Deaths from Drug/Alcohol Overdose
Final Data 2016

Public Behavioral Health System (PBHS)
2015-2016 Service Utilization
And OMS Interviews
Overdose Deaths in Maryland

- Total Deaths With Drug Overdose Involvement
  - 2012: 799
  - 2013: 858 (7.4% increase)
  - 2014: 1,041 (21.3% increase)
  - 2015: 1,259 (20.9% increase)
  - 2016: 2,089 (66.0% increase)

(Excludes deaths identified as suicides or homicides)
Maryland Compared to USA

• Age Adjusted Overdose Related Death Rates
  – