white. There's some ambiguity in
12 terms of what the right thing to do is. And
13 frankly, the company could do a couple of
14 things that would be well-received or would be
15 wholly appropriate in this context.

16 But so what they want to do is,
17 they want to take their findings and all the -
18 - and the potential risk mitigation
19 strategies, and put it in front of an expert
20 external panel. And as soon as they do that,
21 they reach a decision to implement a recall
22 and a withdrawal, which may be a permanent

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1 withdrawal of this product.

2 But they want to basically
3 eliminate the risk. The communications plan
4 is then finalized. It's been in development
5 to some extent up to this point. Now, it gets
6 very intense to finalize that plan. And
7 almost simultaneously systems are initiated.

8 So, the actual processes of
9 implementing communication starts with the
10 development of materials. The activation of
11 global communications networks internally,
12 preparation of spokes-people, preparation of
13 call centers and very select external
14 stakeholder engagement, depending on the
15 materiality and the sensitivity of the
16 subject.

17 And then finally, the overall plan,
18 the comprehensive plan is reviewed with FDA,
19 so that together the agency and the company
20 can coordinate its communication.

21 At the time of the field action,
22 the company announces with a great deal of

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1 coordination with FDA. FDA mobilizes its own
2 risk communications vehicles as part of a very
3 coordinated effort. And you know, the day one
4 flow looks something like a surgeon letter
5 goes out the night before via Federal Express
6 with patient -- with news, a proper
7 announcement of the recall with the rationale.

8 Specific steps that surgeons need to take to
9 withdraw the product.

10 And also with patient communication
11 guidelines. So the company recognizes that
12 they're burdening surgeons frankly, with this
13 recall and they want to help them have the
14 right kind of balanced conversation with
15 patients. And so some effort's been made to
16 provide a related tool.

17 A press release goes out after the
18 stock market closes the night before. And
19 this gives the company the opportunity,
20 because this is a material event from a
21 financial disclosure standpoint, this gives
22 the company an opportunity to begin to

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1 communicate with some of its external
2 stakeholders before the news hits the next
3 day.

4 And many of you will know, or
5 understand or appreciate that in these types
6 of situations, it's so difficult for
7 physicians. Because, you know, their patients
8 are hearing about things from the media. And
9 they're scared. And they don't always know
10 how to interpret the information. And the
11 physicians haven't had the opportunity to do
12 any of the up front contexting.

13 So, sometimes what can happen here,
14 is there is an appropriate outreach to opinion
15 leading surgeons. Those discussions start to
16 take place, so that people know that they're
17 getting this information and news the next
18 day.

19 There's a call in the morning with
20 investors because this is a material event.
21 And the reason why that's important is because
22 the analyst community, the investor community

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1 and the media community are very closely
2 aligned. The company has, in terms of the way
3 they consume and report out on information,
4 the company has prepared for a media briefing.

5 They don't know if they need a
6 media briefing. They don't think they need a
7 media briefing, because this is really not big
8 risk. And so, why should there be, you know,
9 such a grand communication or media effort.
10 And the truth is, is because of the heightened
11 interest, they know that they have to be
12 prepared to move with the media briefing if
13 there is enough inflow from media and other
14 sources.

15 And based on the level of calls
16 they're getting, they decide that it's smart
17 to go ahead and have their media briefing at
18 about ten or eleven in the morning. Letters
19 and email alerts go out to key third parties.

20 They launch their consumer hotline. They
21 extend their individual briefings.

22 There is some further targeted

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1 media outreach, some meetings and discussion
2 with key national media who may want to do
3 some more thoughtful reporting. And of
4 course, there's outreach through the field
5 force and the customer-facing surveillance
6 systems really expand and there's a lot of
7 intelligence gathering in terms of how this
8 news is being disseminated and understood in
9 the field.

10 After the event, there are networks
11 of clinical sales and marketing teams reach
12 out to touch just about every single customer.

13 And this is typical in the device space where
14 there is, you know, very close working
15 relationship with customers and where, you
16 know, there are standard mechanisms for
17 collecting this type of information and that
18 those would be ramped up.

19 The external expert advisory teams
20 are expanded and convened with greater
21 frequency. There's some market research
22 that's fielded to evaluate the company's

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1 systems and process for communication, the
2 impact of that communication and also what
3 remaining unmet needs there are that must be
4 addressed through the go-forward plan and a
5 gap analysis is done to help improve knowledge
6 and also what the company's currently doing
7 and what it might do in the future.

8 And then finally, in the relaunch
9 phase, from a communication standpoint, you
10 have to think about how you communicate the
11 root cause analysis to regulators, customers
12 and patients so that's understood.

13 There's more data that's analyzed
14 to define the relative risk-benefit in the new
15 target population. It's not a given that the
16 product's going to relaunch. The company has
17 to really explore the rationale for bringing
18 the product back to market, and what level of
19 support there will be for its reintroduction.

20 And they know that they need to
21 demonstrate the need for this product to come
22 back to the market, and also a tolerance for

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1 the risk it represents among the affected
2 patient population.

3 Once the company decides to bring
4 the product back to market, it develops and
5 launches a new surveillance and risk
6 management program. It intensifies its
7 monitoring. It establishes a patient
8 registry. It creates a risk communication
9 demonstration project to really explore how
10 risk communication can be improved in this
11 group. And it provides through that program
12 support to physicians and patients in terms of
13 treatment decision making.

14 So, just a couple of thoughts about
15 this case and then I want to wrap. Because I
16 think it would be much more interesting to
17 talk about it. And that is, that -- I've
18 touched on some of these points already. You
19 know, effective communication strategy really
20 does begin very far up stream as emerging
21 risks are identified.

22 And I've been in both situations

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1 where I've been involved, you know, from day
2 one, and I when I was involved basically two
3 days before the announcement, which can sort
4 of feel like an Olympic event in terms of you
5 know, communications preparation. So, I think
6 as communicators, we all understand how
7 important that is.

8 It's important to build the
9 knowledge, systems and networks of expertise
10 before you need them in an urgent situation.
11 So, you know, what's wonderful is, if a
12 company not only has great repositories of
13 knowledge inside the company, but also has
14 very smart people outside the company, they
15 can reach for, for really quick advice.

