

UNITED STATES OF AMERICA
 FOOD AND DRUG ADMINISTRATION
 CENTER FOR DRUG EVALUATION AND RESEARCH

* * *

ANESTHETIC AND LIFE SUPPORT DRUGS ADVISORY COMMITTEE

MEETING

* * *

THURSDAY
 JANUARY 31, 2002

* * *

The Advisory Committee met at 8:00 a.m. in the Grand Ballroom of the Holiday Inn, Two Montgomery Village Avenue, Gaithersburg, Maryland, Dr. Nathaniel P. Katz, Acting Chair, presiding.

PRESENT:

NATHANIEL P. KATZ, M.D. M	Acting Chair
JIM ANTHONY, PhD	Guest
MICHAEL A. ASHBURN, M.D., MPH	Consultant
JANICE BITETTI, M.D.	Member
JEFF BLOOM	Patient Rep.
AMANDA S. CARLISLE, PhD, M.D.	Consultant
HOWARD D. CHILCOAT, M.D.	Guest
MARIA K. CONNOLLY, D.N.Sc	Consumer Rep.
KATHLEEN M. FOLEY, M.D.	Guest
ERIC S. HOLMBOE, M.D.	Consultant
TERESE T. HORLOCKER, M.D.	Consultant
BRUCE ALLEN LEVY, M.D., J.D.	Guest
LYNN A. LLOYD, R.Ph	Consultant
MITCHELL B. MAX, N.D.	Consultant
CHARLES H. McLESKEY, M.D.	Industry Rep.
LAURA F. McNICHOLAS, M.D.	Consultant
WINSTON C.V. PARRIS, M.D., FAcPM	Member
STEVEN PASSIK, M.D.	Guest
RUSSELL PORTENOY, M.D.	Guest
MARCUS M. REIDENBURG, M.D.	Consultant
RICHARD G. ROBERTS, M.D.	Guest

PRESENT: (continued)

MARK SCHREINER, M.D.	Guest
CHARLES SCHUSTER, M.D.	Guest
RICHARD M. SMILEY, M.D., PhD	Member
JOSEPH R. TOBIN, M.D.	Member
KIMBERLY TOPPER	Executive Secretary

	<u>PAGE</u>
Call to Order and Introductions	4
Conflict of Interest Statement	8
Welcome to Second Day and Comments	13
Open Public Hearing	17
Industry Presentation J. David Haddox, M.D., DDS	80
Introduction to Session III: Prescription Drug Abuse Bob Rappaport, M.D.	123
Current Data on Abuse and Diversion Judy Ball, Ph.D.	132
FDA Assessment of Abuse Liability Deborah Leiderman, M.D.	157
Criminal Drug Diversion Howard Davis, DEA	176
Epidemiology of Prescription Drug Abuse: Implications for the Clinical Setting Howard Chilcoat, M.D.	192
Prescription Drug Abuse in Pain Patients Steven Passik, M.D.	210
Regulatory Approaches to Risk Management of Prescription Opioid Drug Abuse Sharon Hertz	240
Questions and Discussion	257
Adjourn	366

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

(8:06 a.m.)

1
2
3 ACTING CHAIRMAN KATZ: Good morning. For
4 those of you who were not here yesterday, my name is
5 Nathaniel Katz. This is the Anesthetic and Life
6 Support Drugs Advisory Committee meeting, Day Number
7 Two. The topic is Opioids, and today we will be
8 focusing primarily on addiction and related matters.

9 What I'd like to begin with is
10 introductions. Most of the folks from the Advisory
11 Committee introduced themselves yesterday. However,
12 we have some new faces sitting around the table, some
13 of whom are still getting coffee, I suppose. I think
14 those folks were here yesterday.

15 So if we could perhaps go around the U-
16 shaped table and, if anybody was not here yesterday,
17 if they could briefly introduce themselves for the
18 group. Why don't we start again at that end of the
19 table.

20 DR. KWEDER: I'm Sandy Kweder from FDA.

21 DR. RAPPAPORT: Bob Rappaport, the Deputy
22 Division Director for the Division of Anesthetics,
23 Critical Care and Addiction Drug Products at the FDA.

24 DR. HERTZ: I'm Sharon Hertz, Medical
25 Officer with the Division of Anesthetics, Critical

1 Care and Addiction Drug Products.

2 ACTING CHAIRMAN KATZ: Why don't we go
3 ahead and do everyone again, because there are a
4 number of people, I hear, especially from the public
5 who were not here yesterday. So we can do it quickly,
6 I think.

7 DR. MAX: I'm Mitchell Max. I'm a
8 neurologist at the National Institute of Dental and
9 Craniofacial Research.

10 DR. LLOYD: And I'm Lynn Lloyd, the
11 Executive Director of the Arizona Board of Pharmacy.

12 DR. REIDENBURG: I'm Marcus Reidenburg, an
13 internist and pharmacologist at Cornell.

14 DR. HOLMBOE: I'm Eric Holmboe. I'm a
15 general internist from Yale University.

16 DR. ASHBURN: Michael Ashburn, an
17 anesthesiologist. I'm the Medical Director of Pain
18 Programs, the University of Utah and at Primary
19 Children's Medical Center.

20 DR. McNICHOLAS: Laura McNicholas from the
21 University of Pennsylvania and the Philadelphia VA. I
22 am a psychiatrist in substance abuse.

23 DR. HORLOCKER: I'm Terese Horlocker. I'm
24 an anesthesiologist at the Mayo Clinic.

25 DR. CONNOLLY: I'm Maria Connolly, and I

1 am Associate Professor at Loyola University, Chicago,
2 and I am the Consumer Representative to this panel.

3 DR. SMILEY: Rich Smiley, anesthesiologist
4 at Columbia University in New York.

5 DR. TOBIN: I'm Joe Tobin, pediatric
6 anesthesia and intensive care, Wake Forest,
7 University.

8 ACTING CHAIRMAN KATZ: I'm Nathaniel
9 Katz again. I'm a neurologist. I am affiliated with
10 Brigham and Women's Hospital and the Dana Farber
11 Cancer Institute in Boston, Massachusetts.

12 DR. CARLISLE: I'm Sue Carlisle. I'm an
13 anesthesiologist and intensivist from the University
14 of California, San Francisco, and Chief of Anesthesia
15 at San Francisco General Hospital.

16 DR. PARRIS: I'm Winston Parris, Tampa
17 Pain Relief Center and Professor of Anesthesiology at
18 University of South Florida in Tampa.

19 DR. LEVY: I'm Bruce Levy. I'm the former
20 Director at the Texas State Board of Medical Examiners
21 and the former Executive Vice President of the
22 Federation of State Medical Boards.

23 DR. McLESKEY: Charlie McLeskey, an
24 anesthesiologist. I work for Abbott Labs, and I'm
25 representing industry today.

1 MR. BLOOM: Hi. I'm Jeff Bloom. I'm a
2 retired AIDS volunteer patient advocate, and I'm from
3 Washington D.C.

4 DR. PORTENOY: I'm Russ Portenoy. I'm a
5 neurologist and Chairman of the Department of Pain
6 Medicine and Palliative Care at the Beth Israel
7 Medical Center in New York.

8 DR. ROBERTS: Rich Roberts, family
9 physician, University of Wisconsin.

10 DR. SCHREINER: Mark Schreiner. I'm a
11 pediatric anesthesiologist at Children's Hospital,
12 Philadelphia.

13 DR. ANTHONY: Jim Anthony, epidemiologist
14 from Johns Hopkins School of Public Health.

15 DR. SCHUSTER: Charles Schuster,
16 psychopharmacologist, Professor of Psychiatry and
17 Behavioral Neurosciences and the Director of the
18 Addiction Research Institute at Wayne State
19 University.

20 DR. FOLEY: I'm Kathy Foley. I'm a
21 neurooncologist and attending neurologist at Memorial
22 Sloan Kettering Cancer Center, and I direct a project
23 called the Project on Death in America to improve the
24 care of the dying which has an international
25 perspective to make drugs available to developing

1 countries, particularly analgesic drugs for the
2 treatment of pain in patients with cancer and AIDS.

3 DR. PASSIK: I'm Steve Passik. I'm a
4 psychologist from Community Cancer Care in
5 Indianapolis and the University of Indiana School of
6 Medicine.

7 DR. CHILCOAT: I'm Howard Chilcoat. I'm
8 an epidemiologist at the Johns Hopkins Bloomberg
9 School of Public Health.

10 ACTING CHAIRMAN KATZ: I thank everybody
11 for going through that. I want to remind you, the
12 speakers, there is a technical issue with the
13 microphone. So when you speak, you need to hit your
14 button and turn your microphone on, and when you are
15 finished speaking, you need to hit it and turn it off;
16 because it creates some sort of technical problem.

17 Let me make one more introduction which is
18 not made yet. This is Kimberly Topper sitting to my
19 left. You will hear me whispering back and forth to
20 her during the meeting when she tells me what I'm
21 doing wrong and what I'm doing right. Without her, I
22 can assure you that there would be no meeting today.
23 Nothing would happen correctly, and she will be
24 reading the conflict of interest disclosure.

25 MS. TOPPER: The following special

1 government employees have been granted general matters
2 waivers which permits their participation in today's
3 discussion: Michael Ashburn, Janice Bitetti, Richard
4 Gorman, Eric Holmboe, Terese Horlocker, Mitchell Max,
5 Laura McNicholas, Winston Parris, Marcus Reidenburg,
6 Richard Smiley, Joseph Tobin, Nathaniel Katz, Llyn
7 Lloyd, Maria Connolly, Amanda Carlisle.

8 The Committee will discuss the medical use
9 of opiate analgesics in various patient populations,
10 including pediatric patients and patients with chronic
11 pain of nonmalignant etiology, as well as to the risk
12 and benefit ratio of extending opiate treatment into
13 these populations.

14 The Committee will also address concerns
15 regarding the abuse potential, diversion and
16 increasing incidence of addiction to opiate
17 analgesics, especially to the modified release opiate
18 analgesics.

19 The FDA is in the process of amending its
20 policy concerning disclosure of financial interests
21 that give rise to waivers for participation in
22 meetings at which particular products are not at
23 issue. Unlike issues before Committee in which the
24 particular product is discussed, issues of broader
25 applicability such as the topic of today's meeting

1 involve many industrial sponsors and academic
2 institutions.

3 The committee members have been screened
4 for their financial interests as they may apply to the
5 general topic at hand. However, because general
6 topics impact on so many institutions, it is not
7 prudent to recite all the potential conflicts as they
8 apply to each member.

9 FDA acknowledges that there may be
10 potential conflicts of interest but, because of the
11 general nature of the discussion before the Committee,
12 these potential conflicts are mitigated. Should the
13 discussion turn to issues related to a specific party
14 matter, the Chair of the Committee will either
15 terminate the proceedings or redirect the discussion
16 to only matters of general interest.

17 With respect to FDA's invited guests, the
18 following are reported interests which we believe
19 should be made public to allow the participants to
20 objectively evaluate their comments.

21 Dr. James Anthony serves as a researcher
22 and has contracts and grants from NIDA, NIMH, NIA,
23 CSAT, CSAP and NIJ. In addition, in the past Dr.
24 Anthony has given a talk for Purdue Pharma and has
25 served as a scientific advisor for Star Scientific.

1 Dr. Steven Passik is a researcher on
2 contracts and grants from Eli Lilly, Janssen, Ortho
3 Biotech, Organon, and Pfizer. He also consults for
4 Eli Lilly, Janssen and Ortho Biotech. Additionally,
5 he is a scientific advisor to Eli Lilly, Janssen,
6 Adolor, and he receives speaker fees from Eli Lilly,
7 Janssen, Ortho Biotech, Organon, Pfizer, Purdue
8 Pharma, Roxanne and Knoll.

9 Dr. Richard Roberts is a scientific
10 advisor to Pharmacia's Detrol Global Advisory Board
11 and the Pfizer/ Pharmacia Bextra Primary Care Advisory
12 Board.

13 Dr. Charles Schuster has consulted for
14 Alza Corporation in the past.

15 Dr. Neil Schechter serves on Astra-
16 Zeneca's Speaker Bureau.

17 Dr. Mark Schreiner is a Medical Director
18 of the Children's Clinical Research Institute. As
19 such, he is involved in clinical trials sponsored by
20 Baxter Pharmaceutical, Sanofi Synthelabo, Novartis,
21 Purdue Pharma, L.P., King Pharmaceuticals, Abbott, and
22 GlaxoSmithKline. He receives no direct compensation
23 from the pharmaceutical sponsors.

24 Dr. Kathleen Foley in the past ten years
25 has consulted with many of the companies that make

1 analgesic drugs. In the past year she has worked with
2 Purdue Pharma, Janssen, Knoll and Abbott. She is also
3 on the Speakers Bureau for Purdue Pharma, Knoll and
4 Janssen. Additionally, she is a scientific advisor to
5 the American Pain Foundation.

6 Dr. Russell Portenoy has constituencies
7 with Merck, Ligand, and Akros. He is also on the
8 Speakers Bureau for Purdue Pharma and Janssen. Dr.
9 Portenoy also serves as scientific advisor for Cima
10 Pharmaceuticals, Durect, Chrysalis. Additionally, he
11 reports involvement on contracts and grants with
12 Parke-Davis, Boehringer Ingelheim, Elan, Ortho Bio,
13 Endo, Ametek, Medtronic, Purdue Pharma, Pfizer,
14 Janssen, Abbott, Curatech, Ortho-McNeil, Elan, Pfizer
15 and Searle.

16 In addition, we would like to disclose
17 that Charles McLeskey is participating in this meeting
18 as an industry representative and acting on behalf of
19 regulated industry. As such, he has not been screened
20 for conflict of interest. Thank you.

21 ACTING CHAIRMAN KATZ: Thank you,
22 Kimberly. What I'd like to do now is to reintroduce
23 Dr. Bob Rappaport, who is Deputy Division Director of
24 the Division of Anesthetic Critical Care and Addiction
25 Drug Products at the FDA, and he will be giving us

1 introductory comments this morning.

2 DR. RAPPAPORT: Dr. Katz, members of the
3 Committee, ladies and gentlemen, I would like to thank
4 you for returning for the second day of this Advisory
5 Committee meeting on opiate analgesic use and abuse.

6 I would also like to thank the Committee
7 for their discussion and commentary at yesterday's
8 session. I am confident that your input will prove
9 invaluable in our deliberations with our colleagues in
10 industry regarding their development programs for
11 opiate analgesics.

12 I would also like to thank the many
13 individuals who have taken their time from their busy
14 lives to present at the open public hearings. Your
15 voices, too, will impact on the decisions we make in
16 the future.

17 Yesterday we addressed the many practical
18 issues related to the interface between clinical
19 practice and clinical trial design. Today we will
20 address the difficult topic of risk management.

21 Opiate analgesics are a two-edged sword in
22 the medical armamentarium. They provide precious pain
23 relief, relief of discomfort and relief of fear for
24 many patients in pain, and yet their use can also have
25 devastating effects when they are improperly

1 prescribed, when they are diverted for illicit use or
2 when children are accidentally exposed to these potent
3 drugs.

4 Our purpose today is to find the right
5 balance between the benefits and risks associated with
6 opiate analgesics. We at the agency are well aware of
7 the concerns of the people who speak passionately for
8 both the enormous value as well as the significant
9 risks associated with these products.

10 To help us to continue to provide safe and
11 effective opiate analgesics to patients in need while
12 avoiding the inherent risks of these products, we ask
13 that you focus your comments on the discussion points
14 that we have provided to you in your background
15 packages. We also ask that you open your minds to
16 both sides of what is clearly an emotional and complex
17 topic for all of us.

18 Today you will first hear an industry
19 perspective on the development of opiate analgesics.
20 Following that, Dr. Judy Ball from the Substance Abuse
21 and Mental Health Services Administration will present
22 data on abuse and diversion of these products.

23 Dr. Deborah Leiderman will inform you
24 about the process by which the FDA assesses the abuse
25 liability of new drug products, and Mr. Howard Davis

1 will present the DEA's perspective on criminal drug
2 diversion in our communities.

3 You will also be informed about the
4 epidemiology of prescription drug abuse by Dr. Howard
5 Chilcoat, and about the problems associated with drug
6 abuse in pain patients by Dr. Steven Passik.

7 Finally, Dr. Sharon Hertz will present to
8 you some of the regulatory approaches that the agency
9 has employed thus far to mitigate the problems
10 associated with the abuse of opioid analgesics.

11 Armed with this invaluable information, we
12 are asking that you incorporate it into your
13 deliberations on a series of discussion points.

14 First, we are asking you to address the adequacy of
15 the available data to determine the prevalence of
16 addiction among patients treated with opiates for
17 chronic pain.

18 Second, we want you to address the
19 available methods for assessing and monitoring
20 addiction in the clinical setting and how those
21 methods might be extended to clinical trials.

22 Finally, we are asking you to comment on
23 what measures we should consider when we are assessing
24 the development of an overall risk management strategy
25 designed to reduce the abuse and diversion of opiate

1 analgesics while avoiding restriction of access to
2 these drug products by patients in need of treatment.

3 Once again, as I did yesterday, I would
4 like to read briefly from Dr. McCormick's cover memo.

5 While she has been unable to participate in this
6 meeting due to a medical condition, her words speak
7 eloquently to the conflicting concerns we face when
8 assessing opiate drug development plans.

9 "This meeting is about the patient
10 suffering from pain who requires opiate therapy for
11 adequate management. It is about the patient who is
12 an addict who also experiences chronic pain. It is
13 about the individual who may have a propensity for
14 substance abuse, who seeks opiate medication under
15 false pretenses.

16 "It is about the youth who tries
17 prescription drugs for the first time and dies from an
18 overdose. It is about the infant or child suffering
19 from a painful condition who may benefit from what
20 once were adult medications."

21 Thank you.

22 ACTING CHAIRMAN KATZ: Thank you, Dr.
23 Rappaport, for introducing some of the difficult
24 challenges that we will be facing today in making some
25 progress on these issues.

1 What we will do now is proceed to the open
2 public hearing. I see some of our speakers are ready.

3 What I would like to do is just make a few comments
4 to the speakers, which are identical to the ones that
5 I made yesterday.

6 The purpose of these comments is to make
7 sure that everybody from our rather full list gets a
8 chance to speak their mind. The main theme here is
9 that I am going to be the nasty guy that makes
10 everybody stick to their required time. So you've got
11 three minutes. If you use less than three minutes,
12 there's a special place in heaven reserved for you, I
13 know.

14 There will be a green light on for two
15 minutes. Then it will turn yellow for your last
16 minute, and then at the very end there will be a red
17 light, and then there will be a horrible buzzer, and
18 then there will be unspeakable punishments.

19 Everybody should have a list of the order
20 of speakers and, if you see that you are next, you
21 should sit up by one of those "speaker ready" chairs,
22 and the FDA technical people will help you find the
23 right place.

24 So with that, why don't we have our first
25 speaker, please.

1 MS. UNDERWOOD: Good morning. It's a
2 pleasure to have this opportunity to speak with you.
3 I'm Catherine Underwood, and I'm the Executive
4 Director of the American Pain Society.

5 The APS is an interdisciplinary
6 professional society of over 3500 members. The
7 Society is a public, not for profit organization and
8 has received support from pharmaceutical companies in
9 the form of unrestricted educational grants in support
10 of its mission.

11 Pain is one of the most common reasons
12 people consult a physician. Yet it frequently is
13 inadequately treated, leading to enormous social cost
14 in the form of needless suffering, lost productivity,
15 and excessive health care expenditures.

16 Patients with chronic pain and related
17 disability are best treated by an interdisciplinary
18 team. Since chronic pain is not a single entity but
19 may have myriad causes and perpetuating factors,
20 treatment strategies and options include behavioral
21 therapies, rehabilitation, interventional therapies,
22 and the sustained use of a number of different
23 medications, including opioids.

24 Barriers to the use of opioids include
25 often exaggerated concerns about addiction,

1 respiratory depression and other side effects,
2 including tolerance. In addition, fears of diversion
3 and regulatory scrutiny weigh heavily on the
4 physician's mind when he or she is considering
5 prescribing these medications.

6 The APS shares society's concerns about
7 addressing the diversion and potent opioids and other
8 controlled substances for illicit use. Substance
9 abuse, including alcohol, tobacco, opioids and other
10 substances, lead to individual, family, and societal
11 harm. However, we must not allow diversion and abuse
12 of opioids by some to deny deserving suffering
13 patients access to medications that relieve their
14 suffering, lessen their disability, and improve their
15 quality of life.

16 When considering options to address opioid
17 diversion, policy makers should carefully consider the
18 following: Opioids are important in the treatment of
19 chronic pain, and benefits far outweigh risks in
20 carefully selected patients. Opioids should be
21 administered within the context of established patient
22 care guidelines.

23 Physician and other health care provider
24 education and training regarding the diagnosis and
25 treatment of pain is poor. Patient care and outcomes

1 could be improved with better education.

2 Tension exists between efforts to decrease
3 abuse and diversion of opioids versus access to these
4 medications for legitimate use. Policy makers,
5 regulators and those in law enforcement should
6 carefully consider the potential for harm to patients
7 caused by efforts to control abuse and diversion.

8 Finally, policy makers should also
9 strongly support increased funding for chronic pain
10 research so that we can better understand the role
11 opioids play in the treatment of these complex
12 diseases.

13 Thank you for your time.

14 ACTING CHAIRMAN KATZ: Thank you. Next
15 speaker, please. Before you begin, let me just remind
16 all the speakers as well that it is important to begin
17 after you say your name and who you are with your
18 potential disclosure. So who do you work for, if
19 there is anybody that sponsored your trip down here,
20 if you work for an organization that is funded by a
21 pharmaceutical company, please lay all that out right
22 up front. Next speaker, please. Anybody there? Next
23 speaker?

24 DR. CORK: Good morning. My name is
25 Randall Cork. I'm the Chair of Anesthesiology at

1 Louisiana State University, and I'm the Director of
2 the Pain Management Clinic there. We serve an area of
3 mainly northern Louisiana, eastern Texas, southern
4 Arkansas.

5 In terms of disclosures, I've been in
6 academic medicine for about 20 years. I've done a
7 number of research studies in the name of the various
8 institutions, and these institutions include
9 University of Arizona and Louisiana State University,
10 both of which have gotten funds from Merck, Roche,
11 Pfizer, Alza and other companies.

12 I have also given some talks in northern
13 Louisiana and souther Arkansas that have been funded
14 by some of these companies.

15 I'm going to briefly comment on the
16 written comments that I have submitted to the
17 Committee, and then kind of take the opportunity of
18 using whatever time might be left to address some of
19 the things that were raised yesterday during the
20 meeting.

21 In terms of my written comments, they are
22 very brief. They specifically address the issue of
23 opioids compare to nonsteroidal anti-inflammatory
24 agents. It's always impressed me that we spend all of
25 this time and energy attempting to regulate opioids,

1 but we kill many more patient with nonsteroidals than
2 we do opioids, and yet the regulatory efforts in that
3 direction are minimal. Those drugs are available
4 over-the-counter. We kill 17,000 people a year with
5 nonsteroidals.

6 With regard to some of the comments that
7 were made yesterday, specifically in my context I was
8 not paid to come here by a drug company. The
9 Department of Anesthesiology funded my trip because of
10 the concern that our patients have expressed that the
11 government is getting ready to help them again.

12 They were previously helped by the
13 government of Louisiana when they instituted some of
14 the rules that the Texas Board instituted in terms of
15 regulation of physicians. What happened at that time
16 was that suddenly the physicians in Louisiana were
17 afraid to prescribe opioids again, and their patients
18 all suddenly ended up on the doorstep of LSU. We now
19 have about 500 patients on our waiting list.

20 Some questions for Dr. Levy that I have
21 regarding these board regulations: It seems that the
22 regulations do tend to effectively punish those
23 physicians who prescribe opioids too much, but there
24 has never been an instance as I know where Texas has
25 disciplined a physician for not treating pain

1 adequately enough, and yet as we found out from
2 previous speakers, that seems to be the main problem.

3 ACTING CHAIRMAN KATZ: Dr. Cork, I'm
4 afraid I'm going to have to ask you to bring your
5 comments to a close.

6 DR. CORK: Thank you very much.

7 ACTING CHAIRMAN KATZ: The next speaker,
8 please.

9 DR. BATTISTA: Hi. I'm Dr. Ellen
10 Battista. I'm going to read off my paper here. I
11 have over 15 years of experience in chronic pain
12 treatment, both in cancer pain, nonmalignant pain. I
13 have treated also children with pain and have
14 established several programs in this area.

15 Currently I'm in a chronic pain practice.

16 On the personal side, I am the mother of two, one
17 teenager and a wanna-be teenager. As every parent, I
18 have concerns whether my children will make good
19 choices in life, and I am concerned with whether my
20 children will engage in risky adolescent behavior that
21 provides them with encounters with tobacco, alcohol
22 and illicit drug use.

23 My multiple roles in life as a pain
24 treatment provider and mother have caused me to look
25 closely at the issues at hand today regarding the

1 medical use of opiates versus its effect in drug abuse
2 in this country. After close evaluation of the facts
3 and my experience, I have come to today's meeting for
4 the purpose of supporting legitimate medical use of
5 opiates in the treatment of pain.

6 As you all know, over 100 million North
7 Americans suffer from chronic pain. They are either
8 partially or totally disabled by pain. The toll of
9 unrelieved pain is high.

10 It leaves the individual with loss of
11 function of daily activities, loss of financial
12 stability, alters the individual's relationship with
13 significant others, causes severe depression where
14 suicide may be contemplated to escape its suffering.

15 It costs industry over \$60 million
16 annually -- billions, excuse me, not millions. There
17 has been much research over the past 35 years, and we
18 have improved our ability to treat pain. It still is
19 not perfect.

20 More specifically, the advent of opiate
21 drugs that are long lasting, sustained release or
22 controlled release have provided patients an
23 opportunity to experience more continuous relief than
24 their predecessor drugs that afforded only several
25 hours of relief.

1 Opiate analgesics can be therapeutic in a
2 percentage of patients with pain problems. Their use
3 should depend on intended outcome, and they should be
4 monitored.

5 The issue at today's meeting is whether
6 legitimate use of these opiates provide a risk to
7 society at large, and we know that the adolescents are
8 at highest risk. But despite this fact that we know
9 that, we have no clearcut guidelines as to why drug
10 abuse is a problem in certain individuals and why
11 moment decisions have long term consequences.

12 It would appear that addiction behaviors
13 are not only facilitated by environment but may also
14 be influenced by heredity, cognitive development. In
15 short, the addiction issue is complicated and multi-
16 faceted.

17 Herein may lay the problem with the
18 issues. We are taking a complicated issue of
19 addiction, trying to place responsibility on one
20 category of drug, and superimposing the issue of
21 legitimate medical use for the treatment of pain, when
22 the problems need to be analyzed and dealt with
23 separately.

24 In a desperate attempt to curtail drug
25 addiction in our society, we have tried to impose a

1 cause and effect model where it is not appropriate.
2 Simplistic solutions for curtailing or limiting a drug
3 category will not alter appropriate -- not alter abuse
4 for other drugs.

5 The issue of addition needs to be --

6 ACTING CHAIRMAN KATZ: I'm sorry. I have
7 to ask you bring your comments to a close.

8 DR. BATTISTA: I am. Any action that
9 limits or curtails legitimate medical use for opiates
10 will harm millions of Americans who need these
11 medications for the treatment of their pain. These
12 drugs are vital. The use of opiate --

13 ACTING CHAIRMAN KATZ: I'm sorry. You
14 have to stop speaking. Your time is finished.

15 DR. BATTISTA: I'm sorry. Okay.

16 ACTING CHAIRMAN KATZ: Could we have the
17 next speaker, please.

18 MS. BALUSS: Good morning. My name is
19 Mary Baluss. I am from the Palliative Care Law
20 Project. I have nothing to declare.

21 I submitted a written statement to the
22 Committee, and I hope that you will review it. In the
23 interest of time and not being repetitive, I'd like to
24 make three major points that were in the brief, but I
25 wanted to highlight them somewhat.

1 The first is that pain is an epidemic, and
2 it is untreated, as you've heard. I think one of the
3 factors there that doesn't get much talked about is
4 the fact that opioids are the first line of defense
5 against pain in the poor, that there is a great deal
6 of talk about opioids being appropriate only after
7 other modalities have failed. However, in
8 underserved, low economic status populations, it is
9 not possible to refer the patient for extensive MRIs,
10 and they are not available to the anesthesiologists and
11 the procedural efforts to cure pain.

12 These folks are often limited, because
13 they are on Medicaid. Medicaid often limits the
14 number of prescriptions, and very few specialists will
15 take Medicaid.

16 So if you restrict Oxycontin to
17 specialists and if the state medical boards continue
18 to harp on -- and I don't mean to be disrespectful --
19 all other modalities, then the people who work all
20 their lives at jobs that are intensely physical, who
21 have no medical insurance, and who live in a community
22 where the first line of analgesia is alcohol will be
23 seriously disserved.

24 Secondly, I want to tell you about -- and
25 this is partly in response to Dr. Levy's presentation

1 yesterday. After I left here yesterday, I got three
2 communications. One was from a man in Missouri whose
3 uncle was dying of massively metastasized cancer, who
4 had had no pain medicine beyond over-the-counters, and
5 his doctor, knowing full well he was in pain, had said
6 to them I am not going to lose my license.

7 This is a doctor who chose gross
8 malpractice over treating pain, because of fear of
9 losing his license. Dr. Levy was very, I think,
10 appropriately clear yesterday about the number of
11 sanctions by state medical boards. However, that
12 understates the problem very dramatically, because it
13 doesn't take into account letters from state medical
14 boards that quite reasonably scare people off the
15 market. It --

16 ACTING CHAIRMAN KATZ: Could you wrap up,
17 please?

18 MS. BALUSS: Yes. So there are -- The
19 other two pieces of news that I got yesterday was that
20 one doctor's DEA license was being pulled. Thank you.

21 ACTING CHAIRMAN KATZ: Thank you very much
22 for your comments, in particular those about the role
23 of opioids in the poor. You can go ahead and have a
24 seat, please.

25 I just want to reemphasize the purpose of

1 the timer for the subsequent speakers. The purpose of
2 the timer is so that today in a very difficult and
3 challenging area where there is a wide diversity of
4 opinions and a wide spectrum of individuals to be
5 represented, we want to make sure that everybody is
6 heard. So I have to be the rude one to enforce the
7 timer, but I hope that you will forgive me in advance
8 and do your best to stick within your allotted time.

9 Yes, the next speaker, please.

10 DR. GALLAGHER: Good morning. My name is
11 Rollin Gallagher. I am representing the American
12 Academy of Pain Medicine and its Board of Directors.
13 The American Academy of Pain Medicine does receive
14 funds from a variety of industry sources for
15 continuing education in pain medicine.

16 The American Academy of Pain Medicine
17 recognizes and is concerned about reports of potential
18 actions by the DEA and the FDA about the -- to
19 restrict the availability of Oxycontin, and the recent
20 media coverage sensationalizing opioid diversion and
21 abuse is causing several states to consider the ban of
22 some opioid preparations.

23 This action will adversely affect the care
24 and the lives of many millions of patients who
25 legitimately require these medications and opioids in

1 general for management of their pain disorders in
2 order to function in their lives.

3 Media publicity, when biased and
4 nonscientifically based, further promotes a believe in
5 the general public that proper treatment of pain
6 disorders with opioids will invariably result in
7 addiction.

8 Physicians fearing undue discrimination,
9 persecution, investigation and possible prosecution
10 will avoid prescribing opioids to the detriment of
11 their patients, and even when they are the safest and
12 the most effective treatments.

13 The AAPM, the American Academy of Pain
14 Medicine, and the AMA are on record as strongly
15 opposing medication diversion and abuse and supporting
16 the DEA and state medical boards' efforts to curtail
17 diversion. We support and sponsor continuing
18 education of all physicians on the appropriate use of
19 opioids as part of pain treatment.

20 We recognize, however, that addiction is
21 an important neurobiological brain disorder affecting
22 many aspects of a person's life, and the root cause of
23 drug abuse is not any one drug but rather untreated
24 addiction and the lack of access to good addiction
25 treatments.

1 In June the AAPM sponsored a resolution to
2 the AMA which was passed to established policy to (1)
3 support the prevention and treatment of pain
4 disorders, including the continued education of
5 doctors in the use of opioids and other treatments for
6 pain; (2) to support education of all medical students
7 and physicians in pain and addictions; (3) to serve as
8 educational resources to the media by providing
9 objective information regarding the management of
10 pain.

11 In the interest of time, I will wrap it up
12 for you guys. I support the other statements that
13 have been made about the importance of opioids in pain
14 treatment. The AAMA and the APM remain committed to
15 promoting appropriate pain treatment, and we will be
16 available to you and your distinguished panelists to
17 explore acceptable and available methods to prevent
18 and eliminate diversion and abuse of controlled
19 substances. Thank you very much.

20 ACTING CHAIRMAN KATZ: Thank you, Dr.
21 Gallagher. May we have the next speaker, please.

22 MR. LIEB: Good morning. My name is Rick
23 Lieb, and I am here to speak with you not only as a
24 Board member of the National Pain Foundation but also
25 as a person who lives with chronic pain.

1 Consequently, let me be presumptuous and
2 say that I feel as though I am talking for the
3 millions of people in the U.S. who live daily with
4 pain. I am here because I am concerned at the recent
5 publicity surrounding the misuse and abuse of pain
6 medications, particularly Oxycontin, because of
7 backlash in this country that will set back pain
8 treatment years, if not decades.

9 Both as a Board member of the NPF and as
10 an individual with chronic pain, I am concerned that
11 this resulting backlash from these tragic incidents
12 will have even more severe repercussions for people
13 like me who rely on these kinds of pain medications to
14 live more normal lives.

15 I would like to share with you in a very
16 brief manner my personal experience with chronic pain.

17 In 1995 and 1996 I had two low back fusions in an
18 effort to fix degenerative disk disease. As a result,
19 I was left with arachnoiditis which, as you know, is a
20 condition that is progressive and is really disabling
21 and generally leaves people unable to work.

22 From 1996 to 1998 I lived with this
23 problem. I continued to work, but the pain was
24 clearly beginning to interfere with my personal and
25 professional life.

1 In my search for pain relief, I visited
2 multiple doctors. Every single -- Every visit was
3 incredibly frustrating. Just five years ago, many
4 physicians viewed pain either as a character flaw or
5 as untreatable because of their own reluctance to
6 prescribe pain medication stronger than nonsteroidals.

7 In addition, many doctors strongly
8 suggested to me that the use of any medications more
9 potent than nonsteroidals was an admission of
10 character weakness and could lead to addiction. This
11 personal indictment occurred despite any analysis of
12 my own personal background, including a tour in
13 Vietnam as a Marine infantry officer, a flourishing
14 family and demonstrated success in the business world
15 and being on various -- in a publicly held firm and on
16 multiple public and private boards.

17 In 1998 I met my current pain management
18 doctor. He taught me an entire program, and I manage
19 my pain, including the appropriate use of opioids. He
20 taught me that pain is real and that the appropriate
21 use of narcotic medications will reduce pain, improve
22 an individual's quality of life, and enable someone to
23 continue on with their personal and professional
24 goals.

25 He taught me that opioid use is not a

1 result of a character flaw, but an appropriate part of
2 pain management treatment.

3 I strongly urge the Committee to consider
4 the needs of the many rather than the failings of the
5 few when the time comes to draft public policy for the
6 safe and effective use of these medications.

7 I speak on behalf of the Board of
8 Directors of the National Pain Foundation to offer our
9 assistance in addressing the serious problem of
10 diversion and access to good medical care and
11 successful pain treatment. Thank you.

12 ACTING CHAIRMAN KATZ: Thank you, sir.
13 May we have the next speaker.

14 MR. LIEB: Seven seconds.

15 MR. CINQUE: I have a brief disclosure.
16 The organization I represent does receive unrestricted
17 educational grants from the pharmaceutical industry.

18 I'm Michael Cinque, pharmacist, Chief
19 Pharmaceutical Care Officer for Excelerex. Excelerex
20 provides pain management support services for hospice
21 patients across the nation.

22 I'm here today on behalf of the American
23 Pharmaceutical Association, the national professional
24 society of pharmacists. Prescription medications are
25 safe and effective when used appropriately, but they

1 can be deadly when used incorrectly.

2 Pharmacists are the health care providers
3 who work most closely with patients to make the best
4 use of medications. We also work with prescribers and
5 other providers to prevent medication misuse such as
6 diversion and abuse.

7 We look for such abuse markers to visit --
8 as visiting multiple prescribers and unusually large
9 quantities. However, it's not always easy to
10 determine if a prescription is fraudulent. No simple
11 algorithm determines appropriate use, and pharmacists
12 cannot view every patient as a potential drug abuser
13 without compromising their responsibilities as a
14 health provider.

15 The APhA applauds the FDA and DEA efforts
16 to ensure the legitimate users of opiate analgesics
17 maintain the ability to continue using these products.

18 We caution, however, against efforts to restrict
19 distribution or create administrative processes like
20 triplicate prescriptions that limit a provider's
21 ability to prescribe or dispense appropriate therapy.

22 With every barrier erected to limit
23 diversion, the potential for those barriers to
24 diminish appropriate prescribing increases
25 exponentially. Restrictions in the drug distribution

1 process will disturb patient care by delaying access
2 to medication therapy and disrupt existing
3 patient/pharmacist/prescriber relationships.

4 Any additional stigma attached to these
5 drugs will have a chilling effect on a provider's
6 willingness to prescribe and dispense the appropriate
7 pain medication and patients' interest in using it.

8 APhA believes that measures to curb abuse
9 and addiction should be considered, but discourages
10 using any administrative barriers like triplicate
11 prescriptions as a risk management solution.

12 A survey conducted by New York State's
13 Public Health Council found 71 percent of physicians
14 surveyed reported that they do not prescribe the most
15 effective pain medication for cancer patients if the
16 prescription requires a special state monitored
17 prescription form for controlled substances, even
18 when the medication is legal and medically indicated
19 for the patient.

20 We were pleased that during the December
21 House subcommittee hearing on Oxycontin, both DEA
22 Administrator Hutchinson and Subcommittee Chairman
23 Wolf stated that they do not want or intend to
24 restrict legitimate use of Oxycontin. According to
25 Hutchinson, the DEA recognizes that the best means of

1 preventing the diversion of controlled substances,
2 including Oxycontin, is to increase awareness of the
3 proper use and potential dangers of products. We
4 agree, and not that pharmacists can be an excellent
5 communicator of that information.

6 In conclusion, it's important that
7 patients do not lose timely access to a valuable class
8 of effective pain medication because of a failure to
9 prevent medication misuse. Again, I emphasize that
10 restricted distribution and administrative barriers
11 are not the answer.

12 The solution requires the education of
13 health professionals, law enforcement personnel, and
14 the public on the use and abuse of pain medication.

15 Thank you for your consideration of the
16 views of the nation's pharmacists.

17 ACTING CHAIRMAN KATZ: Thank you very
18 much. Next, please.

19 MS. BURKHOLDER: Good morning. I am
20 Rebecca Burkholder with the National Consumers League.

21 I would like to inform the Committee that
22 occasionally the League receives financial support
23 from pharmaceutical companies for specific consumer
24 education projects in which we maintain full editorial
25 control. This amounts to less than one-half of one

1 percent of our annual operating budget.

2 The National Consumers League is a
3 national nonprofit consumer organization that has
4 represented consumers and workers in the marketplace
5 for over 100 years. The League provides information
6 and educational materials to consumers so they can
7 make wise health care decisions, including the safe
8 and effective use of pharmaceuticals.

9 The League commends the FDA for looking at
10 the problem of illegal and inappropriate use of opioid
11 analgesics. A delicate balance must be struck,
12 however, between the prevention of abuse of a powerful
13 opioid and ensuring that individuals suffering from
14 debilitating chronic pain have access to drugs that
15 offer prolonged relief.

16 NCL believes FDA's decision to strengthen
17 the labeling of Oxycontin is justified. The black box
18 warning prominently reminds physicians, pharmacists
19 and patients that Oxycontin contains a powerful opioid
20 with potential for abuse and addiction.

21 The more detailed indication and usage
22 section helps limit overprescription by identifying
23 situations in which the drug is not indicated. These
24 warnings should change any faulty prescription
25 practices as well as alert physicians to the potential

1 for abuse, misuse and diversion.

2 Although misuse and diversion are and will
3 continue to be potential problems for all opioids, it
4 would be indefensible to deny pain patients a safe and
5 effective therapy. Today there are between 50 and 60
6 million Americans who suffer from chronic pain.

7 The under-treatment of pain affects the
8 quality of life for millions of people, from cancer
9 patients to those who suffer from severe
10 osteoarthritis or back pain. Oxycontin is one of the
11 effective treatments for pain, because it provides
12 continuous relief from prolonged or chronic pain.

13 It is critical that any regulatory
14 measures taken to reduce abuse and diversion of opioid
15 analgesics not interfere with the legitimate use of
16 these drugs. For those patients who find Oxycontin
17 the most effective safe treatment for pain, the drug
18 should continue to be available.

19 We encourage the FDA to continue to
20 education health professionals and the public on the
21 appropriate use of opioid pain medications. FDA
22 should also continue to monitor reports of abuse,
23 misuse and diversion of opioids and work with other
24 Federal agencies and drug manufacturers to ensure that
25 opioids remain available to the appropriate patients.

1 We believe that the stronger FDA warnings
2 for Oxycontin will help ensure that the drug is not
3 misused.

4 Finally, the League hopes the FDA will
5 continue to take into account the entrance of millions
6 of legitimate uses of opioid analgesics when it makes
7 important decisions concerning these drugs. Thank
8 you.

9 ACTING CHAIRMAN KATZ: Thank you. Next,
10 please.

11 DR. BUEDE: Good morning, members of the
12 Committee and audience. My name is Dennis Buede. I
13 have a PhD in Engineering and no conflicts of any kind
14 with pharmaceutical companies to report.

15 I am here today as the spouse of someone
16 who suffers from perimenopausal exacerbated severe
17 hormonal migraines, often three days of duration and
18 duration disabling pain. For approximately 12 months
19 my wife has been under the care of Dr. Statkis of the
20 Dulles Pain Management Center.

21 Not only has her condition greatly
22 improved, but the improvement in her wellbeing and
23 ability to function has made it possible for me to
24 accept a position at Stevens Institute of Technology.

25 This position requires greater time away from home.

1 As a Professor of Systems Engineering and
2 with a specialization in decision analysis, the
3 description of your announcement indicating that you
4 were undertaking the risk to benefit ratio of
5 extending opioid treatment into the populations of
6 pediatric patients and patients with nonmalignant
7 etiology intrigued me.

8 This is very relevant to our family
9 situation, especially since the DEA has mounted a
10 campaign against doctors and pharmacists responsible
11 for the Oxycontin abuse.

12 I would like to address some key issues
13 involving both values and uncertainties for viewing
14 the risk to benefit analysis that you are considering.

15 First, let us address uncertainties.
16 Uncertainties exist for many reasons. Three of the
17 most important for the opioid treatment of pain are
18 the variation among humans -- none of us is the same,
19 and no solution fits us all; the unknowns in medicine
20 that are still left for us to fathom; and the relative
21 ratio of people using opioids for pain relief versus
22 abusing the opioids for an addiction.

23 The first example of uncertainty presents
24 itself to us on a daily basis. Yet we are constantly
25 finding educators and health care providers trying to

1 fit us all in the same pair of shoes. When one of us
2 visits a doctor and receives any kind of medicine,
3 there exists uncertainty about whether our body will
4 respond the way others have.

5 As an example of the second reason, a
6 limited knowledge in medicine, it was not too long ago
7 that we discovered that infants feel pain, changing
8 the medical recommendations of family decisions
9 associated with such practices as circumcision.

10 I would like to also address the fact that
11 -- the issue of patient complaining of pain. It is
12 not difficult to use opioids responsibly. I know it
13 is indeed a difficult issue faced by prescribing
14 doctors.

15 I would like to offer an analogy for
16 viewing this problem. In this nation and many others,
17 there are a certain number of bad police persons. As
18 a society, we do not disband the police force, because
19 most police persons are honest, and we need them, just
20 as we need pain relievers.

21 A police chief cannot tell a bad potential
22 hiree from a good potential hiree with perfect
23 accuracy during the interview process, just as a
24 doctor does not have the ability to perfectly discern
25 a new patient is a person in pain from an addict.

1 Just as we let the police chief hire the
2 individuals that he/she believes are the best
3 candidates, we should let the doctor prescribe the
4 appropriate pain medication.

5 ACTING CHAIRMAN KATZ: Dr. Buede, I'll
6 have to ask you to wrap up your comments.

7 DR. BUEDE; Okay. I'd like to wrap up
8 with this statement from Albert Schweitzer in 1953:
9 "We must all die, but that I can save a person from
10 days of torture, that is my great and ever new
11 privilege. Pain is a more terrible lord of mankind
12 than even death itself."

13 I would suggest that this privilege be
14 considered at the FDA as well. Thank you.

15 ACTING CHAIRMAN KATZ: Thank you very
16 much. Next speaker, please.

17 DR. CRANMER: Yes. I'm Kerry Cranmer from
18 Oklahoma City. I have been a geriatrician, have been
19 involved in Speaker's Bureau for Abbott, Lilly,
20 Falding, Janssen, Purdue, Ortho-McNeil and Novartis.
21 We have done Phase III and IV studies for Omnicare
22 Clinical Research involving several companies.

23 As a geriatrician, I have limited my
24 practice to long term care and the treatment of the
25 frail elderly. Our concern is to be able to provide

1 the comfort and dignity that they do deserve.

2 I want to kind of spend a little bit of
3 time discussing what some of the research has shown as
4 far as the prevalence, the results and the treatment
5 of pain in the frail elderly population.

6 First of all, in 1996 Winnie Stein showed
7 that 45 to 80 percent of all the patients in long term
8 care facilities had chronic daily pain, depending, of
9 course, on the facility. In 1998 we are all aware of
10 Joanne Lynn's support study showing that 50 percent of
11 the patients dying in the hospitals were in moderate
12 to severe pain in the last few days of life.

13 In 1998 Bernibye basically showed that
14 cancer patients going into long term care were not
15 treated in their daily pain, and that 40 percent of
16 them showed chronic daily pain, and approximately 25
17 percent of those were not on any analgesics
18 whatsoever.

19 The next year provided another study based
20 on a chart review. The MDS, minimum data set, is
21 required on every patient admitted to nursing homes.
22 Based on those assessment forms, we found out that --
23 and reviewing 50,000 of those patients -- that the
24 same figures were found. Thirty-three percent were in
25 daily pain, and 25 percent of those were on no

1 analgesics whatsoever.

