Opioid Overview

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SUBSTANCE ABUSE MORTALITY
CDC STATISTICS, AUGUST 2018

NUMBERS

- Jan 2017 – Jan 2018
  - Drug overdose deaths: 71,568
  - Opioid deaths: 48,612
  - Drug overdose deaths increased 6.6% from previous year
  - Opioid overdose deaths increased 8.5% from previous year

- June 14, 2018 (CDC YRBS):
  - 1 in 7 US High School students report misusing opioids
OVERDOSE MORTALITY BY DRUG CLASS (August 2018)
STATE COMPARISONS (CDC, August 2018)

Figure 1b. Percent Change in Predicted 12 Month-ending Count of Drug Overdose Deaths, by Jurisdiction: January 2017 to January 2018

Percent Change for United States

6.6

US OVERDOSE DEATHS (1999 -2017) COMPARED TO COMBAT DEATHS
PROPORTION OF DEATHS RELATED TO OPIOIDS BY AGE GROUP

“The Burden of Opioid-Related Mortality in the United States”

June 2018
OVERDOSE MORTALITY BY CLASS OF DRUG
ADAPTED FROM CDC STATISTICS, MAY 16, 2018

# Deaths for the 12 Months Ending in October of Indicated Year

<table>
<thead>
<tr>
<th></th>
<th>Heroin</th>
<th>Nat &amp; Semi – Synthetic</th>
<th>Methadone</th>
<th>Synthetic Opioids</th>
<th>Cocaine</th>
<th>Psycho-stimulants</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 2016</td>
<td>14,984</td>
<td>14,072</td>
<td>3,343</td>
<td>17,027</td>
<td>9,639</td>
<td>7,197</td>
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<tr>
<td>October 2017</td>
<td>15,326</td>
<td>14,279</td>
<td>3,082</td>
<td>26,760</td>
<td>13,209</td>
<td>9,744</td>
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<tr>
<td>% Increase</td>
<td>2.2%</td>
<td>1.5%</td>
<td>-7.8%</td>
<td>57.2%</td>
<td>37.0%</td>
<td>35.7%</td>
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</tbody>
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CRITICAL ROLE OF LAW ENFORCEMENT
CURBING ILLICIT IMPORTATION

Inside a truck in Nebraska, troopers found enough fentanyl to kill millions of people

- State troopers seized 118 pounds of fentanyl
- That amount of fentanyl would contain enough lethal doses to potentially kill more than 26 million people
- Largest fentanyl seizure in state history and one of the largest in the United States

Nebraska State Patrol, courtesy
Teen charged in largest-ever seizure of fentanyl pills at U.S. border

- Suspect drove across the border with 11,500 pills of fentanyl, 61 pounds of methamphetamine, 14 pounds of heroin.
- Officers discovered two bags and a box, each filled with fentanyl pills designed to resemble oxycodone.
- A deadly masquerade
  - Oxycodone = 1.5X Morphine
  - Fentanyl = 50-100X Morphine
In 2015, the economic cost of the opioid crisis was $504 billion

“previous estimates of the economic cost of the opioid crisis greatly understate it by undervaluing the most important component of the loss—fatalities resulting from overdoses”
INFECTIOUS CONSEQUENCES OF THE OPIOID EPIDEMIC

- HIV
- Hepatitis B
- Hepatitis C
- Endocarditis
- Skin, bone, and joint infections

National Academies Workshop
Sponsored by OASH, Report July 2018
ACUTE HEPATITIS C INFECTIONS SOAR
2010-2016: 233% Increase

Source: CDC, National Notifiable Diseases Surveillance System (NNDSS)
NUMBER OF BABIES BORN WITH NAS (US)

Outcomes in the fetus
- Growth restriction
- Prematurity
- Death

Outcomes in the Newborn
- Low birthweight
- Small head circumference
- Neonatal abstinence syndrome