16 And I do that all the time. I call
17 people like you when I'm in a tough spot, and
18 will informally ask your opinion. And that
19 quick exchange can really redirect and be
20 incredibly helpful in the implementation
21 phase.

22 The work that follows the risk

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1 event is often where you get to do your most
2 thoughtful work. So, even in the best-case
3 scenarios, chaos can ensue, you know, from
4 some of these announcements. And so, you
5 know, hopefully it doesn't. And many times it
6 doesn't. But you always want to be working
7 after the fact to make sure that you're
8 minimizing disruption.

9 And if a product's going to remain
10 available or come back to market, you know,
11 really just seize the opportunity to be very
12 thoughtful in the way that you communicate at
13 that stage. The participatory process is key
14 throughout this. And without it, this case
15 certainly wouldn't have been a successful one.

16 And then finally, you know, when
17 all strategy flows from a primary concern for
18 the patient, decisions and implementation
19 really take very rapid shape. And I've had
20 you know, the pleasure and the honor of
21 working with some companies who are just very
22 principled and you know, right on up to the

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1 top, the chief executive officer who says, I
2 don't care what types of problems we're going
3 to have to solve, or how much litigation there
4 may be. We're going to do the right thing for
5 the patient. And that just creates so much
6 clarity in terms of what needs to happen next.

7 And it takes a lot of the pain out
8 of this process. So I think that that's also
9 very much, you know, a best practice from a
10 communications standpoint.

11 So, Dr. FISCHHOFF, I'll leave it to
12 you how you want to -- you want to go on to
13 John's presentation, or?

14 CHAIRMAN FISCHHOFF: Yes. I think
15 actually if we did all three presentations.

16 MS. DESALVA: Okay.

17 CHAIRMAN FISCHHOFF: And then we
18 have the general discussion.

19 MS. DESALVA: Okay good.

20 CHAIRMAN FISCHHOFF: Thank you very
21 much.

22 MS. DESALVA: Yes, you're welcome.

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1 MR. PALING: My friends, many
2 decades ago when I was an angelic choirboy in
3 the Church of England, I learned supposedly
4 that the institution of marriage was ordained
5 to procreate children for their nurture.

6 However, since being married to an
7 American, well, actually, she's a Texan. But
8 after 30 years of this experience, I have
9 learned that in practice, for me, the
10 institution of marriage has been a learning
11 experience. Mainly that what I thought I knew
12 and could say with assurance, is certainly not
13 likely to be true.

14 And whereas before, I used to be
15 indecisive, very frequently now, at the end of
16 a conversation, now I'm just not so sure. And
17 that not so sure, is very much how I feel
18 genuinely about addressing you all today.

19 First of all, everything I say, I
20 know is either known well by Nancy, or
21 certainly if not she particularly, by her
22 colleagues. And that what I will be bringing

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1 is in fact different perspectives. I have
2 thought long and hard about what my
3 responsibility can be, given the fact that I
4 tend to have a more general public view about
5 both risk communication and my personal
6 expectations about what the FDA should do to
7 be effectively communicating the risks and
8 benefits of those products that it regulates.

9 First thing I'd like you to know, I
10 truly think FDA, from my limited knowledge,
11 does an amazingly good job in all of its
12 regulatory methods. But I do think, as we all
13 know, the world is changing and in one
14 particular way, the responsibilities of the
15 FDA are irrevocably changing in the direction
16 of having a second prime responsibility of
17 being an effective risk communicator to the
18 American public.

19 Not overtly so, until you begin to
20 look at the details of where both regulatory
21 frameworks and also expectations of the public
22 are moving. If you think -- ask for yourself

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1 the question, where out of all of the various
2 agency in the U.S., should the public expect
3 to get their reliable, objective information
4 about the risks of healthcare? And it falls
5 back on the FDA.

6 If you look at the questions that
7 Congress sometimes brings up, challenging
8 whether they could take over from the FDA and
9 make some decision about policy, it is well-
10 known, that the FDA quite rightly stands up
11 and says, no, no. Only -- there's a legal
12 phrase for this which escapes me -- only we at
13 the FDA have the knowledge to be the risk
14 assessors, and thereby the risk communicators.

15 So, my first message is, I think
16 this is a journey, and that what I plan to do,
17 is to direct my observations to how I think
18 this second growing responsibility of being a
19 risk commination agency, who that might take
20 place.

21 Just to take one of the most recent
22 documents, you can see, to increase the

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1 transparency March 2007, of the agency's
2 decision-making process. Now my italics, the
3 increased openness will enable patients and
4 their healthcare professionals to make better
5 informed decisions on individual treatment
6 options.

7 In other words, I want you to see
8 that as I see it, as saying, it's not just a
9 matter of saying we do risk communication, but
10 it's now directed towards helping patients
11 make better informed decisions.

12 Better informed decisions to me
13 means that I think even at the most basis
14 level, FDA's risk communication process should
15 be challenged and potentially improved. From
16 the 2005 meeting about risk communication that
17 CDER has, I'm constantly repeating this quote.

18 And in my mind, nothing is more important
19 than the FDA -- this was what it was said in
20 that recommendation, "Leads an effort to
21 develop good risk communication practices for
22 the agency and industry."

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1 And by the way, I know, because
2 people have said it in all directions,
3 industry would love to collaborate with their
4 time, with their priorities for the FDA, in
5 order to try and put some suggested strategies
6 together. So, things are moving. But I don't
7 think things are as good as they might be.

8 Since I bring biological
9 background, I thought I might suggest that we
10 can all learn from the world of nature. If
11 you wanted a benchmark for how to succeed with
12 change, nature's been doing it for a few
13 thousand years. And if you want great
14 communication let me tell you the secret of
15 the honey bee.

16 Bees when they go back to the hive,
17 land and do a little communication dance. They
18 wiggle their bodies, go round a little circle,
19 wiggle their bodies again. That's saying, how
20 far to go, the direction in relation to
21 vertical is saying where to go in relation to
22 where the sun is.

