

1 HEROIN AND PRESCRIPTION DRUG ABUSE

2 WEDNESDAY, MAY 14, 2014

3 U.S. Senate,

4 Caucus on International Narcotics Control,

5 Washington, DC.

6 The hearing was convened, pursuant to notice, at
7 2:28 p.m., in room 192, Dirksen Senate Office Building,
8 Hon. Dianne Feinstein (co-chairman of the caucus)
9 presiding.

10 Also present: Senators Whitehouse, Udall, Grassley,
11 and Risch.

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1 OPENING STATEMENT OF HON. DIANNE FEINSTEIN, A U.S.
2 SENATOR FROM CALIFORNIA, CO-CHAIRMAN, CAUCUS ON
3 INTERNATIONAL NARCOTICS CONTROL

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5 Co-Chairman Feinstein. Our hearing will come to
6 order.

7 I'd like to welcome our distinguished witnesses and
8 they will be introduced shortly.

9 Recently, the media has chronicled a resurgence of
10 heroin abuse in the United States, and actually more
11 heroin being moved into the country. According to a 2012
12 national survey, 666,000 Americans reported using heroin
13 during the previous year. That number has steadily grown
14 over the past several years.

15 So this begs the question: why are more people using
16 heroin? This is the Senate Caucus on International Drug
17 Control, but the reason to control it is to keep it out
18 of our country and to do those things which prevent
19 opiate use, not to enable it.

20 But one answer, according to the experts, may be the
21 country's addiction and use of prescription pain
22 medications, and here is why: a report released by the
23 Substance Abuse and Mental Health Services Administration
24 indicates that individuals who use prescription pain
25 relievers for non-medical purposes were 19 times more

1 likely to use heroin in the past year than those who had
2 not. That is an amazing thing to me.

3 Furthermore, 4 out of every 5 heroin abusers had
4 abused prescription pain relievers in the past. So pain
5 relievers like Oxycodone and Hydrocodone affect the
6 central nervous system in much the same way as heroin, so
7 the lesson here is that rather than thinking of two
8 separate addictions, prescription pain medications and
9 heroin, we should realize that we are facing a much
10 larger opiate addiction epidemic that includes both.

11 So the strategy to battle these drugs should have
12 three parts: preventing drug abuse, treating addicts, and
13 reducing the number of overdoses. But the first and most
14 important strategy is to prevent drug abuse before it
15 starts, and this means educating communities and youth
16 about the dangers.

17 Now, some communities already do this through the
18 Federal Drug-Free Communities program. In California,
19 there is a program call Placer Youth. That program has
20 contributed to a 50 percent reduction in prescription
21 drug use among 11th graders between 2011 and 2013. So,
22 these programs, I believe, can work.

23 It also means, though, recognizing that all
24 stakeholders share a responsibility that prescription
25 opioids are prescribed and dispensed only--only--for

1 legitimate medical purposes. State-based prescription
2 drug monitoring programs, along with mandatory checks of
3 electronic databases, can help doctors and pharmacists
4 identify drug abusers.

5 Since requiring mandatory checks, New York has seen
6 a 75 percent decrease in doctor shopping and significant
7 reductions in pain reliever prescriptions. So drug take-
8 back programs can also help reduce opioid abuse because
9 they get unused prescription pain medicines out of
10 families' medicine cabinets where too many young adults
11 first obtain these drugs.

12 So heroin entering the United States from other
13 countries also must be addressed. The DEA's Heroin
14 Signature Program, in 2012, determined that 90 percent of
15 wholesale heroin seizures were able to be traced from
16 Mexico or South America.

17 DEA also reports that the Mexican based Sinaloa drug
18 cartel is expanding its market eastward and producing and
19 selling heroin that is more pure, in other words, going
20 from the brown to the white heroin. Between 2008 and
21 2013, heroin seizures along the southwest border
22 increased nearly four-fold, from 559 kilograms to 2,196.

23 The second key strategy in this fight is successful
24 treatment, which often includes medication-assisted
25 therapies using drugs like methadone and--I am going to

1 have trouble with this one--buprenorphine.

2 Unfortunately, in 2012, 2.5 million people in our
3 country were addicted to these opioids, while only
4 351,000 received these methadone or buprenorphine to
5 treat their addiction, so that means that the rest are
6 not receiving treatment.

7 Finally, the third strategy is to address overdose
8 deaths. In 2010, the latest year for which data is
9 available, the Centers for Disease Control and Prevention
10 reported more than 19,500 unintentional opioid overdose
11 deaths. Now, there are steps that can be taken. There
12 are drugs that immediately reverse these overdoses, and
13 18 States, including California, have taken actions to
14 improve access to these drugs.

15 So I think we need to find a way to make these drugs
16 more readily available to properly trained individuals,
17 including first responders. So I think we have an
18 interesting hearing. I do want to point out, if you look
19 over at those charts, you see the rate of opioid sales,
20 overdose deaths, and treatment between 1999 and 2010.

21 In this--here is the chart--the green is treatment
22 admissions, the red are deaths, and the blue are sales.
23 As you can see, they are all going up in this country.
24 So I think that is a good chart that really discusses
25 what we are about.

1 The other quick point is that heroin abuse increases
2 as access to prescription painkillers decrease. Now,
3 that is a brand-new thing for me and that is what this
4 other chart shows. So I would hope that some of you, in
5 your testimony, would remark on this.

6 Now, I would like to recognize the distinguished
7 Vice Chairman.

8 Senator Grassley. Can I defer to the Leader?

9 Co-Chairman Feinstein. You certainly can.

10 Senator Grassley. I would like to defer to Senator
11 McConnell and thank him for his interest in this issue,
12 and then --

13 Co-Chairman Feinstein. And I thank you as well,
14 sir. Thank you.

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2 STATEMENT OF HON. MITCH McCONNELL, A U.S. SENATOR FROM
3 KENTUCKY

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5 Senator McConnell. Well, thank you, Senator
6 Feinstein and Senator Grassley, for the opportunity to be
7 here today to testify on the scourge of heroin abuse that
8 is devastating, as Senator Feinstein indicated, too many
9 families in communities across America, and in
10 particular--in particular--in my home State of Kentucky.

11 Thank you for your willingness to focus on this growing
12 threat.

13 I'd like to share with you the story of a wonderful,
14 vibrant community that I have the pleasure of
15 representing here in the U.S. Senate. It could be many
16 places in America, but it happens to be in northern
17 Kentucky. The northern Kentucky area of suburban
18 Cincinnati is the center of cultural arts and American
19 history. It is home to the Cincinnati Northern Kentucky
20 International Airport and the gateway to the Bluegrass
21 State from the north.

22 Residents of the three counties up there--Kenton,
23 Boone, and Campbell--the area we refer to as northern
24 Kentucky, live in a time of great opportunity. They have
25 the benefit of living in a major metropolitan area of

1 more than 2 million people, with all the livability and
2 charm of a small town.

3 They can take advantage of the cultural amenities
4 like the Cincinnati Zoo and Botanical Gardens, Newport on
5 the Levee, Newport Aquarium, and Kentucky Speedway, to
6 name a few, or they can take in a Cincinnati Reds game or
7 a Cincinnati Bengals NFL game, or the Cincinnati Art
8 Museum, and over 25,000 acres of parkland give free reign
9 to relaxation and recreation on a temperate day.

10 Northern Kentucky offers all of that, and yet this
11 proud community is also saddled with the terrible
12 distinction of being the very epicenter--the very
13 epicenter--of heroin addiction in Kentucky and in the
14 Nation. Many believe that the problem started because of
15 prescription pain pill abuse, as Senator Feinstein was
16 pointing out. Kentucky has the third highest drug
17 overdose mortality rate in our country.

18 On the street, these pain pills are expensive--they
19 can cost between \$60 and \$100--compared to a bag of
20 heroin at just \$10 a bag. So given the progress we have
21 made in Kentucky in fighting the illegal sale and use of
22 prescription narcotics, it is no surprise that we have
23 seen an uptick, as Senator Feinstein was just pointing
24 out, in heroin usage once we understand the economics of
25 it.

1 A few months ago I discussed the relationship
2 between the prescription painkiller abuse and growing
3 heroin threat with layers of Federal agencies responsible
4 for curbing these threats, and I am going to continue to
5 work with them as we all work together to fight this
6 epidemic.

7 I want to highlight for the Drug Caucus some hard
8 but true facts about the extent of heroin abuse in
9 northern Kentucky, and I would like to credit the
10 northern Kentucky Chamber of Commerce for the data. The
11 fact that these numbers come from a Chamber of Commerce
12 and not a law enforcement or public health agency
13 demonstrates how pervasive--how pervasive--the threat to
14 the community is.

15 These are the facts: in 2012, there were 61 heroin
16 overdose deaths in the three counties referred to as
17 northern Kentucky. In fact, the number of overdose cases
18 at the region's largest hospital increased by more than
19 75 percent--75 percent--in 2012, while the number of
20 heroin overdose cases by just August of 2013 had already
21 doubled the number in all of 2012.

22 Rates of acute hepatitis C infections in northern
23 Kentucky are double--double--the State-wide rate and 24
24 times the national rate. Twenty-four times the national
25 rate! Public health officials attribute the region's

1 high infection rate to the region's high level of heroin
2 use. What is more, the northern Kentucky Health
3 Department has reported that for every one death there is
4 one new case of hepatitis C that incurs a lifetime cost
5 of \$64,500.

6 The smallest among us are not spared from the
7 scourge. Sadly, newborn babies are born with drug
8 withdrawal syndrome. Each case is heartbreaking and is
9 not only costly in human terms, but fiscally as well,
10 incurring an average hospital cost of \$14,257.

11 Law enforcement is on the front lines of this battle
12 to protect Kentucky families. According to the Northern
13 Kentucky Drug Strike Force, the number of court cases for
14 heroin possession and trafficking has increased by 500
15 percent from 2008 to 2012 in the three counties that I
16 mentioned, and is expected to double again in 2013.

17 To put this in perspective, the three counties of
18 northern Kentucky contain 60 percent of my State's heroin
19 prosecutions in 2011, even though they are home to less
20 than 10 percent of the State's population.

21 Let me add here that it is fitting you are holding
22 this hearing during National Police Week, when thousands
23 of police officers from across the country visit the
24 Nation's capitol. We owe these officers our profound
25 thanks and gratitude for risking their lives to combat

1 the drug problem and the many ancillary violent and
2 property crimes driven by the growing trend.

3 Clearly, the troubling facts I have just related
4 show northern Kentucky has a serious, serious heroin
5 abuse problem. It is a major problem not for a few, but
6 for the entire region. While northern Kentucky may be
7 ground zero in my State, the problem of heroin abuse is
8 spreading like a cancer across the Bluegrass State where
9 we are losing close to 100 fellow Kentuckians a month--a
10 month--to drug-related deaths. We only have 4 million
11 people in our whole State. This is more lives lost than
12 to fatal car crashes.

13 This March, I held a 90-minute listening session in
14 that area of our State to hear from those closest to the
15 problem how Federal resources could best be devoted to
16 fixing it. As I said, in Boone County, one of the three
17 counties I referred to, there are great heroes in this
18 tragic story, such as the medical professionals who save
19 lives, the business leaders who raise money for
20 prevention and awareness efforts, the prosecutors, and
21 dedicated investigators who take drugs off the streets,
22 and the recovered addicts themselves who find the courage
23 to live despite their addiction.

24 I heard from informed Kentuckians in the medical,
25 public health, and law enforcement fields and the

1 business community, and in particular I want to point out
2 one brave young man, Patrick Kenyon, who had been
3 ensnared by heroin and saw his friends use it and
4 overdose.

5 It took repeated attempts for him to break his
6 addiction, but he said proudly in the listening session
7 he was 4 years and 10 months clean. I can't stress
8 enough how helpful it was to hear about this issue from
9 so many thoughtful perspectives, and that is why I am
10 pleased you are holding this hearing today.