2 We found out by that that we had to
3 increase physical therapy. We had increased
4 depression. We had increased loss of activities of
5 daily living.

6 Even last year, Joan Tino at Brown
7 University showed us in 110,000 charts that were
8 viewed and MDS data that was reviewed, we found out
9 that similar findings, and I'll just surmise to say
10 that we had 40 percent of those that were in severe
11 pain, were still in severe pain 60 to 180 days later.

12 We have a tremendous prevalence of pain in
13 these areas. The results of that chronic pain have
14 basically shown us that we have physical as well as
15 psychological consequences. The depression, the
16 increased activities of daily living are major issues
17 that we have to be concerned about.

18 Opioids are the most geriatric friendly
19 medications that we can use. Nonsteroidal anti-
20 inflammatories can provide renal impairment in their
21 chronic use. I think propoxyphene has been on the
22 inappropriate list for over 20 years now for geriatric
23 patients.

24 Opioids remain the preferred treatment for
25 the elderly. Diversion is always a concern for every

1 conscientious physician, and yet we have yet to find
2 in the nursing home increased stolen televisions and
3 selling of sex for increased drugs. We just haven't
4 seen it.

5 I just want to surmise to say that we feel
6 like we have to address the needs of the frail elderly
7 in America and provide the comfort and dignity that
8 they deserve. Thank you.

9 ACTING CHAIRMAN KATZ: Thank you very
10 much. Next, please.

11 MR. MONAHAN: Thank you for the
12 opportunity to be here this morning. My name is Jim
13 Monahan. I'm the Program Administrator of Houston
14 Hospice in Houston, Texas. I've been doing hospice
15 work for the last 16 1/2 years.

16 This morning I am speaking on behalf of
17 Houston Hospice and the Texas and New Mexico Hospice
18 Organization on whose Board I serve as Vice President.

19 Neither I nor Houston Hospice has been reimbursed or
20 given any consideration by pharmaceutical companies to
21 be here today, although both the hospice and the
22 hospice organization have received educational grants
23 from pharmaceutical companies to put on educational
24 offerings to the professional community.

25 I'm speaking on behalf of the 14 to 1500

1 patients also who will be treated by Houston Hospice
2 in this next year and by the many thousands of other
3 patients treated by the hospices in Texas, New Mexico
4 and the rest of the country, with the goals of
5 eliminating pain and other symptoms and finding
6 meaning in the last days and weeks of life.

7 Let me tell you about one of these
8 families. Last summer I went to visit a patient in
9 one of the better hospitals in Houston. He was in his
10 mid-seventies. When I arrived at the hospital, his
11 granddaughter was holding his hand and saying,
12 "Grandpa, I love you."

13 He was moaning in pain. That was his
14 response. His family was there, adult children and
15 his wife of many years. After some conversation about
16 hospice and hospice goals, they said we know he's
17 dying; if he could die without pain, we'll be happy.
18 The man was in extreme pain. He had been in the
19 hospital for ten days at that point.

20 His son and daughters were medical
21 personnel. They were nurses, paramedics and
22 helicopter pilots who did emergency medicine. The son
23 came to me and said that his father's physician had
24 suggested morphine for his dad, but it was up to the
25 son. It was up to the son to make that decision.

1 There were fears that the son expressed of
2 addiction, of ceiling limits that we know about with
3 patients afraid that if they start now, it won't be
4 available later, and just stoic ideas of a very
5 practical family about using narcotics at the end of
6 life.

7 I think this is wrong. It shouldn't be
8 left to the family. It shouldn't be left to the
9 person. It should be up to the health care providers
10 to make these decisions with the input of the family,
11 and every obstacle that we put into place that limits
12 the good pain control is a disservice.

13 Obstacles include physical obstacles such
14 as limits on the manufacturing or distribution,
15 psychological obstacles such as fear and other factors
16 involved, and educational obstacles. We need to teach
17 our health care providers more. We need to do less to
18 increase and enhance the fear of distribution of
19 medications.

20 Two days ago in the local paper I saw an
21 article about the theft of Oxycontin from a pharmacy.

22 I did not see in today's paper anything about the
23 wonderful testimony yesterday about people's pain,
24 people's lives being given back from eight years of
25 pain, and others.

1 These are the stories that are overlooked
2 by our media. It's up to us to get the word out about
3 good pain control, good symptom control to the
4 American public and to our health care providers.

5 Thank you.

6 ACTING CHAIRMAN KATZ: Thank you, Mr.
7 Monahan. Next, please.

8 DR. GLOTH: I'm Dr. Michael Gloth. I'm on
9 your list for yesterday actually, and there was
10 apparently a mix-up, and I got today as being my day.

11 I'm Associate Professor of Medicine at
12 Johns Hopkins. I'm the Chief of Geriatrics at Union
13 Memorial Hospital. I serve as President of Victory
14 Springs Senior Health Associates, one of the few
15 private practices in the country that consists of
16 physicians all fellowship trained in geriatrics.

17 I serve on the American Geriatric Society
18 Board that is currently revising the chronic pain
19 guidelines for the older adult, and I also serve on
20 the panel that is revising the Behrs criteria. I'm
21 the immediate past President of the Hospital Network
22 of Maryland.

23 Eastern Cooperative Oncology Group study,
24 a study of cancer patients looking at pain,
25 demonstrated that the number one risk factor in that

1 study for inadequate pain management was simply being
2 over the age of 70.

3 We often get sidetracked with side
4 effects, and thus do not provide effective pain
5 management. It would be unfortunate if additional
6 regulation and restrictions on opioids were instituted
7 and, by doing so, we limited the availability of these
8 opioids to those folks that need them.

9 It is important for us to make sure that
10 we recognize that such singling out of opioids will
11 lead to a limited use of these opioids by prescribers.

12 Recognize that the Behrs criteria will not
13 list Oxycontin as a drug to be avoided in the elderly.

14 IT is one of the opioids that reaches its steady
15 state in the most timely fashion of all oral opioids
16 available.

17 In the interest of maintaining my special
18 place in heaven, I am going to close, but I hope that
19 you all will maintain your special place in heaven by
20 allowing us to continue our efforts to relieve
21 suffering for seniors. Thank you.

22 ACTING CHAIRMAN KATZ: You forgot your
23 disclosures, Dr. Gloth.

24 DR. GLOTH: I'm sorry. I am affiliated
25 with just about every pharmaceutical organization that

1 is associated with oral analgesics. I'm either
2 serving as a speaker on their speaker's bureau, a
3 consultant, or else I have received grants from those
4 organizations. Thank you.

5 ACTING CHAIRMAN KATZ: Thank you very
6 much. You still get your place in heaven. Let me
7 remind the subsequent speakers to begin with their
8 disclosures. Thanks.

9 MR. COLEMAN: Good morning. My name is
10 John Coleman, and I am a former Assistant
11 Administrator of the Drug Enforcement Administration
12 who for several years was in charge of law enforcement
13 operations for the agency, including those carried out
14 by the DEA Office of Diversion Control.

15 In 1998 I retired from the DEA after 32
16 years of service. Although I appear here today as a
17 private citizen, in the interest of full disclosure, I
18 must state that I am member of the Speaker's Bureau
19 for Janssen Pharmaceutica. I have also been the
20 recipient of an unrestricted educational grant from
21 Janssen to support my academic work.

22 I would like to spend the next few minutes
23 talking about something I believe is directly related
24 to the questions posed by the Committee regarding
25 prescription drug abuse.

1 Given my background, I am concerned about
2 the quality of data being collected and published by
3 the government on prescription drug abuse in America.

4 Prescription drug abuse is a function of many things,
5 including price, availability, accessibility, rate of
6 onset and duration of effects, the effects themselves
7 and the route and ease of administration.

8 Subjective factors also play an important
9 role, but they are far more difficult to isolate and
10 assess on a global basis. Knowing some of the key
11 factors that influence prescription drug abuse should
12 intuitively lead us to design survey instruments that
13 distinguish and measure these specific
14 characteristics.

15 Of all the national drug abuse surveys
16 conducted by the Federal government, none provides
17 enough specificity to measure these factors.
18 Ironically, field collection procedures often harvest
19 the data, only to have them discarded when they are
20 aggregated and assigned to broad categories or generic
21 chemical names for publication.

22 Let me give you an example of what I mean.

23 According to figures released by the Drug Abuse
24 Warning Network, our most important survey for
25 estimating drug abuse, in the year 2000 hydrocodone

1 was the nation's most frequently abused prescription
2 opioid. This information is surely useful, but
3 consider how much more useful it would be if we knew
4 the specific formulations of hydrocodone that were
5 most often abused.

6 This limitation in data becomes even more
7 critical in the case of C₂ opioids that are available
8 in injectable, solid doses, sustained release and/or
9 transdermal forms. Research shows that the form of an
10 opioid may be an important determinant of its overall
11 abuse potential.

12 As a former DEA official, I am familiar
13 with some forensic databases that do provide product
14 specificity for prescription drug abuse, and exhibits
15 that are submitted to laboratories for analysis.
16 These data provide very useful information but cannot
17 be used as a prognostic system or one that estimates
18 drug abuse in the general population.

19 I urge this Committee to support the
20 efforts of the Substance Abuse and Mental Health
21 Services Administration as it redesigns its survey
22 methodologies that I believe can be improved
23 significantly with some very reasonable and modest
24 adjustments. What I propose is almost something
25 unheard of in government, a no or low cost solution.

1 As for the potential economic consequences
2 for those products identified as most frequently
3 abused, I would offer that the interests of both the
4 public and industry will be best served by more, not
5 less, information. Indeed, it seems like an
6 imminently proper use of government regulatory
7 authority to encourage the development of abuse
8 resistant drugs and/or innovative delivery systems
9 that inhibit abuse. I believe that over time --

10 ACTING CHAIRMAN KATZ: Mr. Coleman --

11 MR. COLEMAN: -- providing product
12 specific abuse information will have immediate
13 benefits for the groups I have cited. Thank you very
14 much.

15 ACTING CHAIRMAN KATZ: Thank you. And
16 I'll point out for the group that Judy Ball from
17 SAMHSA will be addressing some of these issues later
18 on in her discussion. Next speaker, please. No next
19 speaker?

20 Why don't we do this then. Are there any
21 other speakers who are on the speaker's list for
22 yesterday who, for some reason, could not make it and
23 are available today? Okay.

24 Next then, we will go -- We have a very
25 short waiting list of other speakers who wanted to

1 share some comments with us. The ones that I am aware
2 of -- Is Myron Yaster here? Okay. Dennis Fisher?

3 DR. FISHER: Thank you, Dr. Katz. I'm
4 Dennis Fisher. I am a Vice President for Medical
5 Affairs of the Durect Corporation in California.
6 Until about two years ago, I was a professor of
7 anesthesia at the University of California, a
8 pediatric anesthesiologist and very involved in
9 pharmacokinetic and pharmacodynamic studies of opioids
10 and other anesthetic drugs.

11 The issue I would like to address regards
12 some comments that were made yesterday regarding the
13 conduct of studies in pediatric patients. The
14 Committee could readily have come away from the
15 meeting yesterday thinking that it's very easy to
16 conduct chronic studies in pediatric patients.

17 Dr. Katz, I think, tried to elicit some
18 comments about the difficulty of that, but
19 unfortunately the various members of the Committee, I
20 think, directed that it really was not difficult to
21 conduct those studies.

22 I'd like to cite an example that indicates
23 some of the difficulties of doing these chronic
24 studies. Recently, I spoke to the Medical Director of
25 a large pharmaceutical company that is presently

1 evaluating a pediatric formulation of their new
2 opioid.

3 This company had so far been able to
4 conduct studies in a little over 100 patients, but it
5 had taken 18 months to enroll these 100 patients, and
6 they had over 100 sites that they had used to enroll
7 these 100 patients. These 100 sites were in something
8 like 15 countries on four continents.

9 One can readily imagine the quality of
10 data from a study conducted with 50 different case
11 report forms in different languages, etcetera,
12 etcetera. I think the reality is that doing these
13 chronic studies, the true chronic studies, not the
14 acute perioperative studies, is very difficult.

15 I would be very concerned if the Committee
16 would leave here with the wrong impression of that. I
17 welcome comments from Dr. Robin and Dr. Schreiner
18 regarding this issue. Thank you very much.

19 ACTING CHAIRMAN KATZ: Thank you, Dr.
20 Fisher. I think that it would be fine to take one or
21 two minutes while we are on the subject, if anybody
22 from the Committee or invited guests wanted to respond
23 to Dr. Fisher or comment about whether it is easy or
24 difficult to do trials in pediatric populations. It
25 would be a good time to do that. Dr. Foley?

1 DR. FOLEY: I want to support what Dr.
2 Fisher said. This is exactly what we from the
3 National Cancer Policy Board heard repeatedly, at
4 least looking at chronic pain studies in children with
5 cancer.

6 ACTING CHAIRMAN KATZ: Did anybody else
7 want to comment about that? Dr. Schreiner, did you
8 want to talk about that?

9 DR. SCHREINER: I think if you are looking
10 at the true chronic pain population such as cancer, it
11 is going to be very difficult to do studies that go
12 beyond seven days. The majority of pediatric use for
13 opioids is for much shorter periods of time.

14 I think that the other thing is, if the
15 studies can be focused on the information that we
16 really need to know and eliminate the unnecessary
17 parts of the studies that create barriers for
18 patients' willingness to participate, then it would be
19 easier to do the trials.

20 I personally as a pediatrician want as
21 much information as possible, but I want it to be
22 focused on the information that we need to use the
23 drugs.

24 ACTING CHAIRMAN KATZ: Thank you all for
25 your comments on that important issue. Now is there

1 anybody else here who did not pre-register to speak in
2 the open forum who would like to come up to the podium
3 and have three minutes to share comments? I can't
4 guaranty that everybody will get time, but we can
5 certainly start. Yes, please, name, disclosures and
6 your thoughts.

7 MS. STEFFLER: Good morning. Thank you.
8 My name is Dorothy Steffler. I have nothing to
9 disclose. I am here in twofold purpose. I am the
10 mother of the young gentleman aged 42 who went through
11 the crisis.

12 Everyone is talking about the euphoria
13 that comes with use of Oxycontin or opioids. The
14 euphoria that he displays is the new life that he now
15 has, and it's more of a happiness and a socialization
16 return rather than the deep depression and antisocial
17 life that he had. So that could be misleading, that
18 term.

19 I am also here because I am a state
20 inspector for the Department of Health in the state of
21 Pennsylvania. I have been there for 11 years. I've
22 been in health care since 1951.

23 I am one of the persons who, on a daily
24 basis, visits the nursing care facilities with the
25 elderly, and I have seen hands on the difference since

1 pain management has been addressed by the HCFA, now
2 CMS.

3 It is my responsibility in my position to
4 write deficiencies for physicians who have not managed
5 pain. We see -- I have seen in this year since HCFA
6 has addressed it as the fifth vital sign -- and I do a
7 lot of this in-servicing, too, not only the nursing
8 staff and the professionals but the housekeepers and
9 the nurse aides who are there to see the nonverbal
10 pain behaviors that are exhibited.

11 We see a decline in dietary, in their
12 weights, sudden, unexpected, and physicians usually
13 immediately go to Megase or supplements. No one asks
14 them if they are hurting, and we have been on this
15 promotion.

16 So I am twofold in the use of opioid
17 therapy. I have seen it. They are giving Darvoset
18 n100, Tylenol 325 times two, 650, q4. I can read it
19 in every single record that I audit, but I have seen
20 the difference in this year of the rise in the
21 activities of daily living when in the plan of care we
22 are addressing pain management for the elderly and the
23 nonverbal we have taught -- are in the process of
24 teaching. However, it's the physicians that we need
25 to reinvent the wheel, because they are fearful of

1 writing anything.

2 As the physician before had mentioned, it
3 is in the MDS. We scrutinize the MDS. That's the
4 pain -- or the money, financial part, and we have
5 residents who have nonverbal pain, and it is less than
6 daily or excruciating, mild to moderate. But we have
7 strictly one medication. That is Tylenol, again 325.
8 They are fearful.

9 I do see the difference when they do
10 order. Some of them are doing Duragesic patches. I
11 do Oxycontin, not only for hospice but the other one.
12 Thank you so much.

13 ACTING CHAIRMAN KATZ: Thank you. Is
14 there anybody else from the public who would like to
15 have three minutes to share thoughts with us about
16 these issues?

17 DR. MERRICK: Mr. Chairman, Dr. Merrick
18 from yesterday, if you would allow me to speak again.
19 I just have -- I want to echo a few comments from
20 some eloquent speakers this morning.

21 One of the factors a family physician -- I
22 have no disclosures, self-funded. As a family
23 physician, one of the greatest barriers I've seen to
24 the treatment of chronic pain in the poor in my area
25 of rural Virginia is going to be access to how to pay

1 for all the ancillary services and complementary
2 services that you can give patients in treatment of
3 chronic pain. They are simply not available. Opioids
4 are the keystone for treating rural poor as far as
5 chronic pain.

6 The second issue, to address the gentleman
7 from the pharmaceutical industry, from the pharmacist
8 industry rather: One of the key obstacles that I have
9 as a family doctor treating chronic pain now is the
10 fact that pharmacists in my area will not fill my
11 prescriptions because even I have communicated with
12 them before as far as the patient is legitimate. They
13 have gotten a copy of the patient-doctor contract.
14 I've done everything I can possibly do to contact the
15 pharmacist.

16 One of the problems I see is the
17 pharmacists of this country have not been brought
18 along with all of the physicians in the education with
19 chronic pain, and I think that that is a major issue
20 that we are going to have to address if we are going
21 to really have a comprehensive national approach to
22 chronic pain, is bringing the pharmacists with us.
23 Thank you.

24 The last comment was basically, in
25 yesterday's discussion I noticed that function was

1 left out as a major keystone to see the effectiveness
2 of opioid treatment. That, to me, is one of the major
3 issues, is function is the key to whether or not
4 successful therapy is being administered. Thank you.

5 ACTING CHAIRMAN KATZ: Thank you, Dr.
6 Merrick, and we'll hear more about that from Dr.
7 Passik today as well.

8 What I'd like to do now, since we still
9 have a few extra minutes, is if there were any of the
10 public speakers from today whom I had to rudely cut
11 off at three minutes, if you would like an extra three
12 minutes -- but I would just ask you to bear in mind
13 what's already been said and, if you've got something
14 new to add to the conversation, we would look forward
15 to hearing it. So three minutes each, please.

16 DR. CORK: Well, thank you very much.

17 ACTING CHAIRMAN KATZ: You're welcome.

18 DR. CORK: Again, I'm Dr. Randall Cork
19 from Louisiana State University.

20 There were some issues regarding the
21 specific questions that I know the FDA wants answered
22 that I wanted to take an opportunity to respond to
23 those, the two questions from yesterday, the target
24 population and the second question about clinical
25 trials.

1 In terms of target population, I really
2 think that it's important to have a multi-level
3 target. I think that the FDA should be concerned that
4 -- We know about opioids. They have been around for
5 so many thousands of years. There is really no reason
6 to focus on efficacy so much with opioids. You need
7 to focus on safety with opioids, and I think Dr.
8 Portenoy's three points on safety should be adhered to
9 in terms of FDA plans for certification of new drugs.

10 In terms of clinical trials, the issue of
11 chronic efficacy, I think if you dwell on that, it
12 will only serve to delay the introduction of new drugs
13 into the system and will increase the cost of those
14 drugs.

15 So in terms of today's questions, the
16 adequacy of available data in terms of the prevalence
17 of addiction, I believe the FDA can help with that by
18 indicating on the package insert, as Dr. Portenoy
19 recommended, the risk of addiction for the drugs. I
20 think physicians need to be educated that short acting
21 narcotics have a higher risk of addiction than longer
22 acting narcotics such as Oxycontin.

23 The methods for assessment and monitoring
24 of addiction, I think, are a good idea. Those things
25 should be introduced into the protocols and addressed

1 in the package insert.

2 In terms of reduction of addiction or the
3 risk of addiction, I really believe that that is more
4 of a police issue rather than an FDA issue. I think
5 that rehabilitation, forced rehabilitation has been
6 shown to be effective in terms of reduction of
7 addiction.

8 In terms of another comment that was made
9 yesterday from Dr. Zedd or Zetma from Virginia -- I
10 forget what -- it had to do with criticizing the drug
11 company for providing education to physicians. I
12 think that was misplaced. I think Purdue
13 Pharmaceuticals should be commended. They have
14 provided us with a lot of educational materials to
15 involve the Family Practice Department and to provide
16 education to our medical students about treatment of
17 chronic pain.

18 Thank you very much for this additional
19 three minutes.

20 ACTING CHAIRMAN KATZ: Thank you. May we
21 have the next speaker, please? Mr. Coleman.

22 MR. COLEMAN: Thank you very much, Doctor,
23 for this opportunity to resume.

24 As I was talking about the specificity of
25 the data that I believe is seriously needed, I would

1 like to add that, in my view, we will not be very
2 effective in addressing prescription drug abuse until
3 we can identify with a reasonable degree of
4 specificity the frequency of drugs by product names
5 and formulations that are being abused.

6 Presently, we do not have this information
7 available in the field of drug abuse research,
8 although something similar does exist in another very
9 similar or somewhat related field. For example, the
10 FDA is justifiably proud of its adverse event
11 reporting system that is used to collect and
12 disseminate post-marketing drug and therapeutic
13 biological product safety reports.

14 In addition to other pertinent
15 information, the AERS data format requests that the
16 contributors enter a, quote, "valid trade name" for
17 the product being reported. I am sure that every
18 member on this Committee is familiar with the value of
19 the AERS.

20 Now I ask you, how valuable would that
21 information be for you or your patients if the, quote,
22 "valid trade name" were dropped somewhere in the
23 process and replaced by simply a generic chemical
24 name?

25 I hope this helps you to understand my

1 concerns about the need for better drug abuse data.
2 by not providing what the AERS refers to as valid
3 trade name for the most frequently abused drugs,
4 usefulness of surveys is limited. As a result,
5 anecdotal information often takes over and, as someone
6 on the Committee yesterday wisely pointed out,
7 anecdotal information may regrettably become the basis
8 at times for public policy.

9 Thank you very much. That's the
10 conclusion of my statement.

11 ACTING CHAIRMAN KATZ: Thank you, Mr.
12 Coleman. Next, please.

13 DR. DESJARDINS: Thank you, Dr. Katz. I'm
14 Dr. Paul Desjardins, Senior Vice President for
15 Clinical Site Operations for a research organization
16 named SCIREX Corporation. I am also a member of the
17 American Society of Clinical Pharmacology and
18 Therapeutics and I am speaking on behalf of the
19 investigators and individuals who are actually trying
20 to perform the clinical research to develop better
21 drugs and better strategy for dealing with patients
22 who have both acute and chronic pain.

23 I would like to suggest to the Advisory
24 Board and to our colleagues from the Food and Drug
25 Administration that we are in a very similar position

1 to those of us who were investigators 30 years ago who
2 were facing many of the same questions in terms of how
3 best to deal with patients with moderate and severe
4 acute pain.

5 The analgesic guidelines which were
6 developed by the scientific community with the
7 concurrence of the Food and Drug Administration and
8 sponsors was an enormously successful project. The
9 current guidelines which exist deal in explicit detail
10 for drugs with acute pain, but deal very superficially
11 on drug development issues for patients with chronic
12 pain, and in particular developing the standards for
13 what will be considered appropriate and well
14 controlled clinical trials.

15 I would strongly urge that the Advisory
16 Committee work with and advise the Food and Drug
17 Administration to continue that process, to update
18 either those guidelines or develop separate guidelines
19 which will address the scientific issue to the
20 satisfaction of the clinicians, the scientists and the
21 regulators who have to make very difficult decisions.

22 Thank you.

23 ACTING CHAIRMAN KATZ: Thank you. Did
24 anybody want to address the issue of whether there are
25 any plans in place for reexamining the analgesic

1 guidelines or shall we leave those discussions for
2 later?

3 DR. RAPPAPORT: I just want to clarify
4 that at this time the guidelines that are out there
5 are outdated, as far as we are concerned, and we are
6 in the process of developing new guidelines. I can't
7 give you an exact time course for when those will be
8 ready, but we are working toward those coming out as
9 soon as possible, and we are working with the other
10 analgesic division to see that they are consistent
11 across the agency.

12 ACTING CHAIRMAN KATZ: Thank you, Dr.
13 Rappaport. Next speaker, please.

14 MS. BALUSS: Thank you.

15 ACTING CHAIRMAN KATZ: We will have time
16 for one more after this.

17 MS. BALUSS: It's unusual for a lawyer to
18 be talking about facts, but I do have to prove them.

19 I wanted to talk with you about how little
20 we know that is very relevant to some of the law
21 enforcement and diversion questions that come up.

22 We don't really know who the chronic pain
23 patients are or where they are or what has failed them
24 and what has worked. We don't know a whole lot about
25 long term outcomes for them.

1 Where that becomes important to me is that
2 I see someone testifying that a doctor has acted
3 improperly because he has continued to prescribe
4 opioids for someone whose function may or may not have
5 improved enough. Well, what's enough, and how long
6 should someone -- Is there a temporal limit on opioid
7 therapy?

8 I don't think we know this, and it works
9 as a severe detriment, because some of these little
10 markers get translated into kind of unstructured
11 evidence where it really isn't evidence.

12 I think that we need to know a whole lot
13 more about outcomes. We have no idea -- We are
14 requiring doctors and penalizing doctors for not
15 having a good command and control system, but we don't
16 know whether the patient contracts affect the
17 diversion rate at all, and there are a lot of other
18 things we don't know about that kind of medicine.
19 Thank you.

20 ACTING CHAIRMAN KATZ: Thank you. Next,
21 please.

22 DR. BUEDE: My name is Dennis Buede again.
23 I want to address one issue I hadn't quite gotten to.
24 That has just been raised by the last two speakers,
25 our intrinsic failure as humans to think that we know

1 a lot more than we do.

2 Oh, I see this in engineering, and I have
3 also seen it in visiting many doctors that we've gone
4 to over the years. My wife and I were talking to a
5 prospective primary care physician just a few weeks
6 ago, and he was telling my wife that he really does
7 not prefer to treat the pain. He prefers to treat the
8 underlying cause.

9 Yet in most cases today, as many of you
10 know, the doctor has no hope of finding an underlying
11 cause. There has been some recent research. It may
12 or may not prove to be true, but it indicates that by
13 treating the pain, the patient has a much better
14 chance of recovering from whatever is ailing them if
15 you are also able to treat the other aspects.

16 So while we are stuck in this situation,
17 and I probably think that we probably know less than
18 half of what there is to know about medicine and
19 taking care of people, we still have to make decisions
20 with the best information that we have and recognize
21 this amount of uncertainty. Thank you.

22 ACTING CHAIRMAN KATZ: Thank you. Dr.
23 Max, one comment.

24 DR. MAX: Yes. I just want to comment in
25 regard to Paul Desjardins' call for more academic FDA

1 consultation. Ray Dionne at the National Institute of
2 Dental Research and Jim Witter of the Anti-
3 Inflammatory Allergies Division of CDER are holding a
4 symposium on the NIH campus on some issues in acute
5 and chronic pain drug development on March 13th and
6 14th, and they want -- It's an open meeting, and you
7 can contact either of them for an agenda.

8 It seems like it's still open for shaping.
9 That's all I know about it.

10 ACTING CHAIRMAN KATZ: Thank you. That
11 will be the end of our open public hearing for today.

12 Thank you very much, everyone, for coming, in
13 particular the patients and their families for taking
14 the trouble to come visit us today.

15 What I would like to do now -- We do have
16 an industry presentation that we have scheduled for
17 9:30. What I would like to do in the five or so
18 minutes before we start that is to make a few
19 introductory comments of my own for today's session,
20 and then also to attempt to summarize for the folks
21 who were not here yesterday what seemed to me to be
22 the salient themes in our conversation from yesterday
23 that, hopefully, will inform our discussion today.

24 Of course, it's always a risky business to
25 summarize everything, because nobody ever really

1 agrees on what exactly it was they heard, but I'll do
2 my best. If I get anything completely backwards,
3 then, hopefully, somebody will raise their hand and
4 briefly point that out, without necessarily reopening
5 the discussion in just the few minutes that we have
6 before our scheduled presentation.

7 Let me begin by thanking the rest of the
8 Committee and invited guests for what I think was a
9 very productive and professional discussion yesterday.

10 This is a very difficult topic, the issue of opioids,
11 and people tend to get very dogmatic and excited
12 about it, and I think that our discussion yesterday
13 was very fruitful.

14 Today we have even greater challenges, I
15 think, in our discussion. I don't know that there is
16 any medical issue that I deal with that gets people as
17 excited or dogmatic as the issue of addiction and
18 opioids, and it's been that way for a long time.

19 Medical professionals are coming at this from
20 very much different angles. Historically, there's
21 been fairly little communication among different
22 subspecialties of medicine in terms of how one can
23 understand these problems.

24 There are different languages that we use
25 to describe the same phenomena, and we will often have

1 difficulties in communication, not necessarily because
2 of disagreement about underlying principles, but
3 because we are using different words for the same
4 thing. That will be a challenge for us today.

5 So I look forward to the -- What I want to
6 do is reiterate what I said yesterday in my
7 introductory comments, which is that the goal of
8 today's meeting is not necessarily to solve the
9 problem of addiction and opioids, which we certainly
10 aren't going to be able to do.

11 It's not even to come to consensus on all
12 these issues, which also, I think, is unrealistic,
13 I've heard today. We will definitely end up
14 disagreeing on some of these issues, but what I hope
15 that we can do for the FDA today is to at least lay
16 the issues on the table, help to define what the
17 problems are that we are dealing with, present all the
18 relevant points of view, even though they may be
19 opposing, and try to understand them, and discuss what
20 the implications are of those perspectives for
21 development and marketing of opioid analgesics.

22 I think, if we can do that, that will be a
23 tremendous accomplishment. I would ask the members of
24 the Committee today, when they do make their comments,
25 to try to move forward from what have been the

1 historical problems of the past in communicating about
2 these issues.

3 One problem has been that we all have
4 biases because we tend to see very select populations
5 and then come to conclusions about what is true about
6 the whole world. So as you do make your comments
7 about what you think is true, please bear in mind
8 whether your convictions may result from seeing
9 selected populations, and present your views to the
10 Committee with that in mind.

11 Secondly, as you present your convictions
12 and thoughts to the group, I would ask you to try to
13 also communicate what you feel the level of evidence
14 is for your assertions.

15 Is it an anecdote or a collection of
16 anecdotes? We heard yesterday what that amounts to.
17 Is it research? What kind of research is it? Is it
18 randomized controlled trials? Is it long term follow-
19 up? That way we will be able to evaluate your
20 comments more thoughtfully in terms of what the
21 strength is underlying them.

22 So that's my charge for the group for this
23 morning.

24 To quickly try to summarize some of the
25 salient themes that I heard discussed yesterday which

1 will, hopefully, provide a platform for our discussion
2 today before we begin our industry presentation, this
3 is what I heard yesterday. Again, if I get anything
4 completely wrong, without necessarily opening up the
5 discussion right this second, I hope somebody corrects
6 me.

7 Number one, it seems like we all agree or
8 we certainly heard many times that opioids are
9 essential for relieving pain. There has been a great
10 -- That's point number one.

11 There has been a great deal of progress
12 made over the last few decades by increasing the
13 availability of opioids to physicians who need to
14 prescribe them appropriately, and a great deal of
15 progress made with demonstrations in the literature of
16 safety and efficacy of opioids for both acute and
17 chronic pain.

18 My point number three is that any
19 restrictions on the availability of opioids to
20 patients or prescribers have substantial potential
21 risks of harming patients and reversing some of the
22 progress that's been made. So there clearly is risk
23 involved in any restrictions.

24 Therefore, the theme that I heard was that
25 it's important that we all take a balanced approach in

1 our recommendations about opioids where we
2 simultaneously try to balance maximal availability to
3 patients that need them, at the same time trying to
4 stem the problems of addiction, diversion and related
5 processes without trying to impede patient access. I
6 heard that many times yesterday.

7 I also heard that taking care of patients
8 with chronic pain, including the prescription of
9 opioids, is appropriately within the province of the
10 primary care physician, although there may be a need
11 for education and further efforts to optimize therapy
12 in that setting and any other setting. I heard that
13 expressed many times, and the specific issue of the
14 need for more education I heard expressed many times
15 as well.

16 I also heard expressed that broad labeling
17 for mu agonist opioids is in general something that
18 should be strived for, and that we heard clearly from
19 Jeff Bloomer, patient representative, that broad
20 labeling is better for patients, and we heard from Dr.
21 McLeskey that that is also more attractive to
22 industry.

23 We heard a number of times, most
24 especially from Dr. Foley, that in terms of the
25 patient populations that are potentially appropriate

1 for opioid analgesics, we don't have enough data to
2 exclude a priori any patient population for
3 consideration of opioids for long term therapy.
4 There's just not enough data at this point in time.
5 More data is needed.

6 Therefore, we shouldn't a priori exclude
7 any patients from consideration for both clinical
8 treatment and clinical trials. However, we also heard
9 that different subpopulations may have rather
10 different considerations in terms of understanding the
11 risk/benefit ratio.

12 For example, patients with a history of
13 substance abuse, elderly as we heard today, pediatrics
14 -- there may be a number of subpopulations where we
15 need more specific information to really understand
16 the risk/benefit analysis. That's what I heard
17 yesterday.

18 I heard that, quote/unquote, "traditional"
19 efficacy programs may be sufficient to define a drug
20 as an opioid analgesic and that that may be sufficient
21 to work toward this broad labeling, and it seemed to
22 me that I heard that one did not need to demonstrate
23 efficacy in every last type of pain in order to
24 understand that an analgesic was behaving like an
25 opioid analgesic.

1 I also heard that there was, however,
2 other very important types of information that was
3 critical to the understanding of the risk/benefit
4 ratio of opioids, particularly for chronic pain. In
5 particular, we need to understand safety issues to
6 understand the risk/benefit ratio of opioids, and
7 safety includes the risk of addiction.

8 It includes neuropsychological side
9 effects. It may include, as some folks mentioned,
10 potential endocrine side effects. These are important
11 issues in terms of understanding the risk/benefit
12 ratio of opioids.

13 We need to understand the durability of
14 response, and perhaps we will get a chance to talk
15 more about tolerance today. Dr. Portenoy addressed
16 that a bit yesterday. Again, we need to understand
17 risk/benefit for certain specific subpopulations.

18 We heard some creative discussions
19 yesterday about how some of these studies might be
20 done. Since some of these issues are not necessarily
21 product specific but are germane to the whole class of
22 opioid analgesics, there was some discussion about
23 whether there could be collaboration between industry
24 and NIH to study these risk/benefit issues across the
25 class of opioids.

1 There was discussion about whether there
2 could be a possibility of acquiring some of these
3 studies as part of a Phase IV program, and also I
4 heard discussion about whether these would be more
5 appropriately part of a traditional Phase III program,
6 and we certainly didn't resolve the issue yesterday
7 about how these studies are most appropriately
8 conducted.

9 So that's what I heard yesterday. For
10 now, right before a presentation, if anybody thinks
11 that I got something completely wrong or neglected to
12 say something that was absolutely critical from
13 yesterday on these points, please point it out now.
14 There will certainly be ample time later to delve into
15 the details of everything that I've said now,
16 including the topic for today, which is addiction.

17 Dr. Roberts, please.

18 DR. ROBERTS: The only thing I would add,
19 Dr. Katz -- that was an excellent summary. You were
20 awake the whole day. The only thing I might add is
21 that we discussed at several junctures the value of
22 going to the practice setting to do the kinds of
23 research that needs to be done, because it's really
24 where the rubber hits the road, and the issues of
25 diversion contrasted against effectiveness, safety --

1 I mean, that's really where you're going to see what's
2 happening out there.

3 ACTING CHAIRMAN KATZ: Thanks. Dr.
4 Haddox, then why don't we -- Thank you very much -- go
5 to your presentation then, and perhaps, Dr. Haddox,
6 you could give a more complete introduction to
7 yourself before you begin the presentation.

8 DR. HADDOX: Thank you very much. I
9 appreciate the opportunity to be here to address the
10 Committee. I thank the PhRMA and thank the FDA for
11 giving me this opportunity.

12 By way of disclosure, I am a relative
13 newbie to the industry, and in the past five years I
14 have either consulted for or spoken on behalf of
15 Astra, Merck, Pfizer, Janssen, Purdue, Ortho-McNeil
16 Pharmaceuticals, Roxanne, and I had some research
17 funded at Emory by Wyeth-Ayerst.

18 For those of you who don't know me, I
19 started out life as a dentist. I then went to medical
20 school, and I did a residency in anesthesiology and
21 psychiatry following that. Following the dual
22 residency, I then went into a pain medicine
23 fellowship.

24 I am certified in pain medicine, in
25 psychiatry. I have a subspecialty certification in

1 addiction psychiatry pain management, and I was a
2 practicing clinician/educator up until two years ago
3 when I joined Purdue Pharma.

4 I am the past President of the American
5 Academy of Pain Medicine, the American Board of Pain
6 Medicine, and a former Director of the American Pain
7 society.

8 If we can get the slides going today, what
9 I would like to do is share with you an industry
10 perspective on how we can ensure the proper use and
11 curb abuse of opioids.

12 One of my main functions, I forgot to
13 admit, is to make sure that Dr. Portenoy is not alone
14 as the only graybeard in the field of pain.

15 I would like to talk with you briefly
16 about the disease burden of pain. I know there's been
17 a lot of comments about that, but I'd like to report
18 some data. I want to talk briefly, recap the
19 treatment of chronic pain in particular, since that is
20 an issue that's come up quite a bit.

21 I would like to talk and share with you
22 what we have learned about -- in the past two years
23 about prescription drug abuse, and I'm sure it's no
24 surprise to the Committee that we've learned a lot
25 about this in the past two years.

1 I would like to close with an analysis of
2 risk management plans and where the industry sits on
3 this and where we should sit on this.

4 When we talk about the disease burden from
5 chronic pain, we are somewhat hampered, because we
6 don't have overall national statistics. The Centers
7 for Disease Control and Prevention, for instance, does
8 not assay chronic pain in its annual disease and
9 health survey.

10 So we really don't know from a full
11 demographic study what is going on, but there are
12 three surveys that I would like to highlight for you.

13 Now these surveys are done by reputable survey
14 organizations, typical polling organizations with
15 demographically representative studies that can be
16 extrapolated to represent the entire United States,
17 and they span five years.

18 The first occurred in the state of
19 Michigan. The second was about midway between, and
20 the last was one that we paid for and had done
21 actually just a few days ago in preparation for this
22 presentation.

23 In 1997 a survey was done in the state of
24 Michigan called "The State of Pain," and it showed
25 that 1.2 potentially out of their 9.8 or about 12

1 percent of their population had a pain problem that
2 had lasted for more than six months, either
3 continually or intermittently.

4 Seventy-seven percent of the sample had
5 experienced pain for over a year. Thirty-five percent
6 had missed more than 20 days of work, a tremendous
7 economic and social burden to the society and to the
8 individual and family.

9 In a heavily managed care penetration
10 state, 13 percent had been denied medications, devices
11 or referral to a specialist. Now this can be
12 extremely demoralizing for a patient with chronic
13 pain. The types of patients that I saw in my clinical
14 academic practice often had to go through enormous
15 hoops to even get into the door.

16 This can be so demoralizing that, in fact,
17 ten percent of the survey had contemplated the idea of
18 suicide as a way of relieving their pain.

19 I have personal experience with this in a
20 patient that I'd like to share with you. I was
21 treating a woman who, fortunately, with our integrated
22 treatment plan at Emory had done very, very well. She
23 was very pleased with our care and, while she was not
24 perfect, she was much better. She was sleeping
25 better. Her quality of life had returned and, most

1 importantly, she was able to enjoy things again.

2 She was doing very well. I was seeing her
3 about every month, along with our psychologist and a
4 physical therapist. She came in one day, and she was
5 very distraught. I, treating chronic pain, know that
6 we have flare-ups and things go, but I asked her what
7 was going on.

8 She immediately broke down into tears, and
9 she told me that her 26-year-old daughter who was a
10 worker's compensation patient, who had chronic low
11 back pain from a work related injury, and she had --
12 because the mother had come to a pain center and had
13 found out that there were, in fact, pain physicians
14 and multi-disciplinary teams, and her quality of life
15 had improved so much, she was entreating her daughter
16 to get the primary assigned doctor at worker's comp to
17 refer her to a pain program, mine or someone else's.

18 The daughter had a lot of hope for this,
19 and she pursued this actively with her adjuster, and
20 what they did was denied it, and they sent her to yet
21 another type of specialist.

22 This person diagnosed depression, not
23 terribly surprising, given the fact that this woman's
24 life was coming undone, prescribed an antidepressant,
25 and after a few weeks she took her own life, 26-years-

1 old, low back pain, noncancer pain. Took her own
2 life, and she left in her suicide note to her mother
3 that all hope had been dashed when her referral was
4 denied, because she had seen how well her mother had
5 done, and she was hoping she would be in that
6 category.

7 I submit to you that this is an absolute
8 travesty in a country that has the best available
9 health care system, ostensibly, in the world.

10 In 1999 the American Academy of Pain
11 Medicine and the American Pain Society did a survey
12 funded by Janssen looking at moderate to severe,
13 chronic, noncancer pain.

14 The extrapolated figure was again about
15 ten percent of U.S. adults, but this is a slightly
16 smaller scale, because we are not looking at any
17 chronic pain. We are looking at moderate to severe,
18 and you had to have a five or above on a numerical
19 rating scale to actually get into the survey.

20 I have the seven and the eight through ten
21 highlighted as 57 percent of people that had severe
22 pain in this survey. Fifty-one percent, consistent
23 with the things we heard yesterday, are in fact seeing
24 a primary care physician. Another chunk were seeing
25 some other specialist, and a very small percentage

1 were seeing a pain specialist.

2 Two-thirds of the sample had lived with
3 pain for more than five years. Seventy-eight percent
4 reported daily pain, and ten percent reported turning
5 to alcohol as an analgesic, which we all know is a
6 very dangerous pastime.

7 I was interested in how the public felt
8 about treatment with opioids in preparation for this
9 presentation. So we contracted with Harris
10 Interactive and surveyed 1439 patients who had chronic
11 pain and who had been taking an opioid for at least
12 four months.

13 Most commonly reported: Arthritis, low
14 back pain, migraine, cancer, not terribly surprising,
15 and some patients reported more than one pain causing
16 condition.

17 The analgesics spread: About what you
18 would expect. 638 were taking Schedule II opioids.
19 Schedule III through V were 1125, NSAIDs about the
20 same, and acetaminophen about 800, and many were
21 taking more than one. In fact, the average, if you
22 look at chemicals, it was about three to four
23 chemicals per person, including combination
24 analgesics.

25 The numerical pain rating estimates on a

1 one to ten scale: You can see here that 22 percent
2 were in the severe range. Now remember, these are
3 people taking opioids. That's how you would get
4 qualified for the study -- or for the survey.

5 We asked if pain was controlled. Twenty
6 percent said no, not surprisingly. In those whose
7 pain was well controlled, 39 percent had had to go to
8 more than three physicians and pursue care for more
9 than six months to get some kind of care that resulted
10 in decent pain control, and in the ones whose pain was
11 not controlled, 65 percent, two-thirds, had seen more
12 than three physicians, had been trying for -- Almost
13 all had been trying for more than nine months, and
14 still their pain was not well controlled.

15 We asked some statements: Do you agree or
16 disagree with the following statement? Patients do
17 not have trouble obtaining needed pain medications.
18 Fifty-four percent of the sample disagreed. These are
19 people taking pain medications.

20 We asked: I have not experienced any
21 problems getting treatment for my pain. Thirty-five
22 percent disagreed.

23 As you've heard yesterday and today, a
24 significant barrier to treatment is the fear of
25 addiction, and in clinical practice, and many

1 clinicians here on the panel know this quite well,
2 there is a great deal of confusion between the entity
3 physical dependence, which most of us recognize as a
4 known effect of certain classes of medications, and
5 addiction, which is a disease.

6 So we asked this case. We said, imagine
7 that a patient was taking a pain medication for six
8 months and suddenly stopped taking it. As a result of
9 not taking the medication, they experienced nausea,
10 sweats, had difficulty sleeping, and felt tense and
11 jittery. Based on this information, can you
12 conclusively state that the patient is addicted,
13 physically dependent, both, neither, or not sure?

14 Now people on this panel know that the
15 correct answer, based on this limited case
16 information, is (b). That's the only thing that you
17 can conclusively state. There might be other things,
18 but that's what you can state based on what was
19 presented.

20 When we looked at how the patients did, 37
21 percent, little over a third, got it right.
22 Unfortunately, 16 percent said this was addiction.
23 Thirty-five percent said it was both. Two percent
24 said neither, and ten percent were not sure. So a
25 little over 50 percent of the patients are confusing

1 this on a regular basis.

2 When we asked the question a slightly
3 different way: If you are taking a pain medication
4 and you stop it and you have withdrawal, does that
5 mean you are addicted? -- 53 percent said yes.

6 The Liaison Committee on Pain and
7 Addiction composed of the American Academy of Pain
8 Medicine, the American Pain Society, and the American
9 Society for Addiction Medicine got together, and it
10 promulgated definitions that they hope will become
11 standard that will span all specialties, not just
12 addiction or not just pain.

13 They stated that addiction is a primary
14 chronic neurobiologic disease. It is a disease with
15 genetic, psychosocial, and environmental factors
16 influencing its development and manifestations, and it
17 is characterized, as Dr. Portenoy said yesterday, by
18 behaviors that include one or more of the following:
19 impaired control over drug use; compulsive use;
20 continued use despite harm; and craving.

21 Contrast this with physical dependence,
22 which is a state of adaptation that is manifested by a
23 drug class specific withdrawal syndrome that can be
24 produced by abrupt cessation, rapid dose reduction,
25 decreasing blood level of the drug, and/or the

1 administration of an antagonist or a neutralizing or
2 reversal drug.

3 Physical dependence is a known effect of
4 certain drugs, including opioids. Addiction is a
5 disease that sometimes involves opioids and sometimes
6 involves other substances.

7 So as we go to treat chronic pain, we must
8 integrate therapies. I found this very interesting,
9 because this is very similar to what Dr. Portenoy
10 showed you yesterday, and yet we developed these quite
11 independently, I assure you.

12 Physical therapy can certainly have many
13 things to offer people with chronic pain. Therapy for
14 the comorbidities, the sleep disturbance, the anxiety
15 disorders, etcetera. The cognitive therapies have
16 been shown to be extremely useful, particularly in
17 helping people cope with pain as severe as rheumatoid
18 arthritis. Behavioral therapies are a mainstay of
19 many programs, involving the lifestyle changes you've
20 heard mentioned several times yesterday.

