

1 dispensed in 2007. Oxycodone products,
2 immediate and extended-release combined, are
3 second among opioids, with approximately 15
4 million patients filling 42 million
5 prescriptions in 2007. Approximately 1.3
6 million patients filled 5.5 million
7 prescriptions for the generic Oxycodone ER in
8 2007, and 400,000 patients filled two
9 million OxyContin prescriptions in 2007.

10 The highest extended-release
11 Oxycodone prescription volume was found in
12 Florida, California, Pennsylvania, Ohio, New
13 York, and New Jersey. The Teva brand led the
14 extended-release Oxycodone market share with
15 37 percent, Purdue was second with 27 percent,
16 followed by Watson, with 18 percent. General
17 practitioners, internal medicine, and
18 anesthesiologists were the leading prescribers
19 of extended-release Oxycodone products. And,
20 lastly, these products are most commonly
21 dispensed to patients aged 41 to 65 years.

22 I would like to acknowledge Mara

1 McAdams, a fellow with the Office of
2 Surveillance and Epidemiology for her
3 assistance. This concludes my presentation.
4 Thank you.

5 CHAIR FARRAR: Thank you very
6 much. We started about 15 minutes late, and
7 have been able to stay basically on schedule.
8 I'd like to try and catch up by about five
9 minutes. We will resume here at 11:10.

10 I'd like to take this time to
11 remind the panel members that there should be
12 no discussion of the topic during the breaks
13 amongst ourselves or with any member of the
14 audience. I'll see you promptly at 11:10.

15 DR. WATKINS: And if those members
16 who had pre-ordered your lunches, if you could
17 drop your money off at the meeting
18 registration desk just outside the room during
19 the break, that would be great.

20 (Whereupon, the proceedings in the
21 foregoing matter went off the record at 11:02
22 a.m. and went back on the record at 11:15

1 a.m.)

2 CHAIR FARRAR: Okay. We would
3 like to continue now with the presentations,
4 if I could ask people to please take their
5 seats.

6 The next presentation is Joe
7 Gfroerer on the prevalence and pattern of non-
8 medical use.

9 MR. GFROERER: Okay. Thanks.

10 Hello. I'm Joe Gfroerer from the
11 Office of Applied Studies in SAMHSA, and I'm
12 going to present some data from the National
13 Survey on Drug Use and Health, the latest data
14 on OxyContin and pain reliever misuse.

15 It's important to understand the
16 source of the data and how it's collected in
17 terms of interpreting it. The National Survey
18 on Drug Use and Health is a nationally
19 representative survey. It is also represented
20 within each of the 50 states and D.C. And it
21 covers the civilian non-institutional
22 population age 12 and older.

1 Data are collected using face-to-
2 face interviews in people's homes. It takes
3 about an hour to complete the interview. And
4 it's done with computer-assisted interviewing
5 to -- and mainly self-administered -- to
6 improve the accuracy of reporting based on
7 experiments that we've done.

8 And we get about 67,000
9 respondents each year. It's continuously in
10 the field. And it's also important in terms
11 of tracking trends to recognize the changes in
12 the survey that actually affected the trends
13 and created breaks in the trend, and those
14 were in 1999 and 2002.

15 So even though we collected data
16 on prescription drug misuse back into the
17 '70s, we can't do a long-term trend. The data
18 I'm presenting will focus on the 2002 to 2006
19 time period.

20 And we have the response rates
21 there at the bottom. The response rate is
22 about 91 percent in 2006 for the selected

1 households. That's a percent of those
2 selected that participated. And then, within
3 the household, the persons selected, about 74
4 percent response rate.

5 These are the kinds of measures
6 that we obtained during the interview focusing
7 on illicit drug use. That's the main issue in
8 the survey. We go through a whole series of
9 questions on different drugs, starting with
10 tobacco and alcohol and then moving into
11 marijuana, cocaine and then finally into
12 prescription drug misuse, which we define as
13 non-medical use of prescription drugs. And
14 I'll talk more about that in a minute.

15 But we get measures of recency of
16 use and create estimates of how many people
17 have used in their lifetime, within the past
18 year, and in the past month; frequency of use
19 based on the number of days used in different
20 time periods. We ask for the date --
21 actually, the age and date of first use, so we
22 can construct incidence data of first time use

1 of each drug.

2 And we also have a series of
3 questions on dependence and abuse that are
4 based on the DSM-IV criteria so we can measure
5 substance use disorders, overall and for each
6 individual substance. And then, also,
7 treatment data asking respondents if they
8 received or needed treatment for substance
9 abuse problems.

10 So this is the definition for non-
11 medical prescription drug use that is given to
12 the respondents before they answer the
13 questions about the prescription drugs. The
14 drug that was not prescribed for you or you
15 took the drug only for the experience or
16 feeling that it caused, and it's only
17 including prescription drugs, not over-the-
18 counter drugs.

19 And the strategy is based on
20 getting estimates of all those measures I
21 showed you for four specific therapeutic
22 classes -- pain relievers, tranquilizers,

1 stimulants, and sedatives. In order to get
2 that, we define the categories, each of these
3 four categories, by naming the specific drugs
4 within those categories and explaining what it
5 means, what it means -- what a pain reliever
6 is, and giving examples.

7 And so we get lifetime use of all
8 of these individual specific pharmaceuticals
9 but then limited data on the -- no details,
10 really, on the specific drug, just other than
11 lifetime use, with a couple of exceptions --
12 OxyContin and methamphetamine. We do go into
13 more detail and get recency of use and age at
14 first use and frequency of use.

15 So each of these therapeutic
16 classes includes a mix of brand name and
17 generic drugs, and this is mainly to define
18 the category, the four categories for the
19 respondents. It's done by using these pill
20 cards. There's four pill cards, one for each
21 of the therapeutic classes.

22 This is the pain reliever pill

1 card. You can see that it shows photographs
2 of the drugs that we expect are the most
3 prevalent and most recognizable to
4 respondents. And the questioning strategy
5 starts with the first three questions, asking
6 about those top three groupings: Darvocet,
7 Darvon, or Tylenol with codeine; and then
8 Percocet, Percodan, Tylox; and Vicodin,
9 Lortab, and Lorcet. So those are specifically
10 asked about as they are worded there.

11 Then, another question follows up
12 by saying: did you use any of these other
13 drugs shown on the card below the red line?
14 And then there are check boxes for each of
15 those.

16 And then, finally, the respondents
17 can report any other drugs by typing them in,
18 even if they are not named on the pill card.

19 So this is what the data looks
20 like. You can see the top three categories
21 there are those first three above the red line
22 that we specifically ask about, and then

1 that's followed by the hydrocodone, codeine,
2 and OxyContin. And these estimates are in
3 terms of number of users in millions in
4 lifetime.

5 So let me talk about the trends
6 and patterns. And, first, in pain reliever
7 use overall, this is non-medical pain reliever
8 use. Since 2002, for these three measures --
9 lifetime use, past year use, and past month
10 use -- we have seen small but statistically
11 significant increases in all three of these
12 measures over the five-year period.

13 And two other measures --
14 substance disorder -- well, pain reliever
15 disorder -- hasn't changed much. It's at
16 about 1.6 million in 2006. And the number of
17 people reporting that they received treatment
18 for pain reliever problem within the past year
19 has gone up significantly, from 360,000 to
20 547,000. And these are self-report from the
21 survey.

22 Looking at the trend by age group

1 -- well, a couple of things here. You can see
2 the prevalence is highest in the 18 to 25-year
3 age group, and now we're looking at past year
4 misuse, non-medical use. We don't see any
5 increase for the 12 to 17-years at 7.2 percent
6 in 2006, and small increases, but
7 statistically significant, for the 18 to 25,
8 and 26 to 34.

9 Now, looking at the lifetime
10 drugs, specific drugs reported in the lifetime
11 among the 18- to 25-year old gives you hints
12 about where those increases might occur, what
13 drugs are involved, and you can see the
14 doubling for OxyContin over on the right there
15 from 2.6 percent ever used to 5.1 percent.
16 Hydrocodone went from 5 to 7.8.

17 So there is some specific drugs
18 that are more likely to have been increased in
19 use during that period. And for the 26 to 34,
20 it is basically the same drug, same pattern,
21 OxyContin going from 1 percent to 2.7 percent
22 in that period.

1 With the state-level data that we
2 collect, we actually -- because of the design
3 of the sample we can pick up sub-state-level
4 patterns, and here is the pain reliever in the
5 past year prevalence. And you can see
6 Kentucky, parts of Colorado, and other parts
7 of the west with the highest rates in red.
8 The blue states in the upper Midwest have the
9 lowest rates, but there are variations within
10 specific areas.

11 And there is quite a variation in
12 these sub-state areas, from 2.4 percent up to
13 7.7 percent across these regions.

14 Now, this is some new data that we
15 began collecting in 2005 where we -- if the
16 respondent reported using pain relievers non-
17 medically, then we follow up asking them,
18 where did they get the pain relievers that
19 they misused.

20 And the pie on the right shows
21 that over half report getting it free from a
22 friend or relative. You can see there's a

1 tiny proportion -- less than -- well, about a
2 tenth of a percent report that they bought it
3 on the internet, and only four percent from a
4 drug dealer or a stranger.

5 And then, the followup question,
6 for those people who report that they got it
7 free from a friend or a relative, asks, where
8 did the friend or relative get the pain
9 relievers that were misused? And they report
10 in that case -- about 80 percent -- that it
11 came from one doctor. Again, very rare
12 reports of drug dealers and internet purchase.

13 Now, that was for all pain
14 reliever users in the past year. When you
15 look at the more frequent users, the heavy
16 users, the pattern changes a little bit.
17 Fewer of the heavy users report from -- free
18 from a friend or relative, and slightly more
19 report from a drug dealer or stranger, and a
20 little bit of an increase for internet, but
21 still low percentages.

22 So this is -- the red bar

1 represents those who have used on 100 or more
2 days within the past year, the frequent users.

