Colorado Drug Trends

May 23, 2014

Rebecca S. Helfand, Ph.D., Evaluation Manager
Caveats

- Focus: Marijuana, Prescription Opioids, Heroin
- Data based on treatment admissions, not unique clients
- Treatment admissions for OBH licensed facilities only
- Information based on Primary Drug only
- Indicators vary by time periods as noted
Indicators

- Treatment Admits – DACODS
- Hospital Discharges – CDPHE
- Drug-Related Mortality – CDPHE
- Prescription Drug Monitoring Program – DORA/Pharmacy Board
- NSDUH – Center for Behavioral Health Statistics and Quality, SAMHSA
Drug-related Hospital Discharge Rates
Colorado Residents 2007-2012

Source: Colorado Department of Public Health and Environment
Drug-Related Death Rates
Colorado Residents 2007-2012

Colorado Drug Deaths Per 100k
2007-2011

Source: Colorado Department of Public Health and Environment
Treatment Admissions
Calendar Year 2013

- Alcohol – 40%
- Marijuana – 18%
- Methamphetamine – 17%
- Heroin – 10%
- Prescription Opioids – 7%
- Cocaine – 5%
- Other – 2%

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
## Illicit Drug Users Across Colorado

<table>
<thead>
<tr>
<th>Region</th>
<th>CO Population</th>
<th>Marijuana</th>
<th>Cocaine</th>
<th>Meth</th>
<th>Heroin</th>
<th>Rx Opioids</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeast</td>
<td>13.0%</td>
<td>18.3%</td>
<td>9.9%</td>
<td>25.9%</td>
<td>8.7%</td>
<td>14.9%</td>
</tr>
<tr>
<td>Denver / Boulder</td>
<td>56.0%</td>
<td>43.4%</td>
<td>60.5%</td>
<td>32.9%</td>
<td>62.0%</td>
<td>39.2%</td>
</tr>
<tr>
<td>South Central</td>
<td>14.0%</td>
<td>18.7%</td>
<td>10.9%</td>
<td>21.4%</td>
<td>15.7%</td>
<td>13.7%</td>
</tr>
<tr>
<td>Southeast</td>
<td>6.0%</td>
<td>10.7%</td>
<td>15.2%</td>
<td>9.0%</td>
<td>10.1%</td>
<td>25.5%</td>
</tr>
<tr>
<td>Southwest</td>
<td>4.0%</td>
<td>2.1%</td>
<td>.5%</td>
<td>3.6%</td>
<td>.5%</td>
<td>1.7%</td>
</tr>
<tr>
<td>Northwest</td>
<td>7.0%</td>
<td>6.9%</td>
<td>3.0%</td>
<td>7.2%</td>
<td>2.9%</td>
<td>5.0%</td>
</tr>
</tbody>
</table>

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
First-Time Treatment Admissions Age 17 and Under

**Percent by Drug**

- Cocaine
- Methamphetamine
- Heroin
- Rx Opioids
- Marijuana

**Excluding Marijuana**

- Cocaine
- Methamphetamine
- Heroin
- Rx Opioids

**SOURCE:** Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Treatment Admissions by Major Drug (including alcohol)
Marijuana January 2008 – December 2013

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Marijuana Admissions
By Gender and Race

**Marijuana by Gender**

- **2008**: Male 90%, Female 10%
- **2009**: Male 89%, Female 11%
- **2010**: Male 88%, Female 12%
- **2011**: Male 87%, Female 13%
- **2012**: Male 86%, Female 14%
- **2013**: Male 85%, Female 15%

**Marijuana by Race**

- **White**
  - 2008: 52.9%
  - 2009: 52.9%
  - 2010: 52.7%
  - 2011: 52.7%
  - 2012: 54.5%
  - 2013: 56.4%

- **Black**
  - 2008: 12.5%
  - 2009: 12.4%
  - 2010: 10.9%
  - 2011: 11.4%
  - 2012: 11.4%
  - 2013: 11.1%

- **Hispanic/Latino**
  - 2008: 30.1%
  - 2009: 30.7%
  - 2010: 31.1%
  - 2011: 31.1%
  - 2012: 30.1%
  - 2013: 28.8%

**SOURCE**: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Marijuana by Age

SOURCES: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Marijuana Summary

- Drug of choice for drug users under 17 years old
- Most users seeking treatment are under 25 years old
- Slight downward trend from 2008-2013, but not statistically significant
Treatment Admissions by Major Drug (including alcohol)

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Non-Medical Prescription Opioids
By Gender and Race

**Prescription Opioids by Gender**

<table>
<thead>
<tr>
<th>Year</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Prescription Opioids by Race**

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Black</th>
<th>Latino</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>81.0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>80.1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>79.3%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>76.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>74.1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>72.2%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SOURCE:** Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Non-Medical Prescription Opioids
Age of First Use and Treatment