21 The interventions, the things that I did
22 as an anesthesiologist, spinal cord stimulators,
23 pumps, nerve blocks, have a role in helping certain
24 patients. Surgery may be of use in some other
25 patients.

1 The spectrum of rehabilitation services
2 ranging from orthotics and splints and specific
3 occupational therapy all the way to comprehensive
4 rehabilitation programs such as run at many -- like
5 that are run at many universities.

6 Of course, pharmacotherapy is going to be
7 a part of this. What the physician does is to take
8 each individual patient sitting before them and
9 integrate a plan of care, drawing from each of these
10 various spokes on the wheel to optimize the function
11 and comfort of that individual patient.

12 When you talk about pharmacotherapy, of
13 course, you are going to talk about prescription
14 medicine. In this discussion that we've been having
15 yesterday and will continue to have today, it's
16 important to emphasize there are two distinct
17 populations at the very least that we are discussing,
18 patients with legitimate need who are appropriately
19 using these very valuable medications and
20 inappropriate use, the abusers, the diverters, the
21 people suffering with addiction.

22 Prescription drug abuse is a longstanding,
23 serious problem in this country. It predates the
24 Food, Drug and Cosmetic Act. This is not new. I
25 think what is new, and quite frankly I'm very happy

1 that it's new, is the heightened awareness of the
2 problem.

3 Clearly, that has happened, and Purdue
4 takes this very seriously, and we are devoting
5 enormous energy to reduce the inappropriate use of
6 these medications. But what is the real scope?

7 As you've heard today from Mr. Coleman and
8 others yesterday, and you will hear more today, there
9 are issues with our national data sources. The
10 surveys that are commonly used to show trend
11 information about abuse were not designed to assess
12 abuse of prescription medications and, therefore, they
13 have some areas that could be improved.

14 In fact, this was pointed out at a NIDA
15 press conference in April of last year, that
16 prescription drug abuse is a largely unrecognized
17 problem in this country and is a significant component
18 of the overall drug abuse picture and, unfortunately,
19 not much has happened since that press conference in
20 heightening the understanding.

21 Now we've learned a lot about diversion in
22 the past few years. We are very actively engaged with
23 law enforcement as well as regulators and clinicians.

24 Doctor shoppers are clearly one source of diverted
25 drug. These may be organized rings.

1 I've actually heard of people conducting
2 classes in how to dupe doctors, how to forge medical
3 records, how to feign signs, or how to feign symptoms
4 and create signs to lead a doctor down the wrong path,
5 or it might be the sole proprietor, the individuals
6 who are doing it for money or to support an abuse
7 interest, or both.

8 Prescription fraud comes in many
9 varieties: Altered prescriptions, simply changing the
10 number or the information; forged prescriptions,
11 stealing prescription pads from the doctor's office;
12 or counterfeiting, just manufacturing prescription
13 pads, fairly simple to do these days with scanners.
14 Theft from patients and from pharmacists, and then
15 prescribers.

16 The AMA has described the classic four
17 D's: The outdated physician; the duped physician; the
18 dishonest, criminal physician; and the physician who
19 he or she himself is impaired and is engaged in
20 prescription drug diversion to support their own
21 habit.

22 The public health ramifications of this
23 are substantial. There is the problem of
24 experimentation in naive persons, and by naive I mean
25 in both contexts here, people who are opioid naive.

1 That is, they have had little exposure to opioids and,
2 therefore, have not induced respiratory depression
3 tolerance; or the naive person who is taking something
4 they know nothing about.

5 There is a new wave sweeping the country
6 where people put a bunch of pills, prescription pills,
7 in a candy dish and pass them around, and you take one
8 or two or a handful at a party. This is called
9 pharming, p-h-a-r-m-i-n-g. It's a very distressing
10 trend, and as a parent of two young daughters, that
11 just scares me to death.

12 Then we have found, as has the DEA in
13 their autopsy studies have found, that quite
14 frequently prescription drug abuse is not abusing a
15 single drug. It is abusing multiple drugs in
16 combination, often with alcohol, a very deadly
17 cocktail.

18 There are the problems of substance abuse
19 which you've heard about and will hear more about
20 today, the cost to society, the cost to the
21 individuals and, most importantly, the cost to
22 patients, how this is impacting access and appropriate
23 care.

24 If we look then at an integrated approach
25 to ensuring proper use and curbing abuse, as some of

1 the questions the FDA has posed to you today,
2 certainly statutes and regulation have a role here.

3 The Controlled Substances Act is designed
4 to ensure an adequate supply for legitimate medical
5 and scientific needs of controlled substances, while
6 at the same time preventing diversion.

7 Regulation such as -- and statutes such as
8 prescription monitoring programs, as was referenced
9 yesterday by Dr. Levy: Electronic data capture
10 programs can be very, very effective in curbing abuse
11 and making sure legitimate patients have the
12 medication available to them.

13 Surveillance systems and interventions:
14 Again, going to Dr. Levy's talk yesterday. The
15 medical board gets the prescription monitoring plan
16 data, and then can make appropriate educational or,
17 rarely, disciplinary interventions as needed.

18 Law enforcement: There are many, many
19 jurisdictions in this country where there is not a
20 single officer doing drug diversion work. There are
21 many doing vice and street narcotics, but there's
22 relatively few who are focusing on this very important
23 problem.

24 Access to addiction treatment: We know
25 the statistics are very clear that addiction treatment

1 is more effective, resulting in fewer relapses, and is
2 far more economical than incarceration.

3 Education and prevention: If we can
4 educate our young people, give them the smarts to say
5 no to prescription drug abuse, to not start to dabble
6 in that area and go down this road, we will find that
7 this is also more effective and cheaper than even
8 treatment.

9 New chemical entities and new
10 formulations: Purdue is actively pursuing these kinds
11 of things to try to find medications or create
12 formulations that will not be desirable to abusers and
13 yet will still provide full benefit to patients.

14 Well designed, articulated, multi-pronged,
15 living risk management programs that can adapt to new
16 situations as information is brought forth is a very
17 important part to this approach.

18 Finally, improved practice at the clinical
19 level: Better knowledge and skills and better
20 application of those knowledge and skills.

21 All of these facets together working in
22 harmony can result in optimal public health.

23 The risk management plans have been talked
24 about by the FDA for sometime, and they are to be
25 commended for pursuing this, because it is time that

1 we look at this in a different perspective.

2 As we get more and more sophisticated
3 medications on the market, we are going to find new
4 risks that we didn't even see before, and we have to
5 be able to communicate those risks and manage them
6 appropriately for optimal public health.

7 Scheduling, of course, when you are
8 talking about controlled substances, is the linchpin
9 of a risk management program. Scheduling, by its very
10 nature, implies that the drug has abuse potential, and
11 yet, if it's a Schedule II or lower, has legitimate
12 medical need.

13 Labeling is the dominant communication,
14 the thought from which all subsequent communication
15 from a manufacturer to the end prescriber or dispenser
16 derives. Labeling has to be accurate. It has to be
17 clear, and going to the scheduling issue again, if
18 labeling -- if the box warning you heard about today
19 is the strongest form of labeling that the FDA can
20 use, and scheduled drugs by their very nature have
21 abuse liability, we support the use of box warnings
22 appropriate to the schedule for every scheduled drug.

23 In fact, we in conjunction with the FDA
24 worked on the box warning for Oxycontin's package
25 insert, and we submitted without any prompting or

1 discussion a similar box warning for our MS Contin
2 product.

3 The education of health care professionals
4 is an imperative part of risk management. These are
5 the people who are making the clinical decisions.
6 This should be an industrywide commitment. Purdue,
7 for our part, has been doing a great deal of education
8 and prevention of diversion, stopping abuse, detecting
9 and assessing addiction.

10 In the last two years, we have touched
11 over 250,000 health care professionals with those
12 messages. In places where Oxycontin abuse and
13 diversion were problematic in some of the rural areas
14 where it was difficult for people to travel long
15 distances, we did long distance learning education
16 through Webcasting and through teleconferences. We
17 took the information to them, made it accessible in
18 their backyard.

19 We have put together CD ROMs of important
20 links on the Webs of diversion related and addiction
21 related materials, monographs, and in documentation
22 kits which we have distributed, about a quarter
23 million kits to guide a doctor through the
24 documentation process that the medical boards require.

25 Education of patients and caregivers:

1 When we started getting into trying to understand the
2 abuse and diversion problem of prescription drugs, we
3 ran up on a sobering fact. All of the educational
4 programs that currently exist to try to dissuade our
5 young people from drug abuse mentioned nothing about
6 prescription drugs. They tell you about street drugs,
7 but they don't tell you what's in your medicine chest
8 or your kitchen at home.

9 So we created a program called "Painfully
10 Obvious" that is designed specifically to market the
11 message to youth in a way that youth will get, which
12 would be quite different than marketing to you, I
13 assure you, that prescription drug abuse is drug
14 abuse.

15 We also have created what I believe to be
16 -- and it's been approved by the agency -- the first
17 patient package insert for a scheduled opioid.

18 Surveillance activities I referred to
19 earlier, and there is a number of different types of
20 activities, including the post-market experience, the
21 MedWatch program, and other types of programs which
22 I'll highlight in a moment.

23 Stepped interventions: When you do
24 surveillance and you gather experience, you must make
25 interventions that are appropriate to the information

1 that you find. You must continuously assess the
2 outcome of those interventions in a constant cycle of
3 reassessment, reemphasizing different parts of the
4 risk management plan, and revision as situations
5 dictate.

6 In balancing the need to treat chronic
7 pain, I'd like to give you some examples of what the
8 various players can do.

9 Government, clearly, can encourage
10 education about pain care and addiction. In
11 California there is now a legislative mandate that, as
12 a condition of licensure, you must have pain medicine
13 and palliative care education in medical school. West
14 Virginia has now invoked required CME for pain for
15 renewal of licensure.

16 Class labeling: The broad labeling we've
17 talked about is appropriate, but also there is
18 information that is appropriate to the class. We have
19 enough knowledge now about opioids that we can put in
20 reasonable statements in all opioid labels to talk
21 about things that are common. Also the long term
22 studies that are proposed would provide more
23 information in this area.

24 In law enforcement: In some states, for
25 instance, the trafficking in Schedule III opioids is a

1 misdemeanor. It's not a felony, and busy prosecutors
2 often will not waste time with misdemeanors.

3 Industry can certainly encourage,
4 facilitate and provide education. We have
5 distributed, for instance, the Federation of State
6 Medical Board guidelines. Purdue has distributed well
7 over 100,000 copies of those to physicians around the
8 country. The APS Analgesic Guides, thousands of
9 copies. Lawful prescribing slide kits, addiction
10 assessment slide kits, and we have also been very
11 actively involved in educating law enforcement.

12 Risk communication: Clearly
13 communicating the risks such as the box warning.

14 Here's an example of some of the diversion
15 information we put out, and we have samples that I
16 will leave with Ms. Topper for the Advisory Committee.

17 You can see with a simple four strokes of the pen, I
18 was able to alter the prescription on the left to now
19 get something that is four times as strong as the
20 physician intended and to walk home with 60 more than
21 the physician intended.

22 If, however, we get physicians to
23 carefully write this out with the word "ten" behind
24 the strength and the quantity, as they would write
25 their own checks, this would be much harder to do.

1 There's a phenomenon called rinsing
2 whereby someone uses a solvent to try to take away the
3 ink that I've written and then write in what they
4 wish. Tamper resistant prescription pads, not pre-
5 printing your DEA registration number on prescription
6 can help with this.

7 The tamper-resistant pads I mentioned, we
8 are now distributing. These pads have six different
9 security features included. A couple that I'll point
10 out: You can see the word "void" appearing here when
11 it is scanned or photocopied. In the actual sample,
12 it's much more prominent. It doesn't project well.

13 It says right here "valid for controlled
14 substances only" so that the pharmacist knows, if they
15 get a controlled substance from a prescription pad in
16 my office and it's not on one of these, they should be
17 suspicious.

18 This background bleeds very easily if you
19 try the rinsing or alteration technology. On the back
20 there is a watermark, and there is also a disappearing
21 thermochromic ink that, when you rub it, the heat from
22 the friction of your finger makes it disappear; and
23 while you can emulate that with a scanner, you can't
24 duplicate that with a scanner.

25 We are now distributing these on a state

1 by state basis, starting with areas where prescription
2 abuse and diversion have been most prominent.

3 Government can also, as you heard today,
4 assist with data collection and interpretation on
5 pain, addiction, abuse and diversion, and we welcome
6 partnerships with NIH for these long term studies that
7 were talked about yesterday.

8 Government can promulgate state statutes,
9 model state statutes for well designed, nonintrusive,
10 privacy protected electronic prescription monitoring
11 programs.

12 Industry can continue to develop and
13 administer product specific risk management plans that
14 are unique to the individual attributes of a
15 particular product, and progressively work on
16 developing lines of progressively more and more abuse
17 resistant formulations that, while are harder to abuse
18 or undesirable to abuse, provide the full
19 pharmacologic benefit to patients with legitimate
20 need.

21 Of course, discovery research: If we can
22 find the compounds that are excellent analgesics that
23 have no abuse potential, that will be a great boon to
24 society.

25 One type of surveillance system I'd like

1 to take just one second to talk about that complements
2 the government and other surveillance systems is one
3 that we have created called the RADARS system. Our
4 objective here is to develop a more robust and
5 reliable indicator of diversion and abuse than
6 currently publicly accessible databases.

7 In order to look at abuse and diversion of
8 a legitimate pharmaceutical, it's a very different
9 issue than looking at street drugs. We have to have
10 rate information to make intelligent decisions. That
11 is, for every 100,000 people exposed in a year to Drug
12 X, what percent was abused? How much was diverted?

13 Only by rate information can we make
14 intelligent choices, and we hope this will provide
15 earlier signal detection through an active data
16 gathering rather than a passive or spontaneous
17 reporting system.

18 Health practitioners, of course, if we are
19 offering education, must avail themselves of it. They
20 should support model state statutes. In fact, it's
21 interesting. When I talk about this notion to
22 physician colleagues in states that don't have
23 prescription monitoring programs, they immediately dig
24 in their heels until I point out that in Nevada and
25 Kentucky, which tracks this information, that the

1 queries of the system from health care practitioners
2 out number the queries from law enforcement by 15 to
3 one. That is, it's a very useful tool for me to
4 protect myself and make sure that my practice is
5 protected.

6 Of course, prescribing conscientiously and
7 thoughtfully, taking the few extra seconds to write
8 out the quantity and strength, writing on tamper
9 resistant pads.

10 Academia also has to get education about
11 pain care and addiction, two of the most common things
12 we are likely to see as physicians, into the primary
13 curriculum. Of course, they can research the best
14 educational practices, looking at what is the most
15 effective way to change physician behavior and other
16 health care practitioner behavior, as well as
17 researching the best care practices.

18 So in summary, there is a significant
19 burden of unnecessary suffering from chronic pain in
20 the United States. Opioids have a significant role,
21 and will continue to have a significant role in this
22 therapy.

23 All opioids, however, have a recognized
24 abuse potential. The product specific risk management
25 plans can reduce the abuse.

1 Improvements can and should be made in
2 both the assessment and the treatment of pain and
3 substance abuse. We need better data. There is no
4 question about it.

5 The most cogent approach to protecting
6 patient access to opioids is a multilateral,
7 integrated strategy based on data, and we welcome
8 collaboration with our industry, our government, and
9 our academic partners in trying to get our arms around
10 these issues.

11 In conclusion, there is really a few
12 things that, I think, everyone in this room wants to
13 do. We want to ensure access to effective and
14 appropriate care for patients with pain. We want to
15 curb abuse. We want to diagnose and treat addiction.
16 We want to prevent diversion.

17 In order to do that, the regulators, the
18 health care professionals, the law enforcement
19 officials, industry, educators, legislators, and the
20 general public must engage in an active dialogue,
21 respecting the different viewpoints you've heard
22 expressed in the past two days and our varying
23 experiences, but trying to talk in a rational dialogue
24 so that we can come to consensus on ways to optimize
25 the health of the citizens of this country.

1 An example of this is the DEA statement
2 where 21 organizations joined with the DEA to come out
3 to say that, while we must be aggressive in preventing
4 diversion of controlled substances, we must ensure
5 that those efforts do not adversely impact patient
6 care.

7 I would like to thank the FDA, in
8 particular Dr. McCormick who, I know, really wanted to
9 be here today, for assembling this forum where we can
10 begin this kind of dialogue and mutually share things
11 to our benefit.

12 Purdue believes that if all the assembled
13 parties work together here as described, we can
14 collect and disseminate accurate information. We can
15 improve accountability, and we can ensure access to
16 pain medicines for patients with legitimate medical
17 need. Thank you, Mr. Chairman.

18 ACTING CHAIRMAN KATZ: Thank you, Dr.
19 Haddox. Why don't you stay up there for one minute.
20 Does anybody around the table have any questions for
21 Dr. Haddox? Dr. Portenoy, please.

22 DR. PORTENOY: David, thank you for your
23 comments. They were terrific.

24 Can you just summarize what we do have in
25 the way of outcome data to suggest that a risk

1 management strategy of the type you outlined works,
2 and to what extent it works?

3 DR. HADDOX: I am not sure that we have a
4 lot of outcome data in that regard, Russ. I think
5 that there are pieces where we have some data, and we
6 have been able to show, for instance, in some of the
7 areas where we have been very actively involved in
8 diversion prevention education that we have gotten
9 feedback from local law enforcement that it seems to
10 be making a difference in the prescription drug abuse
11 problem.

12 So I think right now it's more of a
13 piecemeal thing. I believe that that is part of the
14 whole of idea, is developing appropriate outcomes
15 measures -- the RADARS system, for one, would be one
16 outcome -- and then taking that outcome and putting it
17 back into the system to recycle it, to keep fine
18 tuning and, as I said, make this a living plan, not
19 something static that's on a shelf somewhere.

20 ACTING CHAIRMAN KATZ: Dr. Horlocker,
21 followed by Mr. Bloom.

22 DR. HORLOCKER: You gave some specific
23 examples of things that the FDA and we as health care
24 providers can do to decrease diversion and addiction
25 among patients, and also went into some detail that

1 Purdue and other industries have done for education.

2 Have you considered different
3 formulations, such as adding naloxone to some of these
4 long acting preparations to decrease the likelihood
5 that, if it's crushed up and mainlined, the person
6 would go through withdrawal or would not have the same
7 opioid high?

8 DR. HADDOX: Yes, we have. We have an
9 entire line of thinking along this point. We have --
10 It's really our number one research priority
11 presently.

12 There are two things that we are working
13 on presently that we think are further along in
14 development. One is the addition of naloxone. Now
15 while that sometimes is said to be very simple, it's
16 actually fairly challenging, because one of the things
17 we don't want to do is to harm a patient.

18 There are issues about giving patients who
19 are not abusing medicines a medication they don't need
20 in order to prevent someone else from abusing the same
21 formulation, and there's the issues of what is the
22 right dose. But we are exploring that very
23 aggressively right now.

24 A second way of doing this is using a
25 sequestration methodology, to sequester an oral

1 bioavailable drug such as naltrexone, such that when a
2 person takes a tablet intact, they would not
3 experience or be exposed to the naltrexone. If they
4 tried to alter the formulation, they would release it,
5 and then accomplish the goal that you mentioned of
6 either no euphoria or perhaps induction and withdrawal
7 if they are physically dependent.

8 These are very challenging technical
9 issues, however.

10 ACTING CHAIRMAN KATZ: Thank you. Mr.
11 Bloom?

12 MR. BLOOM: Thank you very much. Just a
13 couple of technical clarifications of some terms in
14 the handout. In the "Attitudes and Beliefs 2002"
15 thing, there is a slight typo that's rather important.
16 In the VPE ranges of the 8 to 10, the number is 22
17 percent. It's 2 with a space with 2, which makes it
18 look like it's two percent. So that should be
19 corrected to make sure it reflects accurately that it
20 was 22 percent.

21 DR. HADDOX: Thank you. That's an
22 artifact of Bill Gates.

23 MR. BLOOM: No problem. A second thing is
24 in the "Attitudes and Beliefs 2002" the answer 37
25 percent, number 2, you suggested, was the only right

1 answer. The handout does not indicate that. It would
2 be helpful if it would indicate that.

3 I also believe that I am correct that you
4 did say that in the survey the patients were asked
5 that, if they experienced withdrawal symptoms even
6 though they were physically dependent on a medication,
7 that they said they were addicted.

8 DR. HADDOX: What we asked was: If you
9 are taking a pain medicine yourself, and you stop it
10 and had withdrawal, does that mean you are addicted?
11 Fifty-three percent said yes.

12 MR. BLOOM: Right. That's not reflected
13 in your handout anywhere, and also I think that would
14 be an important thing to highlight.

15 DR. HADDOX: So noted. Thank you, sir.

16 ACTING CHAIRMAN KATZ: Llyn Lloyd,
17 followed by Doctors Schuster, Foley and Portenoy.

18 DR. LLOYD: Thank you. Doctor, you
19 mentioned about tamper resistant prescription pads
20 being made available. I'd like to know, are there any
21 states that have so far required those?

22 DR. HADDOX: Yes, there are. As a matter
23 of fact, Kentucky when they instituted their
24 electronic prescription monitoring program in 1997,
25 part of that bill also required the use of a security

1 paper technology like this.

2 What they do in Kentucky is they mandate
3 the criterion, and then you can purchase those from
4 whichever printer has the state seal of approval. So
5 you can get your best deal on the market.

6 There are some other states that do
7 require that you purchase them from the state, New
8 York state, for instance, for Schedule IIs and the
9 benzodiazepines, Texas for Schedule IIs in their
10 triplicate form, California the triplicates.

11 So there's lots of variations around this.

12 What we are doing with our program is in states where
13 there is not a state mandated or a state purchased
14 form, we are going to the Board of Pharmacy and saying
15 here's what we want to do, do you have any objections,
16 how would you like the face of the prescription to
17 look, because there are statutory and regulatory
18 requirements that differ from state to state as to
19 where you sign for generic and where you sign for
20 brand necessary and what those words say, brand
21 necessary versus dispense as written.

22 So it's a process, but we have been going
23 very rapidly, I think, with this. Right now we have
24 about 8,000 physicians who are taking us up on this
25 offer. We are providing these free of charge, and

1 there is no commercial attribution to the forms.

2 ACTING CHAIRMAN KATZ: Dr. Schuster.

3 DR. SCHUSTER: Yes. I was interested in
4 the use of formulations that would be effective in
5 preventing parenteral abuse of these products, such as
6 the addition of naloxone. But if I understand the
7 data coming from the Drug Enforcement Agency of the
8 177 deaths attributed or most likely attributed to
9 Oxycontin, only seven of those were associated with
10 anything other than oral administration.

11 Do you care to comment about that?

12 DR. HADDOX: Yes. I think that the -- I
13 have some issues with the analysis of that supposed
14 study, number one. We can talk about it later, if you
15 wish, in the discussion section.

16 That's why the oral sequestered
17 Naltrexone, we think, is another potential option,
18 because -- and there's actually some other options we
19 are pursuing as well that would prevent oral abuse of
20 just by taking a handful of pills. But as I said, we
21 have about five different things that we are pursuing
22 right now, and they do involve a number of sort of
23 variations on that theme.

24 ACTING CHAIRMAN KATZ: Dr. Foley.

25 DR. FOLEY; Yes. I think I have a

1 statement and then a question.

2 The statement is that Dave Joranson from
3 the University of Wisconsin has reported data to show
4 that looking at the degree of drug diversion with a
5 drug such as a controlled release product such as the
6 long acting morphine preparations showed, when you
7 increased availability in this country or in India,
8 that you didn't see much in the way of diversion.

9 I think that that hasn't been sort of here
10 included in all of the discussions, and I think it's
11 important to recognize that there is a sort of
12 uniqueness to Oxycodone and Oxycontin that is causing
13 the sort of spurt in epidemic perspective, and it may
14 not be consistent with many of the other products that
15 are on the market. So I think that that should be
16 considered.

17 I think the second issue to Dr. Haddox is:
18 Clearly, there is under-treatment of pain and
19 profound under-education of physicians in the country.

20 Now we are asking you to divert your funds to teach
21 the country about substance abuse, not about pain
22 management.

23 How does a company or how should we be
24 asking the pharmaceutical industry who is trying to
25 advance pain management to now take on a national

1 epidemic that we have without the government or other
2 groups playing a major role in this kind of
3 educational force? How do we think of the
4 risk/benefit there? How do we look at the burdens to
5 company? What should be the role of companies?

6 I think I'd like to hear that from Dr.
7 Haddox.

8 DR. HADDOX: I think that industry does
9 have a very important role in educating people about
10 these issues. Clearly, we don't want to back away
11 from the important mission of getting pain better
12 treated in this country, and yet we realize that in
13 doing so and using controlled substances that have
14 abuse liability, there is an obligation there.

15 I do agree with you that this should be a
16 multi-lateral effort involving government, involving
17 academia, and it should be an industry-wide
18 commitment. I don't think it is fair to put the
19 burden on one single company.

20 ACTING CHAIRMAN KATZ: Dr. Portenoy?

21 DR. PORTENOY: David, I'd just like to
22 hear you comment on one last issue. That is, how do
23 we assess outcomes in relation to medical practice?

24 I struggle with this all the time when you
25 are trying to educate physicians about how to

1 prescribe in a way that involves appropriate patient
2 selection and monitoring of abuse behaviors.

3 We have an indication that using sort of
4 public relations marketing technology in primary care
5 can influence prescribing -- increase prescribing, at
6 least in the setting of huge unmet need. Obviously,
7 Purdue Pharma has been under a lot of criticism for
8 that. And now we are saying that it's out there, it's
9 being done. Good outcomes are being seen, but there
10 are also some problematic outcomes. So we want to
11 pull back a little bit. We want those primary care
12 providers to gain some different kinds of skills and
13 to exercise some different kinds of judgments.

14 What's the perspective of industry in
15 terms of monitoring that or in terms of providing that
16 kind of education, monitoring those kind of outcomes,
17 and are you aware of any data that really allows us to
18 know whether or not any of those efforts work?

19 DR. HADDOX: Well, the last question is
20 the easiest one to answer, because it's a simple no.
21 The other issues: I think that industry would clearly
22 welcome partnership with academic and medical
23 societies to try to look at these issues.

24 I suppose the mantra that I go by, and I
25 fall back on my anesthesiology training, is the motto

1 of the American Society of Anesthesiologists:
2 "Vigilance." I think that that is something that is
3 incumbent upon doctors, to be vigilant, to see what's
4 happening with their patients.

5 I have seen very few instances where
6 physicians who were paying attention to what was going
7 on with the overall treatment course got themselves or
8 their patients into significant trouble. The key is
9 to know what your comfort level is, to hopefully
10 increase that comfort level with new skills and
11 knowledge over time, and to know when to call for some
12 assistance.

13 Just like you mentioned yesterday about
14 hypertension, I had a very low threshold for calling
15 for help for treatment with diabetes when I was doing
16 chronic pain, particularly if I was considering
17 invasive technology. I'd get an endocrinologist to
18 help me out here to make sure that I wasn't going to
19 make the person worse rather than better.

20 So I think it's just part of -- One of the
21 things that I find frustrating personally is that
22 people, physicians particularly, seem to think of
23 opioid therapy as something different, and it seems
24 to me, if you just be a good doctor, just do the stuff
25 you do every day with opioids like you do with insulin

1 and ACE inhibitors, you know, the odds are you are
2 going to help a lot of folks.

3 ACTING CHAIRMAN KATZ: Dr. Parris.

4 DR. PARRIS: David, nice presentation. My
5 observation and my question has to do with the
6 education of health care professionals. You have been
7 on the inside in academia, and you are now proposing
8 that the education of the health care professional is
9 important.

10 I continue to be amazed at the ignorance
11 of our graduating young physicians as far as their
12 education on pain in general and opioids in
13 particular. Do you have any specific recommendations
14 to make, given the fact that you have been at Emory
15 and now you are in industry? Do you have any specific
16 recommendations as to how we can correct this
17 ignorance that exists in our young graduating medical
18 and nursing personnel?

19 DR. HADDOX: As was mentioned yesterday by
20 Dr. Levy, I believe, integrating new information into
21 a medical school curriculum is a remarkable challenge.

22 As you know from your work at Vanderbilt, everyone
23 wants a piece of the pie, and the pie is only four
24 years long, and there's only so many hours in the day.

25 I think, however, that when you think

1 about what a physician, regardless of what they wind
2 up doing, is likely to encounter, there is a
3 disconnect between what we are taught and what we see.

4 Every physician is going to see pain. It might be
5 acute pain. It might be procedural pain, might be
6 traumatic pain. It might be the type of pain that you
7 and I have treated.

8 Every physician is going to see substance
9 abuse, although they may not recognize it. I think
10 these should be basic, fundamental things. The
11 American Academy of Pain Medicine, as you are aware,
12 is working on a curriculum to try to present to the
13 Association of American Medical Colleges that will
14 make it easier for curriculum committees to put this
15 throughout the curriculum.

16 I think it's going to take a real
17 commitment, and the Chairman-elect of the Board of
18 Trustees of the American Medical Association, Ed Hill,
19 has called for -- and I think it bears some thought --
20 Flexner II.

21 It's been 100 years almost since Abraham
22 Flexner delivered his report on the state of medical
23 education. Maybe it's time to take another look at
24 it.

25 ACTING CHAIRMAN KATZ: Even though we are

1 running a couple of minutes behind schedule, I'm going
2 to take one final question myself, Dr. Haddox.

3 DR. HADDOX: Certainly.

4 ACTING CHAIRMAN KATZ: In reviewing your
5 slides and listening to your very thoughtful
6 presentation, it struck me that, despite the fact that
7 we know so little about some of the syndromes that we
8 are concerned about here today, addiction, tolerance,
9 diversion, and the fact that there's been almost no
10 clinical research in those areas, I didn't see
11 clinical research mentioned on any of your slides
12 about how we are going to move forward here to better
13 understand what it is exactly that we are dealing
14 with.

15 I'm sure that wasn't a deliberate
16 omission. I wonder if you could describe in more
17 detail what industry's perspective is on pursuing an
18 aggressive program of clinical research to better
19 understand what is it exactly that we are talking
20 about here?

21 DR. HADDOX: Well, I think that in terms
22 of the pharmaceuticals and the labeling issues we
23 talked about, I believe that these efficacy trials
24 that were discussed yesterday and a little bit this
25 morning make a lot of sense.

1 We are dealing with compounds that are not
2 exactly new. Oxycodone, for instance, has been
3 synthesized since 1917, has been continuously marketed
4 in the world since then, morphine, of course, in the
5 1800s isolated. So I don't think we're talking about
6 new issues.

7 The question that I think it begs is what
8 is the pharmaceutical industry's obligation to fund
9 studies to understand addiction? I think that's an
10 issue that, I think, bears some discussion, and I'm
11 not going to tell you that I can stand here and tell
12 you that I have industry consensus on that.

13 I think that, clearly, in our post-
14 marketing surveillance we should be actively looking
15 for this, as we have longer experiences with patient
16 registries, for instance, as we do with Oxycontin
17 where we are constantly culling this data and looking
18 for things much like we talked about yesterday, the
19 real world.

20 Now we have the drug out there in the real
21 world, let's follow these people closely and find out
22 what's going on. That is one way of doing this, but I
23 think the key here is active rather than passive
24 reporting.

25 The RADARS surveillance system that I

1 mentioned to you -- we think that this is going to be
2 -- Well, we know it will be a series of studies that
3 we hope will put together a much clearer picture of
4 this issue of diversion. We are looking, for
5 instance, at -- We've added items to the DENS, the
6 Drug Evaluation Network System, the ONDCP-funded
7 online, real time intake system for treatment centers,
8 about prescription drugs. That will probably be up to
9 about 250 reporting centers by the end of this year.

10 We have established a key informant
11 network of NIDA grantees, pain clinicians, dentists
12 doing facial pain, people doing substance abuse, to
13 feed us information on a regular basis about what they
14 are seeing.

15 So I think there's lots of things industry
16 can do. I don't think industry can do it along,
17 however. That's why I wanted to put forth this notion
18 of an active partnership with academia and government.

19 ACTING CHAIRMAN KATZ: Thank you very
20 much. It's very helpful. I appreciate -- We all
21 appreciate your time.

22 Let me then bring Dr. Rappaport up to
23 introduce our upcoming session on prescription drug
24 abuse.

25 DR. RAPPAPORT: I think we all understand

1 what we are here to talk about today. So I just want
2 to take a minute to remind the Committee members about
3 one particular regulatory issue that you need to keep
4 in mind in your discussions today.

5 We believe that there are ways in which
6 various aspects of drug development may use the
7 labeling process to prevent problems like abuse and
8 addiction. You need to understand that what ends up
9 in the label may end up in the sponsor's advertising.

10 Now that's fine. That's the way the
11 system works. However, while these materials are
12 subject to a number of regulations that ensure that
13 they provide a fair and balanced presentation, lack of
14 adequate data on the risks of a drug to inform the
15 label may result in potentially dangerous information
16 being disseminated.

17 Another way in which it is very important
18 what goes into the label, as Dr. Haddox was talking
19 about with the black box warning -- I mean, that's not
20 just there to inform physicians about the dangers of
21 the drug. It also then becomes a requirement that go
22 into all the advertising materials.

23 There are ways that we can manipulate the
24 label into being more informative for you as
25 prescribers and for the public, but there are a lot of

1 regulatory twists to this. So you need to keep that
2 in mind in terms of what you ask for in clinical
3 studies of safety concerns such as addiction and abuse
4 and diversion issues.

5 ACTING CHAIRMAN KATZ: May I just ask you
6 to -- Doug Rappaport, for a quick clarification. So
7 is what you are saying then that, if a label states
8 that a drug is safe and efficacious for a particular
9 consideration, that it is important for the Committee
10 to bear in mind that safety encompasses all the
11 aspects of safety for the intended population? That's
12 what I'm hearing, from what you're saying? Is that
13 fair take home message?

14 DR. RAPPAPORT: Essentially, yes.

15 ACTING CHAIRMAN KATZ: Anybody else from
16 FDA want to add any comments to that -- to Dr.
17 Rappaport's introduction? Mitchell, question?

18 DR. MAX: Bob, I have no idea what you
19 just said we should keep in mind. I'm trying to help.
20 Could you try it again? Maybe give an example of
21 what we shouldn't do. What would be a terrible
22 mistake?

23 DR. RAPPAPORT: I'm sorry. Okay.

24 DR. KWEDER: Bob, can I help you?

25 DR. RAPPAPORT: No. I mean, I've got --

1 Only information from an adequate and well controlled
2 study can go into the clinical trial section of the
3 study -- of the label. However, if you have safety
4 information, that can be put into the label at anytime
5 and can be fit in appropriately.

6 So I'm just trying to tell you to be aware
7 that, if we don't ask for certain information, we
8 won't get certain information in the label, and then
9 in terms of the marketing and advertising materials,
10 we cannot require -- The agency cannot require that
11 sponsors put that information into their materials.

12 Dr. Kweder?

13 DR. MAX: Yes. I hear that you just want
14 us to underline like Nat did the key areas of
15 ignorance that we must know more about if we are to
16 responsibly expand the prescription of some of these
17 drugs.

18 DR. RAPPAPORT: That's correct. Dr.
19 Kweder, did you want to make a comment?

20 DR. KWEDER: Yes. I think the reason Dr.
21 Rappaport brought this up is because the term
22 "labeling of drugs" has come up many times over the
23 day and half we've been here, and the label -- but we
24 haven't had a real discussion about it.

25 I think a couple of the highlights are

1 that the labeling is designed for prescribers to be
2 informative and help prescribe a product
3 appropriately. We also know that most prescribers
4 don't read them.

5 Another reason -- but there are things
6 that we do to try and ensure that key information
7 about a product gets out. Now yesterday, for example,
8 there was discussion about people on the Committee --
9 by way of example, that you like the idea of a very
10 broad indication for opioids, because that allows you
11 to use them as you see fit, particularly in a
12 specialty setting, very understandable.

13 The downside to that is that the label is
14 a legally binding document for the company. The
15 company can only promote a product based on what's in
16 the label. If a broad indication is in the label,
17 despite the fact that some clinicians in practice
18 think that certain uses of a product might not be
19 appropriate, it's perfectly appropriate for a company
20 to market the product for very broad indications with
21 specifics.

22 It's not unique to this area of medicine,
23 not at all. So it is just something to keep in mind.

24 Secondly, on the black box issue, one of
25 the reasons that the black box is often a useful tool

1 is, while warnings must be reflected in promotional
2 materials of any product, they must be particularly
3 prominent on all promotional materials when there is a
4 black box.

5 So often in order to get the word out
6 about a unique safety problem or something
7 particularly troubling, the agency will utilize the
8 black box tool, because it ensures that that two-page
9 spread in the journal you get has the information from
10 that black box prominently figured.

11 I think that's part of Bob's point, is
12 trying to keep in mind that there are a lot of ways to
13 deal with this, to deal with some of these issues and
14 try to balance appropriate prescribing information
15 with warning information. We have some tools that
16 work better than others.

17 Does that help you, Mitch?

18 DR. MAX: Yes. Well, if we were to say as
19 a committee that we do not have data at this moment
20 about the overall benefit/risk at one year, and we
21 really can endorse that only on an anecdotal basis,
22 would that get -- would that make payers not pay for
23 this? Would we be damaging a lot of patients?

24 I mean, there's one way to do it right
25 like I think the arthritis -- There are these

1 rheumatoid arthritis guidelines where they set up
2 tiers of evidence requiring longer and longer studies.

3 You relieve pain first tier. You relieve -- you
4 increase function, and eventually erosions, and it's
5 like the Olympics. All the companies are spending
6 more and more money to go to bigger and longer
7 studies, because they really want it, and it seems to
8 be working marvelously.

9 Is there some scheme where we could do
10 that without doing something really bad to cut off
11 patients?

12 DR. KWEDER: I think that's a much longer
13 discussion.

14 ACTING CHAIRMAN KATZ: It doesn't sound
15 like we're going to get --

16 DR. RAPPAPORT: No, I don't --

17 ACTING CHAIRMAN KATZ: Does anyone have an
18 answer for that?

19 DR. RAPPAPORT: I don't have an answer for
20 that at this time.

21 ACTING CHAIRMAN KATZ: Let's go to --
22 Sorry, no answer. Let's go to Dr. Tobin, who has a
23 question. Oh, I'm sorry, Dr. Smiley.

24 DR. SMILEY: That's all right. I'm very
25 flattered to be mistaken for Dr. Tobin.

1 Dr. Rappaport, one thought, and it's
2 obvious to you, painfully obvious, that we are not
3 regulators and don't understand the process
4 particularly well. But it seems to me that, if we are
5 pushing the idea of broad labeling, whatever that
6 actually means in the regulatory process, does that
7 give you or give the FDA some more leeway to require
8 safety information on a broad basis also?

9 Maybe I'm not phrasing the question in a
10 regulator's way, but seems to me, if we are saying
11 that we agree that opioids could be labeled broadly
12 because we know that opioids are opioids and, you
13 know, pain relief is a result of all of them, then
14 can't the problems with one opioid be at least in some
15 way mandated or encouraged or whatever the proper word
16 is for a new product, even if you don't have
17 information on that product about the safety issue?

18 DR. RAPPAPORT: We do include information
19 about classes of pharmacological products in safety
20 information in the labeling, but primarily what we put
21 in the labeling is what we see from the clinical
22 experience, from the trial experience, and the data
23 that we get out of that.

24 In a sense, saying that something is part
25 of a group of products such as the opiates

1 automatically has its own set of information that
2 comes with it. So, yes. In a sense, yes, but
3 primarily our information in the label is coming out
4 of clinical trials.

5 ACTING CHAIRMAN KATZ: I'll take one more
6 question from Mr. Bloom, and then we'll go on to the
7 presentation.

8 MR. BLOOM: Thank you. This is a question
9 for the FDA, and I don't know if this is under your
10 mandate or not. Do you decide the yellow warning
11 labels that are on the prescription bottles from the
12 pharmacy or is that individual pharmacies that decide
13 the wording on them?

14 DR. RAPPAPORT: We don't decide those in
15 particular. We can work with a pharmaceutical company
16 when we approve a product to request special warning
17 markers on labeling and product packaging. It's a
18 process of working with the sponsor to develop that,
19 if it's felt to be necessary.

20 MR. BLOOM: The point being that I have
21 thought for years now -- and this has been a joke
22 during my college years, and I've noticed this for the
23 last 20 years, and I have a bottle right here. I
24 think the fact that all of the benzodiazepines and
25 opioids all say "Alcohol may intensive this effect" is

1 hardly a warning label telling you the consequences of
2 it, and intends to be an encouragement label to say
3 that, if you mix alcohol with it, you're going to get
4 a better boost out of the medicine.

5 I would suggest that there's probably a
6 better warning label to put on it than the current
7 wording.

8 DR. KWEDER: Jeff, we actually. He's
9 right. Those little stickers are put on by
10 pharmacists, and those are not specifically regulated
11 by FDA. That's really sort of the practice of
12 pharmacy.

13 There have been specific situations where,
14 particularly for products that are distributed in unit
15 of dose use -- you can only get them in a package of
16 30, for example -- where we work with companies to
17 have a specific warning imprinted on the bottle that
18 doesn't rely on a pharmacist to apply it.

19 We recently did it for an antiretroviral
20 drug, for example, that has a very potent and
21 worrisome toxicity.

22 MR. BLOOM: Let me say that probably is a
23 good idea. You know, I think it's -- In college this
24 was a big joke to people, and I mean, I've never seen
25 -- From any pharmacy at least in the Washington area,

1 everyone has that same label that says alcohol may
2 intensify this effect. You can imagine what that
3 translates to. So --

4 ACTING CHAIRMAN KATZ: A final, very quick
5 comment, and then the presentation.

6 DR. CARLISLE: You would be interested to
7 know at a major university in the midwest a recent
8 study has shown that young women reported that they
9 used benzodiazepines for weight control. Not being
10 able to understand this, we did focus groups and
11 established the fact that they would take a
12 benzodiazepine prior to the time they go to a party so
13 that they would drink less alcohol which, of course,
14 contained the calories.

15 ACTING CHAIRMAN KATZ: With that, let me
16 introduce Judy Ball from the Substance Abuse and
17 Mental Health Services Administration, who will be
18 speaking to us on current data on abuse and diversion,
19 with apologies for being behind schedule.

20 DR. BALL: I want to thank my colleagues
21 at the FDA for inviting me to come and present data
22 from DAWN. In the interest of full disclosure, I
23 should also tell you that I did not pay Mr. Coleman to
24 say good things about the Drug Abuse Warning Network
25 this morning.

1 DAWN is one of those data systems that
2 collects data both on the illegal and legal drugs. We
3 collect a lot of data on prescription drugs. In fact,
4 SAMHSA is required by law to collect information on
5 drug abuse related emergency department visits and
6 drug related deaths that are reviewed by medical
7 examiners and coroners. The Drug Abuse Warning
8 Network is, in fact, the vehicle by which SAMHSA meets
9 this requirement.

10 On the emergency department side, DAWN
11 relies on a stratified probability sample of
12 hospitals, short term, general, non-Federal hospitals
13 in this country, that operate 24-7 emergency
14 departments.

15 Based on the way the sample is structured,
16 we are able to produce representative estimates for
17 the coterminous U.S. -- Alaska and Hawaii will be
18 joining the union shortly -- but also for 21 major
19 metropolitan areas. What I'm going to show you mostly
20 today are national estimates.

21 Cases that are reported to DAWN have to
22 meet very specific criteria. The patient must be
23 between the ages of six and 97 and was actually
24 treated in the emergency department. Patients that
25 get triaged out without treatment aren't included.

1 The emergency department visit has to have
2 been related to drug abuse, and that means the use of
3 an illicit drug or the non-medical use of a
4 prescription or over-the-counter medication. The
5 motive for the drug use actually has to be documented
6 in the record as being dependence, psychic effects, or
7 suicide attempt or gesture.

8 So while you might want to think about
9 every drug abuse case that shows up in the emergency
10 room being reported to DAWN, in fact, there are
11 probably some cases missing, and we are making some
12 changes in the case definition shortly. But in the
13 meantime, this is what we have to work with.

14 The drug detail in DAWN is important for
15 you also to understand, because it varies based on the
16 detail that's in the source record. We do not collect
17 any information directly from patients. We only
18 abstract information from medial records.

19 So the medical record may contain the
20 brand name, the trade name. It may contain the
21 chemical name. It may give us only the generic or it
22 may only give us nonspecific information. If
23 nonspecific tests for opiates are performed, for
24 example, that might be the only information we are
25 able to derive.

1 For both legal and illegal drugs, street
2 names may also be documented in the record. The
3 result of this is that we do not publish estimates for
4 particular brands. That doesn't mean that we don't
5 have data on brand level information, but the data are
6 sufficiently incomplete that we think publishing
7 estimates by brands would be unreliable and
8 misleading.

9 From the emergency department sample in
10 DAWN, we estimate that for the total country, there
11 were about 96 million emergency department visits for
12 any reason in 2000, and out of those about 600,000
13 were related to drug abuse.

14 Each case of drug abuse can have up to
15 four drugs reported, and we refer to that instance of
16 a drug report as a drug mention. The drug may be
17 mentioned on the record. So for the 600,000 visits,
18 we had nearly 1.8 million drug mentions or 1.8 drugs
19 per episode. This is based on a responding sample of
20 466 hospitals.

21 As you can see from this chart, about 80
22 percent of the 1.1 million mentions are made up by
23 just eight categories of drugs. The cocaine, heroin
24 and marijuana plus alcohol in combination make up
25 about 50 percent of mentions, but then the

1 benzodiazepenes, the antidepressants and the
2 analgesics make up another about 30 percent, and it's
3 the narcotic analgesics that I will focus on today.

4 About six different substances make up
5 about 85 percent of the mentions of narcotic
6 analgesics. What we see here is, if you think of
7 morphine of sort of the base for comparison, for every
8 one mention of morphine we find ten mentions of a
9 nonspecific narcotic, eight mentions of hydrocodone,
10 four mentions of oxycodone, and then about two
11 mentions of propoxyphene or codeine, again relative to
12 the number of mentions of morphine.

13 Take a look at our recent trends. What we
14 have found, the middle column there shows you
15 estimates for the year 2000. From 1998 until 2000 we
16 had a 40 percent increase in the mentions of
17 unspecified narcotics, nearly a 50 percent increase in
18 hydrocodone mentions, and a doubling of oxycodone
19 mentions.

20 From 1999 to 2000, the only statistically
21 significant increases occur for hydrocodone, which
22 rose 30 percent, 32 percent, and oxycodone which rose
23 68 percent.