11 Let me just report briefly three take-aways from the
12 listening session I held several months ago. First, as
13 noted, it is clear that the increase in heroin addiction
14 is tied to our fight against prescription drug abuse,
15 which is largely driven by the abuse of prescription
16 painkillers.

17 Second, while Kentucky is making progress with
18 greater education and more aggressive prosecutions and
19 enhanced regulatory authority at the State level, we need
20 a combination of both treatment and incarceration to be
21 part of the solution.

22 Lastly, the heroin trade is no respecter of borders,
23 which is why multi-jurisdictional and multi-agency law
24 enforcement efforts, such as in my State the Appalachian
25 High-Intensity Drug Trafficking Area, or HIDTA, are so

1 crucial. In this area of finite Federal resources we
2 must use these inter-agency partnerships to the best
3 extent to maximize our return from Federal dollars we
4 spent to combat the epidemic.

5 My friend Frank Rapier, the executive director of
6 Appalachian HIDTA, never fails to remind his law
7 enforcement partners that there is no limit to what we
8 can accomplish when no one cares who gets the credit.
9 The very same credo must also guide our efforts at the
10 Federal level.

11 So, Senator Feinstein and Senator Grassley, let me
12 return to the picture I painted of a northern Kentucky
13 ripe with promise, and yet beset--beset--by heroin abuse.

14 Thankfully, the ending to the story has yet to be
15 written. That is why I am here today, to share with you
16 the gravity of the heroin threat to my constituents and
17 to pledge to work with all the stakeholders to save lives
18 in Kentucky from this terrible, growing threat.

19 With the efficient leveraging of Federal resources
20 and authorities using best practices learned from both
21 the law enforcement and correction agencies, as well as
22 the medical and public health communities, we can and
23 will eliminate the shadow of this terrible heroin
24 epidemic from healthy and robust communities all across
25 America like northern Kentucky.

1 Thank you very much, Senator Feinstein.

2 Co-Chairman Feinstein. Thank you very much,
3 Senator McConnell.

4 Senator Grassley, you haven't made your statement,
5 and then Senator Klobuchar would also like to make an
6 opening statement.

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12 OPENING STATEMENT OF HON. CHARLES E. GRASSLEY, A U.S.

13 SENATOR FROM IOWA

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15 Senator Grassley. I think since you described the
16 situation very well I am going to start out at the middle
17 of my statement and refer to something that you and I
18 learned about, the existence of a database by doctors
19 maintained by Purdue Pharmaceuticals.

20 Purdue markets Oxycontin, one of the most abused
21 prescription opiates. The database allegedly contained
22 information about doctors who engaged in reckless
23 prescribing practices. Your and my investigation
24 revealed that many State Medical Boards, as well as the
25 Centers for Medicare and Medicaid Services, did not know

1 about this database. We encourage these organizations,
2 as well as DEA, to contact Purdue about it.

3 As a result, the information is now in the hands of
4 authorities who can take action against irresponsible
5 doctors. The purpose of this hearing is to learn more
6 about what else is being done to combat this epidemic and
7 what role Congress can make. A multi-faceted approach
8 makes common sense. Prevention efforts, through which
9 doctors and the public are educated about the dangers of
10 opioids and other addictive drugs should be a part of
11 that solution.

12 This is why the mixed signals the Obama
13 administration sends to young people about marijuana use
14 are all so damaging. Young people, and all those looking
15 to climb up the ladder of opportunity in America, do not
16 need another pathway to addiction. But that is what -- I
17 think what the President said provides -- by failing to
18 enforce Federal laws and dismiss marijuana use as just
19 another bad habit.

20 Treatment for those who have become addicted is also
21 a part of the solution as well. A drug called Naloxone
22 has shown effectiveness in countering the effects of
23 heroin overdoses, and finally law enforcement will have a
24 critical role to play. Of course we cannot arrest our
25 way out of this crisis, but we can, and must, maintain

1 the current law enforcement tools to go after those who
2 are trafficking heroin into our Nation and our
3 communities.

4 Unfortunately, sentencing reform bills that are now
5 before Congress do just the opposite. The proposed
6 Smarter Sentencing Act that recently passed out of
7 Judiciary cuts the mandatory minimum sentences for those
8 who manufacture, import, and distribute heroin and do
9 that by cutting them in half. These are penalties for
10 dealers, not for users. In the midst of an epidemic, in
11 my opinion, this makes no sense.

12 Federal prosecutors themselves wrote that the
13 current system of penalties is the cornerstone of their
14 ability to "infiltrate and dismantle large-scale drug
15 trafficking organizations and to make violent, armed
16 career criminals -- to get them off the street". I don't
17 want to remove this cornerstone, least of all at this
18 particular time.

19 Thanks to the witnesses for being here. I am going
20 to put my entire statement in the record in place of what
21 I just said.

22 Co-Chairman Feinstein. Please do. Thank you very
23 much, Senator Grassley.

24 [The prepared statement of Senator Grassley appears
25 in the appendix.]

1 Co-Chairman Feinstein. Senator Klobuchar?

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16 STATEMENT OF HON. AMY KLOBUCHAR, U.S. SENATOR FROM

17 MINNESOTA

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19 Senator Klobuchar. Well, thank you very much.

20 First, I'd like to thank you, Senator Feinstein and also

21 Senator Grassley, for holding this important hearing and

22 for inviting me to participate. Just yesterday afternoon

23 I was with President Clinton at Johns Hopkins, where the

24 Clinton Health Matters Initiative held a very important

25 forum on this very topic with the focus on prescription

1 drug addiction and some discussion about heroin.

2 I was on a panel with Commissioner Hamburg and
3 Representative Patrick Kennedy that followed President
4 Clinton's speech and he is really taking this issue on,
5 which I thought was a positive. He has a lot of energy,
6 as you know.

7 I would say I'd start with prescription drugs
8 because when I look at the facts on heroin, the fact that
9 while the vast majority of prescription drug users do not
10 start to use heroin, something like 97 percent of them,
11 in fact 4 out of 5 heroin users today started with
12 prescription drugs.

13 So I start with the demand issue with the
14 prescription drugs and how we get to that. I would say
15 first of all we have to do everything we can to reduce
16 the supply. This means, to me, the drug take-back
17 programs and getting them out of the hands of kids when
18 it's the number-two thing that they're addicted to.

19 Senator Cornyn and I passed a bill back in 2010--it
20 seems like quite a while ago but we are still waiting on
21 the rules--that makes it easier and sets out some clear
22 standards for how these drugs can be transported when
23 they are put into take-back programs.

24 We did that because there are certain police
25 departments and long-term care facilities that still are

1 not doing these programs and they're concerned about
2 liability. What the bill does, it makes it easier for
3 pharmacies, which would be excellent if they voluntarily
4 did this.

5 I have done some events with pharmacies. If you can
6 imagine people bringing back their prescription drugs,
7 getting them out of their medicine cabinets, bringing
8 them back voluntarily and doing it long-term care, you
9 name it. So that is one thing.

10 If you think it is a small thing, how many tons do
11 you think were collected just last April in one day in
12 the United States of America of prescription drugs?
13 Maybe you are thinking 10 tons, 20? Three hundred ninety
14 tons of prescription drugs were collected on a day in
15 April just this last month, so that is what we are
16 dealing with when we talk about the problem.

17 Second, is drug courts. The more we can cut down
18 the demand by getting people involved in drug courts, and
19 we are working on more funding for that because 3 out of
20 4 of the graduates never get in trouble again with the
21 law.

22 Then the last thing I'd say on the supply side would
23 be prescription drug monitoring. It's a patchwork system
24 where the head of Hazelden in Minnesota isn't able to
25 tell doctors when someone comes in who he knows is doctor

1 hopping to get to different prescriptions of Oxycontin.

2 It's patchwork, it's not mandatory, it's not
3 interoperable, it won't go across State lines, there are
4 funding issues as well. So, I think that would be a big
5 thing.

6 So then we get to the heroin. We have had a huge
7 increase in heroin overdoses in Minnesota in the first
8 half of 2013. Ninety-one people died in just Hennapin
9 and Ramsey Counties in the Twin Cities area. Why? Well,
10 as we have probably heard, the heroin is more pure, it's
11 coming up on the 35W corridor, mostly out of Mexico.

12 Fifty percent of the heroin in the U.S. is grown in
13 Mexico, now 60 percent is transported through Mexico.
14 Because of that and other reasons, including sex
15 trafficking, I led a trip down to Mexico last month with
16 Senator Heitkamp and Cindy McCain, the wife of Senator
17 John McCain, and we focused on two issues: sex
18 trafficking and heroin.

19 We met with the head of the Federal police in
20 Mexico, we met with the attorney general. Coming out of
21 those meetings I came back with this. I think the
22 Mexican authorities are more devoted than ever to do
23 something about the violence and drugs in their country.

24 They want to be part of this new economy in North
25 America. They see getting rid of the drug problem and

1 the violence as they key to that.

2 They have gone after El Chapo, the head of their
3 long-time powerful Sinaloa drug cartel, but there is much
4 more work to be done. This includes eradication of the
5 new poppy fields that are pure-white heroin, different
6 than the black tar they used to be using in Mexico.

7 It includes strengthening their southern border
8 where the heroin is coming up from countries south, not
9 just our border but also the southern border. The third
10 thing would just be continuing coordination with U.S. law
11 enforcement and the work that we have to do on the demand
12 side back here.

13 So I am very excited you are doing this hearing. I
14 have heard the other Senators talk about a major problem,
15 but I think we have to be really smart in looking at what
16 the answers are and I'm looking forward to hearing from
17 our witnesses. Thank you.

18 Co-Chairman Feinstein. Thank you very much,
19 Senator Klobuchar.

20 Let me introduce our witnesses today. We would ask
21 each one of you to confine your remarks to five minutes.

22 If they're in writing, we'd like to have them for the
23 record so that we can have a robust discussion.

24 Let me begin with the Acting Director of the Office
25 of National Drug Control Policy, Michael Botticelli. He

1 has been here before and we welcome him back. Director
2 Botticelli has more than two decades of experience
3 supporting Americans who have been affected by substance
4 use disorders. Prior to joining ONDCP, he served as
5 director of the Bureau of Substance Services at the
6 Massachusetts Department of Public Health.

7 Next, we welcome Dr. Nora Volkow back to the caucus.
8 She is the Director of the National Institute on Drug
9 Abuse which, coincidentally, was founded 40 years ago
10 today, so let me be the first to wish the Institute a
11 happy birthday!

12 Dr. Volkow's work has been instrumental in
13 demonstrating that drug addiction is a disease of the
14 human brain. Among her many accomplishments she
15 pioneered the use of brain imaging to investigate the
16 toxic effects and addictive properties for drugs that are
17 abused.

18 Next, we are pleased to have Dr. Westley Clark. He
19 is the Director for Substance Abuse Treatment within the
20 Substance Abuse Mental Health Services Administration.
21 As Director, Dr. Clark leads the agency's nationwide
22 effort to provide effective and accessible treatment for
23 addiction disorders. He is a noted author and educator
24 in the field of substance abuse treatment and has
25 received many awards for his service.

1 Next, we have Joseph Rannazzisi. We are pleased to
2 welcome you, sir, back to the caucus. You are the Deputy
3 Assistant Administrator of the Office of Diversion
4 Control at the DEA. As Deputy Assistant Administrator,
5 Mr. Rannazzisi is responsible for assuring that the more
6 than 1.5 million DEA registrants comply with the
7 Controlled Substances Act and its implementing
8 regulations. He was named as Deputy Assistant
9 Administrator in January of 2006 and has served with the
10 DEA for some 25 years now.