Prescription Opioid Age First Treatment and First Use

<table>
<thead>
<tr>
<th>Year</th>
<th>Age First Tx</th>
<th>Age First Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>32.58</td>
<td>25.55</td>
</tr>
<tr>
<td>2009</td>
<td>32.63</td>
<td>24.88</td>
</tr>
<tr>
<td>2010</td>
<td>31.17</td>
<td>24.17</td>
</tr>
<tr>
<td>2011</td>
<td>30.74</td>
<td>23.66</td>
</tr>
<tr>
<td>2012</td>
<td>31.39</td>
<td>24.03</td>
</tr>
<tr>
<td>2013</td>
<td>31.79</td>
<td>24.24</td>
</tr>
</tbody>
</table>

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Non-medical Prescription Opioid by Age

Prescription Opioids by Age

SOURCES: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Prescription Drug Monitoring Program (PDMP) Statewide Data

Prescriptions Dispensed in Colorado

SOURCE: Prescription Drug Monitoring Program (PDMP), Colorado Department of Regulatory Agencies, Division of Registrations, Board of Pharmacy
Non-medical Prescription Opioid Summary

- Colorado Decreased from #2 in the nation (2010/2011) to #16 (2011/2012)
- Age of first use and first treatment is decreasing
- 25-34 year olds make up largest group of users
- Percent of users under 17 years old more than doubled from 2008-2011
  - Decreasing trend for 2012 & 2013 but still nearly double 2008 numbers
Treatment Admissions by Major Drug (including alcohol)
Heroin January 2008 – December 2013

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Heroin
By Gender and Race

Heroin by Gender

Heroin by Race

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Heroin Age of First Use and Treatment

Heroin Age First Treatment and First Use

<table>
<thead>
<tr>
<th>Year</th>
<th>Age First Tx</th>
<th>Age First Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>32.39</td>
<td>24.11</td>
</tr>
<tr>
<td>2009</td>
<td>31.12</td>
<td>22.98</td>
</tr>
<tr>
<td>2010</td>
<td>29.79</td>
<td>22.44</td>
</tr>
<tr>
<td>2011</td>
<td>28.83</td>
<td>21.86</td>
</tr>
<tr>
<td>2012</td>
<td>27.97</td>
<td>21.97</td>
</tr>
<tr>
<td>2013</td>
<td>27.89</td>
<td>21.99</td>
</tr>
</tbody>
</table>

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Heroin Route of Use

<table>
<thead>
<tr>
<th>Year</th>
<th>Smoking</th>
<th>Inhalation</th>
<th>Injection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>11.8%</td>
<td>6.4%</td>
<td>79.4%</td>
</tr>
<tr>
<td>2009</td>
<td>14.0%</td>
<td>5.8%</td>
<td>76.8%</td>
</tr>
<tr>
<td>2010</td>
<td>14.5%</td>
<td>5.1%</td>
<td>77.5%</td>
</tr>
<tr>
<td>2011</td>
<td>15.0%</td>
<td>4.2%</td>
<td>77.3%</td>
</tr>
<tr>
<td>2012</td>
<td>19.3%</td>
<td>4.5%</td>
<td>73.6%</td>
</tr>
<tr>
<td>2013</td>
<td>20.7%</td>
<td>3.6%</td>
<td>73.8%</td>
</tr>
</tbody>
</table>

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Heroin by Age

SOURCES: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Heroin Summary

- 27% increase in use among 18-24 year olds since 2008
- Heroin use increasing slightly from 2008 to 2013
- Slight increase in use among people 17 and under
- Number of female users increasing
- Number of Latino users increasing
Treatment Admissions by Major Drug (including alcohol)
Cocaine January 2008 – December 2013

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Cocaine
By Gender and Race

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Cocaine
Age of First Use and Treatment

Cocaine Age First Treatment and First Use

<table>
<thead>
<tr>
<th>Year</th>
<th>Age First Tx</th>
<th>Age First Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>34.77</td>
<td>23.03</td>
</tr>
<tr>
<td>2009</td>
<td>35.73</td>
<td>23.15</td>
</tr>
<tr>
<td>2010</td>
<td>35.63</td>
<td>21.81</td>
</tr>
<tr>
<td>2011</td>
<td>36.73</td>
<td>22.63</td>
</tr>
<tr>
<td>2012</td>
<td>37.38</td>
<td>22.39</td>
</tr>
<tr>
<td>2013</td>
<td>37.38</td>
<td>22.21</td>
</tr>
</tbody>
</table>

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Cocaine Route of Use

SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Cocaine by Age

SOURCEs: Drug/Alcohol Coordinated Data System (DACODS), Division of Behavioral Health (DBH), Colorado Department of Human Services (CDHS)
Cocaine Summary

- Decreasing trend since 2008
- High proportion of female users
- Use distributed evenly among races
- Increasing trend among 45+ year old users is leveling off 2012-2013
Overall Summary

- Non-medicinal use of prescription pain medications significantly decreased from 2011/2012 in NSDUH data
- Number of people seeking treatment for marijuana is steady
- 27% increase in Heroin use among 18-24 year olds since 2008
- Slight increase in Heroin use among people 17 and under