24 To look at the longer term trends, this
25 shows just the most frequent, the oxycodone,

1 hydrocodone and narcotics unspecified. You can see
2 that hydrocodone and narcotic analgesics unspecified
3 sort of started at the same point in 1994. Since
4 then, the unspecified mentions have risen three times.

5 Hydrocodone has a bit more than doubled, and
6 oxycodone has risen 166 percent, so doubling plus
7 another two-thirds.

8 For the lower frequency narcotics, we
9 actually see that codeine from 1994 to 2000 dropped 44
10 percent. Propoxyphene has sort of been jiggering
11 along there. There's no real trend about it, and
12 morphine rose 126 percent from '94 to 2000, but in
13 fact that increase sort of happened by 1998, and the
14 trend has been flat since then.

15 So that's, in summary, what DAWN shows us
16 about emergency department visits associated with the
17 abuse of narcotic analgesics. Now the other kind of
18 sentinel event that DAWN tracks is cases that are
19 reviewed by medical examiners and coroners.

20 Unfortunately, we do not have a
21 probability sample of drug related deaths in any way,
22 and we are not able to produce national estimates.
23 But we do collect data from about 140 medical
24 examiners in the country. This is both drug induced
25 deaths, when there were overdoses and when there were

1 -- and when the death was drug related.

2 We only have partial participation in some
3 of 40 metropolitan areas. We have full participation
4 in others. What I'm going to show you now is some
5 data from the medical examiner component from seven
6 metropolitan areas where we have complete
7 participation, and these happen to be seven
8 metropolitan areas that we also can produce estimates
9 on the emergency department side.

10 So we can get a sense of both morbidity
11 and mortality associated with these particular drugs.

12 To make sure that we control for population size
13 across these cities, I have expressed all of the
14 numbers you are going to see from here on out in terms
15 of rates per 100,000 population.

16 So let's start with the narcotics not
17 otherwise specified. You can see from the emergency
18 department visits that Baltimore has a far higher rate
19 of reporting of these mentions than these other
20 cities, but even among the other cities here there is
21 quite a bit of variability in the rate of these
22 mentions.

23 The deaths, on the other hand, medical
24 examiners usually report fairly specifically. So we
25 don't have a lot of reports of unspecified narcotics

1 on mortality cases, but we do see a few, and the
2 numbers here go from a low in San Francisco of .2
3 deaths per 100,000 population up to .8 deaths per
4 100,000 population in Boston.

5 For oxycodone, you should notice here that
6 the scale on this chart is not the same as the scale
7 on the previous one. This only goes up to 20 per
8 100,000. Again, we do see a lot of variability across
9 the cities, and the deaths actually range from a low
10 of .3 per 100,000 population in Denver and San
11 Francisco up to a high of one death per 100,000
12 population in Miami and 1.1 deaths per 100,000
13 population in Baltimore.

14 Oxycodone is not necessarily the only drug
15 that was involved in these deaths. Just as on the
16 emergency department side, multiple drugs are
17 typically involved, and the average number on the
18 medical examiner side is 2.5, I believe.

19 So again, we see variation both on the
20 emergency department side and on the medical examiner
21 side, and the pattern is not consistent necessarily
22 across the cities. As you can see here, looking at
23 hydrocodone rates, again the cities that have the
24 highest rates are not necessarily those that have the
25 highest rates for oxycodone.

1 On the deaths, we have rates ranging from
2 .2 deaths per 100,000 population in Baltimore, going
3 up to .9 deaths per 100,000 population in San Diego
4 and Los Angeles.

5 As we expand the DAWN sample to include
6 more medical examiners, we will be able to produce
7 more information like this that can be put together
8 with the emergency department side.

9 To give just an overview of the
10 limitations of DAWN, because there are some that are
11 important to understanding these numbers: The first
12 is that the intent to abuse the drug has to be
13 documented in the medical record. Currently, we will
14 miss cases if such documentation is lacking.

15 Second, we cannot distinguish diversion
16 versus the abuse of prescription drugs consumed by the
17 person for whom they were prescribed. That's simply
18 not possible, based on medical record information.

19 There is variable reporting of nonspecific
20 terms over which we have limited control. Finally,
21 right now we do not have any good information on
22 health status or the presenting complaint or the
23 diagnosis for the patient coming into the emergency
24 department. For DAWN to speak to health consequences,
25 certainly some of that information is necessary.

1 The strengths of DAWN, however, have to do
2 with the extensive drug detail, that there is no other
3 systematic drug abuse data collection system that
4 collects as much or as specific detail on illicit,
5 prescription, and over-the-counter drugs.

6 We get drugs regardless of the frequency.

7 We get new and old drugs. We start seeing new drugs
8 coming into DAWN as soon as they start appearing in
9 emergency departments, and we are able to produce
10 statistically valid estimates on the emergency
11 department side and trends over the long run.

12 DAWN is also one of the more timely of the
13 substance abuse data collection systems, and as I
14 intimated earlier, we are actually -- we have some
15 major changes planned for the next five years that we
16 hope will make DAWN even more useful for a variety of
17 users.

18 Our sister agency, FDA, is one of our
19 principal users, and we work with FDA all the time to
20 provide them with information out of DAWN that will
21 help them do their jobs. Thank you.

22 ACTING CHAIRMAN KATZ: Thank you, Dr.
23 Ball. Are there any questions from the table to Dr.
24 Ball, specifically about the content of her
25 presentation? Dr. Carlisle, you are first.

1 DR. CARLISLE: I would like to know a
2 little bit more about how your cases are defined. You
3 said in, I believe, your second or third slide that
4 you had drug related ED visits. Does that include
5 other things such as soft tissue infections, accidents
6 that are all drug related but are not specifically an
7 overdose?

8 DR. BALL: Yes. Yes, DAWN includes any
9 kind of case that is treated in emergency departments
10 that is related to drug abuse. It doesn't mean that
11 the drug had to be the particular cause of the visit.
12 The kinds of examples you give for skin infections
13 and for accidents are certainly reportable to DAWN.

14 The kinds of cases that we miss are things
15 like drug rape, when a woman is given a drug without
16 her knowledge. That would not be currently reportable
17 to DAWN. And if the visit is totally unrelated to
18 drug abuse but drugs were on board, the case would
19 probably not be reported.

20 DR. CARLISLE: And then the second part of
21 my question is do you have any way of capturing those
22 patients that have drug related problems but do not
23 come to the emergency room per se?

24 The reason I ask that is that in San
25 Francisco at my hospital we have now taken

1 approximately 1,000 cases a year of soft tissue
2 infections and put them in a special clinic. So those
3 patients are never seen in the emergency department.
4 Do you have any way of capturing those patients in
5 your database?

6 DR. BALL: Right now, we collect data only
7 from emergency departments, and there may be -- Some
8 hospitals have multiple emergency departments for
9 treatment of different populations.

10 Especially with the increase in managed
11 care over the past decade, there has been an
12 increasing concern that drug abuse cases, because of
13 insurance or other reasons, may be being diverted
14 outside of emergency departments, being treated in
15 these alternative settings.

16 We were very concerned about why the
17 leakage of these cases out of emergency departments
18 was making the DAWN -- the information in DAWN less
19 valid. We actually awarded a contract two years ago
20 to take a look at this and many other design issues
21 having to do with DAWN, and we looked at the necessity
22 and the feasibility of trying to capture patients in
23 other settings of care.

24 On the managed care issue, what we found
25 was that there was no consistent pattern, and much of

1 the research that has been published recently and is
2 ongoing suggests that, in fact, managed care is not
3 reducing the caseloads in emergency departments. In
4 some cases, it may actually be increasing caseloads.

5 Alternative care settings such as -- I
6 don't know what they are called officially -- urgent
7 care centers and doc-in-the-boxes, we found very
8 considerably across time and place, and they are
9 simply not a source of care that is sufficiently
10 stable to be able to do a sample and collect data from
11 on a regular basis.

12 The kind of clinic that you have at San
13 Francisco General, if the patients are not seen in the
14 emergency department and treated in the emergency
15 department, they would be lost to DAWN. But if they
16 have other issues that cause them to be treated in
17 your emergency care facility, we certainly would pick
18 them up.

19 ACTING CHAIRMAN KATZ: Dr. Reidenburg is
20 next, and there about five people before you,
21 Mitchell.

22 DR. REIDENBURG: Yes. Two questions on
23 the medical examiner's data. Firstly, if somebody
24 successfully commits intentional suicide where a drug
25 is detected, would that appear in the medical

1 examiner's data?

2 My second question is: As you showed your
3 slides, it seems as if the death rate per 100,000 city
4 by city isn't nearly as variable as the choice of drug
5 from one city to another. So in Baltimore hydrocodone
6 doesn't kill nearly as many as oxycodone; whereas, in
7 San Francisco, it's the opposite. Have you looked at
8 your data from this standpoint, and is my superficial
9 review close to correct?

10 DR. BALL: The answer to your first
11 question about suicides is yes. On the emergency
12 department side we pick up attempted suicides. On the
13 medical examiner case, we have the potential to pick
14 up completed suicides.

15 Having to do with the variability and the
16 death rates across the cities, I think you are
17 probably right. It does look as though we have more
18 variability sort of between drugs and across cities,
19 but I would also urge you to exercise some caution.

20 The numbers for those death rates are so
21 low that even very small things look to be big. The
22 fact is none of the rates that I pulled for these
23 cities out of the DAWN data are very large at all.
24 One death per 100,000 population was the largest, and
25 I think occurred only in two cities for one drug.

1 ACTING CHAIRMAN KATZ: Dr. Anthony.

2 DR. ANTHONY: Dr. Ball, congratulations.
3 That was a very wonderful overview. First, I'd like
4 to say that criticizing DAWN, I've been working with
5 DAWN since 1972, DAWN data since 1972, and criticizing
6 it is like shooting fish in a barrel. It's about as
7 easy as one can do.

8 So my comments aren't intended so much to
9 criticize DAWN as to draw attention to what may be
10 important points of interpretation of the DAWN data.
11 Before I had mentioned -- three points. I should add
12 that DAWN around the world among people who study drug
13 dependence and the epidemiology of drug dependence,
14 it's considered -- it's an envy. It's considered a
15 gem surveillance system. So anything that I say
16 should be taken in that light.

17 A surveillance system -- this is true for
18 DAWN or the National Household Survey on Drug Abuse
19 which Dr. Chilcoat will talk about a little later --
20 is designed to be practical, to provide relatively
21 rapid information and to reveal outbreaks that need to
22 be investigated in more detail, and is almost never --
23 A surveillance system is almost never designed with
24 validity or accuracy paramount in mind, and
25 completeness of data.

1 One of the interpretative points that is
2 important here concerns this category of nonspecified
3 narcotic antagonists -- narcotic analgesics. A
4 question I have particularly is whether heroin is
5 excluded from that category or whether heroin might be
6 included here.

7 DR. BALL: If heroin is identified in the
8 record, it's not included there.

9 DR. ANTHONY: But if it were identified as
10 a narcotics overdose, but heroin was not specifically
11 mentioned, would it show up in the NOS category?

12 DR. BALL: I suppose that's possible.

13 DR. ANTHONY; It think this is a fairly
14 crucial detail, and the relative magnitude of the
15 number and rate of nonspecified narcotics events or
16 mentions in DAWN to those that are specific to the
17 generic or chemical names of the drug is important to
18 pay attention here to.

19 So when we are comparing city by city,
20 looking at the specific ratios of, say, oxycodone
21 versus hydromorphone, we have to wonder what is
22 lurking behind in that not otherwise specified
23 category of narcotics. It could be that the specific
24 drug ratios are giving us a somewhat misleading
25 picture in the story.

1 DR. BALL: So you are thinking that heroin
2 rates are high in Baltimore. Therefore, the narcotic
3 analgesic rates in Baltimore that are unspecified
4 probably reflect the heroin rate?

5 DR. ANTHONY: Well, I do know the heroin
6 rates are high in Baltimore, but I'm more -- In terms
7 of answering the question raised earlier about the
8 ratios of hydromorphone versus oxycodone mentions, for
9 example, for two different cities, I'm more worried
10 about that very large category of not otherwise
11 specified.

12 In epidemiology generally -- and I know
13 you know this -- whether we are studying anthrax or
14 heroin overdose, having a very large not otherwise
15 specified category makes the interpretation rather
16 difficult.

17 DR. BALL: Yes.

18 DR. REIDENBURG: But this is why I
19 specifically focused on the medical examiners cases
20 where they were specified.

21 DR. ANTHONY: I believe the medical
22 examiners include quite a few not otherwise specified
23 narcotics as well, because bioassays aren't always
24 done. Toxicological tests and evidence is not always
25 available for those records.

1 DR. BALL: Actually, the number of deaths
2 that were reported to DAWN in these cities with
3 narcotics analgesics unspecified was three in San
4 Francisco, seven in Miami, 11 in Denver, and 29 in
5 Boston.

6 DR. ANTHONY: Ah, thank you. That helps,
7 not so much for the emergency room episodes but for
8 the medical examiners.

9 The second point is that these are
10 mentions. These are drug mentions as opposed to
11 episodes or patients -- let me straighten that out.
12 These are mentions as opposed to episodes, and so more
13 than one drug can be mentioned at the same time.

14 If someone empties the medicine cabinet,
15 happens to die of an overdose of aspirin, but in the
16 medicine cabinet there is some residual narcotic
17 analgesic, that will get counted in the DAWN numbers.

18 This is important because, as we look at
19 newly marketed products, the number of daily doses
20 circulating in the population is increasing over time,
21 and an old product that is being retired it will be
22 declining in time. So our trends are going to be
23 reflecting, to a certain extent, the number of daily
24 doses circulating in the population.

25 So when we see these, for example, for

1 oxycodone increasing, what we may be seeing is simply
2 the increasing availability of oxycodone in the
3 population, and that's another interpretive point.

4 I'm not certain that it undercuts the importance or
5 value of the DAWN data, but it's one of the reasons
6 why we have to think about this as a surveillance
7 mechanism that then leads us to guide us toward more
8 probing investigations, as opposed to standing on its
9 own two feet, interpreted as more than the
10 surveillance data.

11 Then the final point that I think may be
12 worth mentioning is that the inclusion of suicide and
13 suicide attempt in the analysis of the DAWN data makes
14 for problems of the type I mentioned before where a
15 person might actually not be a casualty that should be
16 attributed to a specific product or even to the
17 chemical class, but simply it's a casualty that's
18 related more to the mode of suicide than a person or
19 suicide attempt that a person tried to make.

20 So those are just three points about DAWN
21 that I think are important when we consider the
22 investigation of DAWN data as part of the regulatory
23 evaluation. Again, with a surveillance system,
24 whether it's DAWN or the National Household Survey on
25 Drug Abuse, the goal would be to detect something

1 happening, and then to use more probing and rigorous
2 methods to sort out what is actually happening. I
3 guess that would be what I would leave the Committee
4 with.

5 ACTING CHAIRMAN KATZ: Dr. Ball, are you
6 available to stay here for another -- If we take a
7 break now, will you be available to answer more
8 questions after that break?

9 DR. BALL: Certainly. I plan to be here
10 the rest of the day.

11 ACTING CHAIRMAN KATZ: Why don't we do
12 this. Why don't we take a break right now for ten
13 minutes. We'll regroup here -- My watch says ten
14 minutes after eleven -- and then we can address any
15 remaining questions.

16 (Whereupon, the foregoing matter went off
17 the record at 11:05 a.m. and went back on the record
18 at 11:15 a.m.)

19 ACTING CHAIRMAN KATZ: Why don't we go
20 ahead then and address other questions to Dr. Ball
21 based on her presentation, if everybody could bring
22 their conversations to a close and have a seat, so we
23 can free ourselves of any unnecessary distractions.

24 I did have a number of people on our list
25 to ask questions. If anybody feels that, in the

1 interest of time, their questions have already been
2 adequately addressed, please feel free to pass your
3 time on to the next person. Dr. Portenoy, you were
4 first.

5 DR. PORTENOY: Just very quick: You know,
6 we are concerned about the definitions applied to
7 abuse and diversion -- abuse and addiction, when
8 patients with pain receive opioids for legitimate
9 medical purposes. I notice that the data are
10 abstracted based on a diagnosis of dependence or
11 psychic effects.

12 In common clinical experience, dependence
13 is often used in a way that doesn't seem really linked
14 to the diagnosis of addiction in chronic pain
15 patients. So the question is who is doing the
16 abstraction? Is there any sort of training in the
17 abstraction of the DAWN data that relates to this
18 definitional issue when controlled prescription drugs
19 are given for legitimate medical purposes? Is that
20 one of the things that's going to happen in the next
21 five years?

22 DR. BALL: The people who abstract
23 information from DAWN are sometimes health care
24 professionals, sometimes health care paraprofessionals
25 in hospitals.

1 There is training currently done, and
2 there has been for a long time, but with the redesign
3 of DAWN, we'll be changing the case definition. There
4 will be much more intensive training of reporters than
5 we currently have.

6 Taking away this requirement to find
7 evidence of abuse in the record is actually one of the
8 changes we have planned for the case definition,
9 because we don't know what we are missing that simply
10 doesn't have that kind of documentation.

11 ACTING CHAIRMAN KATZ: Dr. Max, you had an
12 opportunity to ask a question.

13 DR. MAX: Yes. Have you tried correcting
14 the increases in Oxycodone or hydrocodone over the past
15 couple of years for the number of doses dispensed from
16 a country?

17 DR. BALL: I have not. I don't have
18 access to the dose information, but I think that is
19 probably something that FDA not only has access to but
20 can do and probably does.

21 ACTING CHAIRMAN KATZ: Dr. Parris was
22 next.

23 DR. PARRIS: Since DAWN is supposed to be
24 a surveillance tool, and given the fact that managed
25 care practices, as you alluded to, is changed, do you

1 think it would enhance the quality of your sample if
2 you were to include data received form walk-in
3 clinics, from clinics at schools, and from clinics in
4 factories and other large places where workers seek
5 health care assistance?

6 DR. BALL: There are certainly many
7 different sites where drug abuse cases might be picked
8 up, and there are many different surveys that try to
9 capture data from many of those. School surveys come
10 to mind, for example, as a way of getting information
11 about drug abuse among students.

12 Our field studies told us -- or the study
13 of design alternatives told us that going into other
14 settings of care and trying to collect data on similar
15 patients was not a proposition that was going to pay
16 off very well.

17 It's something, as the health care system
18 changes, that we will continue to monitor. There's no
19 intent in our redesign that the new DAWN is going to
20 be the same way for the next 30 years. As health care
21 changes, we will continue to try to make sure that we
22 are finding the patients in the places that they are
23 being treated.

24 The walk-in clinics and such are -- We did
25 case studies in four metropolitan areas, in addition

1 to reviewing the literature on this, and basically,
2 what we learned from those areas was that there are
3 these other settings, but they vary so much across
4 time and across place that trying to use them as a
5 stable source of data collection simply isn't feasible
6 at this time.

7 ACTING CHAIRMAN KATZ: Dr. Passik, you
8 were next.

9 DR. PASSIK: One of the, I think,
10 important pieces of data that it would be nice to have
11 would be whether or not, when a person shows up in an
12 emergency department with a prescription medication
13 that's led to that episode, whether or not that drug
14 was actually prescribed for that person and/or the
15 relationship of that person to the person to whom it
16 was prescribed.

17 I think a lot of times decisions and
18 statements get made about hydrocodone is the most
19 abused prescription opioid in the country, but it's
20 perhaps not by people to whom it's prescribed. When
21 you are concerned -- If you have concerns about
22 getting some information on the epidemiology of
23 prescription drug abuse by, for example, pain
24 patients, it would be important, I think, to try to
25 get that information, and not only about the patients

1 but also by the children, for example, of the patient.

2 So that, you know, what's the risk to everyone in the
3 household, for example, of someone who is being
4 described a drug for pain.

5 I think we have very little that we can
6 tell from these data about that particular aspect of
7 it.

8 DR. BALL: Source of the substance and
9 where legal prescription is one of the sources is
10 currently a data element in the DAWN system, and it's
11 a data element that we plan to be dropping, because we
12 mostly get missing data.

13 It's not the sort of information that's
14 well documented in medical records.

15 ACTING CHAIRMAN KATZ: Dr. McNicholas, you
16 have the last question for Dr. Ball.

17 DR. McNICHOLAS: Actually, I've got two
18 short questions. One of them is a follow-up on that
19 question, and that is: If a person has a legitimate
20 prescription for, for instance, hydromorphone, and
21 then abuses another drug, either antidepressants or
22 whatever, is there any distinguishing attribute in the
23 record or are both drugs simply mentioned as part of
24 the emergency room visit or the associated death?

25 DR. BALL: That's a really good question.

1 Right now it is possible that co-occurring substances
2 will be reported. So if somebody comes to the
3 emergency room for cocaine and they took three
4 aspirin, the aspirin might be reported as well.

5 It's one of the changes that we are
6 planning to make to DAWN, is to try to either
7 eliminate or at least differentiate substances that
8 were taken for therapeutic purposes versus those that
9 were not, because it is a limitation.

10 ACTING CHAIRMAN KATZ: Thank you, Dr.
11 Ball, for your presentation and for coming up after
12 you were done to answer a few extra questions.

13 What I would like to do now is to
14 introduce Dr. Deborah Leiderman. Are you around, Dr.
15 Leiderman? Yes, there you are -- who is the Director
16 of the Controlled Substance Staff at the FDA. Dr.
17 Leiderman will be speaking with us about FDA
18 assessment of abuse liability.

19 DR. LEIDERMAN: Good morning, Dr. Katz,
20 members of the Committee, members of the public. I
21 have the task of trying to keep you awake, because
22 this can seem to be a somewhat tedious and less maybe
23 intrinsically interesting topic.

24 This was brought to my attention when I
25 was reviewing my slides early this morning in the

1 kitchen, and my nine-year-old daughter decided to go
2 back to bed. So anyway, what I am going to do today
3 is to provide you, I hope, with a regulatory
4 background, regulatory context in which we actually do
5 our work, mostly prior to the drug approval process,
6 but sometimes afterwards.

7 The abuse potential assessment process is
8 actually mandated by two distinct acts or laws, both
9 the Federal Food, Drug and Cosmetic Act of 1938 and
10 the Controlled Substances Act of 1970. The FD&C Act
11 actually mandates that abuse liability be determined
12 during the new drug -- the drug development process
13 and actually addressed in the New Drug Application.

14 Then, of course, a crucial part of the
15 labeling process, if it is pertinent, is to describe
16 abuse and dependence potential.

17 Then, of course, the Controlled Substances
18 Act mandates, if appropriate, that a drug be placed
19 into a schedule.

20 In the NDA requirement, the clinical
21 section, actually delineates what must be included in
22 the submission. Probably members of the industry who
23 are here are quite familiar with this. It specifies
24 that all data pertinent to the abuse of a drug must be
25 included, as well as data relevant to overdose, and

1 then a proposal for scheduling under the Controlled
2 Substances Act at the time the New Drug Application is
3 submitted.

4 The Controlled Substances Act is mostly
5 the authorizing act for the Drug Enforcement
6 Administration, and you will be hearing from the DEA a
7 little later today. But it also provides a small but,
8 hopefully, we think, important role for the Department
9 of Health and Human Services.

10 It actually specifies Health and Human
11 Services. In fact, this responsibility has been
12 further delegated to the FDA and to specifically our
13 group.

14 This requires that we perform a scientific
15 review of data on a new drug or substance. It
16 basically establishes the legal procedures on which
17 the DEA does everything, but again specifically for
18 how HHS, our group, interacts with the DEA.

19 It also specifies the five classes of
20 control, which most of you are familiar with. It's
21 schedules, Class I substances, for example, heroin,
22 LSD, marijuana. Class I substances are most
23 restrictive -- is the most restrictive class, and
24 those are the substances that have no medical use.

25 Examples of Class II include substances --

1 include the substances cocaine, morphine, opium,
2 oxycodone. These are substances that have the highest
3 potential for abuse, but have medically approved use.

4 The CSA addresses several classes of
5 drugs. Very specifically, I know the concern today,
6 the focus of this meeting, is primarily the opioids,
7 but in fact the Controlled Substances Act does
8 schedule central nervous system depressants, other
9 central nervous system depressants, CNS stimulants,
10 hallucinogens, cannabinoids and then, most recently,
11 anabolic steroids as well.

12 The Controlled Substances mandate for the
13 Health and Human Services Department reads as follows,
14 and you can all read this, but it basically requires
15 that the Secretary for Health and Human Services
16 notify the Drug Enforcement Administration if a drug
17 having a stimulant, depressant or hallucinogenic
18 effect on the central nervous system, has abuse
19 potential and is being reviewed in a New Drug
20 Application. The Attorney General must be notified.

21 Again, that responsibility is delegated to
22 the Food and Drug Administration.

23 So how actually do we go about scheduling
24 drugs? At the FDA we perform the scientific
25 assessment and recommend an initial schedule or a

1 scheduling change to the DEA. All scheduling is done
2 by the Drug Enforcement Administration.

3 They schedule drugs through a rulemaking
4 process, again complex, and they can describe it in
5 more detail for those of you who are interested.
6 Schedule changes can be initiated by the DEA itself,
7 by the FDA, by Congress, and by any citizen or sponsor
8 through a petition process.

9 I'd just like to mention that there are
10 international treaties that address this, and we must
11 comply with those as signatories, but again that is a
12 whole separate topic. But it is something that we
13 must bear in mind.

14 Again, the levels of drug control that are
15 specified under the Controlled Substances Act, just to
16 go into this in somewhat more detail for those of you
17 who may not be familiar with it: Schedule I
18 substances are not approved for medical use in the
19 United States. They may be in other countries.

20 They have the highest abuse potential. So
21 this is the most restrictive class. Special DEA
22 licenses are required for any research.

23 Schedules II through V: All drugs placed
24 into these schedules have some medical -- approved
25 medical use in the United States, and they have

1 diminishing but present physical or psychological
2 dependence liability.

3 The abuse liability assessment that we do
4 and that we ask sponsors of New Drug Applications to
5 do is really something that should be interwoven
6 through the drug development process, and really
7 begins in the pre-IND stage, at least ideally, and
8 hopefully, continues throughout the IND, New Drug
9 Application as well as the post-approval phase.

10 All data must be evaluated. We look at
11 and we anticipate that sponsors will provide and
12 analyze all potentially relevant data, including the
13 chemistry, animal and human pharmacology,
14 pharmacokinetics, pharmacodynamics, as well as the
15 adverse events reported in clinical trials or
16 subsequent to approval.

17 If appropriate, a new drug should be
18 compared to a pharmacologically similar substance.

19 In evaluating abuse potential, obviously,
20 chemical structure may be very critical.
21 Pharmaceutical characteristics, including such things
22 as ease of synthesis, extractability, solubility, are
23 also critical elements; and, of course, the central
24 nervous system pharmacology, receptor binding
25 characteristics, behavioral effects.

1 Again, the FD&C Act requires that an
2 actual abuse liability package, if relevant, be
3 submitted. This package should include all these
4 elements and address the pharmacology, preclinical and
5 human, clinical trial data, and again make a proposal
6 for scheduling under the Controlled Substances Act.

7 To expand a little bit on what we mean in
8 the pharmacological arena, in the preclinical phase we
9 look at full neuropharmacological characterization,
10 binding studies, animal behavioral studies that are at
11 least, hopefully, sometimes valuable models for
12 predicting human behavior: Reinforcing effects, self-
13 administration kinds of models; discriminative
14 effectives; and of course, we look as well at any
15 physical dependence evidence in animals, and
16 tolerance.

17 Then, similarly, in the human arena we can
18 actually ask humans about their subjective effects,
19 drug liking measures. We can look at toxicity and
20 performance impairment, and again tolerance and
21 physical dependence data.

22 The Controlled Substances Act actually
23 specifies a so called eight-factor analysis. These
24 are delineated here, but basically again it requires
25 all the scientific data that I have described, as well

1 as pertinent history, data from other countries,
2 public health risks, psychic or physiological
3 dependence liability, and then some clinical data if a
4 new drug is a precursor of a substance that may
5 already be controlled.

6 These eight factors are then relied upon
7 in determining the appropriate schedule. Scheduling
8 criteria that the Act delineates for Class II through
9 V drugs are, of course, the approved medical use, then
10 relative potential for abuse, and dependence
11 liability.

12 FDA and DEA both have roles under the
13 Controlled Substances Act. To recap, the Food and
14 Drug Administration's role is limited to the
15 assessment of abuse potential, which we really regard
16 as another kind of risk assessment, in many ways not
17 that different from other kinds of drug risks, whether
18 it is hepatotoxicity, cardiotoxicity.

19 These risks need to be labeled, just as
20 other risks do. Abuse and dependence risks are
21 required to be in the label. FDA does not have any
22 role for control at the level of the prescriber,
23 dispenser or patient under the Controlled Substances
24 Act, under the scheduling process.

25 The Drug Enforcement Administration, whose

1 Act this primarily is, licenses manufacturers, sets
2 quotas, licenses prescribers, and of course, does the
3 law enforcement.

4 Kind of to sum up, I think what we want to
5 convey today is that abuse liability assessment is a
6 very complex composite. It's based upon a lot of
7 different kinds of data: Chemistry, pharmacology,
8 clinical data, public health risks, both in a target
9 and in a general population.

10 Abuse or dependence potential is another
11 risk that needs to be managed. Labeling and drug
12 scheduling alone have limited impact on these risks.
13 Thank you very much.

14 ACTING CHAIRMAN KATZ: Thank you, Dr.
15 Leiderman. I hope you can stay up there for a couple
16 of questions. Dr. Schuster, please.

17 DR. SCHUSTER: Dr. Leiderman, we have had
18 a lot of discussion in the past couple of days about
19 the issue of iatrogenic dependence. I think it's of
20 some relevance to note that in abuse liability
21 testing, we generally choose active drug abusers or
22 individuals who are highly vulnerable to abuse to
23 assess the abuse liability of a new compound, as
24 opposed to the patient population for which this
25 medication is indicated. Am I not correct about that?

1 I think it's important for this Committee
2 to understand that.

3 DR. LEIDERMAN: Dr. Schuster, I think you
4 can better address that as an active researcher in the
5 field, but yes, that is what is typically done.

6 DR. SCHUSTER: I simply point out that
7 many times when we do studies of abuse liability, we
8 use what we call polydrug abusers, not individuals who
9 are dependent, and the answer that we get there where
10 all of them say they like this drug and they are going
11 to actively -- if it was available, they would
12 actively abuse it, does not necessarily mean that the
13 patient population for which it is going to be
14 prescribed is at the same level of risk. That's all I
15 wanted to point out.

16 DR. LEIDERMAN: Yes. I think Dr. Schuster
17 is highlighting one of the very important issues in
18 this whole field in trying to tease this out. But, of
19 course, patients who have any disease, whether it's
20 diabetes or chronic pain, may in fact have potentially
21 the same risk for the, you know, neurobiological
22 disease of substance dependence as any of the rest of
23 us. Knowing that in advance can be complex.

24 ACTING CHAIRMAN KATZ: Dr. Reidenburg.

25 DR. REIDENBURG: I'm unaware of any

1 practical difference between something in Schedule III
2 or Schedule IV for the drugs I prescribe. I don't
3 even know which level they are.

4 Is there a practical difference or why do
5 we keep these many different schedule numbers?

6 DR. LEIDERMAN: Well, again I probably
7 should defer to my DEA colleagues, but I would agree
8 with you for the practicing physician there is very
9 little -- and the patient -- there is very little
10 distinction between a III and a IV drug.

11 For example, you can have refills under a
12 Schedule III or IV drug. There are no refills
13 permitted for Class II drugs. Again, a whole 'nother
14 area, but states also regulate these substances, and
15 may regulate them more restrictively than the Federal
16 regs do. So that again state laws may distinguish
17 more between Class III and IV drugs practically than
18 does Federal law.

19 ACTING CHAIRMAN KATZ: I have a question
20 myself, since nobody else seems to be in line right
21 now.

22 It seems to me, on reviewing the wealth of
23 data that the FDA requires to make its abuse liability
24 risk management assessment, that all of the data that
25 are required or requested are all surrogate measures

1 for what we are all interested in, which is to what
2 degree is the drug actually abused in the target
3 population to whom it's prescribed or in individuals
4 to whom it is diverted.

5 So it didn't seem to me, in reviewing the
6 data that's requested or required, that data from the
7 actual individuals to whom it is prescribed to look at
8 the degree to which the drug is abused appears there.

9 So if that's correct, and we are all
10 really looking just at surrogate measures, it seems
11 like there are two obvious consequences of that, the
12 first one being that we never really know, based on
13 the information that you listed, what we are really
14 interested in.

15 Secondly, we never have any information
16 about what the validity is of any of those surrogate
17 measures for predicting abuse or addiction or what
18 have you in the real life setting.

19 So to me, I have that reaction, and I
20 wonder if you could respond to that.

21 DR. LEIDERMAN: Well, in fact, perhaps I
22 didn't make this clear enough. Clinical trial data
23 are relied upon as well, but you are quite right that
24 they don't usually set out to assess misuse of drugs.

25 But in fact, this should be looked for, when

1 appropriate, and we do ask that that be done.

2 Of course, what you are highlighting is
3 that clinical trial populations are by definition
4 fairly narrow and homogeneous, and do not represent
5 the population as a whole. That's why again for many
6 adverse events we really don't see problems until they
7 are in a more heterogeneous population. So that
8 includes all kinds of concomitant, you know, diseases
9 and drug interactions and again not restricted to the
10 abuse and dependence arena.

11 ACTING CHAIRMAN KATZ: Thank you very
12 much. Dr. Parris?

13 DR. PARRIS: Dr. Leiderman, this may not
14 necessarily be your purview. It may be more a
15 question for the DEA, but I will still go ahead and
16 ask it.

17 Since you have international treaties, I
18 guess, with other countries, do you have a handle on
19 whether the diversion or the abuse problem -- to what
20 extent it exists in other countries?

21 DR. LEIDERMAN: I really can't comment on
22 that very specifically. I can say generally that
23 reliable data are very hard to come by, and that the
24 United States is regarded as having sort of one of the
25 better and sort of most systematic systems for

1 acquiring these kinds of data and, obviously, ours is
2 not optimal.

3 ACTING CHAIRMAN KATZ: Did anybody around
4 the table want to address Dr. Parris' question about
5 relative rates of prescription opioid abuse in
6 different countries in terms of what's known about
7 that? Dr. Foley?

8 DR. FOLEY: The International Narcotics
9 Control Board has been working with the World Health
10 Organization to try to address those issues, and
11 obviously has a high rate of concern related to it.
12 But one of the best studies, at least looking at
13 opioids, comes out of India recently where, with the
14 change in the opiate laws within the country and with
15 really detailed studies, they have been able to show
16 the availability of oral morphine in a large both
17 rural and urban population, and demonstrate that there
18 was no further diversion of that into a public
19 perspective. That is now being looked at as a model.

20 Uganda, in the setting of an AIDS
21 epidemic, is now embarked on looking at that, and at
22 least preliminary data suggests that there is no
23 diversion into a general population.

24 Not to suggest that this is not a very
25 important issue, but at least the WHO and the

1 International Narcotics Control Board are trying to
2 advance the availability of analgesics and study this
3 at the same time.

4 ACTING CHAIRMAN KATZ: Great. Thank you.

5 Dr. Passik, a question?

6 DR. PASSIK: I just wanted to highlight
7 what I think, you know, is a disconnect, just like
8 what you were saying before, Nat, that when you don't
9 look at the population to whom the drug is intended --
10 I mean, I think, especially when you start looking at
11 things like drug likability, I mean, amongst people
12 who are perhaps genetically or otherwise predisposed
13 to like a drug in a different way than the rest of the
14 population, but also to highlight the limits of the
15 conclusions you can draw from that.

16 My reading of the literature on whether
17 opioid abusers can tell mu agonists apart is that they
18 basically can't. So, you know, all the drugs -- all
19 mu agonists, for the most part, are sort of the same
20 from that point of view, and yet we know that drug
21 abuse and the kinds of behaviors that we're really
22 interested in in the target populations -- that is,
23 people that are going to be prescribed these things --
24 has very little to do with that, really.

25 I think what we really need, you know, is

1 longer term looks at this in the populations to whom
2 the drugs are prescribed, and actually look at their
3 behavior with these agents, which I think is going to
4 be vastly different.

5 ACTING CHAIRMAN KATZ: Dr. Foley?

6 DR. FOLEY: In the studies that Ray Hoode
7 did over a period of about 30 or 40 years at Memorial
8 in both acute cancer pain patients and in chronic pain
9 patients, what became very apparent in their data was
10 that up to 85 percent of patients were dysphoric on
11 their first dose of their opioid, and in the chronic
12 studies remained dysphoric for a period of time.

13 So I think that there is clear clinical
14 studies that have addressed that, which is different
15 than those that have looked at the abuse liability
16 issue. And I think there's a need for further studies
17 there.

18 DR. LEIDERMAN; Dr. Katz, can I make a
19 comment? Thank you. Just a couple of points.

20 I want to emphasize that it is the FDA's
21 mandate, however, to consider the public health. So
22 that it is not only the target patient populations who
23 must be considered. That's very clear under the
24 Controlled Substances Act but also under other FDA --
25 under FDA regulations.

1 As we know, again leaving the whole drug
2 abuse arena to quote from many comments by our Center
3 Director, Dr. Woodcock, most of the problems we've
4 seen, serious adverse events with drugs that have
5 resulted in severe restrictions and in drug
6 withdrawals have mostly been seen when there is
7 inappropriate prescribing, labels in fact are not
8 regarded and complied with, and the reality is again
9 that all drugs, not just CNS active drugs, will in
10 fact be used in broader groups than just the narrowly
11 defined targeted clinical population described in the
12 label. That is the public health reality that we all
13 have to grapple with.

14 ACTING CHAIRMAN KATZ: Thank you. Dr.
15 Schuster.

16 DR. SCHUSTER: In recent years some
17 pharmaceutical companies have approached the Food and
18 Drug Administration with a notion that perhaps if they
19 were willing to do post-marketing surveillance
20 studies, that they might be able to either have the
21 level of scheduling changed for their compound if it
22 were found to be not actually abused when it is
23 dispensed into the general population.

24 So there are at least the beginnings of
25 some post-marketing surveillance studies that I

1 personally think we should be emphasizing, because it
2 will allow us to determine whether or not our
3 preclinical predictors are in fact really predictive.

4 That's my interest in it and why I've
5 gotten involved in post-marketing surveillance
6 studies, because for 35 years I've been doing abuse
7 liability studies in animals and humans, and I don't
8 want to wait 20 years until we happen to find it out
9 by some of the other means.

10 It is far more, I think, efficient if we
11 do post-marketing surveillance studies, and I know
12 that Dr. Leiderman is aware of these.

13 DR. LEIDERMAN: Well, more than that, we
14 absolutely support them and, in fact, as will be
15 discussed later on, sometimes mandate them in approval
16 agreements. So --

17 ACTING CHAIRMAN KATZ: Dr. Parris, the
18 last question for Dr. Leiderman.

19 DR. PARRIS: Following up on a comment Dr.
20 Passik made about patients being aware of individual
21 new receptors. I bring this up with some humility
22 because there is an unofficial perception that, if a
23 patient would have come to the clinic and would state
24 I cannot take morphine, I cannot take codeine, I can
25 only take Demerol, then that patient has a problem.

1 Do they have a problem? I do not know,
2 but I would be inclined to believe. I ask this with
3 specific reference to the point that 20 years ago, if
4 a patient with RSD, so called diagnosed RSD of the
5 arm, would say, hey, it spread to the other arm or to
6 the leg, I'd say that's nonsense. But we know that's
7 not correct today. But at that time that was the
8 state of our knowledge.

9 So I'm asking that question, which I don't
10 know if you would answer, but in the light of what is
11 the state of our knowledge regarding those opiate
12 receptors in the patient's presentation or expression
13 of a preference for a particular drug?

14 ACTING CHAIRMAN KATZ: Steve, did you want
15 to address that?

16 DR. PASSIK: Yes. I just wanted to say, I
17 was talking specifically about being able to tell the
18 drugs apart for abuse, and I certainly would be
19 inclined to believe the patient in most of those
20 instances -- many of those instances, at least, give
21 them the benefit of the doubt when they say that they
22 really do differentially respond.

23 I think we are just, as you know, now
24 beginning to have some basic science, Gave Pasternak's
25 work, where we're finally starting to get a little bit

1 of a handle on what has seemed to be a kind of random
2 thing out there, the way people idiosyncratically
3 respond to the drugs for pain control.

4 I was talking about specifically being
5 able to tell the mu agonists apart from the point of
6 view of euphoria and likability, and I agree with what
7 Kathy said, although I am aware of some recent data
8 that really does need to be replicated by Jim Zacny
9 from the University of Chicago which actually showed
10 for the first time the only mu agonist that you can
11 give to a healthy population where the majority of the
12 patients will report a euphoric feeling in the
13 beginning as opposed to the dysphoria is oxycodone,
14 but it's not been replicated.

15 ACTING CHAIRMAN KATZ: Thank you. Dr.
16 Leiderman, thank you very much for your presentation.

17 I would like to now introduce Howard
18 Davis. Are you here, Howard Davis? Yes, thanks. He
19 is the Chief of the Domestic Drug Unit at the Office
20 of Diversion and Control of the DEA.

21 MR. DAVIS: Good morning, and thank you
22 for the opportunity to be here to speak before your
23 prestigious -- Can you hear me now? Is that better?
24 Good morning. I hear myself now, but okay.

25 Let me start over. Good morning, and

1 thank you for the opportunity to be speak before your
2 prestigious Committee this morning. I'm quite honored
3 to be here and spend a few minutes with you.

4 I am Howard Davis, as Dr. Katz said. I'm
5 the Chief of the Domestic Drug Unit, Drug Operations
6 Section, Office of Diversion and Control, and the
7 first question that you might have, well, that's real
8 nice, but what does it mean?

9 So let me just say very quickly to set
10 some kind of a boundary that DEA -- this is a bit of
11 an oversimplification, but DEA basically has two
12 investigative entities, the agents that deal with the
13 criminal investigations of illicit drugs -- talking
14 about heroin, crack cocaine, methamphetamine, that
15 kind of thing -- and the investigators, diversion
16 investigators, of which I am one, that deal
17 exclusively with the diversion of pharmaceutical
18 controlled substances that are diverted into the
19 illicit marketplace.

20 With that, I also need to put a disclaimer
21 out first thing, that I am in -- As my job title
22 suggests, I'm involved with diversion investigations,
23 enforcement activities of pharmaceutical controlled
24 substances, and across the board conversations that
25 I've heard this morning from the other distinguished

1 speakers and public officials.

2 I may not have specific expertise over
3 some of the questions that you may be interested as
4 far as registration issues and policy and liaison
5 issues, drug and chemical evaluation issues, those
6 kind of things. I mean, I was invited to speak about
7 diversion criminal investigations where my expertise
8 lies, and I'm pleased to share some of these things
9 with you today.

10 So with that, let me start off in saying
11 opiate -- opioid analgesics generally fall into six
12 broad categories. As Dr. Haddox's presentation
13 indicated in his introduction this morning, I'll first
14 talk about doctor shopping.

15 It's an individual or a group of
16 individuals that go to several doctors until they get
17 the drugs that they are seeking. Now it's very
18 important to differentiate that I'm not talking about
19 doctor shopping being a situation where an individual
20 would go to several doctors looking for a specific
21 treatment, and they have to go to another doctor and
22 they have to go to another doctor to receive that
23 treatment. That's not doctor shopping in the context
24 that I refer.

25 I'm talking about individuals that in a

1 short period of time receive controlled substances
2 from many different practitioners without the other
3 practitioners knowing the same individual is going to
4 the other practitioners, receive controlled substances
5 to satisfy their personal addiction and/or for the
6 purpose of diversion, to make the controlled
7 substances available to others on the street.

8 There was one specific example that I
9 thought was rather interesting where the head of a
10 criminal organization recruited people, other
11 individuals on the street, to go to various
12 physicians, told them who to see, what to say, and to
13 obtain the drugs of choice. In this particular case,
14 the drugs of choice happened to be various Schedule II
15 and III opioid analgesics.

16 This prescription -- This doctor shopping
17 ring consisted of approximately two dozen individuals.

18 There was quite a bit of activity on a daily basis.
19 We launched an investigation -- The DEA diversion
20 investigations, with the special agents launched a
21 diversion investigation which led to the disruption of
22 the doctor shopping ring, and the end of a large money
23 making operation and, as many of you may have heard at
24 one time or another, significant seizures as a result
25 which were obtained through drug proceeds.

1 Another source of diversion activity is
2 prescription drug rings, similar to doctor shoppers,
3 but they often bypass doctors and go directly to
4 pharmacies. A recent investigation involved a forgery
5 scheme where prescriptions which appeared to be
6 legitimate -- they were produced with a computer on a
7 scanner -- were manufactured and bore the false name
8 and address of a physician. It was just made up.

9 The phone number referenced on the
10 prescription was actually connected to a cellular
11 telephone answered by a member of the prescription
12 drug ring. They would answer the phone like a medical
13 receptionist in a doctor's office and verify the
14 prescription in question to be legitimate, and then
15 the other -- another individual would go into the
16 pharmacy and obtain the controlled substances of
17 choice.

18 Again, the ring recruited people. They
19 exchanged for pills, cash and other services, and
20 before being caught, this particular ring obtained
21 approximately 3,000 opiate analgesics per month. So
22 it can be very profitable, if that's the intended
23 motive of the target.

24 Employee thefts can happen anywhere that
25 controlled substances are maintained. Registrants at

1 the wholesale and retail level, for example,
2 manufacturers, distributors, pharmacies, doctors'
3 offices, which is basically why, as Dr. Leiderman just
4 indicated in another context -- why Federal laws and
5 regulations are in place, to protect controlled
6 substances, restrict record keeping and security
7 provisions.

8 Institutional settings, hospitals, nursing
9 homes are other primary examples where employee thefts
10 routinely occur.

11 Thefts, in general: Cases have been
12 reported where -- again, a broad range -- where there
13 have been many individual instances. Cases have been
14 reported where real estate agents -- real estate
15 customers go into people's houses under the guise of -
16 - you know, you've seen the thing, want to buy the
17 property, and steal controlled substances out of the
18 homes of people's medicines cabinets, unbeknownst to
19 anyone.

20 In a recent case we had a wife of a man
21 who was dying with cancer convicted for diverting her
22 husband's pain medication. Even more straightforward,
23 kind of interesting case, I think, an armed individual
24 with his face masked entered a pharmacy with a
25 shotgun, fired the shotgun into the ceiling to

1 announce his intent, and demanded the opiate analgesic
2 controlled substances maintained by the pharmacy. He
3 happened to be caught, because the pharmacist
4 recognized the voice of the robber as a recent
5 previous customer, and it was a very quickly resolved
6 case that ended in his arrest and conviction.