3 Okay. Now, focusing more on the
4 initiates -- and these would be people who
5 used drugs for the first time within the past
6 12 months, based on questions in the survey,
7 and these estimates are in thousands, so you
8 can see the number one drug for initiation in
9 2006 was pain relievers with 2.15 million new
10 users. Marijuana is at about the same, 2.1
11 million. You can see OxyContin there on the
12 right at 500,000.

13 Now, it is important to keep in
14 mind, though, that that's not necessarily --
15 the two million pain reliever users were not
16 using illicit drugs for the first time. Most
17 of them had used other drugs. You can see
18 here from the age at first use that inhalants
19 and marijuana are typically used at -- in the
20 mid-teens for the first time, whereas the pain
21 relievers and other prescription-type drugs,
22 when they're misused for the first time it

1 typically occurs in the twenties.

2 So there is a lag time, which --
3 and what that means is most of the initiation
4 occurring for pain relievers is -- and
5 OxyContin is occurring among people who have
6 used other drugs. And that's shown here with
7 the lifetime use of other drugs. Among those
8 2.1 million pain reliever initiates, two-
9 thirds of them had used marijuana, 20 percent
10 had used cocaine, and a third had used other
11 types of prescription drugs non-medically --
12 tranquilizers, sedatives, or stimulants.

13 In the OxyContin initiates it's
14 even more pronounced. Ninety-five percent of
15 the OxyContin initiates had used marijuana,
16 and two-thirds had used cocaine. And not only
17 that, but the OxyContin initiates also had,
18 for the most part, already used other pain
19 relievers non-medically. So OxyContin is
20 rarely the first pain reliever that is misused
21 by drug abusers.

22 Okay. Some of the trends and

1 patterns for these -- some of these measures.
2 Basically, there hasn't been much trend. We
3 only have the OxyContin detailed data back to
4 2004. I can't look at the longer-term trend.
5 But since 2004, there hasn't been any
6 significant changes. We've still got about
7 500,000 initiates in the past year, 1.3
8 million past year users, and 330,000 past
9 month users.

10 Looking at the patterns, the age
11 patterns, again, very pronounced. It's the 18
12 to 25 group with the highest prevalence; past
13 year use, 1.74 percent of the 18- to 25-year
14 olds. And over on the right what we're
15 showing there is pain reliever dependence
16 among OxyContin users. We don't have
17 OxyContin dependence or abuse. This is the
18 closest we can get, so it's, among the
19 OxyContin users, how many are pain reliever
20 dependent or abusing.

21 And it shows pretty much the same
22 pattern, the highest rate in the 18 to 25

1 group. Very low rates in the 50 and older
2 group. By gender, there is a slightly higher
3 rate of use among males. Dependence or abuse
4 is about the same, males and females.

5 Very large discrepancy in terms of
6 race-ethnicity, and these are in terms of
7 rates again. These are not numbers of people.
8 So it's not because there's more whites in the
9 population. These are the actual rates. It's
10 really dominated by whites, low rates for
11 blacks and Asians, Hispanics a little higher
12 than blacks and Asians.

13 Now, this is a pattern that's a
14 little different from what we usually see for
15 many kinds of drug misuse, drug abuse, where
16 the metropolitan areas, large metropolitan
17 areas, have lower rates than small metro and
18 non-metro areas.

19 And the map that we constructed
20 here, we put together five years of data to
21 look at lifetime OxyContin use, and it does
22 show the similar pattern to what we saw for

1 the -- that sub-state map for pain reliever,
2 with some of the red states being in the New
3 England area and in the Appalachian area, also
4 up in Montana and Washington and Alaska.

5 And here we are looking at past
6 year use of OxyContin and other pain
7 relievers. Among the -- well, we're looking
8 at illicit drug use among the OxyContin users,
9 the other pain reliever users, and then
10 persons who haven't used any pain relievers.
11 Big difference is where the OxyContin users in
12 the past year are more likely to be also using
13 marijuana, cocaine, hallucinogens, and even
14 heroin.

15 And then, finally, what we've done
16 here is looked at kind of a crude measure of
17 abuse/dependence potential, where we're
18 looking at the past year users of each drug
19 and computing the percent of those users that
20 were dependent or abusing that substance. So,
21 for example, for alcohol, 12 percent of the
22 users of alcohol in the past year are

1 dependent or abusing. Five percent of that is
2 dependence, seven percent abuse.

3 And it shows that the OxyContin
4 abuse is 28 percent, highest of these
5 substances, similar to the cocaine prevalence.
6 Twenty-three percent of users have pain
7 reliever dependence.

8 And that's all I have for today.
9 Thank you very much.

10 CHAIR FARRAR: Thank you. We'll
11 move right into the presentation by Judy Ball,
12 also from SAMHSA.

13 DR. BALL: Good morning. I'm the
14 Director of the Division of Facility Surveys
15 in the Office of Applied Studies, and Facility
16 Surveys includes the Drug Abuse Warning
17 Network.

18 Today I'm going to be giving you,
19 first, a brief overview of DAWN and then
20 talking about some of the key findings from
21 DAWN from 2006, with comparisons for 2004 and
22 2005, focusing mostly on non-medical use of

1 opiates and opioids.

2 These estimates I'm going to be
3 showing you today for all three years have not
4 yet been published, so this is the first
5 public presentation of them.

6 And we are able, with the DAWN
7 data, to divide the oxycodone reports into
8 extended versus immediate release products.
9 So we'll see estimates individually for those.

10 DAWN relies on a stratified
11 probability sample of hospitals -- short-term,
12 general, non-federal hospitals, with 24-hour
13 emergency departments across the country. The
14 sample is structured so that we have
15 oversampled hospitals in selected metropolitan
16 areas. We call those "oversample areas." And
17 then, we have a sample of hospitals from the
18 remainder of the country, the remainder area.
19 And those two components put together comprise
20 the entire United States.

21 The national estimates that I'm
22 going to be showing you account for the sample

1 design. They also account for unit non-
2 response, that is non-response of whole
3 hospitals, and also for partial non-response
4 in the non-responding hospitals.

5 I should emphasize here that the
6 sole purpose of the remainder area is to
7 complete the national estimate. So what I'm
8 showing you here are estimates for the entire
9 country, which are derived from the oversample
10 areas plus the remainder area.

11 This summarizes the data from 2004
12 to 2006 from DAWN. The sample of hospitals
13 numbered over 500 hospitals in each of the
14 three years. The sample is updated annually.
15 Responding hospitals, we had more than 200 in
16 each year, and those 200 hospitals reported
17 between 169- and 269,000 emergency department
18 visits, drug related.

19 DAWN data are collected from a
20 retrospective review of ED medical records.
21 Patients aren't interviewed, doctors aren't
22 interviewed, and in 2006 nearly 10 million

1 charts had to be reviewed in order to find
2 about 347,000 DAWN cases. That's a capture
3 rate of about three percent. In 2006, only
4 about 15 percent of charts were not reviewed
5 in responding hospitals.

6 Now, the analysis domain -- we
7 start with all of the drug-related emergency
8 department visits that are submitted to DAWN,
9 and then we can divide those out into medical
10 use and non-medical use. Medical use is when
11 somebody has an adverse event, goes to the
12 emergency room, they took the drug according
13 to how it was prescribed or directed.

14 So on the medical use side, we
15 only have pharmaceuticals. On the non-medical
16 use side, we have pharmaceuticals, also the
17 illicit drugs and alcohol. And I'll be
18 focusing on the pharmaceuticals, obviously,
19 today.

20 Now, in DAWN, because the data are
21 collected from a retrospective review of
22 medical records, defining non-medical use is

1 a little different than it is in the NSDUH.
2 Based on retrospective chart review, we have
3 patients who exceeded or prescribed a
4 recommended dose, patients who used a drug
5 that had been prescribed for someone else. We
6 have cases of malicious poisoning, although
7 they are relatively small in number. And
8 then, we have cases of documented substance
9 abuse. All of this based on the documentation
10 in the medical record.

11 This category of non-medical use
12 excludes the drug-related suicide attempts,
13 but it includes the suicide ideation, plans,
14 and gestures. So only the attempts, the
15 outright attempts, are taken out of the non-
16 medical use category.

17 This slide -- I'm going to show
18 you some bar charts that give you an overview
19 of the estimates from 2004 to 2006. And the
20 bars are going to be gray when there is no
21 significant change, like this, and when
22 there's a significant change then they are

1 going to be in color.

2 So for the first set of estimates
3 here -- this one -- that's all the drug-
4 related emergency department visits that were
5 reported to DAWN. And I normalized these in
6 terms of hundred thousand population.

7 So we saw an increase from 2004 to
8 2006 in all types of drug-related emergency
9 department visits.

10 For the non-medical use over on
11 the right, over here, we saw an increase
12 overall between 2004 and 2006. And for the
13 medical use, which is -- I have too many
14 buttons here -- the medical use, which is this
15 group, we saw an increase in all three years.
16 We suspect that part of that increase from
17 2004 and 2005, for example, is due to better
18 case reporting methods.

19 Now let me turn my attention to
20 the national estimates of non-medical use for
21 the prescription opioids. When we produce
22 estimates, it's important to recognize that

1 they're not exact numbers. They're estimates,
2 and they're based on sample data. And so they
3 -- all of the estimates that we have, all of
4 the estimates we produce, have this so-called
5 margin of error associated with them.

6 And to emphasize this, most of the
7 estimates I'm going to be showing you are
8 going to be in terms of 95 percent confidence
9 intervals. And that is going to look like
10 this. So the green bar represents the
11 confidence interval, and the estimate is the
12 little red box in the center that falls
13 between the upper and lower bound.

14 So for the non-medical use of all
15 different types of opiates -- I have selected
16 some here -- we see that DAWN estimates about
17 65,000 non-medical use visits for the
18 oxycodone products. This is all types of
19 oxycodone products. And the 95 percent
20 confidence interval ranges from about 50,000
21 to about 80,000 visits in 2006, so that's this
22 bar here.

1 The estimate for oxycodone
2 products is not significantly differently than
3 the estimate for hydrocodone, which is this
4 bar here. The two confidence intervals
5 overlap. They are not significantly
6 different.

7 But we have also already heard
8 from the FDA that the hydrocodone
9 prescriptions far outnumber the oxycodone
10 prescriptions.