11 Last but certainly not least, we are pleased to have
12 Dr. Andrew Kolodny. Dr. Kolodny is the chief medical
13 officer of Phoenix House, one of our Nation's leading
14 nonprofit drug rehab organizations. He's an expert on
15 our Nation's opioid addiction epidemic and he is a
16 practicing psychiatrist in the field. He has helped
17 develop and implement multiple effective substance abuse
18 treatment programs in New York and is a past recipient of
19 the Daniel X. Freedman Congressional Health Policy Award.

20 So we welcome you all. Perhaps we would begin with
21 Mr. Botticelli and we will just go right down the line,
22 hopefully with five-minute statements so that we can then
23 have some time for questions.

24 Please proceed.

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1 STATEMENT OF MICHAEL BOTTICELLI, ACTING DIRECTOR OF THE
2 OFFICE OF NATIONAL DRUG CONTROL POLICY

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4 Mr. Botticelli. Chairman Feinstein, co-Chairman
5 Grassley, Senator Klobuchar, thank you for the
6 opportunity to appear today to discuss what is perhaps
7 the most important public health issue facing the United
8 States, namely the abuse of opioid drugs, including
9 prescription painkillers and heroin.

10 I know that given recent media attention to overdose
11 deaths, there is a heightened public interest in the
12 threat of opioid drug use. While this might be a new
13 phenomenon for many of our communities, some have been
14 dealing with this issue for a very long time and it is a
15 matter of great concern for this administration.

16 As we discussed, according to the Centers for
17 Disease Control and Prevention, drug overdose deaths,
18 primarily driven by prescription opioids, now surpass
19 homicides and traffic crashes in the number of injury
20 deaths in America.

21 In 2010, the latest year for which we have
22 nationwide data, approximately 100 Americans died on
23 average from overdose every single day. Prescription
24 analgesics were involved in almost 17,000 deaths that
25 year, and heroin was involved in another 3,000. More

1 recent data posted by several States indicated that
2 deaths from heroin continue to increase.

3 While heroin use remains relatively low in the
4 United States as compared to other drugs, there has been
5 a troubling increase in the number of people using heroin
6 in recent years from 373,000 past-year users in 2007 to
7 669,000 in 2012.

8 It is clear that we cannot arrest our way out of the
9 drug problem. Science has shown us that drug addiction
10 is a disease of the brain, a disease that can be
11 prevented, treated, and from which one can recover. We
12 know that substance use disorders, including those driven
13 by opioids, are a progressive disease. It is important
14 to consider and understand that many people who develop a
15 substance abuse disorder begin using at a very young age
16 and often start with alcohol and tobacco.

17 We know that as an individual's abuse of
18 prescription opioids becomes more frequent or chronic,
19 that person is more inclined to purchase these drugs from
20 dealers or obtain prescriptions from multiple doctors
21 rather than simply getting them from friends and family
22 for free or without asking.

23 Left untreated, this progression of an opioid use
24 disorder may lead an individual to pursue lower cost and
25 more potent alternatives, particularly heroin. With

1 these circumstances in mind we released the Obama
2 administration's inaugural drug control strategy in 2010
3 in which we set out a wide array of actions to expand
4 public health interventions and criminal justice reforms
5 to reduce drug use and its consequences. That strategy
6 noted opioid overdoses as a growing national crisis and
7 set specific goals for reducing drug use, including
8 heroin.

9 Three years ago, the administration released the
10 first comprehensive action plan to combat the
11 prescription drug use epidemic. The prescription drug
12 abuse prevention plan strikes a balance between the need
13 to prevent diversion and abuse and the need to ensure
14 legitimate access to prescription pain medication.

15 The plan expands on the national drug control
16 strategy and brings together a variety of Federal, State,
17 local, and tribal partners to support: 1) the expansion
18 of State-based prescription drug monitoring programs; 2)
19 more convenient and environmentally responsible disposal
20 methods to remove expired or unneeded medication from the
21 home; 3) educating patients about opioid drugs and
22 instructing health care providers in proper prescribing
23 practices and treatment of substance use disorders; and
24 4) reducing the prevalence of pill mills and doctor
25 shopping through enforcement efforts. This work has been

1 paralleled by efforts to address heroin trafficking and
2 heroin use.

3 The administration is also focusing on several key
4 areas to reduce and prevent opioid overdoses, including
5 educating the public about overdose risks and
6 interventions and increasing access to Naloxone, an
7 emergency overdose reversal medication.

8 Because police are often the first on the scene of
9 an overdose, the administration has strongly encouraged
10 local law enforcement agencies to train and equip their
11 personnel with this lifesaving drug. Twenty-two States
12 plus the District of Columbia have implemented a law or
13 developed a pilot program to allow the administration of
14 this medication by a professional or lay person to
15 reverse the effects of an opiate-related overdose.

16 We are also working with States to promote good
17 Samaritan laws so that bystanders to an overdose will
18 take appropriate action and help save lives. We are
19 heartened that 17 States, plus the District of Columbia,
20 have now adopted Good Samaritan laws.

21 While it is critical for us to save lives, we also
22 need a comprehensive response to prevent overdose deaths.

23 A smart public health approach requires us to catch the
24 signs and symptoms of substance use earlier before it
25 develops into a chronic disorder. We have been

1 encouraging the use of screening and brief intervention
2 to catch risky substance use before it becomes an
3 addiction.

4 And since only 11 percent of those who needed
5 substance use disorder treatment in 2010 actually
6 received it, the administration is dramatically expanding
7 access to treatment. The Affordable Care Act and Federal
8 parity law are extending access to substance use
9 disorders and mental health benefits for an estimated 62
10 million Americans, helping to close the treatment cap and
11 integrate substance use treatment into mainstream health
12 care. This represents the largest expansion of treatment
13 access in a generation and will help guide millions of
14 Americans into successful recovery.

15 The standard of care for treating substance use
16 disorders driven by heroin or prescription opioids
17 involves the use of medication-assisted treatment, an
18 approach to treating opioid addiction that utilizes
19 behavioral therapy along with FDA-approved medications,
20 either methadone, buprenorphine, or Naltrexone.

21 Medication-assisted treatment already has helped
22 thousands of people in long-term recovery. A prime goal
23 of our office is to increase access to medication-
24 assisted treatment within existing treatment programs and
25 through integration with primary care.

1 There are some signs that these national efforts are
2 working. The number of Americans 12 and older initiating
3 the non-medical use of prescription opioids in the past
4 year has decreased significantly since 2009.

5 Additionally, according to the latest Monitoring the
6 Future survey, in 2013 the rate of past-year use of
7 Oxycontin and Vicodin among high school seniors was at
8 its lowest since 2002.

9 Recent studies have shown that the implementation of
10 robust Naloxone distribution programs and the expansion
11 of medication-assisted treatment programs can reduce
12 overdose deaths and also be cost-effective.

13 Nonetheless, continuing challenges with prescription
14 opioids and the reemergence of heroin use underscore the
15 need for leadership at all levels of government. We
16 will, therefore, continue to work with our Federal,
17 State, tribal, and community partners to continue to
18 reduce and prevent the health and safety consequences of
19 prescription opioids and heroin.

20 Thank you.

21 Co-Chairman Feinstein. Thank you.

22 [The prepared statement of Mr. Botticelli appears in
23 the appendix.]

24 Co-Chairman Feinstein. Could you just tell me, you
25 said that heroin use has doubled. That is in the last

1 five years?

2 Mr. Botticelli. I believe that was 2007, so this
3 is --

4 Co-Chairman Feinstein. Five years, or a little
5 more.

6 Mr. Botticelli. This is information from the most
7 recent National Survey on Drug Use and Health and it
8 looked at people who used heroin in the past year. That
9 went from 373,000 past-year users in 2007 to 669,000 in
10 2012.

11 Co-Chairman Feinstein. That's very striking. Five
12 years?

13 Mr. Botticelli. Five years.

14 Co-Chairman Feinstein. A very striking figure.
15 Thank you.

16 Dr. Volkow, please.

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9 STATEMENT OF NORA VOLKOW, DIRECTOR OF THE NATIONAL
10 INSTITUTE ON DRUG ABUSE

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12 Dr. Volkow. Good afternoon. Senator Feinstein and
13 Senator Grassley, I want to thank you for the opportunity
14 and inviting me to speak about what NIDA is doing in
15 order to address the problem of prescription opioid abuse
16 in our country.

17 Opiate medications are the most effective
18 interventions we currently have for managing acute severe
19 pain. Unfortunately, these drugs not only inhibit pain
20 centers, but they also activate brain reward regions
21 which is why they are abused and why they are so
22 addictive.

23 So we face the unique challenge of preventing their
24 abuse while safeguarding their value for managing severe
25 pain, which, if untreated, is terribly debilitating. It

1 is estimated that 2.1 million Americans are addicted to
2 opioid painkillers, which reflects in part the widespread
3 availability of these drugs.

4 Indeed, the number of yearly prescriptions for
5 opioids more than doubled over the past 20 years from 76
6 million to 207 million prescriptions a year, while at the
7 same time in parallel there was a four-fold increase in
8 overdose deaths from these medications during that time
9 period.

10 Painkillers like Oxycontin and Vicodin affect the
11 brain similarly to heroin. They can cause euphoria,
12 which some abusers intensify by taking higher doses,
13 snorting or injecting them, or combining them with
14 alcohol or benzodiazepines, which makes them much more
15 addictive and also much more dangerous because it
16 increases the risk of respiratory depression, which is
17 the main cause of death from opioid overdoses.

18 Recent trends also indicate a significant rise in
19 heroin abuse in our country which currently affects more
20 than half a million Americans and is driven in part,
21 although basically predominantly the new cases, by
22 individuals switching from prescription opioids to heroin
23 because it is cheaper and easier to access.

24 So what is NIDA doing about the problem? It relates
25 to three things: safe management and better management of

1 pain; prevention of overdose deaths; and the treatment of
2 opioid addiction. How do we treat pain better and how do
3 we protect those that are suffering from becoming
4 addicted and dying of overdoses?

5 We do not know enough about the risk of addiction
6 among people that have chronic pain, so there is basic
7 research in that area. But in parallel, we are
8 developing medications to treat pain effectively that are
9 not addictive, at the same time while funding research to
10 develop ways of administering opioids that minimize their
11 diversion and abuse. Finally, we are funding research
12 for non-medication strategies to help manage pain, such
13 as transcranial magnetic or electrical brain stimulation.

14 What about preventing overdoses? We have a very
15 effective medication that is actually quite safe,
16 Naloxone, that prevents deaths from overdoses. Recently,
17 the FDA approved a self-injecting Naloxone that will
18 facilitate its administration by non-medical personnel.
19 NIDA is funding other user-friendly ways of administering
20 Naloxone so that the patients themselves can use it.

21 Also, since many of the overdoses occur when no one
22 is around or the patient is asleep, NIDA is supporting
23 the development of self-activated systems that initiate
24 an emergency response when wireless sensors seek out that
25 an overdose is occurring.

1 Finally, research related to the treatment of opioid
2 addiction. Medication assisted therapies--methadone,
3 buprenorphine, Naltrexone--are all effective and they are
4 effective in decreasing overdoses, but these medications
5 are used in less than one-third of patients who need
6 them. NIDA is working to overcome the barriers that
7 interfere with the adoption, and in parallel while doing
8 research for alternative treatments such as vaccines
9 against heroin addiction.

10 Additionally, NIDA works closely with its partners,
11 CDC, SAMHSA, ONDCP, DEA, and ONC, in implementing and
12 evaluating evidence-based interventions towards
13 prevention and treatment of this problem.

14 I want to thank you again for organizing this
15 meeting and for inviting us to participate.

16 Co-Chairman Feinstein. Thank you very much,
17 Doctor.

18 [The prepared statement of Dr. Volkow appears in the
19 appendix.]

20 Co-Chairman Feinstein. Dr. Clark?

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STATEMENT OF H. WESTLEY CLARK, DIRECTOR OF THE CENTER FOR
SUBSTANCE ABUSE TREATMENT, SUBSTANCE ABUSE AND MENTAL
HEALTH SERVICES ADMINISTRATION

Dr. Clark. Good afternoon, Chairman Feinstein,
Senator Klobuchar. I am sorry Senator Grassley had to
leave, but I wanted to thank you for inviting the
Substance Abuse Mental Health Services Administration to
participate in this panel.

I echo the testimony of my colleagues regarding the
importance of the topic of this hearing. I will focus on
SAMHSA's programs and activities, though we work with our
Federal partners, States, tribes, and local communities.

According to the National Survey on Drug Use and

1 Health which SAMSHA conducts, 4.9 million people reported
2 non-medical use of pain relievers during the past month
3 in 2012; 335,000 reported past month use of heroin, a
4 figure that has more than doubled in six years. In 2012,
5 more than 1.89 million people reported initiating non-
6 medical use of pain relievers and 156,000 reported
7 initial use of heroin.

8 One challenge in combating the misuse of pain
9 relievers is educating the public on the dangers of
10 sharing medications. According to our national survey,
11 54 percent of those who obtained pain relievers for non-
12 medical use in the past year received them from a friend
13 or relative for free, another 14.9 percent either bought
14 them or took them from a friend or relative, thus we have
15 both a public health problem intertwined with a cultural
16 problem.

17 SAMSHA has several programs focused on educating the
18 public, including the not-worth-the-risk-even-if-it's-
19 legal campaign, which encourages parents to talk to their
20 teens about preventing prescription drug abuse. Our
21 prevention of prescription abuse in the workplace effort
22 supports programs for employers, employees, and their
23 families. Our Partnership for Success grant includes
24 prescription drug abuse prevention as well as the
25 capacity-building activities in communities of high need.

1 Our Screening, Brief Intervention, and Referral to
2 Treatment program includes screening for illicit drugs,
3 including heroin and other opioids. We have also
4 developed programs to help physicians maintain a balance
5 between providing appropriate pain management and
6 minimizing the risk of pain medication misuse.

7 Our Screening, Brief Intervention, and Referral to
8 Treatment Medical Residency Program includes modules for
9 prescription opioids, for pain management, and opioid
10 misuse. Over 6,000 medical residents and over 13,700
11 non-residents have been trained nationally.

12 Physician clinical support systems for medication-
13 assisted treatment training is available via live in-
14 person, live on-line, and recorded modules, accessible at
15 any time. SAMSHA funds the Prescribers' Clinical Support
16 System for Opioid Therapies, a collaborative project led
17 by the American Academy of Addiction Psychiatry, with six
18 other leading medical societies. We will be funding a
19 provider's clinical support system on the appropriate use
20 of opioids in the treatment of pain and opioid-related
21 addiction this fiscal year.

22 At the end of April, in an article in the *New*
23 *England Journal of Medicine* authored by HHS leadership,
24 including Dr. Volkow and SAMSHA's administrator Pam Hyde,
25 describes the under-utilization of vital medications in

1 addiction treatment services and discusses ongoing
2 efforts by major public health agencies to encourage
3 their use.

4 Medication-assisted treatment includes three
5 strategies: agonist therapy, which uses methadone
6 maintenance; partial agonist therapy, which uses
7 buprenorphine; and antagonist therapy, which uses
8 Vivitrol, or extended-release injectable Naltrexone.

9 SAMSHA is responsible for overseeing the regulatory
10 compliance of certified opioid treatment programs which
11 use methadone and/or buprenorphine for the treatment of
12 opioid addiction and are being encouraged to use
13 Naltrexone.

14 We estimate that there are approximately 300,000
15 people receiving methadone maintenance. There are
16 currently 26,000 physicians with a waiver to prescribe
17 buprenorphine.

18 Co-Chairman Feinstein. Can I stop you? Three
19 hundred thousand people receiving what, did you say?

20 Dr. Clark. Methadone.

21 Co-Chairman Feinstein. Methadone.

22 Dr. Clark. Yes.

23 Co-Chairman Feinstein. And that is throughout the
24 United States?

25 Dr. Clark. That's throughout the United States.

1 Co-Chairman Feinstein. Okay.

2 Dr. Clark. There are currently 26,000 physicians
3 with a waiver to prescribe buprenorphine. Of these,
4 7,700 are authorized to prescribe 100 patients. We
5 estimate that \$1.2 million people receive buprenorphine.

6 SAMSHA also issued an advisory encouraging drug courts
7 to utilize Vivitrol in their treatment programs. We
8 estimate between 7,000 and 10,000 people are on Vivitrol,
9 an unfortunately low number because Naltrexone is useful
10 for both alcohol dependence and opioid dependence.

11 In August of 2013, we published the *Opioid Overdose*
12 *Tool Kit* to educate individuals, families, and first
13 responders, prescribing providers, and community members
14 about steps to take to prevent and treat opioid overdose,
15 including the use of Naloxone. When administered quickly
16 and effectively, Naloxone restores breathing to a victim
17 in the throes of opioid overdose.

18 This can be a teachable moment to assess treatment
19 need and refer a person to the appropriate resources. We
20 inform States and jurisdictions that the Substance Abuse
21 Prevention and Treatment Block Grant, primary prevention
22 set-aside funds, may be utilized to support overdose
23 prevention, education, and training.

24 In addition, we notified jurisdictions that block
25 grants other than their primary prevention set-aside

1 funds may be used to purchase Naloxone and the necessary
2 materials to assemble overdose kits and to cover the cost
3 associated with the assembling of such kits. SAMSHA
4 continues to focus on our mission of reducing the impact
5 of substance abuse and mental illness in America's
6 communities. We thank you and the members of this caucus
7 for convening this important hearing and providing SAMSHA
8 with the Obamacare to address this very critical issue.

9 Co-Chairman Feinstein. Thank you very much.

10 [The prepared statement of Dr. Clark appears in the
11 appendix.]

12 Co-Chairman Feinstein. Before Mr. Rannazzisi
13 speaks, I was just astonished at a statistic I just
14 found, and this is for the most recent take-back day.
15 Nationally, there were 6,000 collection sites. Three
16 hundred and ninety tons of medication was picked up.
17 That is 780,000-plus pounds. It is amazing.

18 Mr. Rannazzisi?

19 Mr. Rannazzisi. It is amazing in the fact that we
20 brought all these Federal, State, and local law
21 enforcement agencies together with community groups on
22 one Saturday for four hours to pick up that much.

23 Co-Chairman Feinstein. Is that right?

24 Mr. Rannazzisi. And it was a collaborative effort.

25 Mr. Rannazzisi. Yes. Six thousand sites, all that

1 are stocked with police officers, local, State, county,
2 Federal police officers, as well as community groups,
3 pharmacists, whoever would like to come out and work with
4 law enforcement. So it was truly a collaborative effort
5 and a wonderful, wonderful day.

6 Co-Chairman Feinstein. Wow! Thank you.

7 Please proceed.

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16 STATEMENT OF JOSEPH RANNAZZISI, DEPUTY ASSISTANT
17 ADMINISTRATOR OF THE DRUG ENFORCEMENT ADMINISTRATION

18

19 Mr. Rannazzisi. Thank you. Chairman Feinstein and
20 distinguished members, on behalf of DEA Administrator
21 Michele Lionhart and the men and women of the Drug
22 Enforcement Administration, thank you for the opportunity
23 to discuss today the relationship between prescription
24 opioids and heroin and how DEA is addressing this public
25 health problem.

1 First, let me say that the present state of affairs
2 is not a surprise. DEA has been concerned about the
3 connection between rising prescription opioid diversion
4 and abuse and rising heroin trafficking and abuse for
5 several years. The DEA believes that increased heroin
6 use is driven by many factors, including an increase in
7 the misuse and abuse of prescription opioids. The signs
8 have been there for some time now.

9 Law enforcement agencies across the country have
10 been reporting an increase in heroin use by teens and
11 young adults who begin the cycle of abuse with
12 prescription opioids. Treatment providers report that
13 opioid-addicted individuals switch to prescription
14 opioids and heroin depending on price and availability.
15 Non-medical prescription opioid use particularly by teens
16 and young adults can easily lead to heroin use. Heroin
17 traffickers know all of this and are relocating to areas
18 where prescription drug abuse is on the rise.

19 To give you an example, we know that many teens and
20 young adults can get prescription opioids for free from
21 the medicine cabinet or their friends. Let us assume a
22 teenager gets Hydrocodone, a Schedule III prescription
23 opioid and also the most prescribed drug in the United
24 States today, from a family medicine cabinet or a friend.

25 Once that free source runs out, it can cost as

1 little as \$5 to \$7 per tablet on the street, but then the
2 teen will eventually need more opioid to get the same
3 effect so he will increase his dose or move to a stronger
4 opioid, thus the cycle begins. Black market sales of
5 prescription drugs are typically 5 to 10 times their
6 retail value.

7 On the street, a Schedule II prescription opioid can
8 cost \$40 to \$80 a tablet, depending on the relative
9 strength of the drug. These increasing costs make it
10 difficult to continue purchasing, especially for teens
11 and young adults who do not have a steady source of
12 income.

13 Given the high cost to maintain the prescription
14 drug abuse habit, the teenager turns to heroin at a
15 street cost of generally \$10 a bag. The teenager gets a
16 high similar to the one he got when he abused
17 prescription drugs. It is just that easy.

18 Any long-term solution to reduce opioid abuse must
19 include actions to address prescription drug diversion
20 and misuse while also educating the public about the
21 dangers of non-medical use of pharmaceuticals, educating
22 prescribers and pharmacists, and treating those
23 individuals who have used from misuse to abuse and
24 addiction.

25 DEA currently has 66 operational tactical diversion

1 squads in 41 States, the District of Columbia, and Puerto
2 Rico. These groups capitalize on criminal law
3 enforcement authorities, task force officers, and DEA
4 agents to conduct criminal investigations of diversion of
5 pharmaceutical drugs. DE

6 A regulates more than 1.5 million registrants. DEA
7 diversion groups concentrate on the regulatory aspects of
8 enforcing the Controlled Substances Act utilizing
9 increased compliance inspections. This oversight enables
10 DEA to proactively educate registrants and ensure that
11 DEA registrants understand and comply with the law.

12 The tactical diversion squads and diversion groups
13 have brought their skills to bear on what was previously
14 known as ground zero for prescription drug use, Florida-
15 based internet pharmacies, and then pain clinics.

16 As the current pill mill threat is driven out of
17 Florida and moves towards the north and northwest, DEA
18 will continue to target the threat with TES groups'
19 proven law enforcement skills, diversion groups,
20 regulatory expertise, and by educating registrants.

21 DEA and our law enforcement partners have
22 aggressively targeted both prescription drug diversion
23 and heroin trafficking. From 2001 to 2012, there was a
24 staggering increase in drug analysis of opioid pain
25 medications, a 275 percent increase for Oxycodone, 197

1 percent increase for Hydrocodone, and a 334 percent
2 increase for morphine.

3 There has also been a significant increase in heroin
4 cases.

5 Co-Chairman Feinstein. Could you repeat that once
6 again?

7 Mr. Rannazzisi. Yes, ma'am. These are coming from
8 our NFL data, our National Forensic Lab data. From 2001
9 to 2012, we saw an increase in analysis of Hydrocodone to
10 the extent of 197 percent, a 275 percent increase in an
11 analysis of Oxycodone.

12 Co-Chairman Feinstein. What does analysis mean?

13 Mr. Rannazzisi. When a drug is submitted for
14 analysis it is usually either seized pursuant to arrest,
15 purchased undercover. So what it shows is our cases were
16 moving from the standard drug cases over to an increase
17 in cases related to prescription drugs. These analyses
18 occur across the country. So if an undercover agent or
19 an undercover officer at a local county sheriff's
20 department makes a purchase undercover of Oxycodone, he
21 submits that for analysis. We get those reports.

22 Co-Chairman Feinstein. So it is -- what is it,
23 tripled? Is that the figure?

24 Mr. Rannazzisi. Two hundred and seventy-five
25 percent in an 11-year period.

1 Co-Chairman Feinstein. So what do you deduce from
2 that?

3 Mr. Rannazzisi. I deduce that we have a major
4 prescription drug problem and it is just getting worse.
5 Heroin is just a symptom of a prescription drug problem.

6 Co-Chairman Feinstein. Well, and what you are also
7 deducing is that the prescription drug is a gateway drug
8 to heroin because if it gets too expensive, then the
9 young person turns to heroin, which is much cheaper.

10 Mr. Rannazzisi. I would absolutely agree with
11 that.

12 Co-Chairman Feinstein. Yes.

13 Mr. Rannazzisi. Yes. There was an increase in our
14 heroin cases from 2008 to 2012 of about 35 percent. If
15 the data for 2013 remains constant, the increase will be
16 about 51 percent for 2013. We are still getting reports
17 in.

18 The increase in heroin abuse and trafficking is a
19 symptom of our country's insatiable appetite for
20 prescription opioids that could ultimately lead to abuse
21 and addiction. It is a natural progression from the
22 abuse of prescription opioids. There is a dangerous
23 misperception that abusing prescription drugs is safer
24 than abusing heroin, but abuse of both prescription
25 opioids and heroin could lead to addiction and death.

1 Preventing the availability of pharmaceutical
2 controlled substances to non-medical users and educating
3 practitioners, pharmacists, and the public about
4 pharmaceutical diversion, trafficking and abuse are
5 priorities at DEA.

6 As such, we will continue to work in a cooperative
7 manner with our Federal, State and local officials, our
8 law enforcement partners, professional organizations, and
9 community groups to address this epidemic. Thank you for
10 the invitation to appear today, and I look forward to
11 answering any questions you may have.

12 Co-Chairman Feinstein. Thank you very much.

13 [The prepared statement of Mr. Rannazzisi appears in
14 the appendix.]

15 Co-Chairman Feinstein. Dr. Kolodny?

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23 STATEMENT OF ANDREW KOLODNY, CHIEF MEDICAL OFFICE OF
24 PHOENIX HOUSE, A NONPROFIT DRUG REHABILITATION
25 ORGANIZATION

1

2 Dr. Kolodny. Chairman Feinstein, Senator
3 Whitehouse, and Senator Klobuchar, thank you for the
4 opportunity to discuss our Nation's opioid addiction
5 epidemic.

6 The increasing use of heroin in suburban and rural
7 counties across the country is easily explained. If you
8 speak with a new heroin user, they will tell you that
9 they began using heroin after becoming addicted to opioid
10 painkillers. This phenomenon is not new. People have
11 been switching from painkillers to heroin since the
12 epidemic began 18 years ago.

13 Like heroin, opioid painkillers are made from opium
14 and the effects they produce in the brain are
15 indistinguishable from heroin. What this means is that
16 when we talk about opioid painkillers we are essentially
17 talking about heroin pills.

18 That said, these are also important medications for
19 end-of-life care and when used to treat pain on a short-
20 term basis. But these non-controversial uses--cancer
21 care or short-term use for acute pain--account for a
22 small portion of our overall consumption.

23 The CDC has been perfectly clear about the cause of
24 this crisis. The chart with the three lines rising up
25 behind you is a CDC chart. The rising green line

1 representing opioid consumption, according to the CDC, is
2 pulling up the red line which represents deaths and the
3 blue line which represents addiction. Please keep in
4 mind that the red line represents the loss of 125,000
5 lives.

6 What this graph represents is a public health
7 disaster of catastrophic proportion. According to the
8 CDC, increased prescribing of opioids has led to parallel
9 increases in addiction and overdose deaths. In other
10 words, this epidemic was caused by the medical community.

11 We did not do this out of malicious intent; for most of
12 us it was a desire to treat pain more compassionately
13 that led to over-prescribing. We were responding to a
14 campaign that encouraged long-term use. The risks were
15 minimized, especially the risk of addiction, and benefits
16 were exaggerated.

17 In fact, most patients with chronic pain on long-
18 term opioids are not doing well. We are probably harming
19 far more chronic pain patients than we are helping when
20 we put them on long-term opioids.

21 To help bring this crisis under control the CDC is
22 calling for reduced prescribing, especially for chronic
23 pain. Unfortunately, the FDA has not been listening to
24 the CDC. FDA continues to approve dangerous new opioids,
25 even over the objection of its own scientific advisors,

1 and FDA continues to allow marketing of opioids for
2 common problems like low back pain, where risks are
3 likely to outweigh the benefits of use.

4 With only 5 percent of the world's population, we
5 now consume 84 percent of the world's Oxycodone and 99
6 percent of the Hydrocodone supply. On what basis is FDA
7 concluding that we need more opioids? To end this
8 epidemic, the two things we must accomplish are the same
9 two things we would need to do for any disease epidemic:
10 1) we must prevent people from developing the disease in
11 the first place; and 2) we must see that people who have
12 the disease are able to access effective treatment.

13 To prevent people from getting this disease in the
14 first place, the medical community, including dentists,
15 must prescribe more cautiously so that we do not directly
16 addict our patients and so that we don't indirectly cause
17 addiction by stocking medicine chests with a hazard.

18 For the millions of Americans now struggling with
19 addiction, we have effective treatments that will allow
20 them to lead fully productive lives. Unfortunately, in
21 communities hit hardest by the epidemic, treatment
22 capacity does not come close to meeting demand,
23 especially for buprenorphine treatment where strict
24 limits on who can prescribe and patient caps prevent many
25 from accessing the treatment that can save their lives.

1 Co-Chairman Feinstein. Explain what you mean by
2 patient caps.

3 Dr. Kolodny. Well, the law Data 2000, which is the
4 law that makes buprenorphine prescribing possible out of
5 offices, limits doctors to treating 30 patients in their
6 first year. After they have a year of experience, they
7 are limited to treating only 100 patients, whereas a
8 doctor who wants to treat low back pain with oxycontin
9 can prescribe to hundreds or as many patients as they
10 would like, no limits. Buprenorphene, I should add, is a
11 much safer medication than Oxycontin, much lower risk of
12 an overdose.

13 If we don't rapidly expand access to treatment, the
14 outlook is grim. Overdose deaths will remain at
15 historically high levels. Heroin will continue flooding
16 into our neighborhoods and our families and communities
17 will continue to suffer the tragic consequences.

18 Thank you.

19 Co-Chairman Feinstein. Well, thank you very much.

20 [The prepared statement of Dr. Kolodny appears in
21 the appendix.]

22 Co-Chairman Feinstein. We have just been joined by
23 Senator Udall of New Mexico. Candidly, as I listened, I
24 am really struck. You know, 30 years ago I was mayor of
25 a big city and we had our share, nothing like today.

1 Nothing like today. I think this testimony is amazing in
2 terms of the tripling of heroin users, the enormous abuse
3 of Oxycontin and Oxycodone and Hydrocodone.

4 The question is, you mentioned the FDA just keeps on
5 licensing regardless. I think that is something that I
6 am going to look into. I have this question. I was the
7 Senate sponsor of the Ryan Haight Act which went into
8 effect in 2008. That provided that no controlled
9 substance that is a prescription drug, as determined
10 under the Federal Food, Drug and Cosmetic Act, may be
11 delivered, distributed, or dispensed by means of the
12 internet without a valid prescription. Then it describes
13 what it takes to do a valid prescription.

14 I thought that would cut down on some of the use,
15 which Ryan Haight--and his mother called me from San
16 Diego--was an 18-year-old who essentially overdosed on it
17 and died, bought it over the internet. Has that been
18 controlled, do you think, by this restriction? Do you
19 have to have a prescription?

20 Dr. Kolodny. Maybe that was effective because
21 internet purchase of Schedule II opioids doesn't seem to
22 be a big problem right now.

23 Co-Chairman Feinstein. Really?

24 Dr. Kolodny. So these opioids are coming from
25 doctors who are prescribing them.

1 Co-Chairman Feinstein. Wow.

2 Dr. Kolodny. Vicodin can be phoned in very easily,
3 prescribed with multiple refills because it's in the
4 wrong schedule right now, but for other opioids it does
5 require a doctor's visit.

6 Co-Chairman Feinstein. Well, let me -- so we
7 solved that problem. So now we have the problem of
8 doctors over-prescribing. What would you recommend?

9 Dr. Kolodny. Well, for doctors to prescribe more
10 cautiously they need accurate information about the risks
11 and benefits of these medications. What caused this
12 epidemic in the first place, what caused the prescribing
13 to just take off, was a very well-funded campaign with
14 quite a bit of misinformation.

15 Doctors were taught--I was taught--that you
16 shouldn't worry about getting patients addicted, that the
17 compassionate way to prescribe is aggressively. There
18 really isn't that much being done to correct the record.

19 Co-Chairman Feinstein. Anybody else on this point?
20 Yes, Mr. Botticelli? Then we'll go right down the line.

21 Mr. Botticelli. I would absolutely agree that part
22 of what we have to look at, and all of our colleagues
23 talked about the vast over-prescribing of prescription
24 medication by physicians, that part of the efforts that
25 the Federal Government has been doing in conjunction with

1 both NIDA and with SAMSHA is providing online training
2 courses for physicians to really look at appropriate and
3 safe opioid prescribing.

4 We think there is more to be done in this area and
5 we think that promoting mandatory prescriber education,
6 as many States have done, is really part of providing and
7 ensuring that physicians are getting accurate information
8 other than information that has been provided in terms of
9 pain prescribing patterns.

10 We keep pointing to the data and it's very, very
11 clear that this is driven by well-meaning physicians in
12 many cases who don't understand the lethality of these
13 drugs, the addictive properties, and are really not
14 trained in terms of looking at alternatives and how do we
15 monitor people who might be developing an addiction.

16 Co-Chairman Feinstein. Anybody else on this? Dr.
17 Volkow, go ahead. Then we'll go to Dr. Clark.

18 Dr. Volkow. Yes. In addition to the issue of
19 education, which is crucial, and that overall there is
20 missing education on screening, proper prescribing, and
21 management of pain in medical schools and in pharmacy
22 schools, there is also what you mentioned, improving
23 access and friendliness of the prescription monitoring
24 programs so that physicians, when faced with a patient,
25 can access that information not just in their States but

1 in other States. I think that the third issue that we
2 really need to address is the fact that we have also a
3 serious problem of severe pain, numbers of people with
4 severe pain, and we do not have adequate treatments to
5 address pain in patients. It is another reality that we
6 need to face.

7 Co-Chairman Feinstein. Thank you.

8 Dr. Clark?

9 Dr. Clark. We also have, with the advent of the
10 Affordable Care Act, an opportunity to offer alternatives
11 to pain medication for the treatment of pain. I think
12 that's something that we should also keep in mind.
13 Historically one of the problems was that there were few
14 alternatives to pain medication for pain management
15 because physical therapy was not available to a lot of
16 people who suffered from pain depending on the community
17 in which you live, and other strategies could not be
18 supported if the insurance companies chose not to support
19 them. So pain medications themselves are actually
20 relatively inexpensive, despite some of the new
21 formulations. So with the ACA, having an opportunity to
22 get non-prescription strategies to address pain becomes
23 more available.

24 Co-Chairman Feinstein. Thank you.

25 Dr. Rannazzisi?

1 Mr. Rannazzisi. Just, pre-Ryan Haight we had a
2 massive problem with Schedule IIIs and IVs coming off the
3 internet. We had one case where 30 -- well, the average
4 pharmacy in 2006 was dispensing about 66,000 Hydrocodone
5 tablets a year. That's not that much. In one case we
6 had 34 internet facilitation sites, 34 brick-and-mortar
7 pharmacies that dispensed over 98 million Hydrocodone
8 tablets.

9 Co-Chairman Feinstein. Wow.

10 Mr. Rannazzisi. What Ryan Haight did was shut that
11 down, but what did we see overnight? These were not
12 physicians, these were traffickers. They gave up their
13 white coat for trafficking and money. What we saw is,
14 overnight, they moved from internet trafficking to pain
15 clinic trafficking. We went from 4 to 7 clinics in
16 Broward County in 2006 to over 142 in 2010. That doesn't
17 make any sense.

18 Co-Chairman Feinstein. So what you're saying is
19 that the pain clinic is part of the problem.

20 Mr. Rannazzisi. The rogue pain clinic -- true.
21 The rogue pain clinic is definitely part of the problem.
22 These are doctors that are not practicing medicine,
23 these rogue clinics -- these are doctors that are just
24 dispensing to patients, directly prescribing.

25 Co-Chairman Feinstein. I thought that had been

1 abated. I think in Florida a big one was shut down. Is
2 that right?

3 Mr. Rannazzisi. We decreased the number in Florida
4 through a collaborative effort between law enforcement,
5 Federal, State and local law enforcement. They just
6 moved into Georgia. Now they're up in Tennessee. There
7 is over 300 clinics operating in Tennessee right now.
8 Georgia has got over 100, or almost 200, clinics
9 operating right now. They're moving north and west.
10 These are just prescription pain mills. These are not --

11 Co-Chairman Feinstein. So what can we do?

12 Mr. Rannazzisi. We need to get aggressive. It's a
13 two-prong approach. We need to aggressively attack these
14 clinics and get them out of business as soon as possible,
15 but the regulatory boards in the States need to take
16 control. A lot of these clinics could have been shut down
17 if the regulatory boards would have exercised their
18 authority.

19 Co-Chairman Feinstein. All right.

20 Mr. Rannazzisi. Some States don't give them enough
21 authority.

22 Co-Chairman Feinstein. I'm way over my time.

23 Senator Grassley, thank you.

24 Senator Grassley. My first question would be to
25 Mr. Rannazzisi. It comes from news reports that we've

1 had about the countless deaths linked to a mixture of
2 heroin and the painkiller fentanyl. In Philadelphia just
3 this week, it said at least 28 people have died from the
4 mixture, so it gives you a chance to educate us and the
5 public.

6 Take the opportunity to tell the public what DEA
7 knows about the dangers associated with the mixture and
8 explain why drug dealers might mix, and tell us what
9 steps DEA can take to locate its sources and arrest
10 traffickers.

11 Mr. Rannazzisi. First of all, a little bit about
12 fentanyl. Fentanyl is a synthetic opioid. It's totally
13 synthetic. It's not manufactured from the plant, it's
14 manufactured in a lab. We've seen this over the years.
15 Over the past 35 years, we have seen clusters of deaths
16 related to clandestinely produced fentanyl.

17 What we see is most of the fentanyl is clandestinely
18 produced. Most recently in 2005 or 2006, we had a rash
19 of fentanyl deaths that were related to a lab that we
20 tracked back into Mexico, to Toluca, Mexico. Working
21 with the Mexican authorities, we closed that lab down.
22 Fentanyl rears its head pretty much every few years.

23 Now, this particular drug, it could be fentanyl or
24 it could be an analog of fentanyl called acetyl fentanyl.

25 It could be another analog that we're just not familiar

1 with. But the reason they use it is because it's
2 approximately -- fentanyl, I think, is approximately 100
3 times more potent than morphine on a standard dose. So
4 if they have bad heroin or the heroin is not potent
5 enough, or if they do not have heroin they'll use the
6 fentanyl and sell it as heroin.

7 People don't realize how potent fentanyl is. People
8 don't realize how difficult it is to cut fentanyl. It's
9 measured in micrograms, so the fact is if you don't know
10 how to cut it people are going to be getting hot shots
11 and die of overdoses. So it's very, very important that
12 we find the labs. We have specific clandestine lab
13 groups, as well as heroin groups out there looking for
14 the source just like we did in Toluca, and once we find
15 the source, domestically or abroad, we'll take care of
16 it.

17 Senator Grassley. Okay. Dr. Volkow, common sense
18 tells us that efforts to prevent all kinds of addictive
19 behavior should begin as early as possible in life. I'm
20 concerned about the increasing use of marijuana among
21 young people leading to other addictions.

22 You are obviously an authority on drug abuse and
23 addiction and you have been outspoken in our views about
24 marijuana itself being addictive. Are you concerned that
25 marijuana use by young people elevates their risk for

1 other addictions later in life, such as abusing
2 prescription painkillers or heroin, and what does science
3 tell us about this?

4 Dr. Volkow. Well, epidemiological studies tell us
5 that most people that are addicted to drugs started by
6 consuming marijuana and many of them started also by
7 consuming tobacco and alcohol, so this relates to the
8 concept of gateway theory of addiction. What we know
9 from animal studies is exposure to marijuana-like
10 substances in animals early on during the period of
11 adolescence, or even younger, increases the sensitivity
12 to the addictiveness of other drugs.

13 In studies of twins, they have also shown that when
14 the twin that starts early before age 17, they have a
15 much greater risk -- starts the use of marijuana before
16 age 17, has a much greater risk of becoming addicted to a
17 wide variety of drugs than the co-twin that started after
18 that period of time. Those studies are important because
19 they control for common genetic and environmental factors
20 that are also very important drivers of using and
21 experimenting with drugs.

22 So the data do not seem to suggest that use of
23 marijuana during adolescence would have deleterious
24 effects vis-a-vis making that person more vulnerable to
25 the addictiveness of other drugs, including prescription

1 opioids.

2 Senator Grassley. Mr. Botticelli, you referenced
3 in your testimony about the administration's prescription
4 drug prevention plan that goes back to April of 2011.
5 The plan focused on prescription opioids. One of its
6 goals was to reduce deaths associated with the drugs.

7 Do you think the plan needs to be revised in light
8 of alarming developments over the last three years, and
9 if so, how? Or are the solutions to this epidemic a
10 question of doing a better job of implementing it?

11 Mr. Botticelli. I think it's two-fold, sir.
12 Clearly we have to look at the emerging evidence. I
13 think any strategy work its salt has to acknowledge the
14 changing times and really look at how our strategy
15 continues to evolve to address those issues.

16 As we've talked about today, the prescription drug
17 abuse prevention plan clearly falls in the area in terms
18 of how we attack, in a multi-faceted way, these issues.
19 We will continue to update our strategy to talk about the
20 evolving heroin issue. We have been continually
21 promoting the use of medication-assisted treatment,
22 expansion of access to treatment particularly in primary
23 care settings, and the more widespread use of overdose
24 prevention tools. So we will clearly evolve our
25 strategies to reflect the changing demographic and

1 changing use patterns, and also changing strategies that
2 we need to address it.

3 Senator Grassley. I will submit my last question
4 in writing to Dr. Volkow and Dr. Clark. I would
5 appreciate your answer, and I will yield the floor.

6 Co-Chairman Feinstein. Thank you, Senator.

7 We do early bird. Senator Klobuchar?

8 Senator Klobuchar. Thank you very much, Senator
9 Feinstein.

10 I wanted to follow up. Senator Feinstein asked some
11 very good questions about the drug take-back program.
12 You know, Mr. Rannazzisi, that I have a bill that Senator
13 Cornyn and I passed four years ago to make it easier to
14 do drug take-backs. She talked about the 390 tons, but
15 our problem is, we do not have the rules. I talked to
16 Director Leonard, I think, three or four times. She's
17 from Minnesota. I like her a lot.

18 I know you guys are working on this and I know we
19 just got them back from OMB, which was a great thing.
20 But when do you think those rules will be done, because
21 we can't support these drug take-back programs to the
22 extent that we want if we do not have the rules from the
23 DEA when it is taking four years?

24 Mr. Rannazzisi. Thank you, ma'am, for that
25 question. Thank you for your support and your leadership

1 on that bill. That was a very important bill for us.
2 Right now, there is one issue that we're trying to
3 address.

4 Senator Klobuchar. Right. With long-term care
5 facilities, yes, or something like that. You don't have
6 to tell me. I don't know what it is.

7 Mr. Rannazzisi. There's one issue we're trying to
8 address and we're trying to do it as expeditiously as
9 possible.

10 Senator Klobuchar. Okay.

11 Mr. Rannazzisi. The fact is that OMB has done
12 their job, they've vetted it through, it came back to us.
13 We're trying to work on this one problem.

14 Senator Klobuchar. Yes. Well, I just know, given
15 what the Senator said about the importance of that 390
16 tons, we could multiply that over if we could make it
17 easier to have these drug take-backs on a weekly basis or
18 have them on a daily basis in pharmacies so people can
19 just bring them back.

20 Mr. Rannazzisi. If I may, ma'am, the problem with
21 this bill in particular was this bill and these
22 regulations touch on several different --

23 Senator Klobuchar. I know. Transportation and --

24 Mr. Rannazzisi. Transportation, EPA, even the
25 military. So we have to be very cautious because we

1 don't want to have them to go back and make serious
2 corrections in their statutes.

3 Senator Klobuchar. Right. I understand. Then you
4 also brought up when Senator Grassley was asking you
5 about synthetic drugs, and thank you for bringing up that
6 issue as well which is contributing to these addictions,
7 the fact that people can manufacture them from compounds.

8 We of course--Senator Grassley and Senator Schumer
9 and I, and Senator Feinstein, were very helpful in this--
10 supported moving on these synthetic drugs. She and I
11 have two different bills that are both supporting each
12 other's bills about synthetic drugs with analogs and
13 things like that. You think that would be helpful to
14 make it easier to prove up these cases?

15 Mr. Rannazzisi. I believe any help we could get at
16 this moment in time is going to be beneficial.

17 Senator Klobuchar. Okay.

18 Mr. Rannazzisi. We have about 200 compounds we
19 have identified that are outside the act, outside the
20 Controlled Substances Act, non-controlled drugs
21 representing every class of drug of abuse out there
22 today, including PCP.

23 Senator Klobuchar. Okay. Thank you so much for
24 what you're doing.

25 Dr. Clark, I appreciated what you said about

1 Naloxone. As you know, the FDA just approved it, quicker
2 than usual, to be used in emergency situations. I know
3 my State, this month, passed a bill allowing first
4 responders to use it. I am going to move on because I'm
5 somewhat obsessed with this prescription drug monitoring
6 issue, but I wanted to thank you for raising it. It's
7 very important. And just so you know, it was the number-
8 one thing that President Clinton talked about yesterday
9 in Baltimore, so it's a very big deal. So, thank you.

10 Prescription drug monitoring. This is this idea
11 that, as we are seeing all of these clinics that
12 shouldn't be prescribing -- and Dr. Volkow, I had never
13 heard those numbers. What did you say about the increase
14 in the number of prescriptions, the number you used?

15 Dr. Volkow. More than double over 20 years.

16 Senator Klobuchar. More than double.

17 Dr. Volkow. -- 207 million prescriptions per year
18 are between Hydrocodone and Oxycodone products.

19 Senator Klobuchar. Right. Without that much
20 change in our population.

21 Dr. Volkow. No.

22 Senator Klobuchar. Okay. So there's just no way
23 that all these -- yes. So Senator Whitehouse is just
24 saying I guess this many more people are in pain, and I
25 think we know that's not the case. I think what we know

1 is going on is people are being prescribed these drugs
2 that should not be. So tell me some ideas you have and
3 how you think this -- if this prescription drug
4 monitoring, where at least we can put a check on these,
5 and Mr. Botticelli could help. Both of you.

6 Dr. Volkow. What you said, the 290 tons --

7 Senator Klobuchar. That's the drug take-back.

8 Dr. Volkow. Yes. What it tells us is, why are we
9 ending up with so many medications --

10 Senator Klobuchar. That is a very good question.

11 Dr. Volkow. That speaks for itself.

12 Senator Klobuchar. Right. And this gets to the
13 root of it. The take-back is good. I want to get it
14 done but I am not naive to think that's going to fix our
15 problem. So it's going to help and it's going to get it
16 out and help with kids especially that are grabbing it
17 from their parents' medicine cabinet. So what do you
18 think we can do?

19 Dr. Volkow. We need to prescribe much, much better
20 and we need to treat pain much, much better and monitor
21 things, because we have the technology. The prescription
22 monitoring program should work. If I can order from
23 Google and get things immediately--immediately--why can
24 we not have a system like that that is inter-operational
25 that I can have information from one State to the other?

1 Senator Klobuchar. Okay.

2 Mr. Botticelli, very quickly, and then Dr. Kolodny,
3 because then I'm out of time.

4 Mr. Botticelli. So these are two very
5 complementary strategies. Clearly when people start
6 misusing prescription drugs they're getting them from the
7 medicine cabinet, so getting them out of the medicine
8 cabinet is the first strategy.

9 Clearly as people progress to more chronic use they
10 often turn to doctor shopping to be able to do this, so a
11 large part of our prescription drug abuse strategy is
12 getting every State to have an operational and effective
13 prescription drug monitoring program.

14 We have 48 now that are operational, 1 that is in
15 the process, and we have 1 State, unfortunately, that
16 refuses to invest in a prescription drug monitoring
17 program. A big part of our work with SAMSHA and the
18 Office of National Coordinator has been easier-to-use
19 programs as well as interoperable programs, so a number
20 of Senators said that these programs need to communicate
21 across State lines. So we now have 20 States that have
22 interoperable prescription drug monitoring programs.

23 Senator Klobuchar. Okay. I know you want to
24 answer, but I know Senator Udall has a bill on this so
25 he'll have some follow-up questions and maybe he can

1 direct one to you because they're teasing me for going
2 way beyond my time.

3 Co-Chairman Feinstein. Oh, that's all right.
4 We've all been known to go beyond our time. You have a
5 relaxed Chair.

6 Senator Whitehouse?

7 Senator Whitehouse. Welcome. This is a terrific
8 panel and I thank Chairman Feinstein and our Ranking
9 Member Senator Grassley for pulling this together. This
10 is a very, very important topic. Thirty-eight Rhode
11 Islanders died of opioid overdoses in the first six weeks
12 of this year. If you expand that to the population of
13 the country and to a full year, that's 100,000 Americans
14 dead per year. It's really very serious.

15 Some good steps have been taken. The State Police,
16 for instance, have just issued Naloxone to all of their
17 folks and recommended that local police departments, as
18 well as EMT first responders, have that available. So I
19 think we're responding in some good ways.

20 One that worries me a little bit is something that's
21 been raised a bunch here, and that's these prescription
22 drug monitoring programs. I fought for years with, Mr.
23 Rannazzisi, your agency, DEA, to try to get scheduled
24 narcotics onto electronic prescribing.

25 After--Senator Klobuchar, you'll be glad to know it

1 wasn't just you--years of bureaucratic battle, finally
2 the regulations came out. I think that facilitates, via
3 electronic prescribing, prescription drug monitoring.
4 When you no longer have to go and ask for the paper
5 scripts from individual doctors or from individual
6 pharmacies, you can look at a database and you can see,
7 wait a minute, this fellow is a podiatrist, why are they
8 prescribing Oxycodone; wait a minute, this person
9 prescribed 500 capsules last month and now they're
10 prescribing 5,000; wait a minute, this person has gone to
11 five different doctors and five different pharmacies for
12 the same prescription, what's going on? It opens
13 investigatory doors.

14 Yet, years later it is now electronic prescribing
15 for all this stuff. The prescription drug monitoring
16 programs don't seem to have yet really come online as a
17 proper investigative tool to give us the common-sense
18 information that we need to make these determinations.

19 What are the best next steps that we should be
20 pursuing to try to get this prescription drug monitoring
21 program to a place where we're getting these warnings
22 before we have to go and run up a fake pain clinic that
23 has sold 100,000 prescriptions? You know, you should be
24 able to catch that a lot sooner if you're actually
25 watching the data as it comes up. What are our best next

1 steps? Dr. Volkow, let me ask you first because you
2 talked about this very well.

3 Dr. Volkow. Well, I would say that we should put
4 the resources that are necessary to make these systems
5 the way they should be, immediate information right away
6 and access to data that is relevant. There is no reason
7 technologically that we cannot do it.

8 Senator Whitehouse. And privacy concerns?

9 Dr. Volkow. The privacy concerns are equivalent to
10 those that you have in electronic medical records.

11 Senator Whitehouse. So the data is there anyway,
12 we're just not accessing it in an intelligent fashion.

13 Dr. Volkow. Correct.

14 Senator Whitehouse. Correct. Okay.

15 Dr. Clark?

16 Dr. Clark. SAMSHA, working with ONC and with Rhode
17 Island, promulgated PDMP electronic health record
18 integration and interoperability programs. It has got a
19 small portfolio. We also work with Department of
20 Justice, which has the lion's share of the primary focus
21 of PDMPs.

22 But we have been working with Rhode Island to
23 improve access to PDMP data for healthcare providers by
24 integrating Rhode Island's PDMP functions into electronic
25 software used by hospitals and physicians' offices and by

1 integrating the PDMP functions in the pharmacy dispensing
2 software of our pharmacy and sharing PDMP data with other
3 States, including two geographically bordering States.

4 This work has to be done in order to make this
5 effective. With new technologies you do not necessarily
6 get greater efficiencies unless you iron out the bugs, so
7 we're working with the Rhode Island Health Department to
8 address this so we can establish these models that we can
9 share with --

10 Senator Whitehouse. Yes. I think Mike Fine, who
11 is our Director of Health, is probably the best person in
12 the country on this. And yes, thank you, Michael
13 Botticelli, for nodding your head, and Andrew Kolodny is
14 nodding. I'm glad to hear Rhode Island gets some cheers
15 here.

16 Let me wrap up by thanking Dr. Kolodny for being
17 here--Phoenix House has got a very important role in
18 Rhode Island, and Dr. Kolodny has been very, very
19 helpful--and to urge that as we -- particularly as DEA
20 does the enforcement in this area, let's not throw the
21 baby out with the bath water.

22 Let's do remember that these drugs have a purpose to
23 alleviate human suffering. My particular concern is that
24 when you have got people who are weak and not
25 particularly good advocates for themselves, particularly

1 elderly people, particularly in nursing homes, if they
2 run into an episode of very, very severe pain then you've
3 ratcheted it down so tight that you need to wake up a
4 doctor at 2:00 in the morning and come in and prescribe
5 them their medication. In the real world they're going
6 to suffer for hours until somebody can be found to come
7 in. So I hope that you'll be balanced and thoughtful and
8 precise in the way we go about pursuing this and not risk
9 the beneficial effects of these drugs in the pursuit of
10 eradicating their abuse.

11 Mr. Rannazzisi. May I respond just briefly? I
12 believe the clinics and the practitioners that we
13 investigate and prosecute are not doing any type of
14 medical care, and you would not want an elderly person,
15 let alone a healthy person, to go to them. What we're
16 seeing is drug seekers go to them and they're just
17 facilitating addiction.

18 Senator Whitehouse. No, I don't defend the pain
19 clinics for one second. I think that's a racket out
20 there. But if you've got a situation where you need a
21 doctor to prescribe for somebody at 2:00 in the morning
22 in a nursing home and you've got to wake somebody out of
23 bed, that's a problem, I think. I think a legitimate
24 nursing home that's been there for years you need to
25 think of as differently than a pain mill that just got

1 stood up six months, six weeks ago.

2 Co-Chairman Feinstein. Thank you, Senator.

3 Senator Udall?

4 Senator Udall. Thank you, Senator Feinstein. Good
5 to be here with you.

6 Co-Chairman Feinstein. Good to have you here.

7 Senator Udall. Let me just thank you and Senator
8 Grassley for focusing on a tremendously important issue.

9 I mean, this testimony we've seen, this chart that I
10 think was in your package, this astronomical growth is
11 just astounding. In light of Senator Klobuchar's
12 discussion with me, I first want to turn to you, Doctor,
13 and ask you on the prescription drug monitoring issue, I
14 think you wanted to say something there and so I hope
15 that you have an opportunity to do that.

16 Dr. Kolodny. I did. Thank you for asking me. So
17 most States, as we've heard, have prescription drug
18 monitoring programs and we can invest in interstate data
19 sharing, but unfortunately they're not being used. PDMPs
20 may be one of the best tools we have in the country for
21 bringing this crisis under control and except for New
22 York, Kentucky, and Tennessee, the three States that made
23 it mandatory for doctors to use them, they're just not
24 being used. So if there is some way that you can
25 incentivize States to make it mandatory for their

1 physicians to use them, I think that would be very
2 helpful.

3 Co-Chairman Feinstein. Use what?

4 Senator Klobuchar. Prescription drug monitoring.

5 Co-Chairman Feinstein. Oh. Well, we ought to do
6 that. I mean, that's something we can do.

7 Senator Udall. Yes. That's what you're saying we
8 should do, we should make that mandatory.

9 Dr. Kolodny. Absolutely.

10 Senator Udall. Yes. Yes. Right.

11 Co-Chairman Feinstein. Unfunded mandate.

12 [Laughter].

13 Senator Udall. A worthwhile one, though.

14 Worthwhile one.

15 Let me -- I had an opening statement too, but Madam
16 Chair, I'm just going to ask to --

17 Co-Chairman Feinstein. You are free to give it.

18 Senator Udall. -- put that in the record and go
19 on to questioning because I think such good issues have
20 been raised here.

21 [The prepared statement of Senator Udall appears in
22 the appendix.]

23 Senator Udall. Last month--and this goes to Dr.
24 Rannazzisi -- I don't think you are a doctor, but anyway.
25 Last month, Senator Portman and I sent a letter, signed

1 by 14 of our colleagues, to Attorney General Holder
2 urging the Department of Justice to draw on the many
3 evidence-based strategies that are being successfully
4 employed in States to address heroin and opiate addiction
5 epidemic.

6 Can you explain what efforts are under way to find
7 solutions that are working in the States and then expand
8 them nationwide?

9 Mr. Rannazzisi. I think for starters, the States
10 have taken a lead in having prescription drug summits,
11 not only for the prescribers, pharmacists, nurses, but
12 also for community leaders. The States have basically
13 leveraged their community coalitions and had the
14 community coalitions out there doing education.

15 Using that as a force multiplier we can get the word
16 out to our schools. I think the States are doing a
17 remarkable job. We're working together in investigations
18 related to rogue pain clinics and rogue practitioners.

19 I think that this problem, if we don't work as a
20 team, both State, Federal, local investigators and
21 regulatory boards, it's just going to get worse. We have
22 more collaboration with regulatory boards and State and
23 local task forces now than ever before just to address
24 this problem. Florida is a perfect example. So I think
25 the States and the Federal Government together are doing

1 a fine job addressing the problem.

2 Senator Udall. Well, the great thing about our
3 system is having the States as laboratories. As you
4 said, they've come up with some very good examples that I
5 think we can spread nationwide.

6 Mr. Botticelli, drug abuse -- I have a very large
7 Native American population, 23 tribes in New Mexico.
8 Drug abuse in Indian country is a significant problem.
9 According to a SAMSHA survey, the rate of non-medical use
10 of prescription drugs among American Indian or Alaska
11 Native adolescents was almost twice the national rate.

12 During fiscal years 2006 and 2009, the High-
13 Intensity Drug Trafficking Areas Program provided a small
14 amount of discretionary funding for a Native American
15 program to combat drug trafficking on tribal lands. Is
16 this something you'd be willing to consider as Director?

17 Mr. Botticelli. Sure. We've been significantly
18 concerned in terms of substance use, and particularly
19 this issue, on tribal lands. We've actually been working
20 with the Indian Health Service to look at how they might
21 increase capacity around medication-assisted treatment.
22 We have also actually gotten great cooperation from the
23 Indian Health Services in making sure that all of their
24 prescribers are appropriately trained on safe
25 prescribing. So we've got great coordination with that,

1 but we are also working, and we will continue to work,
2 with our HIDTAs about how we might look at discretionary
3 dollars to focus on that population.

