The Opioid Epidemic
Overview and a Look to the Future

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Christopher M. Jones PharmD, MPH
Senior Advisor
Office of Public Health Strategy and Analysis
Office of the Commissioner
Food and Drug Administration
Overview

• Trends
• Emerging Successes
• Federal Initiatives
  – Prescribing
  – Medication assisted treatment
  – Naloxone
ABUSE AND OVERDOSE TRENDS
Past Month Nonmedical Use of Prescription Drugs, US, 2002-2013

Source: Substance Abuse and Mental Health Services Administration, NSDUH 2013
Past Year Abuse or Dependence, US, 2002-2013

Source: Substance Abuse and Mental Health Services Administration, NSDUH 2013
Drug Overdose Deaths, US, 1999-2013

Source: Centers for Disease Control and Prevention, NVSS, 2013
**Rx Opioid Overdose Deaths, Sales and Treatment Admissions, US, 1999-2011**

Rx Opioid Prescribing Rates by State, US, 2012

Some states have more painkiller prescriptions per person than others.

Source: CDC Vital Signs, 2014
Rx Opioid Dose and Risk of Overdose Death

Figure 3. Association of Mean Daily Dosage of Opioid Analgesics With Risk of Unintentional Opioid-Related Overdose Death

Reference was patients receiving a mean of less than 20 morphine milligram equivalents (MMEs) per year. Error bars indicate 95% CIs.

Source: Baumblatt et al., High-risk use by patients prescribed opioids for pain and its role in overdose deaths. JAMA IM. 2014;174:796-801.
Source of Nonmedically Used Rx Opioids by Frequency of Use, US, 2008-2011

Rx Opioid, Benzodiazepine, and Psychostimulant Prescribing, US, 2010-2014

Source: IMS Health, National Prescription Audit, Data extracted 6/1/2015
Rx Opioid Prescribing by Medical Specialty, US, 2007-2012

Rx Opioid and Heroin-Related Overdose Deaths
United States, 1999-2013

Source: CDC/NCHS NVSS Multiple Cause of Death Files 1999-2014.
Past Year Heroin Use by Past Year Rx Opioid Nonmedical Use
US, 2002-2004 and 2008-2010

Number of past year users among persons ≥12 years old (numbers in thousands)

- Overall Past Year Heroin Use
- No Past Year NMU Opioids
- 1-29 Days Past Year NMU Opioids
- 30-99 Days Past Year NMU Opioids
- 100-365 Days Past Year NMU Opioids

2002-2004
- 379
- 176
- 58
- 46
- 99

2008-2010
- 588
- 171
- 115
- 100
- 202

Past Year Heroin Use Incidence Rate Among People Aged 12 to 49 at Risk for Heroin Initiation, US, 2002-2011

Source: Muhuri et al., Associations of Nonmedical Pain Reliever Use and Initiation of Heroin Use in the United States. SAMHSA, 2013
FEDERAL INITIATIVES
HHS Activities
Behavioral Health Coordinating Committee
Prescription Drug Abuse Subcommittee

- Surveillance
- Drug Abuse Prevention
- Patient and Public Education
- Provider Education

- Clinical practice tools
- Regulatory and Oversight Activities
- Drug Abuse Treatment
- Overdose Prevention
HHS Secretary’s Initiative

• Improve opioid prescribing
• Increase use of naloxone to reverse opioid overdose
• Expand use of Medication-Assisted Treatment (MAT) for opioid use disorders
Improve opioid prescribing

• Opioid prescribing guidelines
• EHR clinical decision support
• Educational opportunities
  – FDA ER/LA Opioid Analgesic REMS
  – NIDAMED and Centers of Excellence in Pain Education
• Funding and Technical Assistance to enhance PDMPs
• CDC Prevention for States funding
Increase use of naloxone

- July 1-2 public meeting on naloxone
- FDA and NIDA support to facilitate development of new formulations of naloxone
  - Evzio approval April 2014
- NIDA supported research to optimize development and delivery of overdose education and naloxone distribution programs
- Funding for communities and other entities to support purchase and use of naloxone
Expand access to and use of MAT

- NIDA supported research to optimize MAT implementation and delivery
- FDA expedited review programs to incentivize development of addiction treatments
- SAMHSA grants to states to support uptake of MAT
- Continued oversight and provision of technical assistance on MAT
EMERGING SUCCESSES
Washington State

• Multi-faceted approach
  – State-wide chronic pain and ED guidelines, PDMP, Medicaid innovations, Patient Review and Coordination program, etc.
• Decline in opioid overdose death rate since 2008
• Decline in opioid hospitalizations for first time in 2012

Florida

- Multi-faceted approach targeting inappropriate prescribing and use behaviors
  - Pill mill law, PDMP, prohibit dispensing of controlled substances from MD office, aggressive action against illegal prescribing
- 27% decline in opioid overdose death rate between 2010 and 2012
- 28.4% decline in benzodiazepine overdose death rate during same time period
- Reductions paralleled declines in prescribing

Other States

• KY, TN, NY
  – Required mandatory PDMP checks before prescribing certain controlled prescription drugs
  – Initial results are positive
    • KY: 8.5% decline in doses of controlled substances
    • TN: 7% decline in opioid Rxs, 6% decline in MMEs, 36% decline in multiple provider episodes
    • NY: 9.5% decline in opioid Rxs, 75% decline in multiple provider episodes

• Oregon
  – Declines in rx opioid overdose deaths that coincided with declines in opioid prescribing after multi-pronged approach

Conclusions

• Prescription opioid abuse is a significant public health issue in the U.S.
• Some successes are emerging – states continue to be leaders on this issue
• Federal government response must compliment and support response by state and local governments, healthcare community, and the public
Questions?

Christopher.M.Jones@fda.hhs.gov

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