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1 And many, many, many, many,
2 successful animals in their communication have
3 a cycle of giving a message, and not changing
4 the message until they get a signal that that
5 message has been received. And if you think
6 about it, since the FDA has to work as a team
7 in its agency, bees can provide a remarkably
8 good example of how perfect teamwork should
9 be.

10 I'm sure you're well aware of their
11 reputation in this field.

12 Bees are perfect in every
13 dimension. Well, how about if we look at them
14 with a new perspective. What about if we slow
15 them down 30 times and watch the perception
16 is, that bees are perfect in every way, is
17 suddenly seen to be a fallacy.

18 The reality is, that when returning
19 to their hives, they are terrible navigators.

20 The reality is, loaded down by pollen and
21 nectar, and with all of the heat causing wing
22 disturbances in the air, they look more like

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1 professional wrestlers.

2 The power of the visual image will
3 leave this memory and this message in your
4 mind, as does the power of visual images in
5 drug communications on television. Probably
6 better than any words can do. It's the music.

7 It's true, but it illustrates for me one
8 important point, there is a vast difference
9 between reality and perception. And until
10 someone challenges your and my routine view of
11 what is truth, we will all by default stay
12 with the world of perception.

13 And it is easier for someone from
14 outside your world to point out potentially
15 new perspectives. I'm going to dedicate this
16 to Nancy in the front here for a reason you'll
17 see in a minute.

18 This is a sequence from a National
19 Geographic film on Okefenokee Swamp.
20 Okefenokee Swamp to me is the emblem of
21 change. And it reveals the universal
22 biological principle that what survives in

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1 nature and in institutions and in your life
2 and mine, has to match the realities of the
3 world in which we live.

4 You see, this swamp changes its
5 position. What used to be peat at the bottom
6 of the swamp, raises through the decomposing
7 gases and changes to produce blank floating
8 islands, nothing on them. But then small
9 plants grow. They change it, bigger plants
10 can grow. They change the environment again,
11 so the only things that survive can be the
12 ever taller plants finally leading to trees.

13 And I'm going to suggest that in
14 this process of change, there's an analog,
15 there's a metaphor for how the FDA is, and
16 will continue to change rapidly towards
17 improving effective risk communication as a
18 major subset of its job. Here I am eons ago,
19 showing why the American Indians used the
20 word, Okefenokee for the swamp. It really
21 means, when translated, land of the trembling
22 earth. And if you watch, I think you'll see

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1 why.

2 That was the bit for Nancy. You're
3 never afraid of alligators. We spent three
4 years making this movie for National
5 Geographic. Because again, despite
6 perception, it's for adults, not young
7 children, or dogs or cats, alligators really
8 on every statistical basis have a minimal
9 level of risk for adult human beings.

10 But what the lesson for this is,
11 that everything in the world depends upon a
12 firm foundation of reality, including the
13 strategies that my colleagues will advise for
14 the FDA. And you can't build a house on a
15 wobbly foundation.

16 Look at these plants. Swamp is so
17 acid, pH3, that very few plants can survive
18 there. And those that do, cannot get access
19 to nitrogen. And they have learned to trick,
20 to eat insects, to get the nitrate, the
21 nitrogen that the acid water denies them.

22 This is a pitcher plant, no moving

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1 parts, a hood, under which the insects go to
2 get the nectar. This too is a metaphor. Once
3 the insect is fed, it tries to escape. The
4 hood conceals the way in which it went in.
5 But look at the back. Trick, false
6 perceptions of windows. The little insect
7 weaken themselves and then drop down that horn
8 of death, to be eaten by a plant.

9 I don't parade my relative lack of
10 academic expertise as anything of value, other
11 than to ask you to accept that I'm about to
12 make suggestions most of which, inevitably be
13 unrealistic because I do not know the
14 practical, the political, the economic, the
15 prioritizing issues that determine what the
16 FDA does.

17 But my first thing, and this has
18 been reflected in so many people's
19 conversations is, that I can't get my mind
20 around the fact that we can still accept
21 unqualified words like, safe and effective.
22 And it's been used so often. But to me, that

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1 becomes a pommeling horse. That politicians,
2 perhaps, who wish to point out in letters and
3 in public, that what you're doing is not
4 providing safety for the public.

5 And to me, this is such a big issue
6 that I would recommend, which is why I'm
7 putting certain things in little yellow boxes
8 here. That one should constantly strive to
9 recognize that the image, of the FDA is not
10 universally that that I know it should have.
11 And many times, people are skeptical.

12 For example, Dr. Bruhn indicating
13 her frustration yesterday that there are these
14 food risks. And even though the public know
15 about it, seemingly, they will do nothing
16 about it. Well, I have a suggestion that many
17 people view the fact that the FDA and
18 pharmaceutical companies have to list risks is
19 simply a CYA procedure. They got to do it
20 because the lawyers make them.

21 And I think it may be not a large
22 number people, but there's a significant

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1 number of people who just think you're
2 inevitably going to be crying wolf, and
3 therefore, your credibility to accept what is
4 clearly said, may not be something that
5 previously you've considered to the level that
6 it might merit.

7 My recommendation is that the FDA
8 must now begin in both healthcare
9 professionals and communications to the
10 general public, to communicate the numbers.
11 Our venerable chairman wrote a paper in 1995,
12 that was circulated where he said, 20 years
13 before that time, when risk communicators try
14 and talk risk, number one, find the numbers.
15 Number two, tell them the numbers.

16 You go through the list. None of
17 them say, don't communicate the numbers. And
18 the reason for me in my own upbringing comes
19 from work with the EPA about ten years ago.
20 Let me tell you what I learned from them
21 working with Bill Riley and other people in
22 the top of the hierarchy there.

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1 Unlike the FDA, who from what I've
2 been able to learn have been using safe and
3 effective since 1962, sliding in through the
4 back door, the EPA very much want people to
5 know that there are risks. And when I worked
6 for them, I used to explain to the general
7 public just how inevitably people can become
8 confused by the appearance of safety.

9 I told people that, everyone's
10 aware how sophisticated computers are now.
11 How sensitive are the detection equipment that
12 we use to measure infinitely small quantities
13 of stuff. And I told people that the level of
14 sensitivity for a whole lots of things is as
15 small as one part in a quadrillionth.