4 Senator Udall. Great. Thank you very much. That
5 is a perfect, I think, collaboration between the Indian
6 Health Service and you to move this whole issue forward.

7 Thank you very much, Madam Chair.

8 Co-Chairman Feinstein. Thank you very much,
9 Senator. Appreciate it.

10 Senator Markey, welcome.

11 Senator Markey. Thank you, Madam Chair. Thank you
12 for inviting me. I very much appreciate it.

13 Dr. Botticelli, thank you for your good work in
14 Massachusetts. Thank you for your good work for the
15 country. As you know, we've been a pioneer in
16 Massachusetts in programs that distribute Naloxone widely
17 in the community to those who are likely to observe an
18 overdose, such as the family and friends of an opioid
19 user.

20 These programs save thousands of lives. My
21 understanding, however, is that some physicians, first
22 responders, community volunteers, members of the general
23 public, have expressed concern about being held liable
24 for lawsuits if they administer Naloxone in emergency
25 overdose situations. Have you also heard these concerns?

1 Mr. Botticelli. I have.

2 Senator Markey. If we were to eliminate those
3 liability concerns, do you think we could increase
4 dramatically the number of people who are ready, willing,
5 and able to save the lives of people who overdose?

6 Mr. Botticelli. I do. I think guaranteeing some
7 level of immunity for people who respond to an overdose
8 with the use of Naloxone is a strategy that we should
9 continue to investigate.

10 Senator Markey. And I agree with you. I don't
11 think anyone should be afraid to save the life of a
12 family member or a loved one because of legal liability.

13 I recently introduced a bill called the Opioid Overdose
14 Reduction Act. It's a really simple solution to a
15 problem. It extends protections to people who step in to
16 save the lives of a person who is overdosing by
17 administering a drug like Naloxone, and we need a
18 national Good Samaritan law so that people will step in.

19 How many lives do you think would be saved if we had
20 such a law?

21 Mr. Botticelli. We know one of the prime issues
22 why people overdose and die is failure to call 911 in an
23 emergency. Clearly signaling to people that they
24 shouldn't be afraid to call 911 is a significant
25 advancement in how we're going to reduce overdose deaths.

1 Senator Markey. So a Good Samaritan law would
2 really help here?

3 Mr. Botticelli. Absolutely, yes.

4 Senator Markey. Do you all agree with that?

5 Dr. Volkow. Yes.

6 Senator Markey. Yes. I think that's really
7 something we can do, to pass a law which does provide
8 Good Samaritan protection.

9 Dr. Volkow, isn't it true that for opioid addicts in
10 prison the treatment approach that works best is
11 combining medication-assisted therapies with community-
12 based treatment for reentry?

13 Dr. Volkow. Yes, indeed. We have the best
14 outcomes on prisoners that, when they leave the prison
15 system to go into the community, were initiated either on
16 methadone or buprenorphine and are sustained with it not
17 just in their ability to stay off drugs, but also in
18 decreasing the number of overdoses. That transition from
19 prison into the community increases the risk of dying
20 from overdose something like 13- or 17-fold.

21 Senator Markey. So there are currently very few
22 medication-assisted therapy programs in our prisons?

23 Dr. Volkow. Unfortunately, that is correct.

24 Senator Markey. What do you think are the barriers
25 to expansion of medication-assisted therapies in Federal

1 and State prisons?

2 Dr. Volkow. I think that it does relate to a
3 culture that we observe in many of the treatment programs
4 that rejects the use of opioid-assisted therapies as
5 medications because of the belief that you are changing
6 one drug for another, when in fact we know that they are
7 very, very different and they are therapeutically
8 beneficial and cost-saving.

9 Senator Markey. So Mr. Botticelli, after a life is
10 saved from an overdose by Naloxone, people with chronic
11 addiction need to be linked into effective, ongoing
12 treatment for their conditions. I understand that you
13 were instrumental in Massachusetts in helping to increase
14 access to medication-assisted treatment programs within
15 community health centers. Do you believe this model, the
16 Massachusetts model, can be used to expand access to
17 these therapies across the country?

18 Mr. Botticelli. I do. You know, one of our
19 challenges is, how do we continue to expand access
20 without building bricks and mortar? Our Federally
21 qualified health centers are uniquely situated, both in
22 rural areas, to really look at doing that and we found by
23 giving minimal assistance to Federally qualified health
24 centers we could increase by about 10,000 the number of
25 Massachusetts residents who were able to get very

1 effective, comprehensive medication-assisted treatment
2 with the rest of the services that they needed.

3 Senator Markey. Dr. Clark, do you agree that
4 expansion of medication-assisted therapies into primary
5 care settings such as community health centers would be
6 helpful?

7 Dr. Clark. One of the things that we supported at
8 SAMSHA is integrated treatment, which would include
9 Federally qualified health centers. The other thing that
10 we would support is the transition from the Criminal
11 Justice System back to the community using medications
12 like Naltrexone, which buys both the addict and the
13 community enough time so that the person can reengage in
14 follow-up treatment.

15 What often happens is the person uses shortly after
16 being discharged from the penal facility and then they
17 overdose, so if we could have Naltrexone administered,
18 the injectable Naltrexone administered prior to discharge
19 from those facilities, we would have at least a month's
20 time to engage in a Federally qualified community health
21 center or substance abuse treatment program or an opioid
22 treatment program that would be using Naltrexone to help
23 facilitate reentry into the community.

24 Senator Markey. Thank you.

25 May I continue?

1 Co-Chairman Feinstein. You go ahead.

2 Senator Markey. Please. Thank you, Madam Chair.

3 Dr. Volkow, I'm kind of surprised at how remarkable
4 it is that we have so few medications available to treat
5 addiction. I'm concerned that our desire to find
6 treatments that completely eliminate drug use may keep us
7 from finding treatments that will reduce drug use or
8 reduce the harms associated with drug use, harms like
9 incarceration, family instability, difficulties holding a
10 job. What do you think is needed to further the
11 development of treatments that reduce drug use or related
12 harms?

13 Dr. Volkow. Well, it's unfortunately a paradoxical
14 situation because we have a disease that has a tremendous
15 impact in terms of morbidity and mortality. The science
16 has identified several potential targets that, if
17 developed, could be beneficial for the treatment. And
18 yes, we do not have the interest from the pharmaceutical
19 industry in developing medications for a series of
20 reasons that have been delineated in a study done by the
21 Institute of Medicine.

22 One of the recommendations is help to incentivize
23 the pharmaceutical industry in order for them to invest
24 in the development of medications. The targets are there
25 and you have a condition that actually is chronic, so one

1 of the arguments that they would not be able to recover
2 their investment is not even correct. The Institute of
3 Medicine went further because they actually identified
4 ways that the government could incentivize
5 pharmaceuticals without it costing a single dollar to the
6 government, but they have not been implemented.

7 Senator Markey. If I may just ask one final
8 question. Of all of the prescription opioid painkillers
9 prescribed in the world of 6 billion people, 90 percent
10 of them are prescribed in the United States. Four
11 percent of the population of the world has 90 percent of
12 the prescription opioid painkillers.

13 So what does that tell us about the United States?
14 What does it tell us about our society?

15 Dr. Volkow. I think that the numbers speak for
16 themselves. I don't think that we can argue that we have
17 much more severe chronic pain than other countries. I
18 think that the numbers are telling of something very
19 clear: we are over-prescribing, while at the same time it
20 does not negate that we are not necessarily properly
21 treating patients that suffer with chronic pain.

22 Senator Markey. Yes. So I thank each of them for
23 their tremendous service. But at the end of the day
24 there is one thing we can do, and that is pass a Good
25 Samaritan law. I think thousands of people's lives would

1 be saved immediately across the country because people
2 would not be afraid then to just inject someone or to
3 give them the help that they need for fear that they'd be
4 sued if something went awry. But we know that most
5 people would just thank God that the fear is gone.

6 I think firefighters across the country, policemen
7 across the country, they would all be more willing just
8 to rush in and just apply, because if you do it in a
9 timely fashion you've saved a life. Then you need to
10 deal afterwards with what happens to the person. Do you
11 have a bed for them? Do you have the treatment for them?

12 But at least you've kept them alive. Then we have a
13 responsibility subsequently. We don't have either right
14 now, and until we put both in place I think this problem
15 is just going to continue to escalate.

16 Thank you, Madam Chair.

17 Co-Chairman Feinstein. Thanks, Senator Markey.

18 Just in conclusion, three things jumped to me, and
19 of course that's the pill mill that exists. What
20 proportion of the problem is the pill mill?

21 Mr. Rannazzisi. We always say that 99 percent, 99-
22 plus percent of the practitioners that are prescribing,
23 the doctors, are doing a great job doing what they do.
24 But that very small percentage of doctors that have
25 crossed the line are truly hurting a lot of people.

1 I can't give you a percentage because I just don't
2 know what that number is, but what I do know is if you
3 have a rogue pain clinic in your community you're going
4 to see an overdose increase, you're going to see the
5 general problems that you get with any other type of
6 open-air drug activity. And it is open-air drug activity.

7 Co-Chairman Feinstein. Now, we talked about
8 medical education programs proceeding. Should this be
9 done through the AMA, should it be done through the State
10 Medical Associations? Any opinion on that, Doctor?

11 Dr. Kolodny. Yes. Sure. If I could also just
12 quickly answer about pill mills.

13 Co-Chairman Feinstein. Sure.

14 Dr. Kolodny. It is important to recognize -- I
15 think of course we have to close down pill mills. They
16 account for a very large number of the overdose deaths.
17 But in terms of the overall strategy for controlling this
18 problem, the people who go to pill mills are usually --
19 either they're addicted, already addicted, or they're
20 drug dealers, or could be a little bit of both.

21 So you could shut down all of the pill mills and it
22 won't get at the problem of creating new people with
23 cases of addiction. That's where doctors who mean well
24 are more of a problem, or dentists who give a teenager 30
25 pills when they needed one or two. It kind of takes us

1 to the question that you were asking about medical
2 education.

3 If we want dentists to give one or two pills instead
4 of 30, if we want doctors to recognize that these are not
5 good treatments for headache, fibromyalgia, and low back
6 pain, they would need very good information on this.
7 Unfortunately, the bulk of the education on this topic
8 right now is not teaching doctors that using these
9 medicines long term is a bad idea.

10 The CDC has put out educational programs like that,
11 but it's a minority of what's out there. The bulk of the
12 education is really telling doctors that if you follow
13 certain rules when you prescribe, it'll all turn out rosy
14 in the end. If you use a PDMP, if you check a urine,
15 that somehow that patient won't wind up addicted.

16 Close monitoring is a prudent thing to do for the
17 people who are on this treatment, but it doesn't turn it
18 into something that's safe. These strategies don't
19 prevent addiction, so really the education needs to be
20 that these are not good treatments for most people with
21 chronic pain.

22 Co-Chairman Feinstein. Okay. Do you think we
23 should mandate the States to mandate that medical
24 programs, essentially to mandate physicians licensed to
25 use drug monitoring programs?

1 Dr. Kolodny. Yes, I absolutely do. I think that
2 New York, Tennessee, and Kentucky did that and use went
3 way up. In States that don't require a prescriber to
4 consult the database before writing a prescription, very
5 few doctors look at the database. A doctor thinks they
6 know what an addict looks like. They think they know
7 what somebody with this disease looks like, and they
8 don't.

9 Co-Chairman Feinstein. Well, thank you very much,
10 everybody. I think it was a very good hearing. We've
11 got some very good notes and food for thought. So, thank
12 you very much. It is appreciated.

13 The hearing is adjourned.

14 [Whereupon, at 4:13 p.m. the hearing was adjourned.]

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