11 And also on this slide I show
12 fentanyl and morphine, which are down here.
13 Here's the fentanyl estimate; here's the
14 morphine estimate. Those are significantly
15 lower in terms of ED visits than for
16 hydrocodone or oxycodone.

17 Now, one of the issues I want to
18 bring to your attention is that because DAWN
19 collects data from medical records, we
20 sometimes don't have as much detail as we
21 would like. So we have an estimate here for
22 the opiates and opioids that were unnamed.

1 These are unspecified reports.

2 And the estimate for these is not
3 significantly different than the estimate that
4 I showed you for oxycodone and hydrocodone.
5 It's an important thing to keep in mind. So
6 we don't know exactly what opiates or opioids
7 are contained in this estimate.

8 Another problem sometime arises
9 when you have patients who are receiving
10 buprenorphine or methadone for opiate
11 addiction treatment. When a patient presents
12 to the emergency department, that may be an
13 important factor that is recorded in their
14 medical record, but sometimes we can't tell if
15 the methadone or the buprenorphine was
16 actually related to this visit. It may be an
17 incidental finding.

18 But it's important to keep in mind
19 in the background, and here we see the numbers
20 for methadone over here. And this estimate is
21 also not significantly different than
22 hydrocodone and oxycodone. But we can almost

1 be sure that it means something different.

2 And the buprenorphine numbers are quite low.

3 Okay. Moving on to the oxycodone

4 estimates broken down by release type.

5 Oxycodone, as well as other products --

6 pharmaceuticals -- can be reported to DAWN by

7 the brand name, by the trade name. They can

8 be reported by a generic name, or they can be

9 reported by ingredient.

10 And to look at the extended versus

11 immediate release oxycodone products, what we

12 did was we took all of the terms in the DAWN

13 drug vocabulary and classified them according

14 to extended release, immediate release. And

15 here is the list or a partial list of the ones

16 that we've included in extended and immediate

17 release categories.

18 So on the extended release side

19 over here, OxyContin obviously is categorized

20 there, and it comprises most of the extended

21 release reports that we have received. We

22 added alternate terms to the DAWN drug

1 vocabulary in order to pick up the generics
2 when they came on the market. We haven't
3 gotten much for our efforts to include all of
4 these terms.

5 On the immediate release side,
6 most of the immediate release formulations
7 reported to DAWN are Percocet -- the
8 acetaminophen-oxycodone combination. But we
9 do also receive some reports of the aspirin
10 and ibuprofen combination products, as well as
11 oxycodone immediate release itself.

12 We also have -- we also receive
13 reports that we can't classify according to
14 release type. And in most cases, it's when
15 the drug is reported to DAWN simply as
16 oxycodone. There are some other alternate
17 terms, but 97 percent of the unknown release
18 types were reported to DAWN simply as
19 oxycodone, based on the documentation in the
20 medical record.

21 Okay. So here are the confidence
22 intervals for 2004 for the oxycodone products

1 broken down by extended, immediate release,
2 and unknown release type. So you see here
3 that the extended release bar goes from about
4 15,000 visits up to 30,000, with an estimate
5 of 22,000; immediate release, 12- to 25,000,
6 with an estimate of 18,000. These are not
7 significantly different. The unknown release
8 type over here is, however, significantly
9 lower at about 5,000 visits.

10 For 2005, we see the same pattern.
11 In 2006, we see a similar pattern. Now, this
12 slide puts together all three -- all three
13 years together, and it shows that for the
14 extended release oxycodone we saw no increase,
15 actually no change in statistical terms, from
16 2004, 2005, and 2006.

17 Immediate release, we saw an
18 increase, a significant increase, from 2004 to
19 2006, but not 2005 to 2006. And for the
20 unknown release type, we saw an increase in
21 all three years.

22 Now, we've already heard that the

1 generics went on the market in -- I guess
2 started in 2004. We can't tell the extent to
3 which this increase in the unknown release
4 type is due to the generics or some other type
5 of non-specific reporting.

6 Now, if we compare this to the ED
7 visits that are associated with medical use of
8 these same drugs, we see a slightly different
9 pattern. The extended release oxycodone rose
10 significantly from 2004 to 2006. Immediate
11 release, also an increase from 2004 to 2006.
12 And the unknown release type also increased in
13 all three years.

14 Drilling down to the non-medical
15 use, extended release oxycodone we see no
16 significant difference across the three years.
17 Immediate release, increase from 2004 to 2006.
18 And the unknown release type, again, increase
19 across all three years.

20 This chart puts side by side the
21 non-medical use and medical use types of ED
22 visits, and then breaks them down in the

1 release type, so that we see that the
2 immediate release oxycodone on the medical use
3 side is higher than the extended release,
4 probably reflecting the prescription pool.

5 We had more extended release on
6 the non-medical use side than the medical use
7 side. And in both cases, the non-medical and
8 medical use, the number of the unknown types
9 is rising as a proportion of the total.

10 This puts the oxycodone numbers
11 for all three years and compares them to the
12 hydrocodone estimates, which are -- the
13 hydrocodone is the green bar in the
14 background. And we can see here, as I
15 mentioned earlier, that the extended release
16 oxycodone isn't increasing much across the
17 years. It's not a significant increase.

18 Immediate release is increasing,
19 and the unknown type is increasing. But these
20 estimates for oxycodone combined are not
21 significantly different than for hydrocodone.

22 Now, this chart breaks down the

1 emergency department visits per hundred
2 thousand population by age group and by
3 gender. And these are presented as rates per
4 hundred thousand population because they
5 correct for the different population sizes in
6 each of these categories.

7 So in this chart and in the ones
8 that will be coming in the next series, the
9 gender bars are on the left, male blue, female
10 pink. The set of bars, then, to the right are
11 the age groups, and in the age groups the two
12 red bars are the youngest ages, below age 21;
13 the two gray bars on the other side are above
14 age 55 and over; and the blue bars are adults
15 in the center.

16 So this non-medical use for all of
17 the opiates and opioids combined, we see a
18 similar rate for the males and females. The
19 ED visit rates for the age groups from 18 up
20 through 54 are not significantly different.
21 The little yellow star here on the 12 to 17
22 bar highlights that it is a -- has a

1 significantly lower rate than the other age
2 groups.

3 We see a similar pattern for
4 hydrocodone. The visit rates are similar for
5 males and females and for all of the age
6 groups from age 12 up through 65.

7 The pattern for all of the
8 oxycodone is a little different. Males are
9 still not different than females. We see a
10 significantly lower rate among the 12- to 17-
11 year olds compared to the older age groups,
12 and then we see this peak in the 21- to 24-
13 year olds, which is a significant increase and
14 is greater than the -- for example, the 30 to
15 34 group where it sort of drops off.

16 Looking again by release type, the
17 extended release oxycodone, we, of course, see
18 lower rates overall. I kept these charts on
19 the same scale so as not to mislead you by
20 just changing the size of the chart. Males
21 and females, again, the same rates.

22 The ages 12 to 17 and 18 to 20 are

1 significantly lower than the 21- to 24-year
2 olds, and then we see this dip is sort of
3 exaggerated for the 30- to 34-year olds, which
4 is less than the 21 to 24. And then, we see
5 a drop off also in the 55 to 64, and the 65
6 and over age group.

7 The pattern for immediate release
8 oxycodone is similar. We see the lower level
9 for the 12 to 17, but then it's different when
10 you look at the other age groups. Eighteen to
11 20 and up through the adult ages are not
12 significantly different. Then we see another
13 drop off at age 55.

14 And the unknown release type,
15 smaller still. The estimates for the 12 to 17
16 groups, and 18 to 20, there is not enough data
17 there to produce a good estimate. And the 21-
18 to 24-year old age group is significantly
19 higher than its adjacent category.

20 Now, considering that we are
21 looking at emergency department visits
22 involving non-medical use of pharmaceuticals,

1 it is worthwhile to take a look at what
2 happens to the patients after they are
3 released from the ED. Sometimes this is a
4 pretty good measure of the severity of the
5 problem they came in with. If they are
6 admitted to a hospital, they are probably
7 better off than if they were sent home.

8 I've broken the dispositions here
9 into ones that there is no evidence of
10 followup care and those that had some evidence
11 of followup care. "Some followup care" means
12 they were referred to detox or substance abuse
13 treatment, they were admitted as in-patients,
14 or they were transferred to another health
15 care facility.

16 And this is for the oxycodone
17 reports, broken down by release type. And you
18 can see that the -- for the most part patients
19 who come to the emergency department for non-
20 medical use type problems, the majority of
21 them receive -- or there is no evidence of
22 followup care in the medical record. It

1 doesn't mean that they don't receive any, but
2 it wasn't documented in the medical record.

3 Then, in terms of number of drugs,
4 Joe presented information on the number of
5 drugs involved, and we can do that with DAWN
6 as well. The take-home message from this is
7 that the typical non-medical use emergency
8 department visits involves multiple drugs, and
9 those multiple drugs may be alcohol, illicit
10 drugs, other prescription drugs, even other
11 opiates or opioids, maybe combined with the
12 oxycodone.

13 And we don't see much difference
14 here across the different types of oxycodone,
15 whether it's extended, immediate release.

16 So, in conclusion, concerning the
17 non-medical use emergency department visits
18 involving the opiates and opioids, overall
19 these visits are nearing a quarter of a
20 million in a year, and about a quarter of
21 those are oxycodone involved, and about a
22 quarter are hydrocodone.

1 We have seen an increase in both
2 the immediate and the unknown release types.
3 With the increase in the unknown release, we
4 don't know exactly why that's happening. And
5 poly-drug use is typical across all of this.

6 We see the highest visit rates in
7 patients who are age 21 to 54, and the
8 majority of patients who are treated in
9 hospitals -- hospital emergency rooms are
10 treated and released.

11 Now, a couple of important
12 considerations. DAWN does depend on emergency
13 department medical records, and so the link
14 between the emergency department visit and the
15 use of the drug has to be documented
16 somewhere. It doesn't have to be a causal
17 link. The drug can simply be implicated in
18 the visit. But there has to be something in
19 the medical record that links the drug and the
20 visit.