16 Notice what I'm going to do. You
17 see a number of itself means nothing unless
18 it's given a context. You're not
19 communicating information. You're
20 communicating data. And so, what I used to
21 say is, well, one part in a quadrillionth, is
22 very hard to realize that here, I'm putting on

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1 the table a nine inch tall book. And just to
2 give you some perspective, one part in a
3 quadrillionth is the equivalent of a pile of
4 these books going from here, all the way up to
5 the moon and back, 300,000 times, like one
6 second in 32,000 years.

7 My point there is two-fold. One
8 is, that data for good communication requires
9 perspective, context. But the other thing is
10 to draw the lesson, frankly, at that level of
11 sensitivity, you could probably find a cancer-
12 causing toxic compound in anything you ever
13 measure. Therefore, the key lesson for
14 communicators to share with the public, with
15 my EPA hat on, is it may not matter if
16 something contains these. What really matters
17 is, how risky -- quantity, probability -- is
18 it for real people in real life situations.
19 Which is of course, what our professional risk
20 assessors in FDA and around this table are all
21 about.

22 So, I am attuned to think that we

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1 should be telling people that there are risks,
2 but draw their attention to the probability
3 being the most important thing of all. I say
4 to you, I bring you quote, because Nancy and
5 Lee know I read this stuff up voraciously.

6 The signs are already out there
7 that you the FDA are going to have to be
8 using, probabilities. There's no generality
9 in Section 801, sector will publish a table of
10 adverse events with number and frequency. So,
11 I keep saying that not only for the EPA but
12 for anyone, I don't think it helps people to
13 give them a list of events without some level
14 of probability.

15 So I looked at the patient
16 information sheets from A to Z. Aleve. I'm
17 not going to show you them all. But if you
18 just look what the patients are being told at
19 present, may increase the risk, can cause
20 stomach, can do this, can cause kidney -- this
21 to me, is deficient in the minimal level that
22 I as someone who is voracious, to try to help

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1 my stereotypical image, is my mother, or
2 members of the public to understand risk, I
3 don't view this as adequate.

4 And we heard yesterday, that things
5 are beginning to change, and I'm sure they
6 are. But I just need to say, right now, this
7 to me, in my perspectives is a hugely
8 important thing if one professes to talk about
9 risk communication in an effective way.

10 There's a paper, and I've given a
11 list of references that I know Lee will make
12 available in health affairs recently, where a
13 scientist spent considerable time asking the
14 public what they think they should want. And
15 what they wanted is for the top three or four
16 or five risks to be put down along with a
17 percentage. So, you could see if it's death,
18 it's not one in a trillion, even though it
19 might show on such a list.

20 So I view this, this is my
21 perspective. It may be irrelevant, it may be
22 impractical. Go from Z, FDA's analysis,

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1 patients receiving this anti-epileptic drug,
2 have approximately twice the risk of suicidal
3 behavior, and then two, very helpful and very
4 important numbers put in by the side of it.

5 Good risk communication practice,
6 as I learn from reading the literature, and
7 being a participant in peer reviewed
8 pressures, is that you should avoid like the
9 plague, the idea of talking relative risks.
10 Relative to what? If you're trying to talk to
11 the general public, or help doctors talk to
12 the general public, it's crucial to talk in
13 terms other than this is from the H.R.,
14 Hormone Replacement Therapy things. Twenty-
15 six percent increased risk of breast cancer,
16 41 percent increase risk of stroke. And then
17 all the things that you were speaking of so
18 elegantly just a few minutes ago, come into
19 play.

20 You're dealing with fear that is
21 beyond the level of what the numbers or the
22 numbers in perspective, should merit. And

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1 I'll just give you an example. When I got into
2 this, it turned out that the average risk of
3 breast cancer of a woman over the age period
4 where they'd be taking these treatments was
5 three people dying out of 1,000.

6 If you did take hormone therapy,
7 the risk was 3.8 people. So, .8 out of 3,
8 gives you the figure. I'm trying to suggest
9 to you, that when you look at how your public
10 gets the information, predominately from the
11 media, and you see this stuff slashed around
12 all the while. And I think it's important
13 that the FDA and the industry too, who were
14 perhaps some of the worst of it, avoid using
15 relative risk. My advice, maybe impractical,
16 but there's my reason.

17 A small point here. Gentlemen
18 doing research out of California, found that
19 40 percent of patients are so innumerate, that
20 they will misjudge which is the greater of two
21 risks. 1 in 667, they viewed as greater than
22 1 in 378. Being a bigger number. Now that,

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1 is something that unless you know it, unless
2 you care to be sure where the patients have
3 the problems, I'm going to suggest you'll
4 never be able to be effective in your
5 communication.

6 How simple it is? How
7 undergrading? How universally an improvement
8 is it to express all proportions with a simple
9 common denominator? It doesn't insult the
10 scientists and now, in simplistic terms, the
11 way I tend to speak, this has improved the
12 likelihood of people being able to understand
13 the significance of the numbers in a context.

14 Positive and negative framing.
15 Well known if I told you or your patients that
16 there would be a three percent chance of
17 dying, people will typically not take that
18 treatment. Ninety-seven percent chance of
19 surviving, yes, they will. And so for a
20 simple procedure, I consider that another of
21 the remits of my dear friends of the FDA is to
22 get around and to report within a year how

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1 you're going to talk about risks and benefits
2 so the public can move towards better informed
3 decisions.

4 Well, it's really difficult. But I
5 will tell you that unless you in some way
6 address the reality, that if you're only
7 presenting the negative framing and not the
8 positive, then the public are going to be
9 misconstruing the perception of risk, taking
10 those figures and moving it up, the figure I
11 gave you before was for a one-year risk of
12 breast cancer, a typical period people will
13 take it is for five years.

14 You could say, four out of a
15 thousand will get it, but it's just as
16 important to know that 996 out of 1,000 can
17 take the treatment and probably from a
18 statistical basis, will not get it. So, this
19 to me is an important thing.

20 I was thinking as I lay awake this
21 morning, deciding how I can try and be most
22 helpful. I'm not sure I'm right, but I know

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1 these are important ideas. And the principle
2 has to be, how can I help in any perspective I
3 bring, the FDA do a better job. How can they
4 help both patients and healthcare
5 professionals?