Outcomes in the Child
- Developmental disorders

Source: AHRQ HCUP State Inpatient Databases

McQueen, NEJM 2016
OPIOIDS: HHS FIVE POINT STRATEGY

1. Strengthen public health data reporting and collection
2. Advance the practice of pain management to decrease the inappropriate use of opioids
3. Improve access to prevention, treatment, and recovery services
4. Enhance the availability of overdose-reversing medications
5. Support cutting-edge research on pain and addiction, leads to new treatments, and identifies effective public health interventions
Recent HHS Actions to Address the Opioid Crisis (1)

• On August 6, 2018, FDA issued new scientific recommendations aimed at encouraging more widespread innovation and development of novel medication-assisted treatment (MAT) drugs for the treatment of opioid use disorder (OUD). The draft guidance outlines new ways for drug developers to consider measuring and demonstrating the effectiveness and benefits of new or existing MAT products.

• On July 11, CMS granted New Hampshire a waiver to expand substance use disorder treatment capacity.

• On June 21, 2018, SAMHSA announced the availability of $50 million for federally recognized tribes and tribal organizations to address the opioid crisis.

• CDC announced the Opioid Overdose Crisis Cooperative Agreement Supplemental Guidance which will provide $182 million to states and cities to address the opioid crisis.
Recent HHS Actions to Address the Opioid Crisis (2)

• HHS released fact sheets on 42 CFR Part 2 help entities know when these privacy regulations apply and to remove barriers to treatment.

• HHS hosted the first meeting of the Pain Management Best Practices Inter-Agency Task Force.

• CMS released an Informational Bulletin that provides states with information on designing approaches to cover critical treatment services for Medicaid eligible infants with Neonatal Abstinence Syndrome (NAS). Additionally, CMS issued a letter to states on how they may best use federal funding to enhance Medicaid technology to combat drug addiction and the opioid crisis.

• On June 14, 2018, FDA approved first generic Suboxone sublingual film (applied under the tongue) for the treatment of opioid dependence.
US OPIOID PRESCRIPTIONS  (MONTHLY, DOWN 24%)

Source: IQVIA National Prescription Audit
US BUPRENORPHINE AND NALTREXONE PRESCRIPTIONS (MONTHLY, UP 145%)

Source: IQVIA National Prescription Audit
US NALOXONE PRESCRIPTIONS (MONTHLY, UP 5400%)

Source: IQVIA National Prescription Audit
EVIDENCE BASED INTERVENTIONS

- Targeted Naloxone Distribution
- Medication Assisted Treatment (MAT), including Initiation in of Medication Assisted Treatment in the Emergency Department
- “Detailing” to Prescribers and Pharmacists
- 911 Good Samaritan Laws
- Testing for Fentanyl in Routine Toxicology Testing
- Focus on Criminal Justice Settings: Naloxone and MAT
- Syringe Services Programs
PRESIDENT’S FY2019 BUDGET: OPIOIDS FUNDING

- $150M Reducing Injection Drug Use, HIV/AIDS, and Hepatitis C
- $1B State Targeted Response Grants
- $150M Rural Health Addressing Substance Abuse and OUD
- $544M Community Health Centers
- $300M CDC Surveillance Including Infectious Diseases
- $860M Pain and OUD Research including Regulatory Science

Numerous new programs, regulations, guidance from HHS to combat the opioid epidemic and improve patient outcomes holistically.
HHS OUD-RELATED INITIATIVES IN DEVELOPMENT

• Integrating programs across the USG to substantially impact SUD, overdoses, and deaths in highly stricken communities
• Addressing barriers to SUD treatment and recovery in rural communities
• Assuring adequate pain management for special needs patient populations (cancer, sickle cell disease, other debilitating conditions)
• Expanding the current CDC guidelines to include specific recommendations for certain conditions or medical procedures
• Transforming the US healthcare workforce to meet behavioral health needs across the spectrum (SUD, Alcohol, Smoking, Health Behaviors)
OVERDOSE MORTALITY (Based on CDC Predicted Values, Preliminary)
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