21 Emergency department records don't
22 give us dose levels, and they don't give us

1 the source of the drug. We used to try to
2 collect source, and the data just aren't
3 there.

4 Non-specific drug reports are a
5 problem. When opiates or opioids are simply
6 reported as opiates, we can't do much with
7 that information except to bring it to your
8 attention. And the unknown release type is
9 also problematic, as we see it increasing.

10 And, finally, let me mention that
11 unique names are really essential for good
12 surveillance, that we have a problem with the
13 generics because they don't have a name that
14 we can put in the DAWN drug vocabulary and
15 pick them up. And, frankly, the new proposed
16 OxyContin formulation may also be a problem.
17 If it's called OxyContin, we won't be able to
18 differentiate it from old-style OxyContin or
19 the 80 milligram tablet.

20 Thank you.

21 CHAIR FARRAR: The last speaker
22 from SAMHSA is Deborah Trunzo.

1 Just a comment to the panel.

2 We'll have a few minutes for questions to this
3 group right after this last presentation. So
4 please write down your questions. We won't be
5 able to take too many right now, but we should
6 be able to take a few.

7 MS. TRUNZO: Okay. Good morning.

8 I'm Deborah Trunzo. I'm also from the Office
9 of Applied Studies at SAMHSA, and my
10 presentation today will cover admissions to
11 substance abuse treatment for opioid
12 analgesics, based on data from SAMHSA's
13 treatment episode data set.

14 The treatment episode data set, or
15 TEDS, is an administrative database of client-
16 level information on admissions to substance
17 abuse treatment. States collect the data from
18 their publicly-funded treatment providers and
19 transmit a standard set of variables to
20 SAMHSA.

21 We estimate that TEDS covers
22 roughly about 80 percent of all treatment

1 admissions to specialty substance abuse
2 treatment facilities, accounting for more than
3 1.8 million admission records each year.

4 The standard TEDS data elements
5 include client demographics, drug use history,
6 and treatment-related variables. Today I will
7 focus on the first two categories, especially
8 drug use history. This includes the top three
9 substances of abuse at time of admission, and
10 for each of these route of administration and
11 age at first use.

12 One limitation of TEDS for today's
13 purposes is that the drugs of abuse are
14 reported in generic categories, not specific
15 formulations or brand names, since these
16 distinctions are not really critical to the
17 development of a treatment plan.

18 The basic TEDS data elements
19 divide opioid drugs into two broad categories
20 -- heroin and opiates other than heroin. The
21 category opiates other than heroin is
22 basically comprised of opioid analgesics and

1 is reported by all states.

2 Sixteen states, however, report
3 drugs of abuse in more detail, including eight
4 types of opioid analgesics, and I'll be
5 talking about these in a minute.

6 In 2006, four percent of TEDS
7 admissions reported that their primary drug of
8 abuse was an opioid analgesic. In addition to
9 these 70,000 admissions, another 58,000
10 reported that pain relievers were their
11 secondary or tertiary drug. So all together
12 128,000, or seven percent, of all TEDS
13 treatment admissions reported pain relievers
14 as one of their top three substances of abuse.

15 While pain relievers accounted for
16 a relatively small number of admissions in
17 2006, the number of such admissions has
18 increased dramatically in the last 10 years.
19 Between 1992, the first year for which we have
20 data, and 1997, the number of admissions
21 involving pain relievers remained flat at
22 about 30,000 per year. But in 1998, two years

1 after the introduction of OxyContin,
2 admissions for abuse of opioid analgesics
3 began a sharp upward trend.

4 As shown in this graph, the
5 increase in admissions for abuse of opioid
6 analgesics cannot be attributed to an increase
7 in admissions overall. Since 1997, total
8 admissions have gone up by 12 percent and
9 primary heroin admissions by only 4 percent.

10 In contrast, primary opioid analgesic
11 admissions increased by almost 400 percent,
12 and admissions with any involvement of opioid
13 analgesics increased by nearly 300 percent.

14 As I mentioned earlier, 16 states
15 were able to report opioid analgesics in more
16 detailed categories, as shown in this table.
17 For those admissions in which a specific
18 opioid analgesic was recorded, oxycodone was
19 clearly the dominant substance, accounting for
20 82 percent of the cases.

21 The next most frequently reported
22 drugs, codeine and hydrocodone, accounted for

1 only six percent and five percent of the
2 cases, respectively. Unfortunately, many
3 ended up in the "other" category. This is
4 most likely due to failure on the part of
5 treatment providers to record the specific
6 drug, because we have no reason to believe
7 that there is another opioid drug not listed
8 here that accounts for a large number of these
9 other admissions.

10 The states in blue on this map are
11 the 16 that reported the specific pain
12 relievers that I showed you in the previous
13 slide. Almost all of the 15,300 oxycodone
14 admissions were reported by Maryland, Maine,
15 New Jersey, Ohio, and Kentucky.

16 This graph shows the percent
17 change in admissions for specific pain
18 relievers between 2000 and 2006, based on data
19 from those same 16 states. The change for
20 most drugs was slight, but for oxycodone the
21 increase was more than 1,500 percent.

22 Okay. Now I'm going to return to

1 talking about admissions for all opioid
2 analgesics combined. This map shows how rates
3 per 100,000 population varied by state in
4 2006. The state with the highest rate is
5 shown in dark blue, and that state is Maine.
6 States with admission rates above the 90th
7 percentile but less than Maine's are shown in
8 medium blue and include Massachusetts, Rhode
9 Island, Maryland, and Delaware.

10 The gray-blue states are those
11 with admission rates between the 75th and 90th
12 percentiles, and the yellow states have rates
13 between the 50th and 70th percentiles, and the
14 white states are below the 50th percentile.

15 But in terms of absolute numbers,
16 the states with the largest populations, of
17 course, reported the largest numbers of pain
18 reliever admissions with one exception, and
19 that, again, was Maine.

20 This chart shows admission rates
21 for pain relievers by level of urbanization
22 for the year 2000, which is shown in blue, and

1 2006, which is shown in green. Well, the
2 rates increased at all levels of urbanization
3 during the time period. A pattern across
4 urban and rural areas remained pretty much the
5 same.

6 Level of urbanization is measured
7 in terms of metropolitan statistical areas or
8 MSAs. These range from central city areas in
9 large MSAs to non-metropolitan areas with no
10 cities. The data demonstrate that admission
11 rates for pain relievers in small metropolitan
12 areas and non-metropolitan areas were
13 substantially higher than admission rates in
14 the large metropolitan areas.

15 Okay. The next few slides are
16 going to focus on drug use history and
17 demographic characteristics of admissions for
18 opioid analgesics. More than half of all TEDS
19 admissions, regardless of drug, report abuse
20 of more than one substance. In 2006, 56
21 percent of all TEDS admissions reported a
22 secondary or tertiary substance in addition to

1 their primary drug of abuse.

2 An even larger proportion of

3 primary opioid analgesic admissions did so.

4 Sixty-three percent reported abuse of multiple

5 substances at the time of admission to

6 treatment. The green bars on this chart show

7 the percent of primary opioid analgesic

8 admissions reporting abuse of more than one

9 substance and the particular substances

10 involved.

11 The most frequently reported

12 secondary substance was alcohol, reported by

13 22 percent of primary pain reliever

14 admissions, followed by marijuana at 20

15 percent and cocaine at 17 percent. Ten

16 percent of primary pain reliever admissions

17 reported tranquilizers as the secondary

18 substance, and only seven percent said that

19 they have used heroin in addition to pain

20 relievers.

21 The yellow bars show the primary

22 drugs of abuse for admissions who reported

1 pain relievers as their secondary drug. For
2 these admissions, heroin and alcohol were
3 equally likely to be the primary drug at 29
4 percent each, followed again by cocaine and
5 marijuana.

6 This graph demonstrates how route
7 of administration for opioid analgesic
8 admissions varies by age. In 2006, oral was
9 by far the most common route for all ages,
10 accounting for 74 percent of pain reliever
11 admissions. Inhalation accounted for 13
12 percent, and injection for 10 percent.

13 But note that admissions involving
14 inhalation and injection were concentrated in
15 the younger age groups. Very few admissions
16 over the age of 35 inhaled or injected opioid
17 analgesics.

18 Here we see the corresponding
19 information for oxycodone admissions in the
20 subset of 16 states. The pattern is quite
21 different here. Among the youngest oxycodone
22 admissions, the number injecting the drug was

1 almost the same as the number taking the drug
2 orally.

3 And also, in contrast to all pain
4 reliever admissions, oxycodone admissions were
5 more likely to inject the drug than inhale it.
6 But similar to all pain reliever admissions,
7 injection and inhalation fell off sharply as
8 age increased.

9 This table compares the
10 characteristics of opioid analgesic admissions
11 in 1997 to those in 2006. The proportion of
12 males remained virtually unchanged over the
13 10-year period at about 56 percent, while the
14 proportion of whites increased slightly from
15 83 to 88 percent.

16 Pain reliever admissions in 2006
17 were younger than those in 1997, with the
18 proportion under the age of 20 having doubled
19 and the proportion over 30 having dropped by
20 a third. In 2006, there were relatively more
21 new users admitted to treatment, new users
22 being those who used the drug for less than

1 three years before treatment admission.

2 And, lastly, the percent of
3 admissions taking pain relievers orally by --
4 orally or by injection decreased, while the
5 percent inhaling the drugs increased.

6 This final chart shows age at
7 first use among primary opioid analgesic
8 admissions between 1997 and 2006. And there
9 are a couple of noteworthy findings here. The
10 first is that age at first use for opioid
11 analgesic admissions decreased during the time
12 period, mainly driven by the increase in those
13 initiating use between the ages of 18 and 24.
14 And that is shown in the green band.

15 The second finding is that over
16 the entire 10-year span age at first use
17 occurred before the age of 25 for at least
18 half of all pain reliever admissions.
19 Initiates over the age of 45 accounted for
20 only five percent of all admissions.