6 And unless you're frenetically
7 concerned to find out what problems the public
8 and healthcare professionals have
9 communicating risks, then I suggest you cannot
10 get to move towards finding improved methods
11 of communication. My recommendation, try and
12 use absolute numbers. Let's get away from
13 this relative risks. Try and use a common
14 denominator. Make sure you give a positive
15 framing.

16 Oh, back to this early example of
17 patient information sheets. Wouldn't that
18 have been easier to say, the evidence showed
19 that on average, two extra people out of a
20 thousand, showed suicidal behavior. Isn't
21 that a small number? Well, that's not for me
22 to say. It's telling the public a number that

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1 anyone, anyone can understand. And then also,
2 should you wish, you could put the perspective
3 there to show 998 out of 1,000 did not get
4 that.

5 So, getting to the topic here of
6 this issue of risks and benefits and what
7 perspectives might I bring to do this.
8 Somehow, the FDA will need to talk
9 probabilities at a very early stage in its
10 improvement process, in my humble opinion.

11 We've already gone through the
12 process of different ways of communicating the
13 numbers, which I think most of us support. I
14 just need to say, that when we use words like
15 rare and low, everyone knows that this is only
16 in the perspective of the person or the
17 organization making the statement. I happen
18 to think this is not the most crucial thing as
19 was said here by Dr. Seligman yesterday.

20 But I would tell you, that when the
21 FDA says that patients rarely get this issue,
22 I'm not being critical. I'm asking that

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1 people accept the responsibility that like it
2 or not, your communicating a probability. I'm
3 not saying, let's get a big stick, let's get a
4 regulation. But if that, rarely, means
5 something totally different from what the
6 public actually means by it, then if you have
7 the time and the resources, I suggest there's
8 a responsibility with the increasingly
9 developing responsibility to be an effective
10 risk communication organization.

11 Sit down among yourselves and try
12 to find some limited frameworks. Low risk to
13 the general public means between 1 in 5 to 1
14 in 10,000. When you look at IRB Requests for
15 Information, in order to tell patients what
16 the risks are of clinical trials, you get
17 words like this, rare side affect, really
18 turns out to be 1 in 25. Well, it might be in
19 heart transplants, you see.

20 So I'm trying to say, I think that
21 somewhere down the line, whether this EEC and
22 different of us have got around to try to find

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1 words, I'm just saying, I think it would be a
2 good second level recommendation that you need
3 to accept that your descriptive words are
4 conveying meaning. And if you could find some
5 informal way of trying to unify them, it would
6 be responsible.

7 And then again, from one of our
8 chairman's papers, you know you might say,
9 well, shall we build it, and then they're just
10 as confused as ever, or what if different
11 disciplines want to do it different ways?
12 Well, there is an example from the nutrition
13 facts panel. Where the fact that people sat
14 down and defined a format and consistently
15 used it, helped the effective communication of
16 the data that people were endeavoring to do in
17 nutrition. This relates my own special field.

18 Everyone of these by the way,
19 started in healthcare. Isn't that
20 interesting? Well, not really. The first
21 one, Descartes reputedly was described as
22 lying in his bed sick watching a fly

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1 meandering on a wall and wondered in his
2 scientific mind, how to plot the movements of
3 the fly and decided that a simple graph would
4 be the way to do it.

5 I've always forgotten the second
6 gentleman's name. I think it's -- I could
7 look the reference up. This one on the right
8 was by an English physician, what we now call
9 a bar chart, for the most bizarre of reasons,
10 that could only be British. It was observed
11 in the days of George III, who protested his
12 madness, it became fashionable for the English
13 gentry to also declare their madness. And
14 this gentleman try to co-relate those two sets
15 of figures, because there weren't that many of
16 them, he put them into clusters which are
17 groups of five years. And that was the very
18 first bar chart. And there is a picture of
19 them.

20 The bottom of the ones is
21 particularly important to me, because Florence
22 Nightingale was born only 50 miles away from I

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1 was born and was brought up. The nurse is
2 best known to mathematicians as the person who
3 invented the pie chart using the area of the
4 visual to represent the magnitude of the
5 proportion.

6 In the Crimean War, she was anxious
7 to get her message out: to communicate. Even
8 though she was the first woman in the Royal
9 Statistical Society of London, nevertheless,
10 her concern was to make the numbers that she
11 was an expert in the knowledge of, communicate
12 to people. And so she showed, that the very
13 small proportion of the deaths were due to war
14 injuries, most of them were due to diseases
15 through the lack of hygiene.

16 And this was one of the things that
17 she wrote in her diaries, that even if people
18 won't read the words, and she was particularly
19 hoping the Queen could be influenced, I
20 nevertheless hope that they will look at the
21 pictures and understand the meaning, oh, that
22 she said, on to see them into perspective.

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1 For that's why I bring this in.

2 Yesterday, Musa kindly mentioned
3 the possibility of having say a thousand
4 little items of people on a page, and showing,
5 since we've seen this thing, two of them, in
6 different colors to indicate that two out of
7 1,000 might be suicidal, taking that previous
8 figure.

9 I want you to see that it's equally
10 possible to reverse that and to use the
11 selfsame graphic to draw the public's
12 attention, that 998 out of 1,000, the benefits
13 framing, using the absolute numbers, 998 out
14 of a thousand, will not be affected.

15 I believe that visual aids, a)
16 absolute numbers, b) remove confusion, and, as
17 the gentleman so eloquently said in the
18 presentation yesterday, give the greater
19 number of the people an ability to understand
20 the numbers in context. So, consider using
21 simple visual aids.

22 My wife, under whose thumb I live,

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1 drew my attention to this. She has what's
2 called, "duh science." When there's a great
3 research project, the result comes out, she
4 goes, "duh." And well, what did you expect.

5 I'm going to tell you what I have
6 learned most from talking to doctors in most
7 hospitals and finding out what they want from
8 good risk communication. And this letter from
9 my wife relates to a daughter, whose away at
10 college, and the letter is addressed to her
11 mother. And it has great medical sadness.