7 In-transit thefts is growing in popularity
8 as a means to obtain a large amount of controlled
9 substances without going to a DEA registrant at all.
10 It typically involves the transfer of controlled --
11 It's typically done through the transfer of controlled
12 substances from the wholesale level to the retail.
13 You know, for example, hospitals, for example, who are
14 large purchasers.

15 A recent conspiracy case where every time
16 a certain substitute driver was called from this
17 particular trucking company, the substitute driver was
18 called in by the dispatcher at the trucking company
19 who worked in concert with each other.

20 The dispatcher had inside knowledge of
21 this particular shipment contained a large amount of
22 controlled substances. The dispatcher called in the
23 substitute driver, and unfortunately, situations like
24 this take a certain period of time before we recognize
25 a trend, before we have inside information that this

1 is the scheme.

2 In 20-20 hindsight, you look at an example
3 like this perhaps and say, well, why would that be so
4 difficult to investigate and conclude. But long term
5 investigations of this type typically take a certain
6 period of time to gather all the information and come
7 up with a reasonable conclusion.

8 Other standard routine forms of diversion
9 include illegal sales. A typical example is a
10 pharmacy that sells out the back door for high mark-up
11 profit. Can be as much as ten times or more retail
12 value.

13 We had a pharmacy recently who sold twice
14 the combination of other all other pharmacies in the
15 same area combined of a particular product, which led
16 to an in depth investigation, and in the end the
17 target of the investigation justified his own action
18 in his own mind by saying, if he didn't make the sale
19 of controlled substances, someone else would, and he
20 might as well make the money. These are the kind of
21 people that we are dealing with on a daily basis.

22 Then finally, as a major source but to a
23 lesser extent than the other ones that I just
24 mentioned is inappropriate prescribing by a medical
25 professional. In all fairness, I have to tell you up

1 front that it's a very small number of cases overall.

2 The DEA registrant population of
3 practitioners is approximately today approximately
4 925,000 individuals. One-one hundredth of one percent
5 of these practitioners are arrested as a result of
6 drug related charges through a DEA investigation. In
7 fact, in the year 2001, I believe, the number was 79.

8 One representative example: An individual
9 would call this doctor at his -- He didn't have an
10 office, but he had a phone number. The doctor would
11 meet the, quote "patient" unquote in his car in a
12 parking lot and ask what do you need.

13 The patient would name the drug, and the
14 doctor wrote the prescription for \$100. If you wanted
15 a second prescription, that would be another \$100, and
16 if you wanted a prescription in someone else's name
17 for yet another drug, it would be another \$100. So it
18 just continued, and it was also a fairly
19 straightforward case.

20 Also, an inappropriate prescribing, we had
21 a patient who would ask for prescriptions by standing
22 in line, waiting in line for literally hours. It
23 could be up to ten and 12 hours you wait in line to
24 see this doctor who would see 300-500 patients a day
25 and work until he had seen everyone. So it could be

1 two, three, four o'clock in the morning before he
2 would be finished, and a similar situation.

3 You would name the drug of choice you
4 want. The doctor wrote the prescription for \$50 cash.

5 There would be no medical history, no physical
6 examination, no treatment of any kind. Said here's my
7 money; here's what I want. The prescription was
8 issued. In and out of the door -- or in and out of
9 the room with the doctor in just a matter of seconds.

10 After a case is closed and action taken
11 against the target, they all sound pretty
12 straightforward, as some of the representative
13 examples I just described. That's not often the case
14 during the course of the investigation as we are
15 dealing with people that have a lot to lose. When a
16 fair amount of income is coming in, they have a lot to
17 lose when it all stops.

18 As far as investigative leads, where do we
19 get our information, and how does the information
20 translate into an investigation? Referrals to and
21 from state and local law enforcement and regulatory
22 agencies occur on a daily basis formally and
23 informally.

24 As such, statistics are not always
25 maintained on every conversation that occurs between

1 investigators, either at the Federal and/or state
2 and/or local level.

3 To that end, some states have state run
4 diversion investigation units. The Drug Enforcement
5 Administration has tactical diversion squads where
6 diversion investigators team up with state and local
7 law enforcement officers to conduct diversion
8 investigations of retail level diversion, the doctor
9 shoppers, the prescription ring people, typically non-
10 registrant type investigations that would otherwise go
11 unnoticed, if you will.

12 Intelligence information is also received
13 from complaints from the public. Someone in a
14 subdivision may notice activity in their neighborhood
15 that they find suspicious. They report it to the DEA
16 or local law enforcement authority.

17 Another source: Patients and individuals
18 themselves that are perhaps disgruntled because they
19 didn't like the way they were treated by a pharmacy or
20 by a physician, and they want to get even.

21 Relatives, unhappy that their loved ones
22 are getting controlled substances that they receive on
23 a regular basis and are questioning why this person is
24 always in a less than coherent state.

25 Medical professionals themselves often

1 provide us invaluable information. For instance,
2 suspecting approach by a doctor shopper or
3 prescription ring, a pharmacist or a physician calls
4 the DEA on a regular basis somewhere around the
5 country with information that starts us to suspect a
6 specific problem.

7 Other registrants: Pharmacists, hospitals
8 needing help finding a suspect to a problem that they
9 are having in their particular setting, whether it's
10 again a prescription ring, a doctor shopper, employee
11 theft, whatever the situation may be.

12 We also use excess purchase reports. DEA
13 registrants, especially at the wholesale level, are
14 required to notify the DEA of suspicious or excessive
15 purchases. That is, whether large orders are being
16 placed all of a sudden that are uncommon by that
17 particular registrant or orders are placed more and
18 more frequently in a shorter period of time can raise
19 a red flag that something out of the usual is
20 occurring.

21 Registrants are also required to report
22 thefts and significant losses of controlled substances
23 at anytime that they may occur.

24 We also have an automated system,
25 automated computer system called ARCOS, A-R-C-O-S.

1 It's the Automation of Records and Consolidated Orders
2 Systems. What this does is tracks the distribution of
3 all transactions involving Schedule II controlled
4 substances and of all opiate analgesics in Schedule
5 III.

6 It's a great intelligence tool for trend
7 analysis. If we have a -- receiving a lot of
8 information on one specific individual or area based
9 on the examples that I just gave, you go into this
10 ARCOS computer system that we maintain internally and
11 find that this particular target is the number one
12 purchaser of a certain drug in a certain area in a
13 certain time period, which is yet another reason why
14 we should initiate a Federal investigation, a criminal
15 investigation or an administrative investigation
16 against this particular person or business.

17 DEA order forms: Basically, it's a three-
18 part form that any DEA registrant is required to use
19 to order a Schedule II pharmaceutical controlled
20 substance, and DEA receives a copy of one of the three
21 parts of that form. That's also a good intelligence
22 tool.

23 It's important to point out also as a
24 caveat that none of the individual items I referenced
25 as intelligence tools are, in and of themselves,

1 uniquely authoritative. They are just indicators.

2 If a registrant -- for instance, a
3 pharmacy -- is close to an oncologist or a major
4 clinic, then obviously they are going to have higher
5 transactions with a particular opiate analgesic, for
6 example, than a pharmacist that is located in a rural
7 setting.

8 So all those things have to be taken into
9 consideration. We just don't take one piece of
10 information and say, oh, that looks good, and rush out
11 and try to see if there is inappropriate activity. We
12 don't have the resources for that. We take a
13 combination of all these factors and, once it appears
14 to be apparent that we have a problem, we will
15 initiate an investigation.

16 Last year approximately 850 investigations
17 were initiated by DEA diversion investigators. Of
18 that figure, only three-quarters resulted in some type
19 of action being taken. Some kind of action can be as
20 simple as a letter of admonition where DEA notifies
21 the registrant that a recordkeeping -- something of
22 the recordkeeping provisions may be lacking, and ask
23 for voluntary cooperation in resolving that issue, and
24 that ends the whole matter, and the case is closed.

25 Administrative hearings can also be held.

1 In the most egregious situations the facts of the
2 case may be referred to a prosecutor who takes the
3 case from there and decides if it's worthy of
4 additional judicial action. At that time, it's out of
5 DEA's hands other than we are the fact gatherers. The
6 judicial process would take over as the lead in the
7 ultimate outcome of that particular investigation.

8 Ultimately, DEA and other law enforcement
9 and regulatory agencies rely on invaluable
10 communication from other agencies, departments,
11 registrants, and the general public for indications of
12 a problem in a particular area. Like I said, one
13 complaint does not -- is not the basis for an
14 investigation.

15 Finally, as Dr. Haddox mentioned himself
16 earlier this morning, it's extremely important to
17 point out, I believe, based on the comments I heard
18 from the public first thing this morning, that on
19 October 23, 2001 DEA's Administrator Asa Hutchinson
20 joined 21 of the nation's leading pain and health
21 organizations to call for a balance to protect the
22 appropriate use of opiate analgesics while preventing
23 abuse and diversion of the drugs.

24 At the DEA, no attempts are now or have
25 ever been made to prevent practitioners acting in the

1 usual course of professional practice from prescribing
2 medications, including opiate analgesics, for patients
3 with legitimate medical needs.

4 Federal law and regulation, as a footnote,
5 do not attempt to define legitimate medical need, nor
6 do they set standards as to what constitutes the usual
7 course of professional practice. The DEA relies on
8 the medical community to make these determinations.

9 For information that -- For more specific
10 information on this specific topic that you might
11 have, DEA has an Internet website. It's
12 222.deadiversion.usdoj.gov which contains a broad -- a
13 potpourri of all types of information that may satisfy
14 most of the questions that you may have this morning.

15
16 Thank you for your attention. I'd be glad
17 -- look forward to any comments or questions that you
18 might have.

19 ACTING CHAIRMAN KATZ: Thank you, Mr.
20 Davis, for a very interesting presentation. In view
21 of the fact that we are substantially behind schedule,
22 I'll just limit this to one question, if anybody wants
23 to be the one. Oh, sorry, Dr. Reidenburg already
24 volunteered. Go ahead, please.

25 DR. REIDENBURG: It's clear from your

1 presentation and from Dr. Levy's yesterday that our
2 perception of risk of having our practice interfered
3 with is grossly exaggerated compared to the realities
4 of the regulatory agencies.

5 Has the DEA thought about ways to help
6 bring the perceptions of us doctors more into line
7 with the reality of the kind of people you are really
8 prosecuting or going after?

9 MR. DAVIS: Indeed. That's the reason
10 that we look forward to opportunities like this to
11 present this information in person and the reason that
12 we created the Internet website that contains even
13 more information, that anyone that is interested can
14 go to that site for more up to date information on a
15 broad range of topics.

16 ACTING CHAIRMAN KATZ: Thank you very
17 much.

18 MR. DAVIS: Thank you, sir.

19 ACTING CHAIRMAN KATZ: We'll move right
20 along into Dr. Chilcoat's presentation. Dr. Howard
21 Chilcoat from Johns Hopkins University will be
22 speaking with us about the epidemiology of
23 prescription drug abuse and implications for the
24 clinical setting.

25 DR. CHILCOAT: It's a great pleasure to be

1 here today, and I want to give basically an
2 epidemiologic overview of prescription drug misuse,
3 focusing on analgesics basically. I had given a talk
4 at the NIDA press conference when they announced their
5 initiative on prescription drug abuse research, and I
6 have to say that this is a relatively new area for me.

7 Most of my work has been in the area of illicit drug
8 use and dependence.

9 So when I was asked to give a talk for
10 NIDA, I basically went to my usual sources of
11 epidemiologic data, and I think, as has been pointed
12 out today, there's a lot of -- there's, obviously
13 going to a lot of limitations to the data that I'll be
14 presenting, I think. Hopefully, it can provide some
15 clues for where we need to go, and provide some basic
16 information about the use of analgesics drugs and the
17 -- or the misuse of analgesic drugs and extra-medical
18 use, as well as the problems developing related to
19 that use in the population.

20 Now one of the things that I want to do is
21 try to give a population base perspective. A lot of
22 what we've talked about -- obviously, you hear a lot
23 about anecdotal reports of the misuse of certain
24 drugs, and that there's also, obviously, press
25 reports, and certain data surveillance systems such

1 as DAWN are certainly useful as picking up kind of new
2 trends in drugs and emerging drugs, but there are
3 certain limitations that we've talked about earlier
4 today in terms of that.

5 Those cases may just sort of be the tip of
6 the iceberg and don't really pick up what's going on
7 in the population. So I hope to point out some of the
8 advantages of epidemiologic studies, population based
9 studies, but there are some tradeoffs in terms of some
10 limitations, and we have to think about the data in
11 the context of that.

12 Now one of the things I want to make
13 clear, that what I'm going to be talking about
14 throughout my talk today is extra-medical use. The
15 way it's asked about in the National Household survey
16 on Drug Abuse and other surveys is basically that --
17 it's when you use the drug when it was not prescribed
18 for you or that you took only for the experience or
19 feeling that it caused.

20 So I mean, this is a specific type of drug
21 with people using the drug on their own or could be
22 using more than prescribed, and all the examples that
23 I'll be talking about throughout this talk deal with
24 this particular type of drug use. So it's not
25 necessarily someone who uses the drug as prescribed

1 and develops withdrawal or tolerance.

2 Obviously, there's a variety of classes of
3 drugs. I'm going to focus on analgesics today, but
4 have some comparisons to some other classes, just for
5 reference.

6 The data that I'll be using: There's two
7 main sources. I'm using data from the National
8 Household Survey on Drug Abuse. At the time when I
9 originally did this talk, data from
10 '85 to '98 were available. Now the -- As I was
11 actually getting ready to send this talk off to the
12 meeting last week, we just got our hands on the 1999
13 data, and so I was able to incorporate some of those
14 results in today's talk.

15 The National Household Survey is a
16 representative sample of the U.S. household
17 population, and now includes all 50 states . It picks
18 up people that are 12 years of age or older, and the
19 sample size has grown over the years. Originally it
20 was about 5,000 people. Up through '98 it was in the
21 20-30,000, and starting in '99 there was a much larger
22 sample with about 55,000 people interviewed.

23 Another dataset that I'll be talking about
24 is the National Comorbidity Study. Now this data --
25 These data were collected about ten years ago. So

1 there's some problems in terms of it being current.
2 However, it is one of the sort of major sources when
3 we talk about drug dependence as a diagnostic entity,
4 and we want to look at other psychiatric disorders
5 that may co-occur or be comorbid with the drug
6 dependence.

7 Then we have to use a study such as the
8 National Comorbidity study that had these kinds of
9 measures available. There are very few studies --
10 population based studies that have these measures.

11 The National Comorbidity Study was carried
12 out in the early Nineties with about -- a sample of
13 about 8,000 people age 15 to 54.

14 Just talking about some of the drugs from
15 the National Household Survey, just to give you an
16 idea of the prevalence of drugs, the National
17 Household Survey asks -- and SAMHSA has done a lot of
18 work, I think, in trying to improve the methodology of
19 collecting information about individual drugs. So
20 they ask about tobacco, alcohol and then marijuana,
21 cocaine, inhalants.

22 Then they ask questions about drugs that
23 are typically prescribed, with using the language in
24 terms of capturing extra-medical use, to start off,
25 and the respondents are also given pill cards which

1 are pictures of specific drugs that could help them in
2 answering the questions about the drug.

3 So they are asked about the use of
4 specific drugs within each category. So for
5 analgesics, it would ask about certain specific drugs,
6 and there are some open-ended questions, too, where
7 people can respond.

8 There was some concerns in some of the
9 discussion earlier about whether or not, you know,
10 certain specific drugs within classes aren't
11 mentioned. As you will see, there is a problem with
12 that.

13 I mean, it's probably good for public
14 health but bad for statistics, that there's very few
15 numbers that come up when we look -- When we start
16 breaking down by specific drugs, it's really hard to
17 work with statistically, because the numbers really
18 get small.

19 So this gives you an idea of the -- for
20 various prescription drugs -- the prevalence lifetime,
21 which is sort of the cumulative occurrence of drug use
22 among the people that are still around to be
23 interviewed at the age that they are interviewed, and
24 then past year where we ask respondents have you ever
25 used or do you also use or used in the past year,

1 which is more a reflection of current use.

2 So past year use is going to reflect both
3 new cases of use plus persistent use. Overall, we get
4 about nine percent of people who have ever -- who
5 report ever using one of these drugs extra-medically,
6 with about four percent using in the past year.

7 Analgesics in terms of use are the most
8 commonly used drugs in this group of typically
9 prescribed drugs, with about five to six percent of
10 people ever using them in their lifetime, and about
11 two percent in the past year.

12 Just some information on sex differences.

13 Males are slightly more likely to use these drugs.
14 The sex differences aren't quite as big as we see for
15 other illicit drugs.

16 These are just some trends. Just quickly,
17 I'll go over these. Over time looking at the
18 analgesics by sex -- and we see, basically, since the
19 Eighties a decline through the Nineties, and then it's
20 hard to say what's going on at the late Nineties.

21 We basically -- At the last minute I added
22 the 1999 data, which shows a sharp increase, and I
23 haven't had really a chance to look at what that
24 increase might mean.

25 In 1999 there were some changes made to

1 the survey in terms of sample size was increased, and
2 they switched to a computerized interview as opposed
3 to a paper and pencil interview. So there are some
4 methodologic changes which may result in some
5 increases in reporting.

6 We did compare some trends in other drugs,
7 like cocaine, for example, marijuana. There wasn't
8 the increase for those drugs that there was for
9 analgesics and other prescription drugs, but the
10 increase was most pronounced for the analgesics, and
11 we see increases for both men and women.

12 This is just for comparison for other
13 types of drugs. A slightly increase for tranquilizers
14 recently, but again we are hesitant to make too much
15 of that yet.

16 Sedatives: See a decline over time,
17 basically, for both men and women, and stimulants
18 decline over time through the Eighties to the Nineties
19 and then pretty much a leveling off.

20 Just in terms of the past year use of
21 analgesics for men and women -- this is just by age
22 groups, just to get an idea of who is using, who are
23 current users of these drugs.

24 We see that the 18-25-year-old age group
25 is the group where the use of these drugs is most

1 likely to occur, and there actually has been some
2 trend in increase in that age group in terms of
3 analgesics since the Eighties; whereas, other groups
4 tend to look like they are pretty flat.

5 There's some concern -- we'll have to see
6 what happens -- with this 12-17-year-old age group,
7 that they may be increasing over time.

8 For women, similar patterns except one
9 concern here is that for the younger girls, 12-17-
10 year-olds, they seem to be pretty much on par with the
11 young adults in terms of their prevalence of use.

12 This I just put in here just to
13 demonstrate -- There's been a lot of concern about
14 drug use in older individuals, and given the National
15 Household Survey, it's hard to get reliable measures.

16 So that's what that slide kind of shows, that the
17 sample size gets pretty small for age 60, and there
18 really is a need to sort of understand whether or not
19 there is increased use of drugs in this group. So
20 this slide, as I say, is pretty much meaningless and
21 fairly unreliable, but I just gave it as an example
22 that there is a need for better data sources for these
23 older individuals.

24 This just takes a snapshot in time looking
25 at in 1988 who is using these drugs at different ages

1 for men and women. Basically, this sort of reflects
2 what we saw before, that the period of young adulthood
3 seems to be the peak period of risk, and it goes down
4 considerably at older ages.

5 One thing is that we do see some -- Again,
6 we see this pattern that 12-17-year-old women are more
7 likely to use actually than men or similarly likely to
8 use as men.

9 Just some patterns for tranquilizer use.
10 I can skip over those.

11 These just show some patterns, age
12 specific prevalences of current analgesic use by race.

13 The thing to garner here is that there are big
14 racial/ethnic differences with whites over twice as
15 likely to use as minorities, particularly in the young
16 adult age group, the 18-25-year-old age group.

17 This slide kind of just depicts when onset
18 of use starts to occur. So what are kind of the
19 periods over time that use occurs. For both males and
20 females we see, certainly, a sharp increase in young
21 adulthood, from adolescents to young adulthood, and
22 it's still some increase over time, that even into the
23 sixties we see that these curves go up.

24 For other drugs such as cocaine, we see a
25 much sharper increase from ages right around age 20,

1 and then it starts to flatten out a little bit more
2 sharply. So there's still some accumulation as people
3 get older when they typically get past the period of
4 risk for other drugs.

5 This is from 1998, just looking at some of
6 the specific drugs mentioned in the National Household
7 Survey. Here I do have a combination of generic drug
8 names and brand names. I basically pulled them off of
9 what the National Household Survey uses. It gives you
10 an idea of the drugs -- the types of analgesics that
11 people report ever using.

12 Now the 1999 data does have more drugs
13 listed, and I didn't get time before -- because we
14 just got the data before I had to send my presentation
15 in. But I was just curious for drugs such as
16 Oxycontin what the prevalence was in '99.

17 Out of 53,000 people interviewed, only 82
18 people reported ever using Oxycontin, which was about
19 .15 percent was the prevalence of use of that drug.
20 Now, of course, it will be interesting to see from
21 2000-2001 what those numbers -- if those numbers go up
22 considerably or not, given the attention that's given
23 to that drug and the potential of abuse, to see if the
24 population based reports concur with the anecdotal
25 reports that we hear.

1 This just shows some sex differences which
2 we saw before for some of the drugs, that generally
3 men are more likely to use almost all the specific
4 groups of drugs, and again the age group difference
5 with 18-25-year-olds being the highest, most likely to
6 be using, and the race differences emerging, that
7 whites are basically more likely to use each of these
8 drugs than minority individuals.

9 Also there's basically a flat to maybe
10 increasing pattern with income levels, that people
11 with higher incomes may be slightly more likely to
12 have used these drugs extramedically.

13 Okay. Let me just move over to dependence
14 of prescription drugs. So here we are basically
15 switching to National Comorbidity Study data which is
16 a population based survey of about 8,000 people.

17 When this survey was carried out, there
18 were about -- overall for any prescription drug there
19 were about almost three percent of individuals had a
20 lifetime history of dependence on prescription drugs.

21 Of course, dependence can include both the physical
22 symptoms of dependence, withdrawal and tolerance, but
23 also some of the behavioral aspects of it in terms of
24 getting the drugs, taking a lot of time using the
25 drugs when you have other responsibilities, things

1 like that.

2 So prescription drug use overall, the
3 prevalence of dependence is similar to actually what
4 you see for cocaine. But when you break it down for
5 any particular drugs, it gets smaller. Analgesics
6 actually, even through for the National Household
7 Survey we see them more commonly used than other
8 prescription type drugs, the prevalence of these drugs
9 is -- of dependence, lifetime is about one percent of
10 people have ever had dependence on analgesics, and
11 then it's very small -- It's really an unreliable
12 number for the current dependence.

13 Okay. In general for prescription drugs,
14 we want to look at comorbidity. Actually, let me just
15 do it for analgesics. So here what we've done is we
16 look at people -- There were 68 people in the National
17 Comorbidity study. So it's a relatively small number,
18 but we wanted to look at what is the prevalence of a
19 variety of other psychiatric disorders for people who
20 have a history of analgesic dependence versus people
21 who do not.

22 What we see are some striking differences,
23 that almost half the people that had a history of
24 analgesic dependence had also a history of depression
25 compared to 17 percent without analgesic dependence.

1 They also were more likely to have agoraphobia, about
2 twice as likely to have agoraphobia and other types of
3 phobias.

4 Also, panic attacks, there's a striking
5 difference. About 30 percent of the people that had
6 analgesic dependence had a history of panic attacks
7 versus seven percent without analgesic dependence.
8 Now we don't know the -- This doesn't test the
9 directionality of these associations. It just gives
10 you a basic idea of the comorbidity of these
11 disorders.

12 What is extremely striking is the
13 association with antisocial personality disorder
14 where, you know, it's very rare -- relatively rare in
15 the general population. Only about three percent of
16 people have antisocial personality disorder, and well
17 over a third of the people that have a history of
18 analgesic dependence also have antisocial personality
19 disorder or qualify for that diagnosis.

20 Also there's some issues of shared drug
21 dependence. About 40 percent of the people of
22 analgesic dependent individuals also had a history of
23 cocaine dependence, compared to three percent in the
24 general sample.

25 We see similar patterns for other

1 prescription drugs, actually, but maybe slightly more
2 pronounced for analgesics. It's hard to say, because
3 the numbers get rather small. So the confidence
4 intervals around those estimates get relatively wide.

5 Just for comparison, if we look at cocaine
6 as a disorder, look at cocaine dependent individuals
7 versus those without cocaine dependence and look at
8 the similar disorders, we see that actually the
9 associations for prescription drugs and analgesics are
10 stronger than they are for cocaine dependence.

11 Briefly, this is just the sort of
12 cumulative incidence of analgesic dependence. So over
13 time, looking at different ages, do people develop --
14 when they develop dependence. What you see is across
15 the adulthood, we really see a steady kind of increase
16 in dependence.

17 So the lefthand slide is overall, what's
18 the cumulative incidence of dependence? We see cases
19 of dependence occurring all the way up through the
20 forties for both men and women.

21 When we look at -- and the next slide is
22 just among people who are users, who becomes
23 dependent. Just basically, if you've ever used
24 analgesics extramedically, by the time you get out to
25 age forty the sort of cumulative incidence tends to be

1 about less than ten percent. So this is among users,
2 about ten percent of them report becoming dependent.
3 These are extramedical users again.

4 Just briefly, the transition from use to
5 dependence -- this slide looks at that transition.
6 The people with antisocial personality, for example,
7 are about five times more likely than those without to
8 develop dependence, even once they have used.

9 Just briefly, this is just some results
10 from another study we published in Archives of General
11 Psychiatry. We were looking at the relationship
12 between PTSD and drug use disorders, and we were
13 looking at directionality.

14 So the previous slides don't really look
15 at the direction of the relationships, but when we did
16 this, we were trying to test these pathways.
17 Basically, what we found was the pathway that showed
18 up as being potentially meaningful was the pathway
19 from people who had PTSD first, then developed
20 prescription drug dependence -- or drug dependence.

21 It was really specific for prescription
22 drugs. It wasn't for cocaine. It wasn't for
23 marijuana, and those people with PTSD were about 17
24 times more likely to develop prescription drug
25 dependence than those without the PTSD.

1 This just gives you the bottom number
2 here, just shows you the prevalence of prescribed drug
3 dependence is about nine percent versus .6 percent for
4 those without PTSD.

5 All right. So anyway, I think that
6 basically I just tried to give an overview of some of
7 the data that's out there. There are some limitations
8 in terms of identifying the cases.

9 There's, obviously, a lot of need for
10 research. There's very little research in the
11 epidemiology of prescription drug dependence, much
12 less analgesic dependence. So there's certainly a
13 need for further research in that area. There's
14 certainly a need for better data.

15 I think some of these surveys can give you
16 some idea of what's going on. It will be interesting
17 with the new National Comorbidity Study which will be
18 coming available -- the results will be coming
19 available soon, how these associations currently show
20 up in relation to the comorbidity of analgesic use
21 and psychiatric comorbidity.

22 So with that, I'll conclude. Thank you.

23 ACTING CHAIRMAN KATZ: Well, thank you
24 very much, Dr. Chilcoat. That's obviously very
25 important information and very germane to our task

1 today. We are not going to take questions now,
2 because Dr. Chilcoat will be with us and, I'm sure,
3 will speak about it later.

4 With Dr. Passik's permission, what we'll
5 do now, given the look on everybody's face, is we'll
6 take lunch now, no questions, and then if that's okay
7 with Dr. Passik, we'll begin with his presentation
8 after the lunch break, which will be in exactly one
9 hour. Hang on one second. Sorry, we'll begin at
10 1:30.

11 (Whereupon, the foregoing matter went off
12 the record at 10:40 p.m.)

13
14
15
16
17
18
19
20
21
22
23
24

1 A-F-T-E-R-N-O-O-N S-E-S-S-I-O-N

2 (1:35 p.m.)

3 ACTING CHAIRMAN KATZ: Could we all take
4 our seats, please, and move on to the afternoon
5 session. Is Dr. Passik here?

6 Let's go ahead and begin the afternoon
7 session. I'd like to introduce Dr. Steven Passik who
8 has been a longstanding contributor to our knowledge
9 on the interface between pain and opioids and chemical
10 dependency. Steve?

11 DR. PASSIK: Thanks, Nat. It's really a
12 pleasure and an honor for me to get the opportunity to
13 talk to you about the problem of substance abuse and
14 the data that we've gathered in studies that we've
15 done on the problem of substance abuse in people with
16 pain, which I'm happy to be able to talk about,
17 because these folks, meaning to say people with pain,
18 are the ones with the most at stake, I think, at a
19 meeting like this.

20 This is a very, very broad topic. This is
21 a topic that spans the treatment of pain in many
22 subgroups, from the treatment of pain in people with a
23 known history of addiction who have chronic pain
24 syndromes, HIV related, others, and the special kinds
25 of precautions and issues that surround the treatment

1 of pain in people with a prior chemical dependence
2 problem.

3 My interest in this topic started with
4 that. It started back when I was at Sloan Kettering,
5 where I was on Psychiatry service for about ten years
6 and during that time was working with Russ Portenoy
7 and Bill Brightbar, Kathy Foley on the problem of pain
8 in AIDS.

9 That was largely a problem of articulating
10 management strategies for people who had a previous
11 history of drug abuse. But I don't think that my
12 personal interest in this topic would have been
13 sustained over all this time with just that issue, and
14 I think the expanding use of opioid analgesics for a
15 range of nonmalignant pain syndromes has led to the
16 necessity to look at the problem of noncompliance and
17 addiction related risk in people who are placed on
18 these medicines for pain, and we really have a paucity
19 of data here.

20 I'm going to show you as we go through
21 this a study that we undertook to try to -- which is a
22 very, very preliminary attempt to try to understand
23 these problems.

24 We have taken in the -- In the medical
25 community we've undertaken moving a therapy from a

1 very homogeneous group, meaning to say a chronic
2 opioid therapy that was shown to be very, very
3 advantageous and with low risk in a very homogeneous
4 population, namely, for the most part the tertiary
5 care oncology population, and we have subsequently
6 moved beyond that to take that experience and try to
7 now translate it over the last decade or more to other
8 pain populations.

9 When we run into difficulties here, it's
10 my view that, when there are difficulties of any kind
11 where the outcomes don't look perhaps as favorable in
12 some studies, it may simply be because we are dealing
13 with a much more heterogeneous population when we
14 move to the chronic pain population.

15 One of the mistakes that always gets made,
16 to my view, in the chronic pain area is taking any
17 therapy, whether it's relaxation therapy, group
18 psychotherapy for people with chronic pain to chronic
19 opioid therapy and then applying it in the same way to
20 this very, very heterogeneous group of people.

21 So when we apply this therapy, we are
22 basically trying to effect a good outcome in four very
23 -- four distinct but also very interrelated domains.
24 I think the goals of pain treatment are almost always
25 the same. They are to provide meaningful pain relief

1 or analgesia.

2 Herman Weinreb and I have written about
3 the four A's as a mnemonic device for trying to
4 internists and others how to assess people who are on
5 chronic opioid therapy and how to monitor them. Our
6 study that I'll show you a little bit about in just a
7 few minutes uses this as a model.

8 Basically, in any pain patient, you are
9 trying to effect a good outcome in the areas of
10 analgesia or meaningful pain relief, activities of
11 daily living or improving function. You are trying to
12 minimize and treat side effects, and ultimately the
13 goal, too, is to have as little aberrant drug related
14 behavior that one could hope for.

15 I think the important issues here are
16 that, when we do this therapy, patients need to be --
17 and we need to teach physicians and nurses and others
18 how to monitor people in all four of these areas. Now
19 these are very highly intermingled in important ways.

20 For example, at times you will see
21 aberrant drug related behavior in people in chronic
22 pain who are undermedicated for their pain. That's
23 the so called phenomenon of pseudo-addiction where
24 people are in unrelieved pain, and they act in kind of
25 desperate ways. So the aberrant behavior needs to be

1 interpreted vis a vis where we are in the other
2 domains of outcome.

3 With regard to activities of daily living,
4 it is crucial with this therapy that people have a
5 stabilization or improvement in their psychosocial
6 functioning. It's interesting, because opioids treat
7 some -- basically, one major impediment to improved
8 function. That is pain intensity. They lower --
9 largely lower the volume on pain intensity, but in a
10 lot of instances pain intensity is not the only factor
11 that mitigates against improved psychosocial
12 functioning. So these areas are very intermingled.

13 I thought mary Baluss this morning raised
14 a very good point about what does improved functioning
15 really mean, and for how long, and how long does a
16 patient get to improve their functioning.

17 All of these things, I think, are
18 unfortunately poorly defined. For example, a lot of
19 times in pain management we tend to look at the return
20 to work as the gold standard. We feel like heroes if
21 we get a person who has been disabled to return to
22 work.

23 The problem with using that as a goal of
24 pain treatment is that the best predictor of return to
25 work in disabled pain patients is not pain intensity.

1 It's not severity of injury. It's pre-morbid job
2 satisfaction.

3 So ultimately, you know, unless opioids
4 make you like your job more -- it's possible --
5 ultimately, you know, unless we start using voc rehab
6 as part of what we do in our treatment of chronic
7 pain, that may not be the right goal.

8 I think what I do as a clinician is I try
9 to sit down with patients, figure out what their goals
10 are, and then I assess these four A's in an ongoing
11 way, and largely what this boils down to in clinical
12 practice is a kind of a good faith, gestalt sense that
13 somebody is making a wholehearted effort to improve
14 their life and that pain medication is a small part of
15 that effort.

16 Now I want to describe to you a study that
17 used -- that Russ and I undertook, and this is
18 actually a study, I should say up front, that was
19 funded by Janssen Pharmaceutica. Russ and I
20 approached Janssen some years ago before the
21 phenomenon of prescription opioid abuse was all over
22 the media, and we approached them and said there's a
23 broadening use of these drugs out in the community by
24 primary care doctors and others. They need a tool to
25 help them monitor their patients, document importantly

1 the patient's progress so they can improve their
2 medical recordkeeping in this area, and also have a
3 better understanding of what we should talk to
4 patients about and, in particular, in the addiction
5 related outcomes.

6 As you are going to see, what we are
7 trying to introduce here, I think, is crucial not only
8 in the clinical world but perhaps in clinical trials
9 on the longer term effects of opioids and their
10 efficacy over time, a different vocabulary for
11 understanding noncompliance behavior; because the
12 traditional definitions of addiction really don't
13 apply to this population.

14 So Russ and I set out to basically design
15 a series of short questionnaires that could yield
16 ultimately kind of a documentation system for each of
17 these four areas.

18 We batted this back and forth several
19 times between us, and then actually several people in
20 this room helped us, commented on it, helped us to
21 improve it, including Dr. Katz. Karen Sees helped a
22 great deal with it as well in its development.

23 Ultimately then we took it, and we handed this -
24 - We gave this to physicians and nurses around the
25 country, internists primarily and some pain experts,

1 and we had them take it to their pain clinic and
2 assess their own patients one time.

3 These are all patients who are on opioid
4 therapy for three months or more, and this is a one-
5 shot, one-time cross-sectional snapshot of what
6 outcomes look like in chronic opioid therapy. I'm not
7 just going to restrict my comments now just to the
8 addiction related outcomes. I'll walk you through the
9 summary of the results really quickly.

10 With regard to the four A's, the first one
11 was analgesia, of course. I think it's very
12 interesting to note here, we basically used a couple
13 of zero to ten scales on average pain and pain at its
14 worst.

15 You can see that on opioid therapy -- and
16 I know that these don't project too well. I'll walk
17 you through this -- the patient's average pain level
18 was in the moderate range, exacerbated to the severe
19 at its worst. These are people on chronic opioid
20 therapy.

21 Then a very interesting question that I
22 think we stumbled upon here. We asked them: Compare
23 your average pain during the past week with the
24 average pain you had before you were treated with your
25 current pain relievers. What percentage of your pain

1 has been relieved?

2 For those of you who can't see it, it was
3 57.8 percent. Now in fairness, there is a large
4 standard deviation that goes all the way up into the
5 eighties and all the way down into the thirties, but
6 the average patient on these drugs is getting about
7 57.8 percent of their pain relieved.

8 That is modest, but as you'll see in a
9 moment, meaningful to the vast majority of these
10 patients. But I think it's a very important point to
11 highlight that the average patient apparently -- and
12 this is a study that was not designed to really look
13 at outcomes of chronic opioid therapy; it was more a
14 road testing of this system.

15 Nevertheless, the average patient, it
16 seems to indicate, is going to have a substantial
17 amount of residual pain to cope with, and ultimately
18 that the goals of therapy will probably best be
19 realized by also bringing in rehabilitative,
20 psychological approaches, and so on.

21 I think it's a crucial point that we
22 teach, for example, primary care doctors that, if they
23 -- to think about this as their goal as they go into
24 chronic opioid therapy, not to restrict their ability
25 to prescribe but to help them recognize just by asking

1 themselves which ones of my patients are likely to
2 enjoy a favorable outcome with 57.8 percent pain
3 relief.

4 If they ask themselves that question going
5 in, they might be able to say, okay, if my gut tells
6 me the answer is yes, nice little old lady with
7 arthritis is going to dance at her children's wedding
8 when she gets 57.8, terrific. That's a patient that
9 probably doesn't have a lot of comorbid psych,
10 probably doesn't have addiction problems, and
11 ultimately will enjoy a good outcome.

12 If the answer, on the other hand -- the
13 gut tells you the answer is no, it's probably for
14 other psychiatric or deconditioning type reasons for
15 which opioids are not the sole answer. We need to
16 teach physicians, I think, to know when to refer early
17 so they don't end up with bad outcomes based on
18 perhaps inflated expectations about what the drug
19 therapy alone can help realize.

20 As I said, while the numbers look modest,
21 this is meaningful pain relief. As you can see, we
22 asked the patients, is the amount of pain relief you
23 are now obtaining from your current pain relievers
24 enough to make a real difference in your life? And 90
25 percent of the patients said yes.

1 Now interestingly, the physicians agreed
2 in 85 percent of the cases, but more interestingly,
3 when we went back to do the CAPA coefficients on this
4 data, they were exceptionally low, meaning to say that
5 patients and the physicians are not talking about the
6 same people.

7 So we are now going to go back and analyze
8 the discrepant cases to try to help us understand what
9 makes a physician say the outcome is good versus what
10 makes a patient say the outcome is good. I leave that
11 to your imagination. I'm thinking few phone calls
12 probably is all that drives that.

13 With regard to activities of daily living
14 -- Now remember, this is meant to help people do this
15 in day to day clinical practice, you know, with people
16 on chronic opioids. So it was done grossly, but we
17 asked the doctors to rate the patients as better, same
18 or worse in the area of physical functioning, mood,
19 family and social relationships, sleep patterns, and
20 overall functioning.

21 I think it's crucial at a time like now
22 when we are kind of examining this therapy to
23 recognize that in the doctor's judgments four out of
24 five patients were enjoying an improvement in overall
25 functioning.

1 I would venture a guess that, if we could
2 have predicted ahead of time who was going to need
3 more extensive psych input or perhaps more structure
4 from the point of view of controlling aberrant
5 behavior, that number could be higher if we would
6 tailor the approach and meet those needs earlier as
7 opposed to later.

8 I think a much more common unfavorable,
9 uncomfortable, if you will, outcome in chronic opioid
10 therapy is not out and out addiction and aberrant
11 behavior. It is a patient on what is a controversial
12 therapy whose function is not gradually improving as
13 they are on the therapy. I think that's what
14 clinicians confront a lot more frequently than out and
15 out anything that smells of addiction.

16 With regard to adverse effects or side
17 effects, overwhelmingly the patients felt that they
18 could tolerate their pain relievers, despite the fact
19 that two out of three of them had side effects.

20 In this instance, the only one that rose
21 above threshold that's even worth mentioning was
22 constipation. Four out of five patients had it. It
23 was moderate to severe in a third. It's clear that,
24 when we are using opioid analgesics for the treatment
25 of chronic pain, we do have to be aggressive about the

1 management of constipation.

2 Finally, what we are all here to talk
3 about. Russ and I created a checklist on aberrant
4 drug taking behaviors, and this is basically the model
5 that comes from a paper that Russ and I have written,
6 but actually it predates that, comes from some other
7 work that Russ did in Jerry Jaffe's Encyclopedia of
8 Substance Abuse, I believe.

9 In any case, I think, if I can speak for
10 Russ, he was lying awake one night wondering what all
11 of his patients were doing with all those drugs he was
12 prescribing, and he had the realization, I think, that
13 ultimately this boils down to behavior.

14 What the clinician will confront in the
15 clinic is not out and out signs of drug addiction.
16 What we will see -- We might see that periodically,
17 but what we are mostly going to see is noncompliance
18 behavior.

19 What we tried to do was take this notion,
20 that there's a wide, wide range of behaviors that are
21 likely to become manifest in the clinical situation.
22 Some of them are probably innocent and frequent and
23 less predictive of addiction. Some of them, just
24 based on common sense and legal or illegal kinds of
25 issues, are probably more predictive.

1 We took this, and we tried to embody this
2 in the model of the checklist that we put in, while at
3 the same time trying to take some of the core aspects
4 of addiction -- use despite harm and adverse
5 consequences, uncontrolled use -- and embody those as
6 they might appear to a pain clinician. Again, that
7 need for a kind of translation of the addiction
8 vocabulary into the pain clinician's vocabulary, which
9 I think has a long way to go but, I think, is very
10 important ultimately for inclusion in studies of this
11 kind.

12 With regard to adverse consequences
13 possibly resulting from drug use, I'm showing you now
14 the numbers of people -- and this is based on the
15 poster data. We now have data on some 450 patients,
16 but we presented a poster at the Pain and chemical
17 Dependency clinic -- pardon me, meeting -- in '99 on
18 these data, and we have the full datasets being
19 analyzed now.

20 This is data from that poster, and I can
21 tell you the numbers have not changed significantly.
22 What I'm presenting to you here is the number of
23 patients who never did these things -- never did these
24 things. So that these are patients in whom you never
25 saw these behaviors.

1 So that people sort of taking their
2 medicine to purposely over-sedate themselves -- that
3 happened -- you would have to do the math -- in a
4 little under 11 percent of the patients. Less than
5 eight percent had a negative mood change.

6 Decline in psychosocial functioning was
7 seen in six percent. Less than five percent had a
8 decline in social functioning. Appearing intoxicated
9 -- as you can see, on down the line, but you can see
10 basically that these adverse consequences were
11 relatively infrequent.

12 Most of them -- The innocuous ones, as you
13 will see as we go through this, were somewhat higher,
14 in that 10-20 percent of the patients had done them at
15 least once; whereas, some of the more serious ones
16 were down around one or two percent.

17 What you are going to notice as I walk you
18 through these slides is that the percentage of most of
19 these behaviors comes in somewhere around six percent
20 of the patients, which is a very interesting finding,
21 because six percent or so is basically the -- usually
22 the number that gets thrown around for the amount of
23 addiction in the general population.

24 I think that's a very important
25 consideration, that the misuse in the form of these

1 kind of behaviors in pain patients is no more frequent
2 than it might have been based on just predicting it
3 from the general population values.

4 So here you can see possibly loss of
5 control, requesting frequent early renewals -- you saw
6 that in about 18 percent. Increase of dose
7 occasionally without authorization was in less than
8 14, and on down the line with the more serious
9 behaviors ultimately coming in at much lower
10 percentages.

11 Also preoccupation with opioids or other
12 drugs, asking for specific medicines by specific
13 names, fairly innocuous, as Dr. Parris said this
14 morning, about 11 percent of patients did that.
15 Doesn't comply with other recommended treatments, like
16 you ask the patient to also go to marital counseling
17 or physical therapy and the only time they show up is
18 on the day that the narcotics are being renewed --
19 that was seen in seven percent.

20 Six percent reports no effects of other
21 medicines, like my pain only responds to opioids,
22 unwilling to do other drug trials.

23 Misses appointments except for medication
24 renewal, and so and so forth. You can see on down the
25 line that those behaviors were actually in the three

1 to four to six percent range.

2 Other occurrences: Patient arrested or
3 detailed, very infrequent -- very, very infrequent,
4 less than two percent of the patients.

5 What is also very important and very
6 tricky in the assessment of addiction related issues
7 in the chronic pain patient who is on opioids for
8 legitimate purposes is that, when we do see these
9 behaviors, as I intimated earlier, we have to take a
10 step back as clinicians.

11 This is a very hard thing which ultimately
12 a lot of physicians don't think through. They think
13 of the world as divided into addiction/no addiction
14 when they see aberrant behavior in front of them in
15 the clinical situation. The truth is you have to
16 ultimately -- There are several possibilities that
17 might be driving aberrant behavior in chronic pain
18 patients.

19 It might be out and out addiction. The
20 patient is losing control. They are using despite
21 harm. I'm going to in a few moments talk a little bit
22 about a very structured approach that can be taken.

23 We run a clinic in Indianapolis called the
24 Pain and Chemical Dependency Clinic where we take in
25 people who have abused prescription drugs or have bona

1 fide histories of addiction, and we don't, obviously,
2 manage them the same way that we do little old ladies
3 with arthritis.

4 Ultimately, I think it's very important to
5 kind of tailor the approach. I have to say that with
6 the right structures like frequent urine tox screens,
7 seeing the patient every three days, having the
8 recovery program that the patient -- recovery group
9 that the patients attend in our clinic, we are able to
10 -- We've had a very kind of sanguine experience. But
11 at the same time not every clinic or physician has
12 anywhere near the ability to bring to bear that much
13 structure.

14 I think, if that's the case, those are
15 people that need to be referred. The fact that we
16 have a paucity of such treatment settings goes without
17 saying.

18 Another possibility is pseudo-addiction.
19 As I mentioned earlier, the patient is acting in a way
20 that they are acting not because of addiction but
21 because of desperate attempts to get pain relief.
22 That's another possibility, and with the tremendous
23 amount of undertreatment of pain in our society,
24 clearly something that clinicians need to think
25 through when they try to sort this out.

1 Other psychiatric diagnoses: Personality
2 disorders, self-medication of depression or anxiety
3 syndromes and so on, also might be driving the
4 behavior, in which case treating those syndromes is
5 sometimes helpful. And there are, of course, the drug
6 diverters who have no pain but are coming in with the
7 sole intent of duping the physician, and all of those
8 things need to be considered, because every one of
9 them has different management strategies that the
10 clinician would take to try to contain the behavior.

11 Now with regard to defining the problems
12 and understanding the addiction in a pain patient
13 better, there are several problems. The first is we
14 really don't know the risk of aberrant behavior in
15 addiction going in.

16 We need to get a better handle on what the
17 risk factors are, and then get them out and educate
18 physicians about how to assess them. I'll talk about
19 that a little bit in a moment.