21 This suggests that the reason for
22 initiation was other than legitimate medical

1 use in a large proportion of cases. If reason
2 for initiation was medically prescribed
3 treatment of pain, we would expect age at
4 first use to be much less heavily concentrated
5 in the younger age groups.

6 Okay. In summary, the number of
7 treatment admissions for abuse of opioid
8 analgesics has risen sharply in the past
9 decade. In states identifying specific pain
10 relievers, the increase in pain reliever
11 admissions can be attributed almost entirely
12 to oxycodone.

13 Admissions for abuse of opioid
14 analgesics are likely to have other substance
15 abuse problems as well. The youngest opioid
16 analgesics admissions are those most likely to
17 inject or inhale the drug. And first use of
18 opioid analgesics by persons admitted into
19 treatment for abuse of these drugs is more
20 likely to occur before the age of 25 than
21 after the age of 25.

22 Thank you.

1 CHAIR FARRAR: Okay. I want to
2 thank the SAMHSA people for helping us to
3 catch up in terms of time. We have until
4 12:15 to ask questions.

5 One short note, only four of the
6 microphones can be on at any one time. What
7 I'd ask the Committee to do is to signal with
8 your microphone or your hand if you have a
9 question. We'll take your name down and call
10 you in order, but then turn your microphone
11 off. Apparently, if we get more than four,
12 there is a very loud noise, which we'll all
13 object to.

14 So I open the floor for questions
15 about the SAMHSA presentation specifically.

16 DR. WOLFE: I just wonder if any
17 of you, or all of you, could just speculate on
18 these pretty striking differences you see in
19 terms of the immediate release versus the
20 extended release, the big increase over time
21 in the immediate release, and sort of a flat
22 curve or flat line for the extended release.

1 Anyone.

2 CHAIR FARRAR: Would one of the
3 SAMHSA folks --

4 DR. BALL: I'm the one charged
5 with speculation.

6 (Laughter.)

7 With the emergency department
8 data, one of the things that we have to keep
9 in mind is that the reason people go to
10 emergency departments may be affected by a
11 whole lot of things other than drug use. They
12 may seek care in an emergency department
13 because of a problem -- because it's very
14 severe, but they may also seek care in an
15 emergency room because they don't have
16 insurance.

17 So equating the emergency
18 department data with the prevalence data with
19 the treatment data, there are difficulties
20 just making those comparisons, because we are
21 not looking at the same populations.

22 Why the DAWN data show that the

1 number of visits associated with the immediate
2 release products is increasing over time, I
3 don't know the answer to that. It may be a
4 reflection of the amount of drug that's out
5 there. I think we saw from the presentation
6 this morning that the number of immediate
7 release prescriptions was continuing to rise.

8 It may be that the unknown
9 category that I talked about is taking more
10 out of one group than another. If we had
11 known what that was, maybe it would have shown
12 a different difference. I don't know. But
13 that's the extent to which I am willing to
14 speculate.

15 CHAIR FARRAR: Dr. Gardner?

16 DR. GARDNER: I'm not getting a
17 good feeling for where we are learning about
18 the prevalence of the problem in children, in
19 people under the age of 18. And as I look
20 across the databases, I wonder if someone
21 could tell me where you think that's likely to
22 be. It seems that the national survey,

1 although it says it begins with age 12, it
2 doesn't tell us how many of your respondents
3 were between 12, and, say, 18.

4 It seems that with DAWN they need
5 to get to an emergency department in order to
6 be included. And with TEDS they have to be in
7 treatment at that age. And as I look at the
8 proposed risk map that the sponsor has offered
9 us, using RADARS it seems to be people who are
10 18 and over.

11 So I'm a little confused about how
12 we're learning about -- for example, I asked
13 my colleague if someone -- if paramedics are
14 called to a party where there has been an
15 overdose and a young person died, will that
16 person be taken to the ER, or where would we
17 get data about those. So could you help me
18 understand where we will learn going forward
19 about the extent of the problem in young
20 people.

21 DR. BALL: On the emergency
22 department side, if a patient -- if paramedics

1 are called and a patient has died and doesn't
2 go to the emergency room for treatment, then
3 they wouldn't show up in the DAWN data. The
4 same is true for patients who might die after
5 their emergency department visit. DAWN is
6 only able to observe what happens in the
7 emergency department. So a patient is
8 admitted to an in-patient unit and then dies
9 later; DAWN wouldn't pick that up.

10 The DAWN numbers that I showed,
11 starting at age 12, it's not because DAWN
12 doesn't go below age 12. It's because the
13 numbers under age 12 are so small that the
14 estimates are too imprecise to report.

15 And, Joe, I can let you talk about
16 the NSDUH.

17 MR. GFROERER: I didn't present a
18 lot on the 12 to 17, but I did show that the
19 overall prevalence between '02 and '06
20 declined, wasn't statistically significant,
21 basically 7.6 down to 7.2 percent for the past
22 year use. So we don't see -- and in other

1 analyses we have done we haven't seen any
2 indications of increasing use of prescription
3 -- increasing misuse of prescription drugs in
4 the 12 to 17.

5 And the 12 to 17 data is --
6 represents the entire 12 to 17 population. We
7 have -- we can break it down by single year of
8 age, and what it shows is the -- within
9 increasing age the rates get higher, but
10 overall 12 to 17 rates are not increasing.

11 CHAIR FARRAR: Dr. Maxwell?

12 DR. MAXWELL: Dr. Gfroerer, don't
13 go away. I've got a question for Dr. Ball,
14 too.

15 Monitoring the Future, which is
16 the school survey sponsored by NIDA, does show
17 increases, does it not, in abuse of
18 prescription drugs? That might not be a fair
19 question without the data here, but that is --

20 MR. GFROERER: Yes, I can't answer
21 that.

22 DR. MAXWELL: -- a source that we

1 did talk about today.

2 MR. GFROERER: Yes, I don't know.

3 DR. MAXWELL: Okay. And, Dr.

4 Ball, I wanted to ask you, because the risk
5 maps keep talking about DAWN, would you
6 clarify for us? The data you presented were
7 the national estimates. How many metro areas
8 are actually sampled in DAWN for which
9 estimates are available?

10 DR. BALL: The years that I showed
11 -- 2004, '05, and '06 -- we had 13 oversample
12 areas that were represented -- representing
13 themselves in the national estimate, and in
14 2006 we had 12. That was following the demise
15 of New Orleans in the DAWN sample. So 13
16 metro areas in 2004 and 2005, 12 in 2006.

17 DR. MAXWELL: Thank you.

18 CHAIR FARRAR: I'm next, and I'd
19 like -- actually, you could stay there for a
20 minute. I have a question.

21 (Laughter.)

22 Specifically, you started the

1 presentation by saying that there has been an
2 increase in opioid abuse and misuse in general
3 over the past 10 years and that at least some
4 of that is better recording. And the one
5 slide that you showed, number 21, that had
6 actually a comparison between the two seemed
7 to show the same increase in hydrocodone use
8 as in oxycodone use, and I'm just trying to
9 understand how you can help us -- so you can
10 help us to understand the monitoring of any
11 particular drug within that mix, with two
12 specific questions.

13 One is, it seems to me that the
14 strength of the data is in comparison between
15 a particular drug and other drugs that are
16 also reported. The second problem -- the
17 problem with that, though, is that whenever a
18 drug becomes popular, and we see this with the
19 AERS reporting to the FDA, that all of a
20 sudden you get a rash of reports, because
21 people pay attention to that drug and are sure
22 to write it down.

1 And I wonder if you could comment
2 on how that affects the data, in particular
3 with regards to possibly being able to assess
4 a change in the use of oxycodone products over
5 the years, which is really what we're being
6 faced with here.

7 DR. BALL: There are a lot of
8 questions in there. I cannot talk with DAWN
9 data about changes over the past decade. DAWN
10 was redesigned in the early 2000s. The full
11 impact of the redesign occurred in 2004, and
12 so we cannot make any comparisons from 2004
13 forward to anything from 2004 backward.

14 In the last Advisory Committee
15 meeting that I presented data, I think I
16 showed data from '94 to 2002. Those numbers
17 are not comparable to the numbers from DAWN
18 now, because the redesign changed everything
19 so dramatically.

20 The use of comparator drugs is
21 quite common. And one of -- many of the
22 charts I showed here looked at comparisons.

1 We can look at hydrocodone and oxycodone and
2 see that they are not significantly different
3 in terms of the number of emergency department
4 visits we are seeing.

5 We can look at these individually
6 over time. In the interest of time, I didn't
7 show a lot of other drugs. But that certainly
8 is a legitimate way to look at these things.

9 It is possible for some drugs to
10 be more geographically isolated than others,
11 so you may pick them up in different
12 hospitals. I don't know the extent to which
13 this is happening with these particular drugs.

14 The increase that I noted that may
15 be a coding phenomenon had to do with the
16 medical use visits, not the non-medical use
17 visits. Before the redesign, DAWN did not
18 capture medical use of pharmaceuticals.
19 Before the redesign, DAWN captured only things
20 that were labeled "drug abuse."

21 And one of the reasons we changed
22 that during the redesign was we learned that

1 if we went looking in medical records for drug
2 abuse to be written out so explicitly,
3 oftentimes we wouldn't find it. There are
4 lots of good reasons for not writing it down.
5 Sometimes it means the insurance company won't
6 pay for it, among other reasons.

7 So with the redesign, we change
8 the case criteria so we start with a very
9 broad screen. We look at all types of drug-
10 related emergency department visits. Again,
11 the drug has to be implicated. It doesn't
12 have to be a causal link.

13 And then, after we get all of the
14 drug-related events, then we parse them out
15 into these categories of medical use, non-
16 medical use. And the non-medical use we break
17 down in many different ways.

18 Because of the new focus, the
19 brand-new focus on the medical use cases, the
20 adverse events associated with somebody taking
21 a prescription or over-the-counter
22 pharmaceutical as prescribed or directed,

1 because that was brand new we know that there
2 was a learning phenomenon going on.

3 And so we have to be particularly
4 careful about interpreting those early changes
5 from 2004 to 2005 in the non-medical use
6 visits as though those visits were actually
7 going up. We think that we were just getting
8 better at capturing them.