12 "Dear Mum and Dad: I have a lot of
13 things to tell you. Last week the dormitory
14 burned down, but we managed to get out alive.

15 After a few days in hospital, I got out. But
16 it took a little longer before they took the
17 bandages off my eyes. Now, I'm okay. But
18 because we have no where to stay, I moved in
19 with Nigel, my boyfriend.

20 "You'd like him. He's a nice boy
21 who comes from a good family. I've got some
22 good news for you. You remember how you both

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1 always liked children?"

2 (Laughter.)

3 MR. PALING: "Well, I'm going to
4 have a baby in the Spring. Don't worry, none
5 of this is true. I'm fine and I'm not
6 pregnant. But I did get a D in Math, an F in
7 French, and I thought you'd view it
8 differently if I put it into perspective."

9 (Laughter.)

10 MR. PALING: Most people to whom I
11 speak, want intuitively to do what journalist
12 want to do, which is to put a new unknown risk
13 into a context that makes sense for them. In
14 other words, there is a desperate wish, to be
15 able to show the world of risks of an everyday
16 nature, with which we're at home, joking.
17 Many of them, if you pick an individual one,
18 can be criticized as being an inappropriate
19 anchor.

20 But if you put a whole lot of them
21 together and see what range of likelihood
22 these fatal risks fall at, that is the thing

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1 that doctors long to do. Many of them have
2 devised their own from, you know, you have
3 more risk driving to the surgery than you are,
4 et cetera.

5 But I'm trying to suggest to you,
6 that there is a value for risk communication,
7 less so for the FDA, but for the individual
8 physicians to be able to use some quotation of
9 where the everyday risk zone falls.

10 And now something that I view as
11 crucial. I'm so concerned to try and get the
12 patients to understand the best we can give
13 them of their numbers. The most useful thing
14 of visual aids is not often the number. Not
15 the clarity of the number. It is a bonding
16 tool for physicians to use when they sit down
17 with their patient, sit down side-by-side and
18 say, "Mr. Jones, let me show you what this is
19 like."

20 It is a tool which in my world of
21 biology, we call a social lubricant. And I
22 think down the line, that some appropriate

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1 visual aids might be beneficial in helping the
2 FDA's mission of showing the risks and the
3 benefits.

4 Here's a final set of perspectives.

5 A man called Peter Sandman, who's known to
6 virtually every risk communicator and many
7 members of the public, made his reputation on
8 a series of risk equals hazard plus outrage
9 statements. I have a similar one that is not
10 as worthy, but I think is insightful.

11 When I talk to doctors, doctors
12 only think about the probabilities, the odds.

13 It's like looking for your keys on a dark
14 night, only under where the lamp light
15 illuminates. The truth as we know, is that to
16 some degree, not as a multiplier, the real
17 level of risk is some combination of a
18 measurement of the consequences and a
19 measurement of the odds.

20 But I also think what's not often
21 understood, is what I call the Bill Gates'
22 Lamborghini phenomenon. That the impact of a

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1 risk in truth is only determined when an
2 individual or an organization knows its
3 resilience, or resiliency. By that I mean,
4 let's take Bill Gates' Lamborghini. Say, Bill
5 Gates had a Lamborghini. He left it by the
6 roadside and didn't lock the door. It would
7 not be impossible that that would disappear.

8 Yes, it would be a big probability.

9 Yes, for me, it would be a huge cost
10 consequence. But, if I was as rich as Bill
11 Gates, then that resilience, or resiliency
12 would mean it was effectively a minimal
13 consequence in terms of how it would affect
14 that person's life.

15 I think my suggestion is, that in
16 the process of risk communication, the FDA
17 could follow another of its small threads of
18 responsibility and talk about wellness as the
19 resilience to all of life's downfalls,
20 including healthcare outcomes. And I will
21 give you an example of this.

22 One week today, the English

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1 Government revealed that it had had what's
2 called a public risk register. And everyone
3 whose known on the journalist list of BBC
4 reporters was being phoned up to discuss this.

5 What they had done for the general public,
6 from National Enquirer level of tabloid to the
7 most worth journal, was to show visual aids in
8 England, pointing out that it wasn't terrorism
9 or floods or, but what it really in their mind
10 was the busiest risk, biggest risk, was
11 pandemic flu.

12 But they made it even better by
13 reporting that they had enough vaccinations,
14 resilience, for one-third of the population.
15 Now, was this brilliant communication, simply
16 supported by visual aids? I think it is. It
17 shows me, it may not be persuasive to you,
18 there is both a place for visual aids.
19 There's a universality of instruction, that
20 won't be understood by everyone, but makes a
21 considerable improvement for where we are
22 before, just listing side effects.

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1 This to me is a pole apart. I'm
2 quoting several English things not because
3 they're in any way better, but you're just not
4 likely to know them. I work between the two
5 countries extensively. This most talked about
6 paper is a simple paper from scientists at
7 Cambridge. Here's the title, which basically,
8 I'll just pick out thing, showed that if
9 people had four basic healthy behaviors, then
10 it added effectively 14 years to their
11 chronological age.

12 The four were, not being inactive,
13 being a nonsmoker, very moderate alcohol
14 intake and a plasma vitamin C level showing
15 fruit and vegetable intake. Why do I tell you
16 this? Not because, I mean, there's a huge lot
17 of numbers. It's very well talked about
18 there. I'm saying, perhaps new suggestion,
19 when the FDA talks about risks, it might also
20 find an opportunity to talk about promoting
21 health at the same time. Bringing holistic
22 approach to its status and to the importance

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1 of its messages.

2 Now, I'm sad to say, I tend to
3 disagree with several people who I respect
4 deeply on my panel. And I think, Mr.
5 Chairman, this is the next suggestion,
6 something at odds with what you said should
7 not be done yesterday. So, it doesn't hurt to
8 have dissenting diverse views and you're
9 better aware than I am.

10 I believe the FDA's responsibility
11 now requires that you produce an overarching
12 document before people, particularly the
13 public, get to look at the specifics on your
14 website or elsewhere. In other words, I think
15 you're responsibility may be to produce a
16 basic 101 of Risk Communication. And here is
17 some of the things within a one-page document,
18 Dr. Neuhauser is so superb at thoughtfully
19 presenting information in simple and clearly
20 understood ways, would do far better at this
21 next than me.