20 There are tremendous misunderstandings
21 about what addiction is, and the usual definitions
22 simply don't apply well in the pain management
23 situation.

24 Then finally, there has been an absence of
25 well articulated management strategies for patients

1 with different substance abuse related problems. Even
2 when they are articulated, they don't lend themselves
3 to solo practice office settings, for example. So
4 that ultimately some of those things are out of the
5 reach of a lot of people who need pain treatment.

6 I want to just spend the rest of my time
7 talking about the assessment of risk, because I think
8 it's been bantered around over the years and, I think,
9 in some misleading ways.

10 I think that prior to the sort of
11 revolution in pain management, I think that the
12 prevailing notion was that addiction, for the most
13 part, lived in the drugs themselves and that, if you
14 got exposed to them, you would become addicted. It
15 didn't matter if you had pain, if you had cancer.

16 In fact, in 1947 the President of the AMA
17 wrote that physicians should spare their terminally
18 ill cancer patients the indignity of morphine
19 addiction, because the prevailing view was that
20 addiction lived in the drugs. So exposure alone would
21 addict everybody or anybody.

22 I think then the pendulum started to
23 swing, and the revolution that's happened that's
24 helped so many people in pain management started to
25 happen. But I think at the same time, there was a

1 paucity of real outcomes data on aberrant behavior, on
2 kinds of noncompliance that you might see, and so on.

3 So there was a lot of data that was cited
4 to help allay fears of addiction that probably didn't
5 have that much to do with what the real risk was. An
6 example is the -- and many of you have probably seen
7 this data quoted many, many times, the so called
8 Boston Collaborative Drug Surveillance Project from
9 Porter and Jick, New England Journal of Medicine,
10 1980.

11 In a letter to the editor Porter and Jick
12 reported some four cases of addiction in 12,000 people
13 who were exposed to opioids during a hospital stay in
14 people who had no prior history of abuse and had
15 received those drugs during hospitalization. They
16 could only document four cases of misuse of the drugs
17 in follow-up.

18 So the prevailing notion came to be that,
19 if you didn't have a history of abuse that the risk of
20 aberrant behavior of any kind was extraordinarily low.

21 But of course, that model doesn't really describe the
22 risk in the chronic pain population. It doesn't
23 describe the risk in people who are going to be
24 exposed to the drugs who have a range of other
25 psychiatric potential problems, as well as a much

1 longer anticipated duration of exposure.

2 So what I think Porter and Jick's data
3 really represent is one end of a continuum of risk,
4 short term exposure to opioids in a non-addict
5 population.

6 The other end of the continuum is
7 represented by people who have a substance abuse
8 problem who are going to get chronic pain treatment.
9 Now as you might imagine, if you go to the literature
10 and look for long term treatment of addicts with
11 opioids for pain, you will not see an extensive
12 literature. But I've pulled out a reference from
13 Dunbar and our very own Nat Katz from 1996, Journal of
14 Pain and symptom Management.

15 In their experience at Harvard, they
16 followed some 20 patients who had both chronic pain
17 and a history of substance abuse. So this is kind of
18 what we are left with, is drawing conclusions from
19 small case series of 20 patients. But in that study,
20 I think it's very interesting to note that nine out of
21 the 20 patients abused the medication -- nine out of
22 the 20.

23 Now I don't know how much you want to draw
24 from 20 patients, but it is interesting at least that
25 it's not 20 out of 20. A lot of people, I think,

1 think that if you try to treat addicts for pain, it's
2 a foregone conclusion that they will abuse the
3 medications and, moreover, treat them as if they
4 themselves, addicts themselves, are a homogeneous
5 group, which they are not. They are a very
6 heterogeneous group.

7 There are people who never abused opioids.

8 There are people who are opioid abusers. There are
9 people in long term recovery and so on and so forth,
10 and to that point, of the 11 people who did not abuse
11 the medications in the Dunbar and Katz case series,
12 they were all active in recovery programs.

13 We desperately need to develop these kinds
14 of settings for people. Recovery is not about
15 abstinence. Recovery is about honesty and
16 accountability, and there is nothing incompatible
17 about being in recovery and taking your pain medicine
18 as prescribed, if you have a chronic painful
19 condition. The problem is that methadone maintenance
20 has become the dumping grounds for a lot of those
21 patients.

22 So just to reiterate: What we really have
23 is a spectrum of risk. When we start people on
24 chronic opioid therapy, the risk of addiction of
25 aberrant behavior depends on their personal

1 characteristics and history as well as the anticipated
2 length of exposure.

3 We don't really have a lot of data in
4 patients in whom we expose to these medications over
5 long periods of time, but the risk may be less than
6 one percent on the one hand, or up to as high as
7 perhaps 45 percent, on the other. And the clinician's
8 role is to locate their patient on that continuum.

9 This is what we need to be treating, again
10 not sort of cutting off physicians' ability to apply
11 this therapy when they think it is medically
12 necessary, but instead to try to help them realize who
13 they are treating so they can bring the appropriate
14 structures to bear when they start that treatment.

15 I wish I could tell them that it was a
16 straightforward assessment, but of course, it isn't.
17 The literature is a complete mess on this subject,
18 completely unhelpful virtually, but at least
19 theoretically we know that if addiction arises from
20 chemical, psychiatric, social, familial, genetic and
21 spiritual influences, that aberrant behavior during
22 pain management in forms of noncompliance might grow
23 out of those same influences.

24 I think ultimately we have to teach
25 doctors, nurses, social workers, psychologists and

1 others to do a full assessment of these issues so that
2 we can bring -- because a lot of our chronic pain
3 populations do indeed have problems in these areas.

4 They have comorbid psychiatric problems.
5 They have social and familial problems that have grown
6 out of the usual year or more that it takes them to
7 get adequate pain relief. Some of them have spiritual
8 difficulties because of the length of time they have
9 been suffering, and still others are genetically
10 loaded for addiction.

11 These assessments need to be made so that
12 we can ultimately track people into a tailored
13 approach to their pain management that helps realize
14 better outcomes in a wider range of patients, although
15 if the data from Russ and my study seem to hold to up,
16 seems like 80 percent or so of people did okay with
17 just the kind of usual approach to this therapy.

18 Pseudo-addiction, of course, can be one of
19 the things that you have to sort out, because, as I've
20 said earlier, when we do see aberrant behavior, it may
21 come from those influences. It may, however, come
22 from inadequately treated pain.

23 If the patient indeed has a history of
24 drug addiction, I think as a society and as individual
25 clinicians, one of the things we really have to do is

1 consider the risk of not treating them.

2 If we are concerned about public health,
3 then we certainly have to be concerned about what
4 kinds of criminal activity and drug abuse is set in
5 motion by refusing to treat populations of people with
6 opioids when they need them, such as the addict
7 population.

8 In a study that we are just completing now
9 -- this is a NIDA-funded study -- we compared the
10 behavior of drug abusers with AIDS to the behavior of
11 cancer patients. It sounds like there's two groups,
12 but there's really three.

13 Based on a formula, we have really three
14 groups: Adequately medicated cancer patients,
15 inadequately medicated cancer patients, and virtually
16 all inadequately medicated addicts with HIV-related
17 pain and other chronic pain syndromes.

18 The results of quite commonsensical and
19 predictable. That is that the little old Hoosier
20 farmers who are inadequately medicated for their pain
21 don't start abusing street drugs. They might try
22 alcohol. They might get depressed. They might become
23 socially withdrawn. But the substance abusers who are
24 HIV-positive in Indianapolis reported commonly turning
25 to street drugs for abuse, diverting prescription

1 drugs for use, even trading sex -- HIV-positive women
2 trading sex to get pain medicine on the street to
3 treat their pain.

4 So if we are concerned about the public
5 health consequences, we really ought to be concerned
6 about the underside of this issue that doesn't get
7 nearly enough attention.

8 Additionally, I think there is a real need
9 for research in an area -- and this is a term that
10 Eduardo Bruerra actually coined. Interestingly
11 enough, he coined it in talking about people with
12 cancer, the so called "chemical coper."

13 Now a lot of us, as I said earlier, don't
14 see a lot of people with chronic pain who come in
15 with, you know, their pain prescription serving as a
16 gateway to the use of illicit drugs. That is a very
17 rare phenomenon, almost nonexistent.

18 On the other hand, we do, I think -- at
19 least I do as a psychologist, because I tend to get
20 referred these patients, see a number of people with
21 comorbid psychiatric problems that are not being well
22 addressed, and we see people who develop a syndrome
23 that is kind of referred to in the clinical literature
24 but hasn't been studied at all very well, to my
25 observation.

1 That is this chemical coping kind of
2 phenomenon wherein people -- and I think it is a
3 syndrome that bears resemblance to addiction, but it's
4 not illegal. It doesn't seem to threaten the public
5 health in any terrible ways, but I do think this is a
6 negative outcome in some people on chronic opioid
7 therapy where the drug just assumes kind of just two
8 central a role in the patient's ability to cope with
9 and live with their disease.

10 You know, I think when you start a patient
11 that has been undermedicated for periods of time on
12 chronic opioids, I think it's reasonable to have them
13 be very focused on drug procurement and getting more
14 analgesia and so on, because they have been
15 undermedicated, and there's a lot of motivation. But
16 when that sort of never gives way to a broader
17 appreciation that kind of what you see is what you
18 get, this is the amount of relief you have, it's time
19 to start focusing on goal setting and expansion of
20 psychosocial repertoire.

21 That never happens. That is a worrisome
22 development in some chronic pain scenarios. Very
23 poorly studied and just described, as I say, in the
24 clinical literature. I think these patients need a
25 structured approach. They need psychotherapeutic

1 approaches, and they need pain treatment that
2 decentralize the medicines, like the sustained release
3 opioids and so on.

4 So just to reiterate, I think that one of
5 the most important things that I'd like to kind of
6 leave you with is that I think that the decision to
7 start people on opioid therapy should largely be based
8 on medical variables. How severe is the pain?
9 Perhaps to some extent, what kind of pain do they
10 have, since there are some pain syndromes that are
11 slightly less responsible to opioids? What else has
12 been tried?

13 Ultimately, I think the issue is not, you
14 know, who gets opioids and who doesn't -- and I think
15 that sounds like it was one of the themes of
16 yesterday's discussion -- but who gets opioids in what
17 treatment setting with what kinds of limits to help
18 them also enjoy a favorable outcome?

19 You know, if I ran a pain clinic, I would
20 have three pain tracks I would try to have people
21 moved into and perhaps moved among, once they had an
22 evaluation initially. There is the uncomplicated
23 patient track who needs minimal structure, easily
24 treated by internists and others.

25 There is the patient with comorbid

1 psychiatric and other coping difficulties who needs a
2 moderate amount of structure and a heavy psychological
3 and rehab input, and then there are addicted patients
4 who, depending on where they are in the addiction
5 spectrum, need a highly structured approach, although
6 variable based on those particular variables that you
7 saw there.

8 So then just finally, there is a
9 difference, I think between addiction as it's been
10 defined in the psychiatric literature and the complex
11 issues of noncompliance and aberrant behavior that
12 become evident during pain management, and this
13 difference has not been well studied.

14 It's been poorly articulated, and I think
15 in longer term follow-up of people on chronic opioid
16 therapy, we need to start reviewing and looking at
17 aberrant behavior and noncompliance in the longer
18 term.

19 Finally, the pain population is, of
20 course, as I've been saying, very diverse, and the
21 application of opioid therapy to this diverse
22 population requires careful assessment and
23 consideration. Thank you very much.

24 ACTING CHAIRMAN KATZ: Thank you, Steve.
25 That was a great presentation on a very complicated

1 subject with sparse and diverse data. I appreciate
2 it.

3 In the interest of getting as efficiently
4 as possible to the reason why we are here today, I am
5 going to actually hold questions. I think they will
6 probably come up naturally in our discussion anyway.

7 We will move right along to Dr. Hertz.
8 Dr. Hertz is a -- Sharon Hertz is a Medical Officer in
9 the Division at the FDA, and she will be speaking with
10 us about regulatory approaches to risk management of
11 prescription opioid abuse.

12 DR. HERTZ: Thank you, Dr. Katz, and thank
13 you to all of the speakers who have preceded me.
14 There's been some very interesting and useful
15 information provided.

16 We in the Division, as well as the other
17 division that deals with analgesics, really wrestle
18 with a lot of these issues on a regular basis, and the
19 more information that we have to work with, the easier
20 it is to take a reasoned approach to these problems.

21 There have been reports of abuse of
22 prescription opioid analgesics that have directed
23 public attention to the known potential for abuse,
24 misuse and diversion of these products. There are
25 several approaches to managing abuse potential that

1 are considered by the agency.

2 You have heard about scheduling under the
3 Controlled Substances Act. To some degree, we have
4 discussed a little bit labeling today, including black
5 box warnings. There's been some interesting in
6 updating labels with newer information; risk
7 management plans, formulation changes and restricted
8 distribution.

9 I am going to focus my discussion right
10 now on risk management plans, which are under
11 consideration with increasing frequency as a tool to
12 address abuse related risk with opioid analgesics.

13 There are some common features that we are
14 starting to organize with these risk management plans.

15 The first feature that we like to see or that are
16 often provided is identification of key messages.

17 What are the key events that we need to
18 monitor with this specific product? Is the intent of
19 this particular risk management plan, in fact, the
20 prevention of abuse and diversion or other issues:
21 And when appropriate, what is the importance of proper
22 patient selection with this product?

23 The identification of risk potential is
24 the next feature in these plans. What are the issues
25 that make a risk management plan an important feature

1 to consider with a product? Are there issues related
2 to the drug substance? Is it a formulation issue? Is
3 there prior experience with similar products that have
4 tipped us off to anticipate the need for a more
5 proactive approach?

6 Tracking and quantifying abuse, misuse, and
7 diversion is quite challenging. Programs that have
8 been developed for this purpose have included the
9 things that we have heard about: Spontaneous
10 reporting mechanisms through company sponsored
11 hotlines, the MedWatch system, the many databases that
12 have been discussed today and yesterday; state drug
13 control authorities and boards of pharmacy.

14 Special registries have been created,
15 including pediatric databases. Surveys generated at
16 the pharmacy level have been important in at least one
17 risk management plan in terms of generating important
18 information on the use of some products, as well as
19 getting information from literature and media reports.

20 Programs to prevent abuse, misuse and
21 diversion often overlap with interventions intended to
22 decrease such activity. Education is paramount.
23 Physician education and pharmacist education can take
24 the forms of continuing education programs, "Dear
25 Health Care Provider" letters, as well as tools such

1 as patient package inserts to provide information to
2 patients.

3 We've heard about and seen tamper
4 resistant prescription pads. Are there special
5 storage needs for the physician in their office? What
6 about for the patient in the home environment? Child
7 resistant packaging needs to be addressed, because the
8 regulations only cover this area for oral preparations
9 and, as we have seen, there are some non-oral
10 preparations that have been developed and are being
11 developed for pain management.

12 We have discussed to a little extent black
13 box warnings. What about restricted access to
14 targeted populations? Is that appropriate to the
15 product?

16 Expert Advisory Boards have been composed
17 to assist with educational efforts, as well as to
18 assist with the development of surveillance programs.

19 We have also heard about cooperative efforts with law
20 enforcement. These have taken forms such as
21 educational material as well as the use of country-
22 specific indicia or markings to track where products
23 are coming from.

24 The monitoring efforts, once a plan is
25 generated, are critical. What events are being

1 reported? How are they going to be monitored? We
2 also need to assess the effects of educational
3 efforts, and we need to audit the promotional efforts.

4 What are the actual messages being delivered by these
5 efforts, and are they reaching the right targets and
6 generating the right message?

7 I have three vignettes to demonstrate and
8 highlight some past efforts that have met with some
9 measures of success in dealing with issues. Now,
10 clearly, these are based on real products, but I have
11 taken the liberty of altering the facts, mostly
12 simplifying, just to focus our attention on important
13 points for discussion.

14 Drug A is a parenteral opioid
15 agonist/antagonist that was initially approved for
16 hospital use. The abuse liability was considered to
17 be low, and the product was not scheduled. Little
18 abuse was reported.

19 Later on a nasal spray formulation was
20 developed for outpatient use. The abuse potential was
21 revised, still considered low but post-marketing
22 surveillance was recommended.

23 After release, concerns of abuse rose as
24 reports started to come in, and a petition for
25 scheduling by the DEA was raised. Databases were

1 reviewed to try and gain information on what was
2 actually taking place.

3 A cooperative effort with FDA and DEA
4 surveyed state authorities, and 80 percent of
5 responding state authorities confirmed cases of
6 nonmedical use and diversion. typical drug seeking
7 behavior was reported, falsification of prescriptions,
8 doctor shopping, everything we have heard about, and
9 these reports continued to increase.

10 A request was made to DEA to schedule this
11 nasal spray and, in fact, it was placed on Schedule IV
12 of the Controlled Substances scheduling. Following
13 scheduling and, perhaps more importantly or as
14 importantly, following dissemination of relevant
15 educational information, abuse related reports began
16 to decrease in the setting of stable prescribing
17 practices. So this was effective efforts.

18 The next product was another
19 agonist/antagonist, originally formulated as an oral
20 product. Over the first decade of use, reports of
21 abuse and misuse steadily grew. In particular,
22 intravenous abuse of crushed tablets was noted.

23 The product was added to Schedule IV, and
24 this had no impact in this instance on the reports of
25 abuse and diversion. As a result, the product was

1 ultimately reformulated with naloxone, and the
2 original product withdrawn from the American market.
3 Subsequently, there was a dramatic decline in the
4 reports of abuse.

5 The last vignette, the last product,
6 represented a novel formulation of a drug substance
7 that was already on Schedule II of the Controlled
8 Substances Act. The product was intended for a narrow
9 target pain population.

10 There were a lot of concerns during the
11 review process for this product, particularly concerns
12 of accidental exposure in non-opioid tolerant
13 individuals, and also concerns about abuse and
14 diversion. A lot of this was really related to the
15 high dose available in this formulation and the
16 potential for easy conversion of this formulation for
17 parenteral abuse.

18 As a result, a risk management plan was
19 created prior to product approval. Features of this
20 plan included limiting these prescriptions for this
21 product to patients with the labeled indication.

22 Through surveys of participating
23 pharmacies, off-label prescribing was identified, and
24 corrective letters from the company, not from the
25 government, were sent to physicians trying to inform

1 them of potential risks and appropriate use.

2 Detailing by the company was limited to
3 physicians who were known to regularly prescribe to
4 patients in the targeted population, and patient
5 education materials were developed and provided either
6 by the physician or the pharmacy early in the
7 patient's use of the product.

8 Additionally, cabinet locks were provided
9 to patients for home storage. A temporary storage
10 container was created, and even a locking fanny pack
11 so patients could have product available in a safe
12 manner whenever they needed it.

13 The results have been quite good. There
14 have been very limited reports of misuse of this
15 product.

16 The agency is aware of problems of abuse,
17 misuse, and diversion of prescription narcotic
18 analgesics, but we are just as aware of the need for
19 adequate pain management for legitimate pain patients.

20 So in the discussion that is going to entail, we
21 would just like the Committee's input on their opinion
22 of prior approaches and some of the general approaches
23 that we currently have available to us now.

24 Dr. Katz, I think, is actually going to
25 take care of organizing the questions for this

1 discussion. Thank you.

2 ACTING CHAIRMAN KATZ: Thank you, Dr.
3 Hertz. Let me have you stay up there for a minute or
4 two, if you don't mind.

5 What I'd like to do first is to give Dr.
6 Hertz an opportunity to answer any questions specific
7 to the content of her presentation about regulatory
8 approaches to risk management in this situation, and
9 as soon as she is done answering those questions, we
10 will launch right into the meat of our discussion.

11 Dr. Portenoy first, then Dr. Carlisle.

12 DR. PORTENOY: I'm just curious about what
13 happens over time with the risk management program.
14 If a risk management program is in place and the data
15 look good -- for example, vignette number three -- is
16 it revisited by the agency after a year or two, and is
17 the company then allowed to market to a broader
18 population of physicians?

19 DR. HERTZ: Well, I can answer part of
20 that question. As another feature of that risk
21 management plan, we have quarterly reports of these
22 efforts being provided, so that we can keep a watch on
23 what type of activity is occurring.

24 The intention there is to provide an
25 opportunity to adjust the plan if trends occur that

1 suggest there are any significant problems with
2 accidental exposure, misuse or diversion.

3 I think the fact that misuse has been as
4 low as it has been is because the plan is in effect.
5 So if the plan is removed, you know --

6 DR. PORTENOY: I'm sorry. Once again, I
7 wasn't totally clear. My's my fault.

8 I'm more coming at the question in a
9 little bit of a provocative way, from the perspective
10 of the concerns we have about the undertreatment of
11 legitimate pain problems.

12 We have no data that essentially validates
13 a risk management plan, because you are not doing it
14 in a randomized format. We can't watch one country
15 with it and one country without it. We just put it in
16 place, and then we look at it.

17 It would be reasonable to think that a
18 very tightly controlled risk management plan has the
19 effect of reducing exposures, at reducing the
20 opportunity for the drug to reach a larger number of
21 legitimate pain patients.

22 As off-label use grows with the drug, and
23 if the experience suggests that it may be safer than
24 the original risk management plan discerned, is there
25 any effort for the agency to look at it from the

1 perspective not of, well, there's no abuse, so we're
2 doing a good job, but from the perspective of, well,
3 maybe we are not allowing enough pain patients to have
4 access to it because we have this overburdensome risk
5 management plan in place?

6 In the absence of validation data, both
7 parts of that argument are appropriate to discuss.
8 Right?

9 DR. HERTZ: Yes, but I'm going to direct
10 that to Dr. Kweder.

11 DR. KWEDER: Actually, I can address that
12 more generally. I think that's a great question, and
13 it's exactly the kind of thing that we are facing as
14 we think more broadly about risk management plans for
15 marketed products in general.

16 There are examples in other therapeutic
17 areas where, when a product, for example, has first
18 come to the market and we have had substantial
19 concerns about how it would be used where we have
20 imposed a very stringent risk management plan and then
21 begun to back down as the data reassured us over time
22 that the things that we feared were not coming to pass
23 and that perhaps more broad access was appropriate,
24 provided, of course, that there weren't other safety
25 or effectiveness concerns.

1 The real time approaches to these -- you
2 know, the changing environment that we recognize has
3 to be taken into account and built into these plans so
4 that they make sense for the times.

5 DR. PORTENOY: So my last comment on that
6 is that it would be very helpful, I would think, for
7 the agency to begin to build into the plans up front
8 the kinds of benchmarks that are going to be evaluated
9 not only from the perspective of is it working to
10 reduce abuse but might it also be loosened in order to
11 improve access for pain patients?

12 DR. KWEDER: Exactly. Yes, exactly. I
13 would agree.

14 ACTING CHAIRMAN KATZ: Dr. Carlisle?

15 DR. CARLISLE: Well, my question was
16 actually pretty much the same thing except with one
17 additional question about that. That is, has there
18 been any effort to tease out whether it was the -- in
19 the example 3, whether it was the restriction of the
20 drug or the safeguards that were put in on the patient
21 end of it that resulted in the absence of abuse?

22 DR. HERTZ: I don't know if I'm free to
23 discuss information obtained in these periodic
24 reports. So I think it's a little hard for me to
25 answer that question. I don't know how much of that

1 is proprietary.

2 DR. RAPPAPORT: No, we can't discuss it,
3 but we don't -- What we can tell you is we don't have
4 the information you are asking about. I think that
5 would be interesting to look at, along with the issue
6 of whether the programs are restricting drug use.

7 ACTING CHAIRMAN KATZ: Dr. Ashburn?

8 DR. ASHBURN: You mentioned in your
9 strategy slide the several strategies that the agency
10 is considering to use to try to balance the potential
11 for diversion with allowing access of the medications
12 for appropriate use.

13 One of your suggestions was limiting
14 prescribing to select physicians based on their
15 training and specialty. At least, that's what I got
16 from it, and that's what I was interested in trying to
17 ask whether or not such a strategy has been considered
18 or whether or not it had been implemented.

19 DR. HERTZ: In the risk management plan
20 for this product, any physician is capable of
21 prescribing the medication, but what was limited in
22 this particular plan was the detailing, in an attempt
23 not -- an attempt to make sure that, because of the
24 potential risk of the product, this wasn't simply
25 embraced as an analgesic that would be widely used

1 because of the risks involved.

2 So it wasn't -- It's not that there is any
3 physician in this country who cannot conceivably
4 prescribe it, but what we would like to see is that it
5 is prescribed in a manner consistent with its
6 development and its planned use.

7 ACTING CHAIRMAN KATZ: Dr. Schuster.

8 DR. SCHUSTER: In regard to Dr. Portenoy's
9 question, this is not a new problem. For many years
10 those of us who do preclinical abuse liability testing
11 may have predicted that a compound has less abuse than
12 is necessary for scheduling. It is scheduled under
13 the CSA, and then it is not abused.

14 When we raise the issue "but it's not
15 being abused," we are told that that's because it's
16 scheduled. I'm not -- The government has this
17 problem. I mean, it's just a problem, and we can't do
18 controlled studies with, you know, 25 of the states
19 having it scheduled and 25 not, unfortunately. But
20 it's just a general issue.

21 What I really wanted to ask was this, and
22 that is: I'm somewhat concerned, and I don't know
23 whether or not there is good data about this but
24 perhaps the FDA or other people here have some
25 indication of this.

1 When a new product is marketed for an
2 indication in which other marketed products have abuse
3 liability, I can tell you that it goes onto the Web
4 immediately. There are dozens, if not hundreds, of
5 Websites that deal with, hey, what's hot in drug abuse
6 today.

7 I would not be surprised that, regardless
8 of what this compound is, if it is for an indication
9 in which the vast majority of the medications that are
10 available for that indication are abusable, that it's
11 going to be experimented with when it is marketed. I
12 don't know whether or not how much abuse and how long
13 term does that have to be before it sets up a true
14 signal that this is going to be a long term problem.

15 I don't have an answer to this. I'm just
16 posing it as an issue that I think must be considered.

17 I can remember when smoking banana skins was the rage
18 for at least a three to four month period, and it died
19 out. Are there any histories of things that have been
20 marketed unscheduled for which there is a period of
21 experimentation and they drop off?

22 It could be confused if you impose a risk
23 management plan at that point that it's your risk
24 management plan that is responsible for this.

25 ACTING CHAIRMAN KATZ: Does anybody have

1 an answer to that question? Does anybody know? Yes,
2 Dr. Leiderman?

3 DR. LEIDERMAN: Well, I don't know the
4 answer to the question, but I'd like to make a couple
5 of comments more broadly.

6 One, I think we have all seen, and I tried
7 to make the point, that scheduling alone has very
8 little impact on what actually happens in the real
9 community. Most of the drugs that are under
10 discussion today that we are seeing data about are
11 already Schedule II. That's as restrictive as you can
12 be under the Controlled Substances Act for a medically
13 approved product.

14 I think what we are trying to do, what Dr.
15 Hertz is trying to do, is broaden the discussion and
16 talk about other ways that we as a public health
17 agency can begin to protect the public health, and
18 it's not just abuse. I mean, it's other kinds of
19 misuse, overdosing, accidental overdose of, you know,
20 potentially very dangerous substances.

21 Just to sort of balance Dr. Schuster's
22 point, I think we also need to look at the many
23 products that have gone out unscheduled, and we have
24 had to actually, in fact, experience problems in the
25 community and then reevaluate and move things the

1 other way. In fact, they do move both directions,
2 teasing out, in fact, if you actually do change the
3 behavior and the experience with that drug in the
4 community, what's due to the rescheduling act, the
5 education, natural sort of ebbs and flows in what is
6 popular in drug abuse. Virtually impossible to tease
7 out all of these, but I think the case studies are
8 worth looking at, and I think that's what Dr. Hertz
9 was really raising.

10 ACTING CHAIRMAN KATZ: Given that we are
11 already starting to discuss what we are here to
12 discuss, I'm going to finally let Dr. Hertz sit down.

13 thank you again. If you would like to sit down --
14 and launch into the question that we are speaking
15 about, which is -- People can find on their page.
16 That is entitled "Questions to the Committee,
17 Prescription Drug Abuse, January 31."

18 Just to read the question and continue the
19 discussion: In the context of increasing awareness of
20 the problems of diversion and addiction to
21 prescription opioids among patients and nonpatients,
22 comment on what measures might be appropriate to
23 consider in the development of an overall risk
24 management strategy that could reduce abuse and
25 diversion without restricting access to drugs by

1 patients in need of treatment.

2 So it's to the very issue that we have
3 just been discussing. Are we going to lose you at
4 2:30, Dr. Portenoy? At three? Okay, fine.

5 So why don't we continue the discussion,
6 and maybe focus it a little further on what risk
7 management programs do people around the table think
8 would be appropriate to consider in this context? Dr.
9 Max?

10 DR. MAX: I have a question for Dr.
11 Chilcoat before we go on. You did this in a press
12 conference of NIDA where they were announcing some new
13 programs. Can you speculate? Have they set aside
14 money to do opioid prescription drug abuse research?

15 DR. CHILCOAT: It was a program
16 announcement. So it wasn't particular setaside
17 monies. The money wasn't set aside. So it's just a
18 program of research that's being announced.

19 DR. MAX: And the scope of that was what?

20 DR. CHILCOAT: There's a wide range, I
21 think, as I recall, of research in terms of
22 prescription drug abuse, you know, ranging from sort
23 of basic laboratory studies to epidemiologic research,
24 just basically trying to both draw attention to that
25 as -- prescription abuse as a potential problem and an

1 area that's basically underinvestigated.

2 DR. MAX: And was -- I'm struck by the
3 fact that the few studies that people here presented
4 were the only ones I've ever known about to estimate
5 the incidence, the risk. Is there something we are
6 missing? Has NIDA been funding prescription drug
7 abuse research besides what you and the people around
8 the table presented?

9 DR. CHILCOAT: We are not funding -- They
10 are not funding my research, for prescription drug
11 abuse anyway. I just have done this on the side,
12 basically. I'm not sure. Obviously, you would want
13 to talk to someone from NIDA to know their portfolios
14 in that area. Maybe some other people might have --

15 DR. MAX: I've asked them recently, and
16 they said the person -- the official said nothing.

17 DR. CHILCOAT: There's very little -- I
18 mean, I --

19 DR. MAX: He may have not known.

20 DR. CHILCOAT: Yes, and if you look at the
21 -- Obviously, in terms of literature on epidemiology,
22 especially epidemiologic research in the area of
23 prescription drug abuse and dependence, it's obviously
24 quite sparse, and part of it is, you know, the data
25 available are okay but, you know, they are not

1 specifically designed with the idea of collecting it
2 for prescription drug misuse, particularly, and I
3 think some maybe recent studies may have had trouble
4 getting funded as well. I'm not sure in terms of
5 getting it through review committees as well. I mean,
6 there's a number of levels that --

7 ACTING CHAIRMAN KATZ: In the interest of
8 time, I want -- Let's make sure that we do our job
9 today, and I want to make sure we hit the issue of
10 what sorts of risk management --

11 DR. MAX: I'm finished.

12 ACTING CHAIRMAN KATZ: Next was Dr.
13 Ashburn. No? Am I calling you twice again
14 accidentally? Oh, sorry. Dr. McNicholas.

15 DR. McNICHOLAS: I have a question that
16 I'm going to ask Dr. Chilcoat to answer first, but let
17 me put it in the greater context.

18 One of the things that I have been
19 listening for all day and I have not heard, and I
20 don't think that we can really discuss risk management
21 plans without thinking about this, is what is the
22 source of the diversion of these medications? Is it
23 coming out of doctors' offices? Is it falling off the
24 back of a truck? Is it coming out of -- You know, and
25 where are -- and the reason I am going to address this

1 to Dr. Chilcoat is, when the National Household
2 Survey, for instance, looks at prescription drug use,
3 you ask did you use prescription drugs?

4 Is there any indication on how those
5 prescription drugs were obtained? Were they obtained
6 on the street corner or from the pharmacy through a
7 prescription?

8 So I don't think that we can look at this
9 as the only source of diversion is coming out of
10 prescriptions being then sold on the street corner,
11 and I think we need data on where the various sources
12 of diversion are and how we can address those via risk
13 management plans or something else.

14 ACTING CHAIRMAN KATZ: Dr. Chilcoat, do
15 you have an answer for that question?

16 DR. CHILCOAT: Yes. Basically, the
17 National Household Survey doesn't ask specifically
18 about that. Obviously, the problem is that these
19 questions are nested in a survey that takes over an
20 hour anyway, and they are doing 50,000 interviews. So
21 the questions are more, you know, have you used --
22 They talk about -- describe pain relievers, and then
23 ask about specific use, and the extramedical question
24 lead-in that I presented to begin with. But to my
25 knowledge there is no knowledge in --

1 ACTING CHAIRMAN KATZ: Mr. Davis from the
2 DEA, is there an answer to that question? What
3 proportion of prescription analgesics that are abused
4 come from what sources, patients legitimate prescribed
5 versus prescription rings versus imports from out of
6 the country versus Internet ordering versus --?

7 MR. DAVIS: It would depend upon your
8 perspective. There might be more cases involving
9 doctor shoppers and prescription drug rings than
10 actual practitioners diverting controlled substances.
11 However, one practitioner may divert many times the
12 number of controlled substances, pharmaceutical
13 controlled substances, than a street level diverter
14 may.

15 So in that regard -- So in answer to your
16 question, in that context we don't keep specific
17 statistics on the number of controlled substances
18 diverted by one source or another.

19 ACTING CHAIRMAN KATZ: Thank you. That's
20 very helpful. So it sounds like -- and this is my
21 understanding as well -- that there are multiple
22 sources of diverted drugs. However, at least the DEA
23 perspective is that the physician source, be it
24 legitimate or nonlegitimate, prescribing remains a
25 source worthy of risk management. Is that a fair

1 summary, Mr. Davis, of that?

2 I skipped over you, Dr. Roberts, earlier.

3 We had you on the list. Is it still -- Did you still
4 want to speak to the issue of appropriateness of risk
5 management planning? Please go ahead.

6 DR. ROBERTS: Well, a couple of thoughts.

7 I mean, as you look at the distribution system,
8 physicians and other prescribers are sort of the sales
9 force, as it were, at the retail level. What I'm
10 hearing is that the number of times that the DEA or
11 other agencies are able to prosecute successfully
12 actions against those prescribers for inappropriate
13 prescribing is actually very rare, 79 out of 950,000
14 prescribers.

15 Twenty years in the risk management world
16 has taught me two things about at least doctors'
17 behaviors. The first is regression to the mean, and
18 the second is inertia.

19 If you give doctors data back on what they
20 are doing and show them to be outliers relative to
21 their peers, most of them will scramble like crazy to
22 get in the middle of that curve.

23 The second thing is, once they get there,
24 it's damned hard to move them out again, because they
25 tend to sit where they are comfortable. So my piece

1 of advice on that is with any risk management program,
2 if you can get them where you want them right out of
3 the gate, that's best. But whenever you get them
4 where they are, then leave them alone, because they
5 will stay there.

6 So that leaves then the second sort of
7 level to this, which is, you know, right or wrong, the
8 sales force has done its job; now what happens?

9 I think one of the dilemmas that we have
10 as a people is, you know, we are always going to try
11 something, whether it's smoking banana peels or
12 licking frogs or, you know, the latest drug du jour.
13 People are going to be scraping Fentanyl off of
14 patches and trying something.

15 You can't have it both ways. I mean, we
16 can't say, on the one hand, yep, we expect a certain
17 level of diversionary and addictive behavior and, oh
18 by the way, Mr. and Ms. America, you're on your own
19 once that happens. We've just got to get, I think,
20 more serious about treating addiction as the disease
21 that it is.

22 That means a fairly comprehensive national
23 strategy that's adequately funded and, to be blunt
24 about it, we haven't done a very good job, whether you
25 talk about the drug czar and the policies we have had

1 there which have been primarily focused on
2 interdiction rather than prevention and treatment, and
3 even the FDA.

4 I mean, look at the track record around
5 OTC advertising. It's not left most of us as
6 prescribers exactly sanguine about the ability to
7 positively impact patient and public attitudes around
8 the proper use of medications. So we've got a long
9 way to go.

10 ACTING CHAIRMAN KATZ: Dr. Portenoy?

11 DR. PORTENOY: What kind of frog? It's a
12 little bit exciting to me to think that the FDA could
13 influence not only the public health but also the
14 process of gathering the data we need through risk
15 management programs that incorporated outcome measures
16 that were scientifically valid.

17 I want to understand a little bit better
18 what the FDA can actually ask industry to do. For
19 example, a part of a risk management plan could be
20 education, but we know that education can be done on
21 the cheap and be quite limited or it can be done in a
22 national way using experts and can be extremely
23 expensive.

24 We know that outcomes collection can be
25 done in a relatively unsophisticated way using

1 available datasets or it can be done in a way that is
2 very sophisticated involving innovative new data
3 collection, a way of really drilling down and probing
4 to answer some of the questions that have not been
5 answered today.

6 So I want -- If in fact, the agency would
7 have that kind of authority to work with a company and
8 create a risk management plan that incorporated the
9 outcome data, and one would think that it would then
10 include in that model what would happen with certain
11 outcomes, I think that would be extremely positive.
12 But I just want to understand.

13 I think we all need to understand what the
14 parameters are.

15 DR. KWEDER: The answer to your question
16 is, yes, we can do that. I will say that, you know,
17 this is a new area for us. You know, 20 years ago, 15
18 years ago, ten years ago and even in some places
19 today, the model had been, you know, FDA's job is to
20 put a product on the market and then let the world
21 take it. That has really, really changed.

22 You know, as public expectations have
23 increased about our ability to influence risk, we have
24 had to look at things very differently. We have
25 several regulatory tools at our disposal, certain

1 kinds of approvals that allow us to really work very
2 closely with companies to mandate that they provide us
3 with metrics that assure us that risks are being
4 managed for the product appropriately.

5 Some of the most visible examples of that
6 are the way that thalidomide is marketed -- very, very
7 tight metrics. We have other examples of it that
8 aren't quite so tight, but part of the trick here is
9 to figure out what the questions are.

10 What are the outcomes you are really
11 interested in? Is the outcome that you want just
12 physicians to be educated, for example, and how can we
13 measure that and know that the people who are
14 prescribing the medicine understand its risks. That's
15 one piece.

16 We also want to influence behavior. So
17 what are the outcomes that measure behavior are things
18 that we need to think about.

19 The comment that was made by the gentleman
20 to your left was an important one. Doing that,
21 imposing these risk management plans when the product
22 is first coming out of the box is, we know from years
23 of experience and actually studying this, our greatest
24 opportunity to influence and manage risks in a
25 positive way.

1 It is extremely difficult for us to work
2 with companies to build successful risk management
3 programs once prescribing patterns are established.
4 We know that from decades of experience, that once
5 prescribing patterns are established, they are
6 extremely resistant to change. We are comfortable
7 where we are.

8 So some of our questions today really
9 speak as much to how do we do it out of the box, and
10 what are the kinds of things that could be put in
11 place and the kinds of metrics you would be interested
12 in, so that we can do that well?

13 ACTING CHAIRMAN KATZ: Dr. Portenoy?

14 DR. PORTENOY: Yes, please. I think this
15 is really terrific, but I do want to -- I want to
16 suggest to you that the clinical community, if I could
17 be so presumptuous as to speak for the clinical
18 community, would be totally on board with that.

19 The concern is always going to be in
20 several areas. Number one, what sort of delays get
21 built into the drug release process by the need to
22 have a risk management plan? Is it fair to have a
23 product that's been studied, everybody in the
24 community knows it's safe and effective, but then to
25 have it delayed two years to come out while that is

1 being developed --

2 The second thing is whether or not the
3 risk management plan appears on the surface, at least,
4 to be unduly influenced by politics. That is a
5 credibility issue. The clinical community gets very
6 nervous when we think that that happens.

7 The third is: Is the risk management plan
8 appropriately informed by expert review? So if the
9 clinical community gets a feeling that the decisions
10 are being made somewhat capriciously by people who
11 don't treat patients and don't really know the data or
12 know the complexities of the data, then we get
13 nervous.

14 I would think that it would be
15 extraordinarily positive from both the scientific and
16 the public health perspective to move forward on that
17 kind of initiative, with the provisos being you got to
18 speed up the process, you got to free it from
19 politics, and you got to get appropriate expert review
20 as you move forward in order to create datasets that
21 have appropriate benchmarks.

22 DR. KWEDER: I certainly wouldn't argue
23 with that. In order to achieve all those objectives,
24 though, the planning and the risk management needs to
25 begin during the development phase. The worst

1 situation is to get to the point where all the data on
2 an application are before the agency, and all of a
3 sudden say, oh, my goodness, there's a problem here.

4 That does happen, because we don't
5 necessarily see the data until it comes to us. So
6 that's where the rubber meets the road and it becomes
7 a challenge for us.

8 I think our approach is to do this
9 increasingly. We have some working groups, for
10 example, with the pharmaceutical industry more
11 generally to try and do some of these sorts of things.

12 In fact, we will probably be holding a public meeting
13 in this calendar year to look at this issue more
14 broadly, because it is absolutely not unique to this
15 therapeutic area.

16 ACTING CHAIRMAN KATZ: Dr. Portenoy, since
17 you are on a roll, I'm going to ask you to continue.
18 When you first ask your question, it sounded like you
19 were starting to frame out the possible components of
20 a post-marketing risk management model that could be
21 used to address some of the important issues that we
22 heard and mentioned earlier.

23 I wonder if you could just continue to
24 elaborate on what the elements of that model might
25 consist of, what it would focus on, how it might

1 address your benchmarking behavioral measures, that
2 sort of -- those issues.

3 DR. PORTENOY: It seems to me that so much
4 of this kind of preliminary work has been already done
5 in the presentations we just heard, in the sense that
6 if it's a pure mu agonist drug, if it's going to be
7 scheduled under Schedule II, then it's clear that the
8 planning has to be done early on, and it has to be
9 part of the discussions that happen between the agency
10 and industry right off the bat.

11 If it's an issue of a delivery system that
12 could potentially be misused, it sounds like there are
13 going to be issues related to physician education,
14 patient education, and marketing. Those can be
15 addressed along the way in order to have a reasonable
16 plan that would be informed by expert review sort of
17 divorced from the politics of the situation.

18 Then I think this issue of data collection
19 and mandating within the appropriate understanding of
20 cost, but mandating some additional creative data
21 collection, some of these prospective, systematic
22 surveys where we are looking at outcomes related to
23 chemical dependency as well as outcomes related to
24 analgesia and side effects and outcomes related to
25 functional -- physical and psychosocial functioning.

1 That kind of stuff can be done, I think,
2 and really augment some of the available datasets and
3 begin to answer the question which has two sides, the
4 first side being have we prevented more prescription
5 drug abuse, which we all think is important, but the
6 other side which hasn't had the spotlight shone on it
7 yet is does risk management -- does this intensive
8 focus on the drug abuse possibility actually limit
9 access to appropriate patients because of physicians'
10 reluctance to prescribe things that look so dangerous
11 that they have this kind of plan attached to them?

12 You have to be able to show both, I think,
13 with data over time, and then be willing to release or
14 reverse some of the stringent requirements of a risk
15 management plan if it looks like you are doing harm to
16 patients who have legitimate needs.

17 ACTING CHAIRMAN KATZ: At the risk of
18 allowing a small number of people to dominate the
19 conversation, that was very helpful, and I'm going to
20 ask you to push it even further now and give us a
21 sense for what specific sorts of elements you think
22 would help meet the goals that you just achieve in
23 terms of how precisely it might be done.

24 Of course, it's premature, and there are
25 many pros and cons. Many people need to be involved

1 in the discussion, but let's begin the discussion, if
2 you don't mind, by laying out at least a possibility
3 for how specifically such a program could accomplish
4 its goals.

5 DR. PORTENOY: Well, I'll only make one
6 comment, and then I really will stop.

7 A very provocative area nowadays is how do
8 you educate physicians to change practice? I've been
9 lecturing to physicians for a long time, and over the
10 years have gotten less inclined to do it because no
11 one ever listens to me, and it's just like going --

12 So I would be very interested, for
13 example, in creating outcomes assessment work that
14 would allow us to evaluate quality improvement
15 methodologies and more sophisticated adult educational
16 methodologies, including Internet based methodologies
17 as a way of changing knowledge and skills; because we
18 are talking about skills building here in physicians.

19 We are not just talking about knowledge, and the
20 lowest end is really nothing. A CME -- filling out a
21 CME document to get your Category I credit means
22 nothing.

23 So we're talking about outcomes assessment
24 that's a little bit more sophisticated from the
25 physician education perspective. Then we are talking

1 about prospective systematic surveys that have a large
2 enough number of patients so that you can begin to
3 look at primary outcomes, and then do more
4 sophisticated multivariate analyses after, so that we
5 can begin to look at the predictors of negative
6 outcomes; because ultimately it may come to a risk
7 management program that's focused on specific patient
8 populations who are at high risk to develop aberrant
9 behaviors.

10 Until we do those prospective surveys and
11 collect the data on comorbidities and psychiatric --
12 other psychiatric and substance abuse covariates, you
13 are never going to be able to get that kind of data.

14 So in addition to looking at the large
15 datasets like ARCOS and DAWN and all of those, I would
16 think, for example, a risk management program could
17 actually tap into community based prescribers around
18 the country and, in the same sort of methodology that
19 we've been doing for 25 years, do prospective surveys
20 of patients who get exposed to the drug, looking at
21 this range of outcomes in order to answer the
22 question, what actually happens to patients who get
23 exposed to the drug.

24 ACTING CHAIRMAN KATZ: It sounds like a
25 patient registry of some type. Okay, I'd like to

1 focus comments specifically on the nuts and bolts of
2 our risk management plans. We have a whole order of
3 folks which I will try to follow as well as I can.
4 Dr. Reidenburg, in fact, you were next.

5 DR. REIDENBURG: Yes. On this point and
6 looking at the first two questions on the current
7 prevalence of addiction or monitoring addiction, in
8 this patient population I think we would be far better
9 off looking at observational data or behaviors rather
10 than trying to come up to the conclusion of addiction.

11 For example, when I look at the official
12 definition of addiction, one behavior is compulsive
13 use. I see lots of patients given short acting
14 opiates that last two to three hours on an every four
15 hour schedule having exceptionally compulsive use.

16 Similarly, continued use despite harm: I
17 will see patients who, after an active day followed by
18 a rainy day like this, they will take opiates to get
19 relief and have what I call side effects that in the
20 presence of a healthy adult recreational user would be
21 called harm.

22 So I think that it would be far more
23 helpful in this context of looking at patients getting
24 the drug to treat pain in practice to define very
25 specific behaviors or observations that we say in this

1 context is undesirable rather than letting somebody
2 make up what they think is addiction using this
3 official definition in places that, in my opinion, is
4 inapplicable to the kinds of issues that we want to
5 address.

