Alabama Medicaid
Opioid Prescribing Trends and Outcomes

The Opioid Crisis in Alabama: From Silos to Solutions
March 10, 2017

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CHIEF MEDICAL OFFICER
ALABAMA MEDICAID AGENCY
Medicaid Opioid Prescribing Trends

Members Prescribed a Full Agonist Opioid
CY 2011 to CY 2016

Percentage of Members Receiving a Prescription in CY 2016

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<td>19-44</td>
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MEDICAID OPIOID PRESCRIBING TRENDS: FY 2011- FY 2016

Change in Opioid Prescribing
FY 2011 to FY 2016

- Avg Daily MMEs - Overall
- Avg Daily MMEs – Full Agonists
- Unique Annual Recipients
- Avg Monthly Recipients
- Avg Monthly Quantity Dispensed

Percent Change from FY 2011

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Medicaid Opioid Spending Trends
MEDICAID OPIOID DRUG SPEND: FY 2011 – FY 2016 (IN MILLIONS)

**FY 2016**

- **Antagonists**
  - Avg. Per Day Supplied: $1.79
  - Recipients: 384
  - Avg. Per Recipient: $200

- **Partial Agonist**
  - Avg. Per Day Supplied: $9.16
  - Members: 3,286
  - Avg. Per Recipient: $1,640

- **Full Agonist**
  - Avg. Per Day Supplied: $1.38
  - Recipients: 135,279
  - Avg. Per Recipient: $68

**FY 2011**

- **Antagonists**
  - Avg. Per Day Supplied: $4.19
  - Recipients: 168
  - Avg. Per Recipient: $681

- **Partial Agonist**
  - Avg. Per Day Supplied: $7.66
  - Members: 1,234
  - Avg. Per Recipient: $966

- **Full Agonist**
  - Avg. Per Day Supplied: $1.10
  - Recipients: 146,080
  - Avg. Per Recipient: $59

Total federal and state spend:
- **FY 2016**: $14.6 million
- **FY 2011**: $9.9 million
Alabama Medicaid Agency

Effect of Drug Dependency on Average Annual Claims Cost Per Member: CY 2015

1. Drug Abuse diagnosis excludes alcohol and tobacco
2. Members excluded: 1) Plan First (birth control); 2) Lifetime cancer diagnosis; 3) Lifetime sickle cell anemia diagnosis; 4) Mothers giving birth during the year; and 5) Dually eligible for Medicare and Medicaid
Case Presentations
CASE PRESENTATION
NEONATAL ABSTINENCE SYNDROME (NAS)

NAS results from maternal use of opioids during pregnancy

Average length of stay in the NICU is 23 days

Average cost of a NAS delivery is 8x higher than a normal delivery

Mother's Exposure to Opioids During Pregnancy
Medicaid Claims Only: CY 2015

PDMP data currently not accessible to identify non-Medicaid opioid prescriptions
Case Presentation: Dental Opioids
Percentage of Medicaid Children Ages 13-18 Prescribed an Opioid during Calendar Year 2016 for Any Reason*

Prescribing varies by geographic region

Top 10 Counties:
1. Fayette 25%
2. Bibb 24%
3. Winston 24%
4. Lamar 24%
5. Colbert 23%
6. Hale 23%
7. Geneva 22%
8. Cherokee 22%
9. Walker 22%
10. Clay 22%

Prescribing Source:
- Oral Surgeons 33%
- Dentists 18%
- Other Providers 49%

* Based on address of member
Case Presentation: Dental Opioids

- Legitimate opioid use before high school graduation is independently associated with a 33% increase in the risk of future opioid misuse after high school. This association is concentrated among individuals who have little to no history of drug use and, as well, strong disapproval of illegal drug use at baseline.

  - Monitoring the Future Study National Survey Results on Drug Use, January 2017

- Students source of opioids – 88% come from self, friends or family members

  - Monitoring the Future Study National Survey Results on Drug Use, January 2017

- Oral surgeons and dentists are the primary prescribers of opioids to teenagers

  - AMA claims data

- ADA recommends using non-Opioids as the first-line therapy for acute pain management

  - Journal of American Dental Association, August 2016

- In FY 2016: AMA children ages 13-18 prescribed by an oral surgeon

  - 95% received an opioid
  - 20% received a nonsteroidal anti-inflammatory drug (NSAID)
  - 0% Acetaminophen only

  - AMA claims data
Probability of Continued Opioid Usage Based on Number of Days in Initial Opioid Prescription

Source: “Reducing acute/subacute opioid prescribing” - MED Opioid Workshop November 2, 2016
Gary M. Franklin, MD, MPH  Research Professor Departments of Environmental Health, Neurology, and Health Services University of Washington
Medical Director Washington State of Department of Labor and Industries
Questions