22 But here are nine points that it

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1 might cover. The reinforcement. FDA's giving
2 its best efforts to be effectively safe. And
3 when used as directed, most FDA drugs offer
4 far more benefits than risk for most people.
5 Three, yet all drugs have downsides. And when
6 I had discussions with my friends at the FDA
7 in my preparation for this talk, I asked me,
8 show me where on the website this is. That
9 this is so clearly said?

10 If you have a day and a half to
11 pursue it, it's just that, it's not there yet.

12 And I know it's going to happen. It's very
13 easy for some bright person to come in and
14 make suggestions that are already being
15 handled. All I can do is say what I think
16 matters. Yes.

17 Different people have different
18 responses to different treatments. So,
19 patients need to be alert. Estimates of risks
20 apply to a population, not to the individual.

21 FDA's going to change its decisions, talk to
22 your doctor for the risks and benefits. These

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1 are all good messages. Learn about your
2 treatment and condition by getting information
3 from the FDA on the new and improved website.

4 And remember, you can increase your chances
5 of a good outcome by keeping yourself as
6 healthy as possible.

7 And risks, I would conclude, are
8 not as simple as patients think. But I think
9 they can be made simpler than sometimes we
10 fear. I thank you for your time. I'm sorry
11 to the next speaker to take so long.

12 CHAIRMAN FISCHHOFF: Let me
13 immediately introduce Heidi Rebello who's a
14 deputy assistant commissioner for public
15 affairs.

16 MS. REBELLO: Good morning. It is
17 a pleasure to be here. Can everyone hear me?
18 Fine. Okay.

19 Today's discussion, I'll go over an
20 organization overview of the Office of Public
21 Affairs, the agency's overarching goals for
22 communicating agency actions, the priority

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1 issues facing the agency, the criteria for
2 when we go about issuing press paper like news
3 releases, the communication challenges we face
4 and finally, some new approaches that we're
5 excited about.

6 The Office of Public Affairs, just
7 some general statistics. Office of Public
8 Affairs is actually located, we report to the
9 Office of the Chief of Staff, and that's in
10 the office of the Commissioner. And within
11 the Office of the Chief of Staff, there are a
12 number of other offices like, the Office of
13 Legislation and the Office of External
14 Affairs, that all report to the Office of the
15 Chief of Staff.

16 So, who we are, we have ten press
17 officers and employ one senior writer and
18 editor. FDA's in the news every day. And the
19 office fields anywhere from 50 to 100 media
20 inquiries from journalists each day. On
21 average, we issue up to 25 press releases a
22 month. Last year, we came close to 225 news

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1 releases. This year, we're a little behind,
2 we're just over 100.

3 We also hold media briefings over
4 the phone as well as live press conferences.
5 Just to give you a little perspective, if
6 we're having an outbreak like we did with
7 spinach or with salmonella, it's not uncommon
8 to have 300 to 400 media outlets joining us
9 for our media briefings.

10 Our press officers also staff all public
11 meetings, including advisory committees like
12 this one, and Congressional hearings.

13 We operate under two main goals
14 when communicating agency actions and efforts.

15 One, to provide consumers with timely,
16 understandable, useful and actionable
17 information. Secondly, to foster public trust
18 and confidence. That every action the agency
19 takes is an interest in public health. And we
20 do this by trying to be more transparent and
21 really trying to explain the science behind
22 our decision-making.

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1 The key issues facing FDA include,
2 product safety and surveillance, whether it be
3 food safety or medical product safety, that's
4 devices, that's drugs, that's vaccines. This
5 is where the focus has really been of late.
6 In particular, there's been a lot of interest
7 in import safety, since many of the products
8 are made beyond our borders.

9 Regulatory actions, for example, we
10 have new responsibilities and authorities
11 under the Food and Drug Administration
12 Amendments Act of 2007. And it's our
13 responsibility to explain when we're
14 implementing those new authorities and
15 regulations and what they mean to patients.
16 And then agency initiatives, like our Critical
17 Path Initiative, where FDA is working across
18 many science and regulatory areas to improve
19 medical product development.

20 Here are the pieces we go through
21 when considering what to issue press on. Has
22 the agency taken an action? Do we have enough

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1 data or information? Do we understand the
2 issue well enough to explain it? And, do we
3 have a clear message to the public and can we
4 assure the public that we are finding
5 solutions? So, it really boils down to the
6 majority of the science and the clarity of the
7 consumer message.

8 Some of the communication
9 challenges we face. We communicate to a
10 variety of audiences that all have different
11 expectations, including patients, consumers,
12 health care community, and researchers. Our
13 issues are scientific and regulatory, and
14 oftentimes very complex with lots of nuances.

15 We have legal limits to disclosure.
16 We have to protect commercial and confidential
17 information. We also have to say in an open
18 investigation, balance the need for the public
19 to understand the agency actions, without
20 compromising the integrity of the open
21 investigation.

22 Our data's not easily accessible.

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1 What I mean by that is, that the information
2 FDA houses in its databases, is not easily
3 extractible in a form that oftentimes
4 reporters request or seek. And our issues may
5 be valuated or emotional. Like cloning, or
6 vaccines such as Gardisil that Lorrie McNeill
7 talked about yesterday.

8 More challenges. The public's
9 understanding and acceptance of scientific
10 uncertainties. We need to communicate the
11 science behind our regulatory decisions, where
12 the science is not always -- may not always be
13 complete or clear, such as in early
14 indications for emerging drug safety issues.
15 We must always explain the benefit and risks
16 of product in a way that people can
17 understand, so that they can be better
18 informed consumers. That's not always easy.

19 And there are limitations with
20 adverse event reporting. I think you've heard
21 that before in this meeting. And it's
22 oftentimes very difficult to explain the

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1 context around those numbers or reports.

2 Some additional challenges. We
3 need to develop better standards or at least a
4 consistent threshold for when we communicate.