6 ACTING CHAIRMAN KATZ: So what you're
7 saying then is that, of all the elements that Dr.
8 Portenoy just outlined he feels would be important in
9 a risk management program to track, from making sure
10 that we are not excessively limiting access of
11 medication to patients who need it, from tracking
12 positive outcomes like efficacy and improvement in
13 quality of life, etcetera, also the variety of
14 negative outcomes we're interested in, one of which is
15 addiction -- you're speaking about that specific issue
16 of how one would measure addiction in the context of
17 that type of program.

18 What you are suggesting is that it has to
19 be concrete and doable and not overly fanciful or
20 conceptual.

21 DR. REIDENBURG: And relevant to these
22 kinds of patients.

23 ACTING CHAIRMAN KATZ: And relevant to
24 these patients, right. Any other comments on the
25 issue of how one would measure addiction in the

1 setting of this type of measurement program, since
2 that's what we are talking about right now?

3 Now we do have an order that I will follow
4 as long as people's comments are relevant to the issue
5 at hand, and Dr. Anthony, you were actually next on
6 the list. Is this an issue that you would care to
7 comment on?

8 DR. ANTHONY: Sure. Let me log just for a
9 moment, though, so that you will get it back on the
10 agenda, the issue of comparison of different risk
11 management plans under experimental or nonexperimental
12 conditions. So that will be for the future.

13 With respect to measuring, the National
14 Household Survey on Drug Abuse now has a sample of
15 more than 70,000 people a year, and probably will grow
16 a little bit more over the next several years. They
17 are asking seven items on features of dependence,
18 which could be asked routinely in a clinical setting.
19 Not very difficult to ask those questions.

20 In fact, the methodology is one which can
21 be standardized so that the method in the clinic is
22 essentially the same as in the field. Put on the
23 headset, listen to the questions, see them on the
24 computer screen, and respond to the computer screen.

25 I don't know that I believe completely the

1 validity of the measurement of dependence in that
2 context, but having a fidelity and a cross-
3 collaboration between the clinical setting and the
4 epidemiologic field setting would be immensely
5 valuable and would allow you to reference whatever
6 findings you had in your clinic to that accumulating
7 pool of non-patients who are being seen out in the
8 community. So that would be one approach to
9 measurement that I would like to recommend.

10 ACTING CHAIRMAN KATZ: That's a very
11 important point. Any other comments with respect to
12 the issue of how one would measure addiction in a
13 context of such a risk management program? Dr. Max?

14 DR. MAX: I heard the speaker say, for one
15 thing, we are not sure what works in risk management.

16 As someone said, it's a shame we can't randomize the
17 50 states, because we are the Federal government. But
18 actually, as you suggest, we could if it were one
19 company doing it, build some beautiful controlled
20 interventions, like one behavior: People have said
21 that Kentucky has electronic measurement of which
22 patients are going to multiple pharmacies, which I
23 would bet would be a reasonable subset of all the
24 different diversion classes the DEA mentioned to us.

25 So I think it would be quite easy to go

1 into Kentucky and randomize counties if one particular
2 company was doing one level of risk management in some
3 counties and one in another and look at the use of
4 multiple pharmacies as one of the outcomes.

5 ACTING CHAIRMAN KATZ: There are actually
6 -- I think the number is now 17 states with electronic
7 prescription monitoring programs that can be used
8 potentially on that level. My experience with them is
9 that they are quite happy to collaborate in these
10 sorts of projects. We are working with Massachusetts
11 right now.

12 Any other comments on the issue of how one
13 would measure addiction in a context of a risk
14 management program? Mr. Bloom, you actually were next
15 anyway.

16 MR. BLOOM: Thank you. Yes. Actually, I
17 would like to agree with the doctor. Certainly, being
18 a person that is medically dependent on the opioids
19 for nine years now, and gone through the whole gamut
20 of being undertreated to finally being properly
21 treated, I think that, you know, looking at the
22 patients and looking at the pain clinics and seeing
23 what pain clinics work and what things that they are
24 doing currently now to manage the patients properly
25 and what procedures they are using would be

1 extraordinarily helpful.

2 I know the pain clinic that my partner and
3 I both go to at GW would be certainly -- you know, be
4 able to provide a wealth of information on how they
5 control the management of pain. I found Dr. Passik's
6 presentation to be quite compelling.

7 One of the questions that I had for him --
8 I, unfortunately, didn't get to ask the question, but
9 like in the pain clinic that I'm in now, that
10 reduction down to 5.3, while significant, would be
11 considered inadequate pain relief at the pain clinic
12 that I'm on, because on the scale of one to ten, the
13 goal at the pain clinic is to get down to a 2 to 3.

14 It's by having a baseline therapy,
15 including another treatment for breakthrough pain. I
16 think, if we can do that kind of surveying of existing
17 pain centers now and using the 17 states with some
18 prescription history, we could probably collect some
19 data like we have done with AIDS where we have done
20 some prospective looking back data to get some
21 information about this.

22 The one problem I have is I am very
23 uncomfortable with the question that says the agency
24 is aware of the growing problem of abuse, misuse. I
25 think it's much better to say the agency is aware of

1 the growing perception of the problem of abuse and
2 misuse.

3 When we are saying we don't have enough
4 data to say that statement, and the next question is:

5 Discuss the adequacy of the available data -- it's a
6 little disconnect between the first thing and the
7 second thing.

8 ACTING CHAIRMAN KATZ: So, certainly, one
9 take-home message from your comments is that any sort
10 of risk management would appropriately be informed by
11 people who already are doing that very type of risk
12 management in the context of their own practices,
13 which gets back to Dr. Portenoy's recommendation on
14 beginning and ongoing expert review by individuals
15 from the clinical community.

16 Now we are losing you at three, Dr.
17 Portenoy. We're losing you, too, at -- Sorry? 3:30?

18 Have you for a little while. Well, it's a minute or
19 two of three. I want to try to emphasize folks who
20 are leaving shortly and making sure we have thoroughly
21 picked over their brains before they go.

22 Did you have any final comments in the
23 last few minutes before you go?

24 DR. PORTENOY: The only comment I would
25 make about the metric to evaluate addiction in

1 patients is the obvious one, and that is that we
2 really don't know for sure -- at least, I'm not
3 convinced that the standardized interview approach to
4 categorizing patients as having addictive disorder or
5 not having addictive disorder applies across the board
6 to all pain patients receiving opioids for legitimate
7 pain problems.

8 Because we don't know that, the studies
9 have to be done that validate those sorts of
10 interviews by also comparing them to other kinds of
11 patient behaviors of the type that Steve Passik put on
12 the screen.

13 If the agency could have a positive effect
14 by actually mandating in an appropriate situation that
15 kind of comparative data to be done at the same time,
16 it would be a very useful approach for perhaps
17 validating a metric that would be useful in the
18 future, and also answering this question that's been
19 out there a long time. How do you define addiction
20 when people have chronic pain?

21 ACTING CHAIRMAN KATZ: Actually, I'd like
22 to -- Dr. Hertz, go ahead.

23 DR. HERTZ: Thank you. I just want us to
24 clarify one point. We definitely have tools that
25 provide us the ability to mandate these risk

1 management plans in certain circumstances for a large
2 number of our products that we are dealing with here
3 today.

4 We are not going to be putting the product
5 and the risk management in a mandated position. It
6 would be something that would be very extensive and
7 not necessarily a practical thing to do.

8 So when we perceive a significant public
9 health situation risk and need, we are willing to
10 utilize the tools available in terms of mandating, but
11 what we really need is the cooperation of industry and
12 the cooperation of investigators to help compel the
13 use of these studies and the resources available to
14 help us implement these risk management plans in a
15 prospective manner, to collect data when available, to
16 start collecting data during the studies.

17 You know, we would have a lot more to
18 inform what to put in the risk management plan if we
19 could start collecting this data early in the process,
20 and that's when the investigators, and a lot of folks
21 here are investigators -- that's when you have your
22 hands on all this great material, your subjects, you
23 know, the hundreds and hundreds of people
24 participating in the trials, that we can use to sort
25 of begin as almost piloting some of this collection of

1 data and ultimately inform for the risk management
2 plans.

3 ACTING CHAIRMAN KATZ: I would like to
4 introduce -- to inject one issue now into the
5 conversation before we lose Doctors Portenoy and
6 Passik completely, which is that, if one is monitoring
7 for addiction or other similar outcomes in the post-
8 marketing or clinical setting, is patient self-report
9 with or without the physician reporting sufficient to
10 identify these syndromes that we are concerned about,
11 addition, etcetera, or do we need to do a proper job
12 of this external sources of information as well, such
13 as the electronic prescription monitoring data such as
14 urine toxicology screens, such as spousal reporting,
15 that sort of thing?

16 There certainly have been a number of
17 studies done in the pain management literature that
18 begin to look at -- scratch the surface of the issue
19 of the validity of self-report in that population.
20 There have actually been four studies done, and
21 without going into the details unless anybody wants,
22 all four of them suggest that patient self-report of
23 medication use in the chronic pain setting is not
24 terribly useful or gives only a very small part of the
25 picture.

1 So I would ask the Committee to comment on
2 whether they feel it would be appropriate to rely on a
3 measure such as self-report, which at least
4 preliminarily does not seem to be terribly useful.

5 Dr. Foley?

6 DR. FOLEY: I think I'm having a lot of --
7 I'll respond to your question, but it's in the
8 framework of my concern about trying to answer this
9 question.

10 For a patient to be identified as an
11 addict has consequences that are very, very different
12 than misuse of other drugs, because it then sort of
13 moves into this sort of potential for criminal
14 activity and, if they are identified as an addict,
15 then physicians cannot treat them with opioids.
16 There's a whole variety of rules that follow from
17 that.

18 So just this terminology is problematic.
19 I would rather use a language that we are trying to
20 prevent diversion and -- prevent drug diversion into
21 another group of individuals that might be using it
22 who should not be using it.

23 So this language of addiction, I think, we
24 should just like stop with. I think we should talk
25 about criminal activities related to the use of this

1 drug, because that's what we really are talking about.

2 That's all we can easily identify, and that gets at
3 your point, that the pattern of that individual will
4 be someone who is using a variety of illegal
5 substances, who has a urine toxicology filled with
6 these other substances.

7 Those kinds of identifications would be a
8 better way, if we talk about this. And I think the
9 risk management issues that we have to address here
10 are very different than they are with other drugs,
11 because of the social and the legal consequences of
12 someone using these drugs.

13 It's a very, very different perspective.
14 Then it places physicians in the part of being
15 policemen along with something else. I think that
16 isn't coming into this discussion.

17 So I think that there are clearly a need
18 for risk management plans that should be identified,
19 but I want to hear a way that we talk about this as a
20 medical issue and not as either a political or as a
21 criminal activity.

22 ACTING CHAIRMAN KATZ: Thank you. Let's
23 try to -- Dr. McNicholas, you were on deck for a
24 while.

25 DR. McNICHOLAS: Okay. Actually, I want

1 to second several things that Dr. Foley just said.
2 First of all, if a patient has a legitimate pain need,
3 whether they have a history of substance abuse or not,
4 the legitimate pain need needs to be addressed, and to
5 say that their use of opiates in that context is
6 addiction is meaningless.

7 You need to manage the patient, and I
8 think that Dr. Passik's data on a patient in a
9 recovery program with the appropriate support doesn't
10 misuse their medication anymore than anybody else does
11 is exactly the point that we need to do here.

12 The other thing -- and I want to second
13 what Dr. Foley just said. That is we are not talking
14 about patients necessarily misusing their medication.

15 We are talking about diversion to a nonpatient
16 population, and that's where I think that when we are
17 looking at using the databases, etcetera -- and coming
18 back to your question, first of all -- self-report is
19 going to be meaningless, because, first of all,
20 patients don't know what you're asking them.

21 If you ask them if they are an addict and
22 they think that physical dependence is addiction, they
23 are going to say yes and be wrong. And if they know
24 that they are an addict, they are going to say no and
25 be wrong. So I think that self-report is -- The

1 people who say yes are the ones who don't understand
2 the question.

3 So I think that asking for self-report
4 among the patient population is meaningless, frankly.

5 But I think that there are a couple of points that we
6 want to look at when we are looking at diversion to a
7 nonpatient population, and that's where we are looking
8 at databases and that sort of thing.

9 There are some things that we need to look
10 at, one of which Dr. Schuster brought up earlier.
11 That is: I treat substance abuse. If there's a new
12 kid on the block, my patients are going to try it. So
13 I think that, when we are looking at risk management
14 proposals, we need to build in the ability to see
15 whether or not we are going to have an experimentation
16 phase, because chances are you're going to see a blip.

17 Now whether the blip continues going up,
18 whether the blip is a blip is really what the risk
19 management program needs to take a look at. We had a
20 medication that came on the market several years ago,
21 and there was a definite blip, and then patients who
22 were real drug addicts when they used it, and you went
23 and asked them whether they would use again, it's ah,
24 I didn't get anything from it.

25 It came right back down to baseline,

1 basically, after about a year. But you have to build
2 into the risk management program the known
3 experimentation that is going to occur with a
4 subpopulation of people when there is something out
5 there that says it acts like an opiate. Well, my
6 patients are going to try it.

7 ACTING CHAIRMAN KATZ: Very important
8 point.

9 DR. McNICHOLAS: The other thing that I
10 think we need to look at is the denominator. If you
11 write a million-two prescriptions for a medication and
12 you have ten instances of abuse, is that a significant
13 incidence of abuse?

14 So I think that we need to look at what is
15 the appropriate denominator when we are looking at
16 these databases and instances of abuse and diversion,
17 and what are the appropriate comparisons. Is the
18 appropriate comparison drug fentanyl? Is the
19 appropriate comparison drug morphine? Is the
20 appropriate comparison drug codeine?

21 If you have no more instances of abuse
22 once you are past the blip than you do with codeine or
23 with morphine or anything else, do you need to
24 continue with this kind of monitoring, and is it
25 anymore of a risk to the public health than other

1 drugs that are out there and being used appropriately
2 for the benefit of our patients.

3 ACTING CHAIRMAN KATZ: Very helpful.
4 Thanks. Actually, Dr. Holmboe is next, followed by
5 Dr. Ashburn and Dr. Max.

6 DR. HOLMBOE: I'd like to more
7 specifically address the issues of abuse and misuse
8 and not as much diversion at the current time,
9 particularly in regard to the risk management program.

10 Several issues I would raise. The first
11 is I think that there are a number of guidelines that
12 are out there. One of the things, I think, the drug
13 companies could do, and FDA could help assist, would
14 be, one, to try to bring those into some degree of
15 consensus.

16 More importantly, I think we need to
17 operationalize those guidelines. So learning from the
18 health services research world. We need to get those
19 into the trenches that are more usable form.

20 We have some lessons that we can learn
21 from the inpatient setting in things such as critical
22 or clinical pathways, standard disorders, algorithms,
23 etcetera. Although they have met with mixed results,
24 we don't have a lot of data in the outpatient setting.

25 I think that's one thing that has been shown to help

1 operationalize those sorts of guidelines.

2 Reminders have been shown to be effective,
3 and again I refer people to the Cochran Collaboration
4 systematic database to look at these health source
5 interventions as a source to help guide work in this
6 area.

7 The second thing I would point out, that
8 when we think about education and communication, it's
9 going to occur at multiple levels, which really adds
10 to the complexity. You have the FDA and government
11 that has to go directly to the public. Also it has to
12 go to the MDs, has to go to the company.

13 The company has to go to the patients, has
14 to go to the MDs. The MD then has to talk to the
15 patient. The pharmacist has to talk to the patient.
16 So I think there are multiple layers of complexity
17 here that one needs to take into consideration when we
18 decide educational approaches, particularly when we
19 are talking about educating patients, who I think have
20 been left out of this discussion somewhat with regard
21 to how do we best access them in an educational point
22 of view to make them skillful in taking their own
23 medications safely.

24 One way to do this would be to consider
25 the use of a Mediguide, which has been used by the FDA

1 for other drugs. That may be appropriate for certain
2 narcotic formulations, and I would recommend to look
3 into that.

4 The last that I would bring up may be more
5 controversial, but I would consider that perhaps --
6 and I'm not sure this is the right class of drugs, but
7 we need to do more what I'd call competence based
8 prescribing.

9 Although the FDA has been successful in
10 restricting the use of certain drugs by restricting
11 the detailing and distribution, we have to look at the
12 other side of the coin. We've talked a lot about
13 being able to educate physicians to use these drugs
14 appropriately.

15 What we haven't talked about is how do we
16 ensure that they are competent to prescribe these
17 medications safely and appropriately. I think we need
18 to look at that more closely. I think there may be
19 drugs that I think should require a certain level of
20 demonstration of competence to use these drugs, and as
21 Dr. Portenoy talked about, Web-based training has been
22 used in other settings and it has been shown to be
23 successful. I've done a number of them myself for the
24 U.S. Navy in the past. So I think that's a model to
25 look at.

1 I think, finally, for patients I think we
2 also would recommend looking at the shared decision
3 making programs that have been used successfully in
4 other conditions such as cancer, prostate cancer
5 screening, for example, by Michael Barry up at
6 Harvard.

7 So those are some of the recommendations I
8 would have to consider for a risk management program.

9 ACTING CHAIRMAN KATZ: Thanks. It may be
10 of interest that after the JCAHO recommendations came
11 out, which required that all hospitals demonstrate
12 that all of their health care providers are competent
13 to manage pain, we actually produced a Web-based
14 educational program on pain management specifically
15 with that in mind with the institution being the
16 client such that they could use that to help make sure
17 that all of their physicians were competent.

18 That actually just got launched a few
19 months ago, and it's been widely subscribed to by a
20 number of institutions.

21 Dr. Ashburn, you were next.

22 DR. ASHBURN: I'm going to be looking at
23 Steve and Dr. Foley for a few minutes for guidance. I
24 just wanted to start from a little bit higher altitude
25 to try to get my hands around this, and then guide my

1 comments.

2 First of all, it sounds to me like we do
3 not currently have good grasp on what brands of
4 opioids are currently being diverted, prescribed
5 opioids. In other words, on the oxycodone issue we
6 really don't know what the prevalence of diversion is
7 and in what flavors they come. Would you tend to
8 agree with that?

9 We know that some are being diverted, some
10 are not, but we know that oxycodone in general seems
11 to be increasing in interest, by the data we got this
12 morning, but there are no data available to show where
13 the oxycodone is coming from.

14 In addition, it strikes me that we don't
15 know the source of that medication. Even as
16 importantly, we don't know whether it's coming from
17 the large theft of Oxycontin in Mexico that occurred,
18 100,000 or 200,000 pills that were stolen, or whether
19 it's really coming from physicians and from people who
20 are doctor shopping. What is the incidence of
21 problems with regard to the area?

22 That brings me to the area of: When you
23 look at a risk management plan, what is your goal? Is
24 your goal to try to avoid diversion for illegal or
25 illicit use or is your goal for a risk management plan

1 to not have patients have harm, or both; because if
2 you are looking at thalidomide, the goal is to try to
3 make sure the drug is administered correctly so
4 patients don't die and the wrong patients don't get
5 it, so the patients don't have birth effects.

6 If you don't look at the goals -- because
7 my concern is that we are mixing the risk of diversion
8 of the drug for illicit use with the concern that
9 patients may not be using it appropriately, which most
10 of us would argue underuse is the biggest problem with
11 opioid prescribing, with the risk of the societal
12 concern about addiction, and we don't even know
13 whether or not prescribed drugs coming from physicians
14 is going to be a source of sustaining addictive
15 behaviors.

16 With regard to education on that area,
17 that guides how you educate. I mean, I get really
18 nervous when we talk about competence based
19 prescribing, only because it's my opinion that NSAIDs
20 are probably much more dangerous of a drug than
21 opioids with regard to abnormal prescribing patterns,
22 and I doubt seriously whether, politically or
23 otherwise, people would agree that we need to have
24 competence based education for a prescription of
25 ibuprofen, even though I would argue that it's

1 probably more important to teach people how to
2 prescribe NSAIDs correctly.

3 So wrapping it up, lastly I just wanted to
4 mention, when you talk about a monitoring program
5 listed with a risk management program, my concerns are
6 that we are -- this community is tending to combine
7 again, like we talked about yesterday, real society
8 needs that for prospective observational studies to
9 get a handle around these issues which really ought to
10 be investigator generated, NIH grant supported stuff,
11 as opposed to things that we ought to expect
12 pharmaceutical companies to do.

13 I guess -- I just want to share that
14 concern. We really need to know about addiction. We
15 need to know about these things, but how much is
16 appropriate with regard to monitoring for safe use,
17 and how much is monitoring for diversion? I just
18 wanted to express that.

19 ACTING CHAIRMAN KATZ: Please.

20 DR. LEIDERMAN: I just wanted to make one
21 comment. I'm really glad you finished up by
22 mentioning safety, because I think we've moved a
23 little bit too far into the sort of criminal or
24 "diversion" arena and need to place this squarely back
25 in the safety realm. And if we even go back to some

1 of the cases that -- the examples that Dr. Hertz
2 described, many of the signals that began the
3 reassessment of the drugs' proper use were, in fact,
4 death.

5 Let's talk about that, not being sold on
6 the street and DEA coming to us and saying, you know,
7 gee, we are really concerned about this street
8 problem. We are talking about initially a patient
9 becoming dependent and overusing and dying or a child
10 and a family that contained a patient who was
11 legitimate prescribed it dying.

12 So let's kind of bring that back to the
13 medical risks. I just want to clarify. There is
14 certainly lots of different interpretations and
15 definitions of the terms abuse and addiction and the
16 way DSM III or IV or another community may use these
17 terms. It's going to vary enormously.

18 I'd like to come back to -- I think we can
19 all agree on abuse or misuse, and one of our big
20 concerns, of course, is the individual who experiments
21 with -- Again, potentially these are very potent drugs
22 -- for the first time in the wrong setting, and dies
23 or suffers serious sequelae.

24 So let's come back, I think, to that
25 public health framework.

1 ACTING CHAIRMAN KATZ: Mitchell?

2 DR. MAX: I agree with Mike's point, that
3 I see two different types of studies. One is the
4 unit, is the patient evaluation. That's a long term,
5 say one year evaluation of individual patients of a
6 particular diagnostic group, evaluating their benefits
7 and risks, including behavioral effects of the
8 opioids.

9 The second, a different type of program,
10 is this kind of risk management where we are really
11 looking for fiascos, you know, at the level that you
12 could pick up with the electronic record.

13 The one thing I want to add on that is
14 that -- Dr. Levy is gone, but I think the state board
15 people -- they are so impressive in what they have
16 given us. They could be some of the people to define
17 the endpoint, because they are so committed to taking
18 whatever we learn from that and working with it.

19 So that should be that -- That could be
20 that risk management experiment looking for gross
21 diversion fiascos.

22 The third point is I guess I agree with
23 you, Mike, that in the ideal world NIH should fund a
24 lot of these long term issues, but let's face reality.

25 With Oxycontin screening on every news page, NIDA

1 doesn't even devote a penny to set aside for this
2 research we need.

3 So I think it's going to take so long. I
4 think, at this point FDA has the authority to get
5 companies to start funding some of the research and,
6 if NIH wants to come along and chip in, great. But I
7 wouldn't hold my breath.

8 ACTING CHAIRMAN KATZ: Dr. McLeskey,
9 fortuitously it happens to be your turn to speak.

10 DR. McLESKEY: Well, I wanted to respond
11 specifically to a comment Dr. Hertz made when she
12 stated that she was seeking the cooperation of
13 industry. And although I am employed by only one
14 member of those industry -- of the members of those
15 industry, I think I can speak for all of the industry
16 in saying that we do want to cooperate.

17 We are interested in advancing health care
18 and, if what you are describing is a component of
19 that, we want to participate in that with government
20 agencies and potentially with individual practitioners
21 and so forth as the science is advancing.

22 On the other hand, I like the way the
23 discussion is going, and I want us not to lose
24 perspective of the thing again that Mike Ashburn said
25 just a moment ago, that underserving our patient

1 population or underprescribing is probably even a
2 greater risk. We want to keep that foremost in our
3 minds.

4 Also, you mentioned the issue of addiction
5 and abuse being considered a safety issue. I think we
6 all would perceive that as new knowledge, growing
7 knowledge. It's like the QT-interval phenomenon where
8 we didn't look for that years ago. We didn't know
9 that was a safety issue. Well, now we do, and we test
10 for it.

11 If we as a consensus group come to the
12 conclusion that these kinds of issues really are
13 safety issues and need to be looked for, then so be
14 it, and we potentially should be looking for them.
15 But on the other hand, again I just want to offer some
16 caution, some caveat.

17 Dr. Portenoy before he left mentioned the
18 fact that how can we keep politics out of this. Could
19 we employ some kind of expert review so that whatever
20 it is that we are looking for is a consensus agreement
21 that something is valuable that we are looking for.

22 Then finally, can we -- Whatever it is we
23 are looking for, can we make it less cumbersome or
24 cumbersome to a degree or to a minimal degree so that
25 investigators aren't inhibited in the performance of

1 these various studies, and clinicians who eventually
2 prescribe the medications aren't overly inhibited, and
3 the manufacturers aren't put in a box and eventually
4 patient use of the product also is not so limited that
5 we lose perspective of our first and foremost
6 challenge here, which I think is to make sure that our
7 patients are receiving adequate quantities of whatever
8 the medications happen to be.

9 ACTING CHAIRMAN KATZ: To follow up on
10 that point, Dr. McLeskey, since we are talking about
11 things that will cost industry money potentially, I
12 wonder whether it would help increase attractiveness
13 on the part of industry to participate in these
14 ventures if the program, while it was simultaneously
15 potentially identifying harm, was also at the same
16 time identifying areas of undertreatment or
17 underutilization of medications? What's your reaction
18 to that possibility?

19 DR. McLESKEY: Well, it sounds good. If
20 you could be a little more specific, that would be
21 helpful.

22 ACTING CHAIRMAN KATZ: I can't, but I'm
23 open for anyone else to be more specific. Well, let's
24 see, who is next? Actually, Dr. Schuster, you were
25 next on the batting order.

1 DR. SCHUSTER: Well, first of all, I'm
2 glad that we are attempting to distinguish between
3 what I've termed iatrogenic dependence and diversion
4 into a drug using subculture, because the risk
5 management strategies that one would use for these two
6 are, in my opinion, very, very different.

7 I think that -- To move back, I think that
8 there is no question of the fact that we have to begin
9 with insisting that pharmaceutical companies provide
10 educational materials both to the patients and to the
11 physicians who are going to be prescribing any
12 narcotic analgesic that has the potential for
13 overdosage death.

14 I think that we need to think about what
15 we routinely do in methadone maintenance clinics, and
16 that is with patients who have take-home privileges,
17 we do in fact ask them to secure them in a locked
18 place in their home so that children cannot get them
19 and overdose and die.

20 I think that these are reasonable things
21 to do, and I think that it's a given that these should
22 be done. I don't think they place any great
23 encumbrance upon anyone, and they certainly can help
24 to both sensitize the physician to the dangers and the
25 patient to the dangers that these medications present

1 to others in their family.

2 I'd like to move, though, slightly to the
3 issue of how we can best detect diversion into the
4 drug using subculture as an area, and suggest that one
5 of the things that we need to have -- and I hesitate
6 here, because some of my pharmaceutical company
7 friends may not like this. That is that we need to be
8 able to detect new products in the urine of people.

9 Having a drug detection system would allow
10 us, for example, in drug use treatment programs around
11 the country with new patients that are coming in to
12 determine whether or not this is -- whether we are
13 picking this up in these substance abusers.

14 I know that in one post-marketing
15 surveillance program this was done in professionals
16 who were being monitored, and as a consequence, if it
17 were detected in their urine, they would be advised
18 that something that shouldn't be there was there, and
19 it rapidly disappeared.

20 So the bottom line is that having a means
21 of detecting this in bodily fluids and asking the
22 pharmaceutical companies to provide this might not be
23 a bad idea for us to be able to monitor whether or not
24 this is being abused.

25 I would also say that those of us who run

1 detox units are in a unique position. We've just
2 finished a study in which we have looked over the
3 records of about 750 detoxes for opiate dependence,
4 and about 27 percent of them are for marketed opiate
5 analgesics.

6 Well, we didn't ask the question, where
7 did you get these? I would say that now, you know,
8 I'm sensitized. We are going to now -- In all of our
9 intake forms, we are going to be asking the question
10 were you prescribed these medications, etcetera?

11 So there's a great deal of data that could
12 be derived if we were to get a system that's sort of
13 like DAWN but utilizing a representative sample of
14 detox programs around the country that could look for
15 the presence of these substances in urine and, as
16 well, for those patients who report these as a
17 substance abuse problem, learning about the means by
18 which they obtained these drugs.

19 ACTING CHAIRMAN KATZ: Yes. We've also
20 found it very profitable to speak frequently with our
21 detox centers to find out the other side of what we
22 are doing.

23 Dr. Anthony, you are next.

24 DR. ANTHONY: Thank you. Just three
25 points on the issue of self-report. This is something

1 that I struggle with all the time, and I'd like to --
2 I'm not sanguine about my ability to change fixed
3 beliefs about anything in a short intervention, but
4 denial seems to me to be a state rather than a trait.

5 Part of our problem is determining the
6 conditions that will influence accuracy and
7 completeness in the reporting of clinical features of
8 the syndromes of interest and to account for both
9 false alarms and falsely negative claims.

10 So the conditions under which the National
11 Household Survey on Drug Abuse gathers its data are
12 ones that are relatively optimal for completeness of
13 reporting. For example, people of my age, 80 percent
14 of them will report that they have used drugs
15 illegally in that context.

16 It doesn't seem to me terribly plausible
17 that 100 percent of people my age use drugs illegally,
18 and the value has to be somewhere close to 80 percent,
19 given what we grew up through. So there are
20 conditions under which self-reports can be made to be
21 accurate, and certainly there are conditions under
22 which they cannot be.

23 I think this may be something that, when
24 we are talking about post-marketing surveillance, we
25 will have to include self-report measures in almost

1 all of the large sample studies that we do. So rather
2 than discounting them, I would rather approach the
3 problem as ones of optimizing the use of self-report
4 measure and then accounting for false alarms and
5 falsely negative reports.

6 On the topic of language required to talk
7 about the problems that we are discussing, I created
8 and direct a program that tries to encourage families
9 to get people into treatment as early as possible,
10 once they start developing problems. I find that the
11 language of misuse and abuse and addiction is not only
12 unhelpful but counterproductive in that context.

13 A public health approach really demands
14 that we are very careful about the language that we
15 use. "Risky sex" has been something that's been
16 rather successful in the public health initiatives
17 about HIV and AIDS and sexually transmitted diseases
18 of earlier eras, and it may be useful to talk about
19 risky drug use or -- You can come up with whatever
20 terms you would like, but paying attention to what you
21 are trying to do with the patient and trying to get
22 them to come in earlier and identify problems earlier
23 -- paying attention to language is crucially
24 important.

25 I would argue that the terms addiction,

1 misuse and abuse are absolutely unimportant and
2 counterproductive in a public health approach.

3 The third issue is this one about the
4 strategies for -- the earlier one that I logged on the
5 agenda, and you may want me to postpone that until
6 later. I can deal with it now, if not.

7 ACTING CHAIRMAN KATZ: Go ahead.

8 DR. ANTHONY: Okay. My colleague on the
9 left here, Dr. Schuster, and I think first met one
10 another at an FDA hearing like this one in about 1978
11 when I came in and suggested to the Drug Abuse
12 Advisory Committee -- I was a wet-behind-the-ears
13 assistant professor, and I suggested to the Drug Abuse
14 Advisory Committee that in order to evaluate their
15 current regulatory approaches to controlled
16 substances, they would have to design methods of doing
17 randomized experiments and that, without randomized
18 experiments either at the city level or at the state
19 level, they would not be able to answer the questions
20 they wanted to answer about the effects of scheduling
21 drugs in one level or another.

22 I'll repeat that recommendation again some
23 20 years later and say that we actually do with your
24 17 states that have electronic reporting systems, the
25 21 states that are covered -- I'm sorry, the 21

1 metropolitan areas covered by DAWN -- the increasing
2 cooperative environment between the Federal regulators
3 and the state boards of pharmacy and medicine, we have
4 opportunities to do experimentation on a limited
5 scale, at least early in the introduction of products,
6 on different forms of risk management strategies.

7 I would hope we wouldn't discount
8 experimentation as an approach to learning more about
9 what we should or should not do, in order to speed the
10 availability of safe and efficacious products to the
11 patients.

12 The other side of this is, if it is really
13 true that experimentation is not possible, then I
14 would recommend taking a look at a book just published
15 by the National Academy of Science National Research
16 Council panel I served on that essentially talked to
17 this issue at the level of Federal drug controls on
18 cocaine and marijuana and other drugs that are not in
19 the purview of the prescription realm but are on the
20 street.

21 There is an alternative, which starts with
22 simulation studies and then system research approaches
23 from econometrics. I do think, particularly where we
24 have data systems like IMS, American Provides and
25 other data systems, the RADAR system that Pharma

1 Purdue is developing, and the like, the are
2 opportunities for systems research to model within the
3 context of error and sensitivity analyses what will
4 happen under different constraints.

5 The constraints can be increases in cost
6 to the doctor. They can be increases that is more
7 time the doctor has to spend on the problem. They can
8 be increases in the price of the drug. There are
9 different intervention elements that can be modeled.

10 The results that you get there have
11 limitations of the same type I was mentioning earlier
12 about surveillance data. But if in fact
13 experimentation is not -- formal experimentation is
14 not possible, we don't have to throw in the towel and
15 say, well, all we are going to get is a before and
16 after study and never know whether it was regression
17 to the mean or something else.

18 We have alternatives with advances in
19 computing and processing speed. They are now at our
20 fingertips where they weren't available 20 years ago
21 when I was talking, and I suggest you look in that
22 direction. Thank you.

23 ACTING CHAIRMAN KATZ: Thank you very
24 much. Dr. Roberts, you are on deck.

25 DR. ROBERTS: Thank you. Well, we began

1 this part of our discussion by asking if there were
2 metrics or outcomes measures around addiction that
3 would be helpful.

4 My conclusion is no, and the reason I say
5 that is that the special groups that have worked on
6 this that are the experts have only in the last couple
7 of years come up even with a definition of what
8 addiction is, much less tested it for its validity and
9 utility.

10 So to be somehow, you know, holding a
11 product manufacturer accountable for some outcome on a
12 gold standard that's not even been proven to be gold
13 or tin or brass or whatever, I think, is a little
14 unwise.

15 I have also learned during these two days
16 that the predictors that we have for this bad outcome
17 of a diversion are not very good, that your risk is
18 somewhere between one and 47 percent, but even if you
19 are in the 47 percent group, you may still have a
20 legitimate need for the medication.

21 In some ways, the FDA has traditionally
22 handled that problem of prediction with the
23 indications on the label. That was when you were
24 supposed to use the drug, and it's pretty fuzzy stuff
25 right now.

1 I very much agree with Doctors Foley and
2 Anthony that we would probably be better served by
3 recommending a change in the language that we use and
4 focus more on issues of the behaviors -- in other
5 words, diversion as opposed to using the medication
6 for its intended -- and maybe we need to come up with
7 some new acronym.

8 Maybe we would use something like MURBS,
9 Medication Use Risk Behaviors, and we can call them
10 MURBS instead of PURBS or whatever it be. I also
11 think you have a real denominator problem here, as was
12 pointed out, in that it's not just, you know, how
13 often do bad things happen against how many times the
14 medication is prescribed. It's also how often was the
15 DEA smart enough to find all the bad things happening,
16 because there are probably lots of folks that never
17 get detected that are diverting all over the place.

18 So it does come back, to me, to the whole
19 issue of safety. I tend to think of this sort of at
20 two levels, the individual prescriber and then a
21 public level.

22 For the individual prescriber, as I said,
23 I spent most of my career trying to change physician
24 behavior through guidelines, research and things that
25 I've done. What I've learned from that is, while

1 continuing education is not the answer, you have to
2 start there. It's like turning the soil and planting
3 the seed, but you got to keep watering and fertilizing
4 and doing all the other stuff before you get the crop
5 to come in.

6 Once you've got it rolling, hopefully in
7 the right direction, you have to reinforce it. That
8 means point of care tools that the clinician can use
9 right at the point of taking care of the patient.
10 That often means in most doctors' offices getting the
11 nurse to do it, because then you will be sure it's
12 going to get done. That means creating feedback loops
13 so the doctors know where the mean is and can regress
14 to it.

15 I have a little bit of concern about
16 registries, because again one thing I've learned these
17 two days is, if we have a problem, it's with
18 underutilization, underprescribing, and there's enough
19 stigma attached to these medications that registries,
20 I think, are going to scare people away.

21 Now most docs expect that they are
22 probably on some kind of a registry. I don't know if
23 we are or not, but I think most of us figure we
24 probably are, that somebody is tracking our DEA number
25 out there somewhere. So it doesn't bother me that you

1 are looking at my patterns or what my pharmacist is
2 doing.

3 It does bother me as a potential patient
4 that you might be looking at me as an individual. So
5 that makes me a little bit nervous, and it's one thing
6 to think about.

7 The other thing I would be concerned about
8 as we think about Phase IV trials to monitor this
9 stuff is, if you put too many barriers in the way of
10 just getting the job done, you are going to dissuade
11 people from perhaps even seeking care.

12 What I mean by that is in the average
13 family/doctor encounter, average patient, all comers,
14 there are eight major problems to deal with every
15 visit on average, and I'm not talking, you know, left
16 ear, right ear as two problems. I'm talking heart,
17 lung, kidney, depression, whatever.

18 My experience with people that have
19 chronic pain syndromes is they got lots of other
20 problems. They are depressed. They have heart
21 failure. Their knees hurt. I mean, it's one thing
22 after another. If you make this too complicated,
23 you're not going to get them coming in. They are
24 going to be, you know, figuring out some other way to
25 take care of their problems.

1 So I think at a public health level, as we
2 move to that level, the thing I would really encourage
3 the agency to do is to consider some of what has
4 worked.

5 You know, if you look at the history of
6 tobacco use in this country, it's really interesting
7 that in the Sixties when the Federal Communications
8 Commission required equal time advertising and you
9 began to see anti-smoking messages on television for
10 the first time, it was the first time since the turn
11 of the Nineteenth to Twentieth Century there was
12 actually a decline in smoking.

13 California has seen this with their
14 tobacco tax that's gone into counter advertising.
15 Maybe one of the things to do as a part of the
16 marketing of products as companies increasingly use
17 OTC advertising as one of their strategies is to
18 compel them to have a fairly precise message that
19 really focuses people on the potential concerns around
20 diversion, whatever the issue is.

21 Frankly, most of those OTC ads right now -
22 - You know, if it's a 30 second spot, you get 26
23 seconds of somebody running through a field of
24 flowers, and then you get four seconds of some
25 auctioneer saying, oh, by the way, your hair can fall

1 out and you can die and this and that, you know.

2 So let's get people to focus and be a
3 little more prescriptive at a Federal level on what we
4 are going to allow the companies and their advertisers
5 to say.

6 ACTING CHAIRMAN KATZ: That's it?

7 DR. ROBERTS: God, I hope so.

8 ACTING CHAIRMAN KATZ: Jeff Bloom, you
9 were next.

10 MR. BLOOM: Thank you. If I could be so
11 bold as to try to tie together a lot of points that
12 people have brought up. Seems to me that there is
13 certainly widespread agreement that one of the issues
14 is undertreatment, not overtreatment, of people
15 currently.

16 One of the other issues is post-marketing
17 and safety. The other issue is risk and risk
18 management and, of course, the biggest issue of all,
19 of course, is who is going to pay for this, and how do
20 we get industry and, obviously, NIH is not going to do
21 it.

22 I would suggest that there is a mechanism
23 in place that the FDA does have experience with and
24 that they are currently working with now and may be
25 the appropriate mechanism to be doing this research,

1 and that is the CERTS, the Centers for Evaluation and
2 Research in Therapeutics.

3 Industry has experience in working with
4 them. The FDA is working with them currently now on
5 post-marketing toolkits for risk management for other
6 drugs that would have similar things. They are very
7 good at -- Dr. Portenoy mentioned the QT-interval
8 thing, and that is something that the CERTS discovered
9 through their research.

10 Perhaps that is the appropriate place, and
11 that is funded through AHRQ, which does not come out
12 of FDA's budget, which is also another plus, and it's
13 university based, and they are up and running. So
14 it's not reinventing the wheel, and it could be a very
15 good mechanism to do a lot of these things and capture
16 a lot of the information, because they can serve a
17 multi -- It could be multi-factorial in their
18 approach, and they have the skills to do this. So
19 it's not something that they would be starting from
20 scratch.

21 ACTING CHAIRMAN KATZ: Comments from the
22 FDA about that potential funding mechanism?

23 DR. KWEDER: That is a potential, and
24 right now to my knowledge none of the specific centers
25 that are funded have expertise in this area, but that

1 is something that could be looked to for the future.

2 Many of the things that they are looking
3 at, though, are related to some of the things that we
4 have been talking about regarding risk management,
5 such as what are the factors that influence prescriber
6 behavior, what kinds of outcomes should be measured,
7 how do you develop metrics that will get you the
8 information you want.

9 That would be translatable to this area,
10 but perhaps discussing with the CERTS, expanding their
11 thinking to include some of the specific questions in
12 this therapeutic area would be useful.

13 ACTING CHAIRMAN KATZ: I'd like to
14 introduce another dimension into this discussion.
15 We've had a lot of discussion about what a potential
16 risk management program could look like, what a light
17 one could look like, what a heavy duty one could look
18 like, the sorts of things that -- the sorts of
19 constructs that it could be trying to address.

20 We've certainly heard a lot about the
21 potential risks of the risk management program and the
22 ways that it could go very wrong in terms of not
23 having a clear goal, a clear conception, a clear
24 feedback loop such that it could be modulated as time
25 goes on to not be -- need to be a living program, as

1 Dr. Haddox stated earlier, false alarms.

2 There are all sorts of ways that it could
3 be gotten wrong. So we've had a long discussion about
4 what potential risk management programs could look
5 like.

6 I wonder if we could talk for a little bit
7 on when it would be appropriate to think about a risk
8 management program, since we have not really hit that
9 question. If another mu agonist comes on the market,
10 do we need a risk management program for that? Should
11 one automatically be there for every new mu agonist?

12 Should it be just for new different kinds
13 of opioids, new delivery systems, delivery systems of
14 types that we don't have a lot of experience with as
15 opposed to types that we do, when we are anticipating
16 launching it into populations that may be more
17 vulnerable? When should we be thinking about changing
18 the way things are being done already?

19 Comments about that? Actually, Dr. Foley,
20 you were on deck for the next comment. So if you
21 would like to address this, it's your turn.

22 DR. FOLEY: I would, but again I keep
23 arguing for information. I think one of the ways that
24 would help us try to make the decision about the next
25 drug that comes on the market is to ask the FDA to ask

1 the DEA to give them the real data about where this is
2 coming from and to give any resources we need to the
3 DEA to figure out where this problem is from; because
4 I think we are very, very confused about where it's
5 coming from and, therefore, we can't create the risk
6 management strategy that we need to.

7 That would be my sort of first strong
8 sense, that any new drug coming out would be based on
9 the past history. If you looked at the MS Contin or
10 all of the slow release -- or controlled release
11 morphine preparations, you would not have predicted
12 this would have happened.

13 So you enter this without having predicted
14 this. Now you have this, and if you want to predict
15 the next one, then we need to know what the issues
16 were, and we need to know how much is this issue of
17 the drug moved somehow or other into a diverted market
18 and then being widely distributed, and how much it has
19 anything to do with pain, anything to do with
20 patients, and anything to do with the medical arena.

21 I think we are just lost at this, and I
22 think it's been broadly represented to the media, to
23 the FDA, to all of us, in a very mixed way. Somebody
24 has to get a handle on this to be able to develop the
25 right kind of policy, because I think we may be

1 wasting a lot of time on the wrong policies, and I
2 would want to call that to attention as the sort of
3 first issue.

4 ACTING CHAIRMAN KATZ: So it sounds like
5 what you are saying is that, to the extent to which a
6 risk management program is targeted toward addressing
7 the specific issue of diversion to nonpatient
8 communities before we run ahead and start recommending
9 risk management programs, we ought to look harder at
10 the data that we already have and speak more to first
11 determine whether or not it really ought to be
12 something that we should do.

13 DR. FOLEY: Yes. I think there is no
14 question that any physician who is prescribing an
15 opioid in the setting of understanding what an opioid
16 is, understanding that it's a controlled substance,
17 understanding that it's a Schedule II, understanding
18 that they have to have a DEA license -- those
19 physicians already know a lot of information.

20 So I think the question is what has gone
21 wrong in this? And if it has nothing to do with that
22 group of individuals but with a whole other
23 marketplace out there, then putting more emphasis on
24 that group isn't going to get us anywhere.

25 ACTING CHAIRMAN KATZ: Now as we have

1 heard from a number of other folks around the table,
2 including Dr. Reidenburg who reminded us about the
3 patient oriented outcome being a central focus,
4 patient safety, it seems like risk management programs
5 could have multiple purposes other than getting at the
6 diversion issue, which not in fact be the best purpose
7 for a risk management program.

8 So to get back to the question I posed,
9 when would it be appropriate to consider risk
10 management programs specifically for the patient level
11 outcomes issues? Let's see, who was next?

12 DR. ROBERTS: Nat, could I just jump in
13 real quick, so as not to lose Dr. Foley's comment?

14 ACTING CHAIRMAN KATZ: Yes.

15 DR. ROBERTS: Well, this is very quick.
16 It seems to me -- and this is the lawyer in me leaking
17 out -- that one way is do this contractually. In
18 other words, there are going to be some drugs that are
19 brand new, innovative therapy, different delivery
20 system. You're kind of nervous about it. You are
21 going to probably say up front we need a risk
22 management program.

23 There are going to be other drugs, you
24 think, gee, this looks a lot like other stuff that
25 we've already had; probably don't need a risk

1 management, but you put it in as a codicil to your
2 contract with the company that, if these problems
3 arise, then you have to be prepared to have a risk
4 management program in place.

5 That, to me, seems a way to deal with Dr.
6 Foley's concern about sort of doing this in a blanket
7 way for every mu opiate that comes down the line.

8 ACTING CHAIRMAN KATZ: Is that feasible
9 from a regulatory vantage point?

10 DR. RAPPAPORT: Yes, and that's pretty
11 much what we've been doing at this point.

12 DR. ROBERTS: I knew it was a good idea.

13 ACTING CHAIRMAN KATZ: Dr. Reidenburg, you
14 were next.

15 DR. REIDENBURG: Yes. My answer to your
16 question is to do a risk management program. It's
17 needed when there are specific risks that can be
18 managed by such a program.