9 Did I get all your questions?

10 CHAIR FARRAR: Thank you.

11 Steve Passik?

12 DR. PASSIK: One of the things I
13 always have trouble understanding in looking
14 at the household survey data is the lumping
15 together of two categories, one of which sort
16 of didn't really exist before.

17 I mean, you know, when -- before
18 the shift away from things like marijuana to
19 prescription drugs, there wasn't this huge
20 group of young people who were sort of self-
21 treating. There aren't that many 17-year olds
22 with glaucoma who are, you know, using

1 marijuana for an actual symptom, whereas
2 that's sort of a phenomenon that has been
3 evolving with college-age women, self -- you
4 know, using medicines that aren't prescribed,
5 not to get high but to treat pain and sleep
6 disturbances and things of that sort.

7 Do we know anything about the
8 differences in the downstream implications of
9 how people answer that very first question?
10 I mean, did you take it to get high? And
11 then, what happens downstream? For example,
12 you presented data on dependence and that sort
13 of thing, versus if they used for -- because
14 they were in that growing class of -- growing
15 group of self-treaters that are out there.

16 MR. GFROERER: Well,
17 unfortunately, we don't -- we can't get that
18 level of detail on the motivations and the
19 followups. It's a cross-sectional survey, and
20 we have limited time to ask not only about the
21 broad categories but particularly about
22 specific drugs. And that's why we construct

1 the questionnaire the way it is, basically to
2 save time.

3 Most of the interview focuses on
4 marijuana, cocaine, alcohol, tobacco, and
5 other drugs, so there is a limited time for
6 the prescription drug.

7 We are looking at a redesign,
8 where we might alter some of the definitions
9 that we use and the drugs covered and some of
10 the additional information about motivation
11 and things like that.

12 CHAIR FARRAR: We're going to have
13 time for two more. And I'd like to try and
14 ask the Committee to keep the questions
15 focused on the question for today, which is
16 how we'll use these systems to monitor.

17 Dr. Bickel?

18 DR. BICKEL: I'm interested in the
19 TEDS data set, because that's the one that is
20 probably going to map most closely to the
21 sponsor's plan of their epidemiological study
22 analysis plan looking at the proportion of

1 study participants at outpatient treatment
2 programs.

3 And I just was wondering -- one of
4 the big changes that have happened in those
5 programs in the last several years is the
6 advent of physician-based buprenorphine
7 treatment. I was wondering how that
8 influences your assessment of people seeking
9 treatment for opioid dependence and those
10 measures that you reported.

11 MS. TRUNZO: Yes. Well, people
12 seeking treatment from -- you know, in office-
13 based treatment will not be included in TEDS.
14 So, yes, that is one of the limitations of
15 TEDS.

16 Another in this instance is that
17 most of the facilities included in TEDS
18 receive funding through the single state
19 authority, the state substance abuse
20 authorities, and some states end up reporting
21 OTP data to TEDS and others don't. And a lot
22 of OTPs are private for profit and may not be

1 included in TEDS. But the office-based
2 treatment is completely out of scope.

3 CHAIR FARRAR: Dr. Nelson?

4 DR. NELSON: There is one other
5 set of data I wonder if any of you can comment
6 on, which is the set of patients who actually
7 died related to any of these medications,
8 medical examiner data or the vital statistic
9 data, if you have anything to report about
10 that.

11 DR. BALL: DAWN does collect data
12 from medical examiners and coroners in
13 selected metropolitan areas and states around
14 the country. One of the reasons for not
15 presenting any of the mortality data here
16 today is because the mortality data are even
17 more difficult to analyze and use for this
18 purpose than the emergency department data.

19 It is relatively infrequent that a
20 medical examiner reports to us a drug by its
21 brand or trade name. Typically, it's reported
22 by its generic or chemical, its ingredient,

1 and so trying to do the kind of analysis that
2 I did here, breaking extended release,
3 immediate release, unknown release type out,
4 simply is impractical with the medical
5 examiner data.

6 I know that there have been other
7 attempts to collect more specific data from
8 medical examiners around the country, but it's
9 not something that is being done at SAMHSA.
10 And I think as far as vital statistics data is
11 concerned, one of your colleagues on the
12 Committee may be better to address that than
13 I -- Dr. Paulozzi.

14 DR. PAULOZZI: That would be me.
15 Yes, we've done some studies looking at
16 medical examiner data and looking at vital
17 statistics data at the CDC. And pictures are
18 similar in terms of age distribution with the
19 data you've seen from emergency departments.

20 And in terms of non-medical routes
21 of exposure, one study in West Virginia showed
22 about 15 percent people using a non-medical

1 route of exposure for prescription opioid
2 drugs.

3 CHAIR FARRAR: Dr. Zuppa?

4 DR. ZUPPA: For the TEDS data set,
5 I found it very alarming that for people age
6 12 to 20 use the drug IV as often as they did
7 oral, and I was wondering if there was any
8 examination of how that changed over time.

9 MS. TRUNZO: We could look at it
10 over time, but that's restricted to that
11 limited number of states, the 16 states that
12 reported the detailed drug. I didn't look at
13 the change over time in terms of route of
14 administration of oxycodone, but I could do
15 that for those few states.

16 DR. PAULOZZI: With respect to
17 TEDS, how did you handle the people with
18 multiple routes of exposure?

19 MS. TRUNZO: With multiple routes
20 of administration?

21 DR. PAULOZZI: Right.
22 Administration.

1 MS. TRUNZO: Well, TEDS only
2 records one route of administration per
3 primary, secondary, or tertiary drug. So --

4 DR. PAULOZZI: Well, if a person
5 reports multiple routes, is there a hierarchy
6 for --

7 MS. TRUNZO: Well, since we lumped
8 all opioid analgesics together, there was only
9 one route of administration associated with
10 them, if it was reported as a primary drug or
11 a secondary drug. So I guess I'm not quite
12 understanding.

13 DR. PAULOZZI: Well, the person
14 comes in and says, "I used the drug both
15 orally and by injection."

16 MS. TRUNZO: Oh, I see what you're
17 saying. Well, at the provider level, the
18 information is gathered when a person comes in
19 for assessment. And I don't know how
20 individual providers handle that, what they
21 end up recording, whether they -- you know,
22 the most frequent route of administration

1 maybe, I'm assuming. But, you know, there's
2 probably 10,000 different providers whose data
3 ends up coming into TEDS. So I'm sure that
4 there is probably variation going on there.

5 DR. BURLINGTON: Hi. Bruce
6 Burlington. In trying to look at the SAMHSA
7 presentations and understand how they relate
8 to Purdue's proposed epidemiological study,
9 I'm struggling to understand the impact of
10 secular trends.

11 I mean, I believe Purdue has said
12 they are going to collect baseline data, and
13 roughly two years from now they will be
14 looking at another point in time and trying to
15 figure out whether the frequency of patients
16 admitted to treatment programs who were using
17 oxycodone to get high has gone down or up or
18 stayed the same.

19 Does SAMHSA have any insight at
20 all into whether there is, you know, any
21 possibility of teasing out secular trends of
22 oxycodone in the ER?

1 CHAIR FARRAR: Actually, that was
2 exactly the question I was going to ask, which
3 is, to all three speakers, if you could give
4 a very short answer to the question of whether
5 you think it's going to be possible within the
6 data sets that you have presented to tease out
7 whether a specific product that is produced
8 called OxyContin, we'll be able to dissect out
9 that from other oxycodone use within the data
10 sets that you've got, understanding that
11 physicians very often will simply write
12 OxyContin as a brand in the same -- as a
13 generic, in the same way that Xerox became a
14 generic and Kleenex.

15 I wonder if you could comment as
16 to whether you think the data sets you've got
17 will be able to differentiate between the use
18 of the new product and the old product, or the
19 generics.

20 MR. GFROERER: Well, as I said
21 before, the survey has the pill card which
22 shows OxyContin, and there are specific

1 questions asking about OxyContin. There is no
2 further differentiation. I mean, that's
3 basically it. So we will be able to track
4 trends in the reporting of that item on the
5 questionnaire.

6 CHAIR FARRAR: And that card will
7 have the -- a diagram for the different
8 products that are currently oxycodone-based?

9 MR. GFROERER: We typically update
10 the pictures on a regular basis. So we'll be
11 looking at that. And possibly the pill card
12 would be updated to show the new pictures.

13 I did want to add one thing
14 related to the tracking of the treatment, and
15 maybe Deb could say something about this. I
16 would think -- and maybe you have some data on
17 the lag time between first use and entry to
18 treatment. That could be an issue in terms of
19 using the treatment admissions, to see the
20 impact, you know, at a particular point in
21 time of a new drug.

22 MS. TRUNZO: To answer the first

1 question directly, no, there is no plan in
2 TEDS to get more specific than we already are.
3 TEDS is driven by what states require of their
4 providers, and unless, you know, a substantial
5 number of states require that differentiation
6 from their treatment providers we wouldn't
7 receive that data in TEDS.

8 And, yes, TEDS is capable of
9 showing duration of use before treatment
10 entry, to follow up on Joe's point.

11 DR. ANAND: I was struck --

12 DR. BALL: As I mentioned earlier,
13 this will be problematic in DAWN for capturing
14 the new formulation of OxyContin if it's
15 approved versus the old formulation, if they
16 are both called OxyContin. We can produce
17 estimates, we can break them out as finely as
18 the information is submitted to us based on
19 what was recorded in the medical record.

20 But when we tried to pick up
21 generic OxyContin and put a bunch of terms in
22 our drug vocabulary to do that, either there

1 wasn't a lot of it coming in or it wasn't
2 getting recorded that way in the medical
3 record. So we don't know if that increase
4 that I showed in the unknown release type is
5 actually related to the generic form that was
6 just being reported as oxycodone.

7 If the new -- the new formulation
8 goes on the market, and it's on the market at
9 the same time as the old formulation, the 80
10 milligram, we won't be able to tell the
11 difference if they are both called OxyContin.
12 Just a fact of how the data are recorded.