5 Crisis communications. When an outbreak,
6 like spinach, or the recent salmonella
7 outbreak hits, our office is relatively small,
8 and we definitely adapt. But it is a strain
9 on our resources. We need to do a better job
10 at communicating at other audiences in
11 reaching out to those other audiences. For
12 example, we do translate some of our press
13 paper into Spanish, but we need to do a better
14 job at that.

15 Lastly, we recognize that measuring
16 the reach of our press releases and our
17 messages, is necessary to evaluate the
18 effectiveness of any communication program.
19 But we haven't found a way to do that
20 effectively and consistently.

21 Some new approaches that we think
22 we're making headway on. We just revamped our

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1 website. And we launched a new home page last
2 year. And we're continuing to make
3 improvements. This advisory committee, we're
4 excited about tapping into your expertise to
5 learn how we can better communicate.

6 Our subject matter experts and
7 technical experts are doing more interviews.
8 Our commissioners have been meeting with
9 editorial boards from major media outlets. We
10 just did a tour of our FDA science lab at our
11 Center for Devices and Radiological Health,
12 which they're doing really cool cutting-edge
13 science. And we brought a group of reporters
14 around, and they were really, really
15 impressed.

16 I think yesterday, someone asked, a
17 panelist asked, whether or not we provide
18 media for training. We actually don't provide
19 training for the media, but we do try to
20 develop good, working relationships with
21 reporters that we routinely -- that routinely
22 cover FDA. And the Commissioner actually

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1 holds roundtable discussions once a month with
2 groups of reporters, it's a roundabout issues,
3 and we invite other senior leaders. And so,
4 that's an opportunity for dialog.

5 We also invite reporters in and to
6 the Office of Public Affairs, we meet with
7 them to especially if they're new to the FDA
8 beat, and so we discuss each other's needs.

9 Providing context. This is so
10 important. I think we've made some strides
11 here. Take an example from the recent
12 salmonella St. Paul outbreak. During that
13 outbreak, we happen to post to our website a
14 news release that was about a food product.
15 It wasn't tomatoes. It wasn't Serrano Peppers,
16 it wasn't jalapeno peppers. But it was a food
17 product that had -- that was being recalled
18 with the potential to have salmonella
19 associated with it.

20 Well, we posted it to our website,
21 and of course, everyone immediately thought
22 that it was connected to the current

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1 salmonella St. Paul outbreak, when it wasn't.

2 So, we quickly went back to -- it was a
3 company's news release that we posted, because
4 we routinely post those, and we added some
5 language at the top of the news release to
6 say, this isn't -- this is not connected to
7 the current salmonella St. Paul outbreak.

8 And so that lesson reminded us the
9 importance of context. And we made sure to
10 add that language in other announcements
11 during that same time period.

12 Finally, Dr. Torti yesterday
13 mentioned that we are reaching out to science
14 writers, to try to engage them in FDA science
15 activities and we'll be holding a symposia in
16 the fall. So, in summary, communications is
17 the responsibility and top priority for FDA.
18 And there's high level support within the
19 agency.

20 There's also real will and desire
21 to keep the public informed. And we
22 absolutely welcome your advice and your

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1 council. So, with that, I think you very much
2 for the opportunity to speak.

3 CHAIRMAN FISCHHOFF: Thank you very
4 much. And I thank the other two speakers as
5 well. We have the rest of the day for
6 conversation. I understand that you have to
7 leave fairly soon, so let's --

8 MS. REBELLO: I have some time.

9 CHAIRMAN FISCHHOFF: Okay. But
10 let's be sure, want to be sure that we get a
11 chance to talk to Heidi and Heidi get a chance
12 to talk to us, and then we have a number of
13 you know, challenging topics that came up from
14 Janet -- John and AnnaMaria's presentation.
15 So who would like to speak?

16 MS. LAWSON: Good morning. And I
17 want to thank all of the panelists for their
18 presentations. They've all been very
19 informative. But I just have a question first
20 for Heidi.

21 When the agency is preparing to
22 issue a press statement, whether it's in a

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1 crisis situation or otherwise, is -- what is
2 the internal communication mechanism for your
3 center communication offices? I mean,
4 internally, is everyone prepared or informed
5 so that once the press statement is issued,
6 they can kind of reinforce it through their
7 networks of organizations that they work with
8 on an on-going basis?

9 I just -- I'm just interested in
10 how that's done.

11 MS. REBELLO: Sure. Can you hear
12 me?

13 MS. LAWSON: Yes.

14 MS. REBELLO: It's -- we have a
15 central point of contact when we have -- or
16 coordination for communications efforts when
17 there is emergency issue going on, or an
18 emerging issue. And so from the Office of
19 Public Affairs, we coordinate closely with the
20 people who reach out to stakeholders, through
21 our Office of Legislation, to our technical
22 experts in the Center.

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1 When we go about issuing press,
2 there's you know, a clearance process for
3 anything that goes out to the agency. But
4 it's really more of a coordination process.
5 So that all levels of the agency are aware and
6 are vested in what we're saying.

7 CHAIRMAN FISCHHOFF: Linda, and
8 then Christine.

9 MS. BRUHN: I also wanted to thank
10 each of our presenters. I enjoyed hearing
11 their perspective. My question is for Heidi.

12 At our first meeting, I believe it was the
13 first one, we heard from a reporter who
14 indicated that they were quite frustrated in
15 trying to reach people at FDA and I don't know
16 how long you've been here, Heidi, but this
17 reporter, I guess has been on the news beat in
18 D.C. for a number of years and described
19 significant change in the last five to ten
20 years as far as accessibility of some of the
21 scientists at FDA.

22 Can you address how -- what is the

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1 procedure when a reporter wants to go, not to
2 the press office, but to the scientists? And
3 how are you able to respond to that inquiry?

4 MS. REBELLO: Sure. I've been here
5 two years. But I've been in the Federal
6 Government in other Public Affairs Offices for
7 about, going on 18 years.

8 We ask that reporters go through
9 the Office of Public Affairs if they have a
10 media inquiry for the most part. And we
11 really act as a facilitator to make sure that
12 they get to the right expert, and we
13 coordinate you know the logistics of that
14 interview. We also help to you know, a lot of
15 our technical experts or scientists aren't
16 used to talking to reporters.

17 And so we really have to help them
18 get prepared so that they do a better job,

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