19 I think we are lumping a lot of things as
20 if they are just opiates. For example, we talk about
21 the special storage need and child resistant
22 packaging, and certainly the problems for children and
23 ferrous sulfate is well known and serious, and many of
24 the cardiovascular drugs.

25 So the issue of protecting accidental

1 childhood ingestion is a generic one, and opiates are
2 neither more nor less serious than many other drugs I
3 can name.

4 Something that we didn't talk about that I
5 do think is something to consider is the issue of
6 medication sharing within a family. A person got a
7 prescription for opiate-acetaminophen combination for
8 trauma, shares with a relative following a dental
9 extraction when what the dentist gave wasn't enough.
10 Technically, this is diversion. Medically, I think
11 most of us would turn our backs on it.

12 I'm worried that this whole idea of the
13 germ risk management as we are expressing the concept
14 can lead to excessive expectations, and that we are
15 promising what we can't do.

16 Another example -- and here again, I think
17 splitting, as we do in research, is helpful. Most of
18 us have our DEA numbers printed on our prescription
19 pads. We hear that this is wrong. If this is really
20 a problem, then what we need is a program to get us
21 physicians to stop printing our DEA numbers, if that's
22 a source of diversion. Yet I don't hear any of that
23 being considered in the risk management that we are
24 talking about.

25 We've been talking a lot about the need

1 for all kinds of research, and yet the ERISA
2 requirements for patient confidentiality to be
3 implemented this year gives us a whole new level.
4 It's one thing when we are talking about getting
5 information for law enforcement or requirement
6 regulations, but where we are talking about research,
7 then we really need to rethink what can we do with the
8 regulations of ERISA that we are all going to have to
9 live with.

10 I think that this will influence a lot of
11 these recommendations. As I looked at the list of
12 things that Mr. Davis presented, as a physician if I
13 have a legitimate patient who is doctor shopping, I
14 don't have a way to know who else that person is
15 seeing in New York.

16 As I go down the whole list, there isn't
17 anything here that I as a physician have the capacity
18 to be involved with, other than this criminal
19 prescribing which is just criminal behavior.

20 So that these were the thoughts. The last
21 thought I wanted to express is that an awful lot of
22 what we've been saying these two days, particularly
23 with respect to comprehensive centers and referral to
24 groups, is establishing what I'll call a very ideal
25 standard of care, but if that becomes the standard of

1 care, then there are an awful lot of people who, for
2 either financial, geographic or other reasons, can't
3 get it.

4 If we are saying that those of us that
5 don't have access to this kind of a referral pattern
6 shouldn't start, then we are really raising a barrier
7 that I don't think most of us here mean to raise. I
8 think we need to clearly differentiate what's the
9 ideal care, what standard of care, and what's
10 necessary for rational drug development.

11 ACTING CHAIRMAN KATZ: Dr. Schuster, you
12 are next, followed by Dr. Max.

13 DR. SCHUSTER: Well, the question of when
14 one should consider the development of a risk
15 management plan, I think, has already been covered.
16 Many of us have been -- Well, let me back back.

17 The College on Problems of Drug Dependence
18 began 50-60 years ago, and it's goal was to find a
19 nonaddicting replacement for opiate analgesics with
20 equal efficacy and, obviously, greater safety.

21 It was a meritorious goal, and remains a
22 meritorious goal, but obviously one that has not borne
23 fruit. Nevertheless, I think that we have to think
24 about the future where I would hope it would be, as
25 has been already alluded to, the discovery of multiple

1 subtypes of morphine, opiate receptors, mu opiate
2 receptors and other kinds of potentially new
3 mechanisms for effecting analgesia, that we are going
4 to be moving perhaps into an era where we have to be
5 able to help the Food and Drug Administration to not
6 reflexively put something into Schedule II because it
7 has an opiate-like structure.

8 I would remind you that nalorphine has an
9 opiate-like structure, too, but it's an antagonist.
10 The point I'm making is that, if we are going to be
11 trying to encourage pharmaceutical companies to
12 develop either new preparations or new moieties that
13 are going to have analgesic efficacy, we have to be in
14 a position to think about methods that will allow the
15 Food and Drug Administration to say, okay, well, we'll
16 consider putting this one in Schedule III as opposed
17 to II, but we are going to have to really follow it
18 very closely to make sure that we've not made a
19 mistake.

20 That's the kind of program that I think is
21 important, because industry -- if they can't get a
22 marketing advantage, they are not going to try to
23 continue to develop new products that are going to be
24 safer from the abuse viewpoint.

25 I think that that's a direction I would

1 encourage us to think about in terms of risk
2 management and what kinds of risk management
3 procedures we could have that would allow the FDA to
4 think about even lower scheduling for these
5 substances.

6 ACTING CHAIRMAN KATZ: Dr. Max?

7 DR. MAX: Well, let me continue on Bob's
8 theme that a carrot is better than a stick. If you
9 meant by risk management program one where you really
10 look for diversion and disasters, I think Sharon
11 already said that they are just going to do that if
12 there is already evidences of big blow-up. That's the
13 only time they are going to make the drug companies do
14 that. However, if what you mean by risk management,
15 getting some data where none exists now about at one
16 year in the broad population what's the balance of
17 benefit versus impairment of function from opioids, I
18 would propose that for every opioid that comes up, the
19 FDA try to establish a carrot by considering a several
20 tier labeling system using as a model the rheumatoid
21 arthritis guidelines where, if they want to spend
22 extra money to do a few million dollar study to follow
23 a lot of people over a year, they can be the first
24 product to label that we know this is beneficial long
25 term.

1 You know, I think this would take a lot of
2 work, because it's different. The rheumatoid
3 arthritis guidelines were constructed in a setting
4 where there's a mature research field, and they know
5 how to measure joint erosions and do clinical trials.

6 This is an area that is a just beginning
7 research field with very few junior investigators, and
8 it would need a lot of validation. So this would take
9 a lot of pilot studies and working out, but I would
10 propose this for every product with a several tier
11 approval system.

12 ACTING CHAIRMAN KATZ: Could you describe
13 the rheumatoid arthritis labeling approach in more
14 detail?

15 DR. MAX: I just know about it from one
16 talk I heard Jim Witter give. He said that there was
17 a meeting, a long term task group in the people that
18 are interested in arthritis in CDER, CBER, and
19 Devices, and they constructed five different levels of
20 labeling, of which only the first two have been
21 reached by anyone.

22 The first level, you need to do, say, two
23 trials of an anti-rheumatoid arthritis drug, and make
24 people have less pain or feel better, with a short
25 study.

1 Jim, do you want to tell, or Lee?

2 ACTING CHAIRMAN KATZ: Anybody ever see
3 that Woody Allen movie where Woody Allen is talking to
4 somebody online who is saying some nonsense about the
5 movie, and then he happened to have the director right
6 here, and he pulls him out of the background. I never
7 thought I would see a real life example of that until
8 now.

9 DR. WITTER: Good afternoon. Yes,
10 Mitchell and I have talked about this in the past,
11 because we have a mutual interest in several things.

12 The RA guidances -- I think he's got it
13 pretty much straight. There are various claim
14 structures, and the thinking behind it for rheumatoid
15 arthritis were to act more as carrots, as he said,
16 versus sticks.

17 So it's a structure that builds. For
18 example, the first approval is on signs and symptoms,
19 because based upon what we know about compounds in
20 this area, that's achievable for most compounds, and
21 it's a clinically important outcome.

22 Then since we have a good understanding,
23 or did anyway, about other outcomes such as structural
24 damage, that then would be a separate claim. Trials
25 would be longer. Outcomes have been specified, and

1 sponsors, for the most part, have gone after that. So
2 we are getting more robust data. Again, this is going
3 for a disease modification idea.

4 Then other kinds of claims that are built
5 in, for example, prevention of disability, remission,
6 again looking for most robust datasets, longer
7 datasets, but also different kinds of patient
8 outcomes.

9 So I think what Mitchell is getting at is,
10 if we could do something similar in the analgesic
11 spheres where we could get to an agreed to consensus
12 on what kind of outcomes those should be, then how
13 could we develop the carrots at the FDA to kind of
14 accomplish that.

15 ACTING CHAIRMAN KATZ: Any other FDA
16 comments about how that system worked for
17 rheumatology?

18 DR. SIMON: Since I'm a new kid on the
19 block, I just want to make sure that everybody knows
20 that I'm Lee Simon. I'm the Division Director for
21 550, Analgesics, Anti-inflammatories and
22 Ophthalmologics. It's either Ophthalmics or
23 Ophthalmologics. I'm not sure.

24 I think that the structure of the RA
25 guidance document is really a very lovely model. It

1 is also something that needs to be seen as an evolving
2 model. It was written at a time when we had little
3 evidence, but we thought these are the ways to go.

4 In that it has been used as a reward
5 system for the pharmaceutical industry, the sponsors
6 have actually allowed us to now create and collect
7 data that allows us to now, using evidence, reevaluate
8 where we are at.

9 In fact, we are quite thrilled with the
10 datasets that have allowed us to understand the signs
11 and symptoms, which is what people come to see us
12 about, meaning they are hurting. They have arthritis.
13 They need to be treated for that.

14 It has also allowed us to understand the
15 destructive nature of the disease and how we can
16 modify it. So for the first time, we actually have
17 drugs that are labeled as being true disease modifying
18 drugs by either retarding or inhibiting structural
19 damage.

20 We are still grappling with the issue of
21 the health related quality of life measures, since I'm
22 not entirely sure I understand what health related
23 quality of life means nor how to measure it as opposed
24 to disability or preservation of function.

25 I think that the kinds of things that we

1 would like to see happen in the analgesic arena are
2 extremely similar. We would like to see layers of
3 approval that would allow the sponsor, the FDA, the
4 academic environment, and the other stakeholders such
5 as patients to learn more about how the therapies
6 actually take place.

7 ACTING CHAIRMAN KATZ: Are there FDA
8 comments about that approach, in particular how the
9 reception was by industry to that approach?

10 DR. SIMON: We actually were urged into
11 this approach by industry. The sponsors felt that, if
12 we were going to grapple with the idea of applying
13 various different indications like this, a -- they had
14 input into this, because they were involved in the
15 creation of the guidance document.

16 The process actually responded to what
17 they perceive they could achieve, and because it was a
18 carrot, it became very competitive. The idea was
19 between sponsors that one drug might be actually able
20 to look like this versus that. So that now we are
21 actually able to distinguish between nonsteroidal
22 anti-inflammatory drugs those vaunted anti-
23 inflammatory analgesic agents and drugs that actually
24 treat disease as opposed to just signs and symptoms.

25 So without such a guidance document, we

1 would still be stuck in a realm of having equal
2 therapeutics, theoretically, because of their
3 approval, yet really doing very different things.

4 So I think sponsors have really been quite
5 appreciative of it.

6 ACTING CHAIRMAN KATZ: Mitchell, since you
7 brought the whole thing up, I wonder if you could take
8 a moment to speculate about how such a hierarchical
9 labeling procedure might look for opioid analgesics,
10 and then, Dr. McLeskey, I would be interested in your
11 reaction to that proposal.

12 DR. MAX: I think this is a very hard
13 thing which goes beyond my clinical expertise, but I
14 would think that the most important thing for a claim
15 at, say, one year is I think you need some degree of
16 controlled experiments where you see if people are
17 better off being on opioids than if they were just on,
18 you know, multi-disciplinary pain therapy for back
19 pain.

20 You need a controlled experiment, number
21 one. That would let you see if there tolerance wipes
22 all your effect and you are just left with a
23 physically dependent person in the same boat they were
24 in before they started.

25 It would take a lot of thought into

1 deciding what the patient spectrum is. Probably you
2 should say what you claim is what you study. I think
3 it would be very -- You asked here whether you should
4 include people who have a history of substance abuse.

5 There are probably ten or 20 percent of people who
6 have a history of substance abuse, depending how you
7 define it. It could be a big market, but I don't know
8 if -- It might not be every company's cup of tea.

9 I think to have a measure of function that
10 would be -- You don't have to call somebody an addict,
11 but you can assess -- or you want to know -- Some of
12 my patients just take more and more drug, and they lie
13 around in their bed and watch TV and can't do anything
14 else. You can tell that from going to work and being
15 perky easier than if they are an addict or not.

16 Yes, I think there would need to be a
17 program where we got the best -- encouraged the best
18 in academics to try to -- but that would be up to
19 industry, if they are funding it, to have a lot of
20 small pilot studies, a lot of validation studies. But
21 I think probably the market and the race would solve a
22 lot of it.

23 I think, you know, to assess the best of
24 these things, I'm not sure the agency would have the
25 personnel inside to be able to assess the fine points

1 of it completely. So you would -- You know, you would
2 get help when you needed it. But those are my only
3 thoughts so far.

4 I also want to mention, over lunchtime I
5 talked to a few of the higher level people who produce
6 these drugs, and I said would you be wanting to spend
7 a lot of money to do great science and go for an
8 additional labeling that you could promote, and they
9 said absolutely, as long as we didn't go broke, you
10 know, during the design.

11 ACTING CHAIRMAN KATZ: Dr. McLeskey, any
12 reaction to the concept of a hierarchical labeling
13 procedure similar to the rheumatology drugs in the
14 setting of opioids?

15 DR. McLESKEY: Well, I am familiar with
16 the rheumatoid arthritis model, and I believe all of
17 us would respond positively to a carrot rather than to
18 the stick approach. So we would encourage that.

19 The concerns are, though, that our
20 understanding of the analgesic effects and addiction
21 far lags behind our understanding of the disease
22 process associated with rheumatoid arthritis. So
23 again with that as a caveat, then how could we move
24 forward?

25 This is such a diverse area that, if

1 anything like this were to come about, I would
2 encourage a working group with multiple of the
3 pharmaceutical industry players involved, because I'm
4 sure not all of us would be thinking exactly the same
5 along those lines, and maybe then some kind of a
6 guidance document could be created. But I think it's
7 a good idea, but my concerns are we just don't know
8 enough about the field to make it practical yet at
9 this point.

10 ACTING CHAIRMAN KATZ: Dr. Smiley, I've
11 been keeping you on hold for a little while. Your
12 floor.

13 DR. SMILEY: I'm trying to remember what I
14 was going to say. I will make it short.

15 I'm actually sort of gratified with the
16 last couple of comments. We moved from this
17 discussion of the structure of risk management
18 schemes. Dr. Foley just left, but I want to emphasize
19 from someone who is not an addiction person or
20 particularly a pain management person that, sitting
21 here all day, it's actually been rather frustrating,
22 almost getting a little angry trying to figure out why
23 I'm being asked or why we all even are being asked to
24 come up with suggestions on managing the risks when
25 law enforcement or the FDA or anyone can't even tell

1 us whether the problem with Oxycontin was, you know,
2 five docs in Kentucky writing thousands of extra
3 prescriptions or, you know, five truck hijackings or
4 what it was.

5 So the idea that -- I mean, I think Dr.
6 Foley said this very clearly. So I won't say it
7 anymore, but it is actually kind of frustrating to be
8 put in the position of being asked to solve a problem
9 that can't even be defined to us.

10 I can't solve problems that I understand.
11 So I certainly can't solve problems I don't
12 understand and can't be given the facts on.

13 Then I guess in the same context, my only
14 comments of the afternoon then will be that I am
15 concerned that there's a tendency when evaluating risk
16 management strategies -- there's only one success in
17 the kind of context we are talking about, and that's
18 no diversion, very little abuse.

19 There really -- Despite nice words that
20 some of us say, it's very unlikely, in my mind, that
21 an evaluation of risk management strategy will include
22 how well are patients doing and is the drug being
23 restricted too much.

24 There is a tendency, and this certainly is
25 an issue in lots of other areas of our national

1 consciousness this year, to sacrifice freedom and even
2 efficacy for security. I think we need to be
3 concerned about that, and I know I am.

4 ACTING CHAIRMAN KATZ: Sounds like you are
5 echoing Dr. Portenoy's concern earlier.

6 I'm prepared to leave the risk management
7 arena unless folks from FDA have any continuing
8 questions on that. Have we done a job on that
9 question? We could move on to the other questions
10 that were originally outlined for this afternoon.

11 I wonder if maybe, Bob, you could give me
12 a sense at this point of how much more information you
13 would find helpful for today on the clinical trials
14 issues and the prevalence issues that are questions 1
15 and 2 on our page today.

16 DR. RAPPAPORT: Well, I think that the --
17 Which questions are you talking about? You're talking
18 about the ones I gave you this morning or the --

19 ACTING CHAIRMAN KATZ: No. There's this
20 question Number 2 about discuss the methods for
21 assessing and monitoring addiction in the clinical
22 setting; should these be extended to the clinical
23 trials. That's something that we haven't really
24 spoken about. I'm not sure how --

25 ACTING CHAIRMAN KATZ: No, I think briefly

1 bring that up. That would be useful, yes.

2 ACTING CHAIRMAN KATZ: Let's move on to
3 that then. I'll reread that question, since I just
4 mumbled it out a moment ago: Discuss the methods for
5 assessing and monitoring addiction in the clinical
6 setting.

7 I think we have already spoken at length
8 about that. Dr. Passik spoke to us about that. I
9 alluded to the difficulties of self-report and the
10 possibilities of urine toxicology and other options.

11 Are there methods that may be extended to
12 the clinical trials setting? So I guess in my mind,
13 what this question is getting at is that, if there are
14 negative outcomes that we are concerned about on a
15 patient level with the prescription of opioids,
16 specific safety issues on a patient level, are there
17 ways that we should be monitoring this in the clinical
18 trials setting that we are not doing right now?

19 Dr. Schuster?

20 DR. SCHUSTER: Well, two things. First of
21 all, although it is not -- These are simply
22 indications. These are not strong measures, but I
23 think, number one, in most clinical trials people are
24 provided with extra medication in case they happen to
25 drop their current supply down the toilet. Does that

1 happen to a greater extent with this medication than
2 it does with placebo? Simple -- you know, I mean,
3 it's easily done. That data is easily collected.

4 Secondly, at the end of the time that the
5 clinical trial is over -- Now I have to confess that
6 here I don't know -- Because these are opiate
7 analgesics and they are being used for the treatment
8 of pain, this complicates life for me.

9 Often with other classes of drugs, we not
10 only look for signs, in quotes -- and I know that
11 physical dependence is not addiction, and I'm quite
12 aware of that. But we could look at least as a subset
13 of individuals, at whether or not there is the
14 emergence of a withdrawal syndrome. That includes
15 strong drug craving.

16 Now the problem here, of course, is that
17 if the person is relenting to pain, it's unlike when
18 I'm dealing with -- I'm talking about a different
19 class of agents, and I realize as I'm saying this that
20 it probably is not applicable in this setting. But
21 the only time that we are interested in physical
22 withdrawal is when it has a motivational component for
23 drug seeking behavior, and if there is some way of
24 doing that in a controlled fashion that is over and
25 above that which is seen simply because of the

1 reemergence of pain, then that clearly would be an
2 indication that this is a substance that we have to
3 watch.

4 ACTING CHAIRMAN KATZ: So it sounds like
5 you are saying that at a minimum, it would be
6 appropriate to look at simple compliance metrics that
7 are collected anyway, and then if one wanted to go
8 beyond that, you would think about monitoring for
9 withdrawal craving, that sort of thing.

10 Any other thoughts about how one could --
11 about the appropriateness of enhancing monitoring in
12 the clinical trials setting? Dr. Roberts?

13 DR. ROBERTS: Well, I think it's important
14 if the concern here is diversion, which is what I
15 think we are talking about.

16 ACTING CHAIRMAN KATZ: I'm actually
17 referring to specific patient safety issues.

18 DR. ROBERTS: Well, let me go on with
19 that. I mean, if that is the concern, though, I mean
20 ultimately, you have the patient before you who has
21 been prescribed a drug, and the question is are they
22 using it appropriately or not.

23 As we've heard time and again these two
24 days, you may need huge amounts for an individual
25 patient. So I'm not sure you can use any kind of a

1 benchmark against which to measure them. So I'm not
2 sure urine levels are going to be helpful, because
3 they are going to have the drug in their system. They
4 are getting it appropriately prescribed.

5 The question is are they having to do
6 other things behaviorally to get additional drugs, but
7 again you still have the problem are we just
8 undermedicating them? Is it pseudo-addiction?

9 So it seems to me that the bigger concern
10 is other folks getting their hands on the drug that
11 shouldn't have it in the first place, and that you are
12 going to have to rely on things other than medical
13 measurements, clinical measurements. You are going to
14 have to rely on the criminal justice system and, you
15 know, doctor shopping and electronic monitoring of
16 what happens with the scripts.

17 So I don't think I can in the individual
18 patient talk about addiction here, because all of what
19 I've learned these two days is that people that tend
20 to be addicted sort of come to the narcotics
21 prescribing with their addiction because of post-
22 traumatic stress disorder or they had a predisposition
23 to addiction in the first place. It's not that they
24 got this new drug for their pain as the cause of their
25 addiction.

1 ACTING CHAIRMAN KATZ: Are you suggesting
2 that we should more carefully track psychiatric or
3 psychological comorbidities in opioid clinical trials
4 for chronic pain?

5 DR. ROBERT: Well, I think it will help
6 you understand this phenomenon we've called addiction,
7 and yet I'm a little hesitant, as Dr. Foley and
8 Anthony and others have said, to even use that term;
9 because I'm not sure what it means anymore.

10 More importantly is, if the concern is
11 having somebody use a drug inappropriately, that is
12 going to relate to their behaviors, not to their
13 clinical status per se, you know, how much drug am I
14 taking. Well, if I'm actually swallowing all the
15 pills that I'm supposed to be taking, unless I do it
16 in a suicidal fashion, you're not going to know the
17 upper threshold for my pain management. So that's a
18 problem for you.

19 The other group, which I said may be
20 easier to manage, you're going to manage through
21 social measurements, you know, criminal convictions,
22 DEA investigations, doctor shopping, prescription
23 hopping, that kind of stuff.

24 ACTING CHAIRMAN KATZ: That sounded like a
25 yes to the psychiatric comorbidities issue. Are you

1 also then suggesting that we track aberrant drug
2 taking behaviors formally in opioid analgesic trials
3 for chronic pain?

4 DR. ROBERTS: I would, and I wasn't being
5 completely facetious when I talked about coining a new
6 acronym, something like Medication Use Risk Behaviors,
7 because that has worked well in the context of HIV
8 disease.

9 People can understand when they do
10 something that may put them at greater risk. That
11 makes sense to people. They don't like being labeled,
12 however, and that's what using terms like addiction
13 does.

14 ACTING CHAIRMAN KATZ: Clearly, there are
15 stigmatization risks that we want to strive to avoid.

16 I think everybody in the room understands that.
17 Anybody else feel that we should be tracking
18 psychiatric comorbidities and aberrant drug taking
19 behavior in opioid trials for chronic pain? Dr.
20 Tobin?

21 DR. TOBIN: I think it's necessary that we
22 do that and, secondly, to subcategorize the patients
23 as they are entering into the protocols; because we
24 may find that, either by specific diagnosis or having
25 a parallel diagnosis, it is actually going to be the

1 predictor of the comorbid other drug use. Then
2 secondarily, not only identify that psychiatric
3 description or other comorbid diagnosis that exists
4 upon entry. We need to have potentially some uniform,
5 widespread screen of all the other potential drugs of
6 abuse that we think those patients would be at risk to
7 go coadminister, and measure them either by blood or
8 urine levels.

9 That's a pretty far-reaching statement
10 that is not very easy to accomplish. Talking about
11 everything from acetaminophen, nonsteroidals, other
12 opioids, amphetamines, tricyclics and on and on.
13 There are probably at least two dozen different
14 classifications there.

15 I think that those will be necessary to
16 track in order to determine whether this new drug that
17 we are actually trying to measure is evoking other
18 behaviors.

19 I think the more expensive way is to put
20 them in an inpatient hospitalization, and that's going
21 to reduce our willingness to come in and be in the
22 studies, at least many, and it's going to be a lot
23 more expensive.

24 ACTING CHAIRMAN KATZ: Are you suggesting
25 that we monitor comprehensive urine toxicology screens

1 as an outcome measure in opioid trials for chronic
2 pain?

3 DR. TOBIN: I think I am.

4 ACTING CHAIRMAN KATZ: That wasn't as hard
5 as I thought it was going to be.

6 DR. TOBIN: You asked a leading question.

7 ACTING CHAIRMAN KATZ: That's what they
8 pay me the big bucks for. I want to continue to go in
9 order. Jeff Bloom, you were next.

10 MR. BLOOM: Just before I get nauseous and
11 I hear "doctor shopping" one more time, let me just
12 say as from a patient perspective that there is this
13 perception that people would doctor shop simply to
14 seek drugs and for drug diversion, and there may be
15 some situation of that. But there is also a
16 situation, and this is a very real life situation for
17 patients, where they have to doctor shop because they
18 can't find a doctor that is willing to write them the
19 prescriptions necessary to treat their pain
20 adequately.

21 I will give you a perfect example, and I
22 don't mind revealing this, and it's my partner who is
23 on 900 milligrams of MS Contin, 450 of oxycodone and
24 100 -- 300, I'm sorry, 10mg Valiums a month, which is
25 a very large prescription.

1 Now it doesn't take a genius to figure out
2 that, yeah, you might have to go see four or five
3 doctors until you find the right doctor to do that.
4 In his case -- and then this might be a useful thing -
5 - is he was put in the hospital, and it was found --
6 to find what was the level of appropriate opiate
7 treatment to get his pain under control after being
8 undertreated for many, many, many years. But this
9 concept of people are just doctor shopping randomly to
10 sort of just play around with medicine, I think, is
11 insulting.

12 While there may be some cases like that, I
13 think it's more frequently that there is a very real
14 problem with patients having problems and doctors
15 being very frightened over the DEA and their licenses
16 writing those kind of prescriptions for patients that
17 desperately need their pain to be under control.

18 ACTING CHAIRMAN KATZ: You're next. I
19 just want to introduce one or two -- You're next, I
20 promise. Let me blab on for just one minute.

21 I think you are raising a very important
22 point, which is that all these things are really
23 surrogate measures of what we are interested in. The
24 aberrant drug taking behaviors, as Dr. Portenoy and
25 Dr. Passik pointed out earlier, we're not really sure

1 exactly what those mean.

2 You know, if the patient is calling the
3 clinic all the time or all these other things, is that
4 a problem with the clinic, with their home situation?

5 We don't know.

6 We just completed a study of 122 patients
7 looking at their urine toxicology screens. It was all
8 of our patients over a three-year period of time being
9 treated with opioids long term for chronic pain. It
10 was presented in abstract form a few months ago, and
11 it's submitted for publication now.

12 We found that about one-third of our
13 patients had what we call positive urine toxicology
14 screens, meaning either an illicit substance,
15 marijuana, cocaine, what have you, a nonprescribed
16 controlled substance, another opioid we weren't
17 prescribing, etcetera.

18 We don't know what that means. Those
19 patients may have been doing all fine with their
20 opioids. They may all have had a real addiction
21 problem. We really just don't know. So by itself
22 these things are surrogate measures.

23 We also completed another trial that was
24 sponsored by a pharmaceutical company where we
25 required a comprehensive urine toxicology screen on

1 entry, since one of the entry criteria was no active
2 substance abuse, you know, whatever that means, and
3 why ever we were doing that.

4 We found that about -- Despite a self-
5 report of taking no other concomitant medications,
6 etcetera, we wound up excluding something like ten
7 percent of our patients because they in fact
8 subsequently were shown to have a positive urine
9 toxicology screen at the time of their incorrect self-
10 report.

11 What does that mean? Does that mean those
12 patients would have done less well, more well? We
13 really don't know what these surrogate measures mean.

14 So we have to be careful. But it sounds like there
15 is a feeling like there may be a hint, a signal, maybe
16 telling us something useful that needs to be evaluated
17 further.

18 Dr. Parris, I'm sorry, I interrupted you
19 before.

20 DR. PARRIS: Thank you. The comments of
21 Mr. Bloom are well taken, and his partner clearly
22 needed -- required the care and support of the medical
23 profession. It's also important to recognize that
24 there are some patients who use that very same
25 principle, and they don't need that kind of care. The

1 task of the physician is to try to differentiate, and
2 you can be wrong sometimes.

3 Now there are some patients who have given
4 up on doctor shopping. The studies -- I think there
5 was a study in New England Journal of Medicine in 1998
6 that showed that one in three Americans have given up
7 on the medical profession and have turned to
8 alternative medicine, and we don't know what kind of
9 medicine they are getting from those alternative
10 sources, and some of them may be getting opioids and
11 other analgesics. Where is it coming from?

12 Are there other health care professionals
13 prescribing medications that are not under the purview
14 of the DEA or the FDA or whatever agencies? I refer
15 to nurse practitioners or are there any other health
16 care professionals writing those prescriptions?

17 So that's a whole area that we have not
18 addressed, that of alternative medicine.

19 ACTING CHAIRMAN KATZ: Dr. McNicholas,
20 followed by Dr. Max.

21 DR. McNICHOLAS: Yes. I would like to
22 endorse the idea of doing a psychiatric assessment on
23 patients coming in for clinical trials on opiates, for
24 two reasons.

25 First of all, I think that one of the

1 things that has come up repeatedly over the past two
2 days, and certainly in this morning's presentations,
3 is not only with patients with substance abuse issues
4 are you going to have psychiatric comorbidity. A lot
5 of your patients with pain are going to have
6 depression, anxiety, etcetera.

7 Perhaps some of those are maybe not in Dr.
8 Portenoy's program but in other programs not being
9 appropriately managed with things other than opiates,
10 and perhaps treating their depression may decrease
11 their reliance on opiates for their pain management.

12 So what we might do is get a better idea
13 of what patients entering pain management treatment
14 look like, so that we can better manage the entire
15 patient.

16 The other thing that I would like to
17 endorse is Dr. Tobin's suggestion that you do urine
18 testing on these patients, because for one thing, if
19 they are going outside to get benzodiazepines, other
20 opiates, etcetera, something is not being attended to.

21 I think that you can use some of the
22 surrogate measures that we normally use in some of our
23 substance abuse trials to look at whether or not
24 patients are inappropriately using medications.

25 You can use computerized tops to tell you

1 when the medication was taken. Was it taken on
2 schedule? Was it taken early? Did they take it
3 late? Sometimes what we find is the patient said I
4 didn't think I needed it, so I just didn't take it on
5 that one. That tells you something, too.

6 So I think that there are a variety of
7 surrogate measures that you can use. Do they need
8 take-home medication more often? Do they need rescue
9 more often? Are they using, by computerized chips,
10 the medication as it's prescribed, etcetera?

11 Just on the data that you presented on
12 your patients, you eliminated ten percent of your
13 potential subjects on the basis of a urine tox. What
14 did you do for alcohol?

15 ACTING CHAIRMAN KATZ: I don't remember
16 offhand, but my guess is that, if they had alcohol in
17 their urine at the time that they came to the clinic,
18 we probably would have excluded those patients as
19 well. But I don't remember that for sure.

20 DR. McNICHOLAS: I keep hearing these
21 things of six and seven percent for substance abuse.
22 Jim, I think your data showed, what, 15 percent of the
23 population at risk or with a diagnosis, a lifetime
24 diagnosis of alcohol dependence?

25 DR. ANTHONY: That would be a little high,

1 but not necessarily for the pain population but in the
2 general population, it would be closer to eight to ten
3 percent. But active alcohol or drug dependence would
4 be not ignorable. It would be two to four percent if
5 you combine all of the controlled substances and
6 alcohol together.

7 DR. ROBERTS: And tobacco, about 20 to 25
8 percent, if you want to talk about lethal drugs.

9 DR. ANTHONY: If you count tobacco, you're
10 talking about 24-25 percent.

11 ACTING CHAIRMAN KATZ: So it sounds
12 certainly like one of the suggestions that I want to
13 make sure wasn't lost that you just made is that
14 monitoring of urine toxicology screens during an
15 opioid clinical trial for chronic pain might not only
16 be a potential outcome measure, as Dr. Tobin said, but
17 also would be a potential safety measure of safety of
18 the patients during the conduct of the trial, and
19 that's a very interesting point.

20 Dr. Max, you were next.

21 DR. MAX: Particularly in the longer
22 outcome studies, I think, you should absolutely have a
23 psychiatric evaluation, not only for stratification of
24 risk to understand who has what risk, looking at mood
25 disorders, PTSD, and so on, but also for the outcome

1 to see what opioids do.

2 I recall that in your four-month study of
3 opioid treatment of back pain patients, there was a
4 striking improvement in anxiety. So it was really --
5 You know, it was a really good anti-anxiety agent.

6 I would add, be sure to include the multi-
7 somatoform disorder, a primary care somatoform
8 disorder, because a lot of people would think that you
9 should not treat people with multiple unexplained
10 symptoms like fibromyalgia, etcetera.

11 ACTING CHAIRMAN KATZ: Any other -- Jeff
12 Bloom?

13 MR. BLOOM: I just wanted to add a couple
14 of things and endorse the point that she made.

15 One of the things about the psychiatric
16 part that I think is extraordinarily important is,
17 getting back to my partner again, he does suffer from
18 PTSD, and he's a victim of childhood sexual abuse; and
19 because of that, his pain threshold is much lower, and
20 he experiences pain in a much different way, and it's
21 not an uncommon phenomenon.

22 In terms of the way they work things, he's
23 under a pain contract, and at anytime -- He is given a
24 month's supply of drug, and he is going to be given a
25 two-month supply of drug soon. But at anytime they

1 can call him up, and he can be called in at anytime
2 for a random urine test.

3 That's part of the contract, but the
4 contract is a two-way contract where the pain clinic
5 has certain things that they assure him, and the
6 patient has certain responsibilities, and it's a two-
7 way street. In that way, it's not making it, you
8 know, a good guy/bad guy kind of thing, but it's a
9 mutual responsibility thing.

10 I think there is nothing wrong with that
11 at all, especially in terms of those kind of levels of
12 opiates.

13 ACTING CHAIRMAN KATZ: Sure. Dr.
14 Chilcoat.

15 DR. CHILCOAT: A number of issues related
16 to psychiatric comorbidity. Obviously, the data we
17 showed today from, say, the National Comorbidity Study
18 showed very strong associations, but it's hard to tell
19 where the source of the drug, whether it was
20 analgesics, whether it was diverted versus used --
21 prescribed by a physician and then the use took off.

22 One of the things we did find from that
23 study of PTSD, which I just briefly mentioned at the
24 end, we found support for the self-medication
25 hypothesis, but we're not really sure whether they

1 were self-medicating or not, but there were two
2 questions, two ways that people -- in terms of
3 prescription drug use -- could qualify for a diagnosis
4 based on the instrument that we used, the Diagnostic
5 Interview Schedule.

6 One was people who used the drug, were
7 prescribed by a physician and then went on to develop
8 problems, and then also people who used on their own
9 and developed problems.

10 Both groups -- The probability of
11 developing drug dependence, prescription drug
12 dependence, was extremely high -- relatively high for
13 the people who had PTSD versus not. So PTSD put
14 people at risk, regardless of whether the dependence -
15 - drug dependence was due to use as prescribed by a
16 physician and then took off on its own or was used on
17 their own.

18 ACTING CHAIRMAN KATZ: Just a point of
19 clarification. I may have missed what you just said.

20 It sounds like you were saying that from the database
21 that you alluded to you could divide patients into two
22 groups, patients with active dependence who were
23 originally started on the medication by a physician in
24 the medical setting versus those who started on their
25 own. Is that correct?

1 DR. CHILCOAT: Yes. The question --
2 There's kind of two ways to get into the dependence
3 questions, but one is basically people who -- If you
4 don't use a lot of other drugs very much, one to five
5 times, I think, you get sort of put into this. You do
6 get asked about whether you -- were you prescribed the
7 drug by a physician for treatment of pain, a number of
8 different issues, and then if they did, then they ask
9 -- there are some questions about using -- I can't
10 remember the exact questions, but they then were asked
11 about dependence related to the use of those drugs.

12 So you can start to -- It's not a perfect
13 question, but there are some ways to sort of tease it
14 apart in that particular instrument. But in other
15 instruments like the Household Survey obviously don't
16 separate out those uses, but we found that with the
17 odds of developing dependence, regardless of whether
18 it was prescribed by a physician or on your own, it
19 was about -- for people with PTSD versus not, it was
20 about, I think, 12 for the physician prescribed, then
21 dependence; and then about -- I don't know, it was
22 about 20 or so for the dependence on your own.

23 ACTING CHAIRMAN KATZ: Overall, of the
24 patients who eventually developed dependence, what
25 proportion developed it beginning in the medical

1 context versus beginning on their own in that
2 particular database?

3 DR. CHILCOAT: Boy. I can't remember
4 exactly. There weren't very many prescription drug
5 abusers anyway in the whole sample. So it was
6 probably -- I don't know, maybe two-thirds were on
7 their own, and maybe a third for physician, something
8 like that.

9 ACTING CHAIRMAN KATZ: Other comments
10 about methodology for detecting these adverse outcomes
11 that should be incorporated into the clinical trials
12 setting? For example, should we be monitoring
13 neuropsychological function routinely in opioid
14 clinical trials for chronic pain? Dr. Schuster?

15 DR. SCHUSTER: Let me just ask one
16 question, because I am not acquainted with how people
17 -- either of the experts -- how you do long term
18 clinical trials. It's been suggested that there
19 should be clinical trials that look over the course of
20 a year, and we're talking about psychiatric
21 comorbidity.

22 You talk about stratification. Are we
23 talking about treatment of those psychiatric comorbid
24 conditions or -- We certainly can in an ethical
25 fashion have people go for a year without treatment.

1 Are we going to ensure that the treatment is uniform
2 across all the sites that these people are coming to,
3 because if it's not, then you've got really troubles
4 in terms of interpreting the interaction of that
5 treatment with the outcome for the treatment with the
6 analgesic agent.

7 What's the usual standard here?

8 ACTING CHAIRMAN KATZ: The usual standard
9 is that patients with any significant comorbid -- The
10 usual standard is that it's not even looked at. If it
11 is looked at, that creates problems, of course, and
12 patients with significant psychopathology are excluded
13 from the trial almost universally in opioid chronic
14 pain analgesic trials, although typically that's done
15 by investigator judgment. Sometimes it's done by
16 questionnaires.

17 If it is done by -- There have been
18 instances that I can point to. For example, we just
19 finished and reported a 690 patient study of a
20 nonsteroidal anti-inflammatory drug for chronic low
21 back pain where patients with significant
22 psychopathology by the judgment of the investigator
23 were to be excluded. But of course, there was this
24 pesky questionnaire that they also filled out, and it
25 turned out that something like 10 to 15 percent of the

1 patients, despite having been included by the
2 investigator, had moderate to severe either anxiety or
3 depression, but there was no mechanism in the trial
4 built in a priori to deal with that. So it's never
5 been really dealt with.

6 The question of neuropsychological testing
7 in clinical trials -- should that be monitored? Are
8 you going to answer this question?

9 DR. MAX: No. I want to just respond to
10 Bob. I'm the chair of our IRB. I think that if this
11 is an intervention into the medical system, one has to
12 give some people opioids, some not. I think it's very
13 reasonable -- My IRB just reviewed that I could do a
14 psychiatric assessment if some issue came up just
15 during the -- The patient says, oh, I'm disturbed
16 about this. Talk to your doctor.

17 I don't think we are obligated as long as
18 the patient is informed that this is purely for future
19 knowledge, and extensive psychiatric is not mandated.

20 DR. SCHUSTER: Well, I guess, obviously,
21 IRBs differ depending upon where you are. All I can
22 say is that, obviously, it would -- We would not admit
23 anyone, clearly, for example, who had significant
24 major depressive disorders with suicidal ideation.

25 I mean, you know, these kinds of things

1 are clear, but I just wondered whether or not people
2 were being treated for these, because if you are going
3 to then be monitoring the urine for other substances,
4 as was suggested -- if they are suffering from
5 generalized anxiety disorder and they are showing up
6 with diazepam in their urine, you know, this may be
7 self-medication as opposed to abuse of these things,
8 and that should be known.

9 DR. MAX: But in terms of
10 neuropsychological testing, there have already been
11 many short term studies that show within about three
12 days of increasing the dose, people perform pretty
13 well, and a number of controlled trials showing that
14 at six to eight weeks there is normal function on
15 stable doses of opioid. So I wouldn't make that a
16 high priority.

17 ACTING CHAIRMAN KATZ: There is actually
18 no prospective controlled trial looking at before and
19 after neuropsychological function in patients given
20 opioids for chronic pain. The only study that's
21 available is Jennifer Haythornthwaite's study.

22 That was a simple pre/post, single arm,
23 open label study, taking patients already on opioids,
24 organizing their opioids, and seeing what happened to
25 their neuropsychological function, which actually

1 improved in that particular trial. But there is no
2 other published controlled study.

3 DR. MAX: There are the two abstracts I
4 talked about that will be out in the next year, the
5 Rowbathan and the Raja.

6 ACTING CHAIRMAN KATZ: What are the
7 results?

8 DR. MAY: The results in Haythornethwaite
9 then tested people given placebo or opioid or
10 nortriptyline for about seven weeks, and there was
11 absolutely no effect on a whole battery of tests of
12 either of the medicines and morphine 90 milligrams a
13 day, nortriptyline 90 versus an inactive placebo.

14 ACTING CHAIRMAN KATZ: Super. Thanks.

15 DR. SCHUSTER: I would also point out
16 there's a literature from methadone maintenance
17 treatment where cognitive testing has been done, and
18 it has been impossible to distinguish individuals
19 maintained on very high doses of methadone even from
20 matched normal controls.

21 ACTING CHAIRMAN KATZ: I still would
22 introduce a note of caution, that we are sitting here
23 with very advanced practitioners aware of even
24 unpublished studies, and there's still a wide
25 perception out there in the community that

1 deterioration of neuropsychological function is one of
2 the potential risks of long term opioid therapy.

3 It would seem to me that a company that is
4 considering marketing a product would do well by
5 continuing to shore up evidence that that indeed is
6 not a problem. I wouldn't be so quick to throw it
7 away, because a few of us here are aware that it may
8 not be an issue.

9 Dr. McNicholas.

10 DR. McNICHOLAS: Just to comment on that,
11 I would absolutely agree in shorting up the evidence
12 base, but I would also urge somebody to perhaps
13 organize the present evidence and make it available
14 for education, whether or not we can alter practices,
15 but certainly I think that that would be an
16 educational opportunity that people who are marketing
17 these drugs should not miss.

18 ACTING CHAIRMAN KATZ: Are there any other
19 burning questions about how one monitors these adverse
20 events in the clinical trial setting? Are there any
21 other burning questions? Dr. Tobin.

22 DR. TOBIN: Just a question, because I'm
23 not a toxicologist, and I need someone in drug
24 detoxification to potentially answer this or someone
25 in toxicology.

1 Is urine screening -- Even if we know all
2 the substances and metabolites we are going to look
3 for, is that sufficiently sensitive for what I'm
4 proposing compared with needing recurrent plasma
5 samples, or are they even complementary?

6 ACTING CHAIRMAN KATZ: Dr. Reidenburg?

7 DR. REIDENBURG: Yes. I can address that
8 with respect to compliance with other medications.
9 That is that often the urine screens are more
10 sensitive, because of the concentration of the urine.

11 The issue is that for many drugs you need
12 to measure metabolite which, being more water soluble,
13 often is harder to measure, because the old fashioned
14 extraction methods won't pick them up.

15 Another thing that is known from the
16 compliance measurements in hypertension is that
17 everybody has any hypertensive medication in their
18 urine when they visit the clinic, but when you use the
19 computerized bottle caps, you see that compliance is
20 misrepresented by urine testing.

21 ACTING CHAIRMAN KATZ: Are there any other
22 questions or comments? Jeff Bloom?

23 MR. BLOOM: Just one other comment. I
24 would be remiss if I did not mention this. That is to
25 dispel the common myth about opioids and the drug

1 load. It might sound like my partner, given the load
2 of medication that he is on -- you might think he
3 would be a zombie, but actually he has his life back.

4 He's more productive than he's ever been. He's
5 painting again. He actually feels like a human being
6 again.

7 For people that think that, you know,
8 opiates are a fun trip for people, that it's just a
9 vacation, they are not. It's actually a way to have a
10 functional life from a very painful existence, and I
11 really hope everyone keeps that in mind, that it's not
12 a joy ride for people.

13 You know, there are a few people that
14 certainly abuse it, but for most of us it's a
15 difference between having a quality of life and not
16 having a life at all.

17 ACTING CHAIRMAN KATZ: Thank you. Well,
18 if there are no other comments or questions -- I'm
19 giving everybody a last chance -- then I'll proceed
20 and adjourn the meeting with expression of -- Oh, Dr.
21 Kweder, did you have some comment?

22 DR. KWEDER: Yes. As you adjourn, I would
23 just like to thank the panel for your willingness to
24 tackle these difficult issues that are often like
25 Jello. They are often like Jello for us, too.

1 In particular, I want to respond to Dr.
2 Smiley's frustration. You know, the questions that
3 you asked about, you know, well, what's the diagnosis
4 -- those are the questions that we ask as well. We
5 have scoured the earth, believe me, looking for
6 answers to some of those.

7 Unfortunately, you know, as a public
8 health agency, we find ourselves in a situation of not
9 having a specific diagnosis or one with the acumen we
10 would like, but being put in the uncomfortable
11 position of being told we will do something.

12 Whether or not that's politics or public
13 health is, you know, in the eye of the beholder, but
14 we live in a very political society, and we live in a
15 society that places demands on us, whether one
16 considers them political or not.

17 So a lot of your frustration is exactly
18 the frustration that we feel, and we apologize for
19 sometimes not being able to be a little bit more
20 specific, but you have given us some great insights
21 that we will take back and try and create into some
22 concrete efforts as we go forward.

23 Many of the questions that we've brought
24 to you today, hopefully, we'll be able to bring back
25 to this panel in more focused, specific ways as we

1 look toward specific risk management programs or ideas
2 to implement. So thanks, as well as the clinical
3 trials arena. Your discussion has been very helpful.

4 Thank you.

5 ACTING CHAIRMAN KATZ: Dr. Rappaport, any
6 last words?

7 DR. RAPPAPORT: I would just like to add
8 my thanks. We have received a lot of interesting
9 comments over the last two days, and it's going to be
10 enormously useful to us.

11 ACTING CHAIRMAN KATZ: Let me thank the
12 Committee for helping me in having a very constructive
13 discussion on some very difficult issues, and to you
14 all for coming. Safe travels.

15 (Whereupon, the foregoing matter went off
16 the record at 4:42 p.m.)

17

18

19

20

21

22

23