13 There is another -- there is
14 another component to our surveillance, though,
15 that is worth mentioning, and that is that the
16 national estimates are produced annually, and
17 we're in the process right now of producing
18 2007 estimates. We're sort of midway through
19 2008.

20 DAWN does have another component
21 where the data, as they are being submitted,
22 can be queried on a real-time basis. And the

1 detail of the drugs, right down to the actual
2 term that the drug was reported, is available
3 on that system. Purdue has access to that
4 system for their products. The FDA has
5 access. We maintain that system at SAMHSA to
6 provide that access.

7 And there are some techniques
8 within DAWN Live!, which the system is called,
9 to make sure that you are looking -- over time
10 looking at the same hospitals, at the same
11 reporting level. And while you can't
12 officially do trends, it can give you
13 indicators for what is going on across time
14 periods in that way.

15 CHAIR FARRAR: Just before you go,
16 I guess my question is that in the data that
17 you collect, it's only as good, obviously, as
18 the data that you have. But understanding
19 that the person recording the data might write
20 "oxycodone ER" when they really used
21 OxyContin, the brand, or they might write
22 "OxyContin" when they were using one of the

1 generics.

2 If both of those are available on
3 the market, it will be hard for you to know
4 which one is which, unless they are
5 specifically indicated in the medical record.

6 DR. BALL: Yes. Our reporters are
7 trained to report the drug as specifically as
8 it is entered on the chart. So if OxyContin
9 is documented in the chart, they should record
10 that, not oxycodone.

11 If they -- if reporters input a
12 non-specific opiate, if they just put in
13 opiates in the system, they get a prompt back
14 that says, "That a class of drugs. Can't you
15 be more specific? Look in the chart for a
16 name." So there is training and such to try
17 to help that, but ultimately we are depending
18 on the medical record.

19 CHAIR FARRAR: Thank you.

20 Dr. Anand, the last question.

21 DR. ANAND: I was struck both in
22 the national survey and in the TEDS database

1 by the percentage of caucasians who have shown
2 sort of increases in the use. And from the
3 1,500 percent increase in the TEDS database,
4 can you sort of break that down? Is that
5 because of the demographics of the state from
6 which the data is collected, or are there
7 other reasons for that?

8 MS. TRUNZO: I could look at it by
9 demographics for those states, but -- and then
10 compare that to, well, opioid analgesics as a
11 whole, the demographics for those from all
12 states combined and, you know, see how it
13 differed or was the same.

14 CHAIR FARRAR: I'd like to thank
15 the people from SAMHSA for coming and sharing
16 their data with us.

17 The next presentation is by Cathy
18 Dormitzer, Division of Epidemiology.

19 DR. DORMITZER: Hi. My name is
20 Cathy Dormitzer, and I'll be presenting a
21 brief summary of drug abuse rates in the
22 United States.

1 I'm going to be presenting a brief
2 background on why I'm presenting these
3 estimates, the methods used to calculate these
4 rates, the rates themselves, and some
5 conclusions that were drawn from these
6 estimates.

7 You listened to three
8 presentations. Dr. Ball presented data from
9 the Drug Abuse Warning Network, which was
10 DAWN, and she presented emergency room visits
11 on past year, non-medical use. Dr. Gfroerer
12 presented data from the National Survey on
13 Drug Use and Health, or NSDUH, which presented
14 non-medical use of pain relievers. And Dr.
15 Worthy presented information on drug
16 utilization, which are the estimates of the
17 number of retail prescriptions for the
18 different opioid analgesics.

19 I'm going to be presenting these
20 estimates per 10,000 retail prescriptions.
21 And this presentation is going to be
22 providing some information on the non-medical

1 use of opioid analgesics in the context of
2 drug utilization. In other words, are we
3 seeing high numbers because there is high drug
4 utilization? Are the low numbers the result
5 of low drug utilization? Or are some
6 analgesics more likely to be misused than
7 others?

8 As you can see, I have been using
9 rates in quotes, and that is because the
10 estimates really are not rates. The data sets
11 each have different sampling methodologies.
12 They are using different populations, and the
13 methods that we use to calculate the point
14 estimates and the respective confidence
15 intervals are somewhat different.

16 Furthermore, these data are in no
17 way linked. So a more appropriate name really
18 would be estimates adjusted for use. But
19 everyone is going to be calling them rates.

20 And as you can recall, Dr. Ball
21 presented estimates on emergency room visits
22 related to hydrocodone, oxycodone, and

1 fentanyl. And hydrocodone and oxycodone
2 looked very much the same, and fentanyl looked
3 significantly lower.

4 But we also saw a presentation
5 where we saw that hydrocodone had roughly
6 three times more prescriptions than oxycodone,
7 and oxycodone had probably seven times more
8 prescriptions than fentanyl.

9 So now I'm presenting estimates
10 using non-medical use emergency room visits
11 over the estimates of the number of retail
12 prescription. And each bar includes all
13 formulations, so the hydrocodone right over --
14 okay. Well, I can't do it. The middle, you
15 can see that hydrocodone is significantly
16 lower than for oxycodone and fentanyl, and
17 that's because the number of hydrocodone
18 prescriptions is so much larger than for
19 oxycodone.

20 And oxycodone includes immediate
21 release and extended release oxycodone. And
22 as you can see, that is somewhat lower than

1 for fentanyl.

2 Now, what we can see is that the
3 estimates of the number of emergency room
4 visits for extended release and immediate
5 release were very similar. But drug
6 utilization shows that immediate release has
7 much higher retail prescriptions than extended
8 release.

9 And now when we look at the number
10 of ED visits per 10,000 prescriptions, what
11 we're seeing is immediate release is much
12 lower than for extended release. Extended
13 release is roughly 37 versus somewhere around
14 nine for immediate release per 10,000
15 prescriptions.

16 Now I'm turning to NSDUH. Dr.
17 Gfroerer presented data on the number of past-
18 year initiates. In other words, they used for
19 the first time in the past year, the past year
20 users, and the past year users with
21 dependence. So now I'm putting numbers of
22 people over 10,000 prescriptions.

1 And as you can see, the number of
2 people that began to use OxyContin in the past
3 year was roughly 500. And past year with
4 dependence is, you know, between 350 and
5 almost 400.

6 Past year users includes the past
7 year initiates, it includes the past year with
8 -- past year users with dependence, and it
9 also includes past year users who are the
10 casual users. In other words, they have used
11 it but they are not exhibiting problems, and
12 that is roughly about 1,200 per 10,000
13 prescriptions.

14 Oops. I made a mistake. This is
15 the -- so as you can see, it is actually 1,900
16 per 10,000 prescriptions, so roughly 20
17 percent users per 10,000 prescriptions. And
18 it's roughly, you know, under 800 past year
19 initiates per 10,000 prescriptions, and it's
20 lower for past year users with dependence. So
21 these -- ignore what I have just said. This
22 is -- these are the real numbers.

1 So, in summary, what we are seeing
2 is that DAWN and NSDUH does provide
3 information on the public health burden of
4 non-medical use of opioids. And prescription
5 data can be used as a proxy for drug
6 availability. In other words, how much drug
7 is out there in the community.

8 And then, the rates of non-medical
9 use of oxycodone ER is much higher than for
10 immediate release.

11 And we can conclude that OxyContin
12 and their generics do have a higher rate or
13 ratio of non-medical use than comparator
14 drugs. And the numbers -- for the most part,
15 the rates are staying stable. And as we see
16 increasing use, you know, we see parallel
17 lines, that as utilization goes up so do the
18 numbers of emergency room visits or non-
19 medical use.

20 And so that concludes my
21 presentation. And we'll be taking questions
22 after lunch, right? Okay. Thank you.

1 CHAIR FARRAR: Next is Lieutenant
2 Commander Kristina Arnwine.

3 DR. ARNWINE: Good afternoon. My
4 name is Lieutenant Commander Kristina Arnwine,
5 and I am a team leader in the Division of
6 Medication Error Prevention in the Office of
7 Surveillance and Epidemiology.

8 This afternoon I am going to
9 provide you an overview of how the currently
10 marketed OxyContin tablets are reportedly
11 being manipulated. I will first describe how
12 we identified our reports, followed by a
13 discussion of how the reports were further
14 classified and evaluated for methods of
15 manipulation. Finally, I will end with a
16 summary of our findings.

17 Before going into the AERS review,
18 I would like to provide a brief background to
19 spontaneous adverse event reporting. It is a
20 voluntary system for consumers and health care
21 professionals to report adverse events. Under
22 the Code of Federal Regulations, sponsors of

1 an approved NDA product are required to report
2 adverse events. These reports are sent to the
3 agency through the FDA MedWatch program and
4 stored in the AERS database.

5 Spontaneous adverse event
6 reporting is useful, since it includes all
7 U.S.-marketed products. It is best if you
8 take events not seen in clinical trials, and
9 is a good tool for events with a rare
10 background rate and short latency.

11 However, there are some
12 limitations, such as extensive underreporting,
13 the quality of reports may be variable, there
14 may be reporting biases based on notoriety,
15 media attention a particular product is
16 receiving, or if it's a new drug.

17 The actual numerator and
18 denominator are not known, and so the
19 quantification of risk assessment is subject
20 to limitations. And the causality of a drug
21 event association is often in question.

22 With regard to OxyContin, we

1 searched the FDA adverse event reporting
2 system database to identify reports involving
3 the improper manipulation of OxyContin
4 tablets. The AERS database was searched using
5 medication error MEDRA terminology, and our
6 search was limited only to the brand name
7 OxyContin.

8 Our initial error search retrieved
9 a total of 7,300 reports. However, to narrow
10 this number, the narratives were searched
11 electronically using the terms crush, chew,
12 inhale, dissolve, inject, and snort.

13 As a result of the narrative
14 search, 380 reports were evaluated; 171 of
15 these reports were excluded from further
16 analysis because they did not involve the
17 manipulation of OxyContin. They either
18 described manipulation of a concomitant
19 medication or the search term described the
20 route of administration of a concomitant
21 medication.

22 Thus, 209 reports were further

1 evaluated to determine the method of improper
2 manipulation of OxyContin tablets.

3 We wanted to determine if a
4 particular strength of OxyContin was more
5 vulnerable to manipulation. More than one-
6 half of the total reports did not indicate a
7 product strength. However, the 10 milligram,
8 20 milligram, and 40 milligram strengths were
9 reported in 51 reports, 25 reports involve 80
10 milligram tablets, and five reports involved
11 either the 60 milligram or 160 milligram
12 tablets. And we know that the 60 milligram
13 and 160 milligram strengths are no longer
14 marketed.

15 Prescription dispensing data
16 indicates that the lower strengths are
17 dispensed more frequently compared to the 80
18 milligram strength, and the sponsor's
19 reformulated product will cover these lower
20 strengths.

21 When evaluating these reports from
22 a context of use perspective, we noted that 22

1 of the 209 reports involve medication errors
2 in which health care professionals manipulated
3 the OxyContin tablets for ease of
4 administration; for example, crushing for
5 administration through a gastric tube.

6 This occurred despite warnings
7 throughout the professional insert, including
8 a box warning and warnings on the container
9 label stating that OxyContin tablets are to be
10 swallowed whole and not chewed or crushed.

11 The remaining 187 reports involved
12 the manipulation of OxyContin tablets for the
13 purpose of abuse.

14 When we reviewed the narratives,
15 we wanted to -- when we reviewed the
16 narratives, we identified other methods of
17 manipulation terms associated with the use of
18 OxyContin in addition to the queried terms.
19 These terms are highlighted in yellow on the
20 screen.

21 However, we did not go back and
22 conduct a second search of the AERS database

1 using these terms. The methods presented here
2 describe both medication errors and abuse.
3 Not all reports indicated the method of
4 product manipulation, nor did they indicate
5 how the product was administered. However,
6 when classifying these reports, preference was
7 given to methods of preparation.

8 In reports where the method of
9 preparation could not be identified, those
10 reports were classified by method of
11 administration. We noted the most prevalent
12 method of preparation reported was crushing,
13 followed by chewing. And the most prevalent
14 manner of administration was injection,
15 followed by snorting.

16 In summary, it is apparent that
17 the manipulation of OxyContin tablets is most
18 commonly associated with abuse. However, we
19 note that manipulation is not completely
20 representative of all abuse of OxyContin.
21 Based on the reports evaluated, there does not
22 seem to be a discernible trend with regard to

1 what strengths of OxyContin are most closely
2 associated with manipulation.

3 The new formulation of OxyContin
4 is designed to deter abuse. However, it does
5 not prevent the most common methods of
6 manipulation reported to date.

7 This new formulation may make
8 tablets more difficult to manipulate, which
9 may lead to new and more creative methods of
10 product manipulation. We recommend
11 consideration be given to the consequences of
12 administration of manipulated tablets of the
13 new formulation, such as potential adverse
14 events resulting from dissolution of the
15 reformulated tablets in a solvent that has not
16 been tested by the sponsor, or, if there is a
17 potential for adverse events related to
18 injection of the reformulated tablets.

19 We also recommend the new
20 formulation be closely monitored for
21 effectiveness of the abuse deterrents through
22 post-marketing surveillance.

1 This concludes my presentation.

2 Thank you.

3 CHAIR FARRAR: Thank you very
4 much.

5 We will now break for lunch and
6 will reconvene in 45 minutes, here in this
7 room at 1:30 promptly for the open session.
8 Please take any personal belongings that you
9 may want at this time. The ballroom may be
10 closed for a few minutes to entry. It will be
11 secured by the FDA staff during the lunch
12 break.

13 Panel members, please remember
14 that there is to be no discussion of the topic
15 during lunch, amongst ourselves or with any
16 member of the audience.

17 See you at 1:30.

18 DR. WATKINS: And for those
19 Committee members, your lunch will be served
20 in Room 817. And anyone who has not yet paid,
21 please drop your payment off at the meeting
22 registration desk.

1 (Whereupon, at 12:46 p.m., the
2 proceedings in the foregoing
3 matter recessed for lunch.)
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1 A-F-T-E-R-N-O-O-N S-E-S-S-I-O-N

2 (1:35 p.m.)

3 CHAIR FARRAR: If we can get
4 started, please.

5 Both the Food and Drug
6 Administration and the public believe in a
7 transparent process for information-gathering
8 and decision-making. To ensure that
9 transparency at the open public hearing
10 sessions of the Advisory Committee meeting,
11 the FDA believes that it is important to
12 understand the context of an individual's
13 presentation.

14 For this reason, the FDA
15 encourages you, the open public hearing
16 speaker, at the beginning of your written or
17 oral statement to advise the Committee of any
18 financial relationships that you may have with
19 the sponsor, its products, and if known, its
20 direct competitors.

21 For example, any financial
22 information may include the sponsor's payment

1 of your travel, lodging, or other expenses in
2 connection with your attendance at this
3 meeting.

4 Likewise, FDA encourages you at
5 the beginning of your statement to advise the
6 Committee if you do not have any such
7 financial relationships. If you choose not to
8 address this issue of financial relationships
9 at the beginning of your statement, it will
10 not preclude you from speaking.

11 The FDA and its Committee place
12 great importance on the open public hearing
13 process. The insights and comments provided
14 can help the agency and its Committee in their
15 consideration of the issues before them. That
16 said, in many instances, and for many topics,
17 there will be a variety of opinions.

18 One of our goals today is for this
19 open public hearing to be conducted in a fair
20 and open way where every participant is
21 listened to carefully and treated with
22 dignity, courtesy, and respect. Therefore,

1 please speak only when recognized by the
2 Chair, and we thank you for your cooperation.

3 I'd like to comment that we had
4 some very late requests for additional time to
5 speak here today. And, unfortunately, given
6 the number of speakers we are not going to be
7 able to accommodate them today.

8 So let's move ahead.

9 DR. WATKINS: Our first speaker is
10 Micke Brown.

11 MS. BROWN: I never thought I was
12 that short.

13 Esteemed Committee members and
14 audience, my name is Micke Brown, and I am the
15 Director of Advocacy for the American Pain
16 Foundation and a pain management nurse. I
17 have no financial disclosures.

18 I am speaking on behalf of the
19 American Pain Foundation as well as the
20 multitude of persons who live with pain each
21 day. The American Pain Foundation represents
22 people just like us. They are parents,

1 children, siblings, co-workers, friends, and
2 loved ones. The difference is is that they
3 carry a burden every day, and that burden is
4 pain.

5 Pain does not discriminate. It
6 affects anyone, no matter the gender, the age,
7 the ethnic group, or the socioeconomical
8 status. It behooves me to call attention that
9 there is an epidemic of chronic pain in our
10 nation. Though pain affects more than 76
11 million Americans -- 76 million Americans,
12 please listen to that number -- it continues
13 to be untreated, undertreated, or
14 inappropriately treated in our nation.

15 This occurs in spite of the
16 knowledge base that without timely,
17 appropriate, tailored care, pain weakens the
18 immune system and allows for a slower recovery
19 for those who have disease or injury.
20 Persistent pain leads to needless suffering
21 and lost productivity. Chronic pain is not
22 only emotionally and physically debilitating

1 for patients; it places a tremendous burden on
2 families and caregivers.

3 The undertreatment of pain
4 contributes to excessive health care costs and
5 lost work productivity of approximately \$100
6 billion every year. The pain crisis will
7 become even more salient, given the rise in
8 life expectancy as well as the aging
9 babyboomer population.

10 The utility of opioid therapy as a
11 safe and effective strategy to relieve pain
12 and to improve functioning in appropriately
13 selected and monitored patients has been
14 demonstrated over the decades by pain experts.

15 This is highlighted in a landmark
16 document released by the American Pain
17 Foundation on this very day. An esteemed
18 roundtable of pain experts sounded a
19 collective and urgent call for a more balanced
20 perspective of benefits and risks of opioid
21 analgesics that include adopting methods to
22 reduce the likelihood that strong pain

1 medications will fall into unsafe hands.

2 In keeping with the concept of
3 balance, it must be acknowledged that there
4 are societal pressures that have polarized the
5 concerns about public safety against access to
6 medical care.

7 The dramatic rise of non-medical
8 uses of prescription drugs, which has
9 paralleled the increase in use of opioids for
10 legitimate medical use, have fueled fears and
11 for some blurred the lines between the law and
12 the practice of medicine, yet people with
13 severe, long-term pain need access to strong
14 medications, which will include the use of
15 opioids to help restore their physical
16 functioning and a quality of life.

17 At the present time, there are no
18 other chronic diseases where patients are
19 subjected to the level of scrutiny and
20 prejudice that pain patients must endure in
21 order to obtain their medications that they
22 require.

1 We must reduce the stigma around
2 these medications and ensure that patients
3 with a legitimate medical need have access to
4 opioid therapy as indicated by their health
5 care provider. As with any medication, there
6 are risks, but these risks can be managed.

7 The development and approval of
8 extended release opioid medications, which are
9 intended to be less easily adulterated than
10 the older formulations, is a welcome advance.
11 This technology has been called for and
12 forward by health care professionals,
13 patients, advocates, families, law
14 enforcement, and regulators, including the
15 FDA.

16 There are thousands, perhaps
17 millions, of people with moderate to severe
18 pain who could benefit from extend release
19 opioid medications. Many patients do not have
20 access to these medicines because far too many
21 health care providers fear that these
22 medicines might get into the wrong hands.

1 There is concern that those who will abuse
2 them by crushing them, or using other forms of
3 alteration, therefore, the providers are
4 hesitant to do what is needed.

5 There is also worry that has been
6 reported by patients over and over again that
7 they themselves are at risk for theft.
8 Formulations that deter or defeat adulteration
9 may help to reduce the fear of prescribing
10 these therapeutically valuable analgesic
11 medications.

12 New formulas should help improve
13 access for those of greatest need, while
14 lessening the likelihood that they will
15 continue to be targets by those who would
16 choose to misuse or abuse.

17 As an organization dedicated to
18 improving the quality of life of people
19 affected by pain, we at the American Pain
20 Foundation believe that advances towards
21 abuse-resistant and tolerance-resistant
22 formulations of opioid medications would be a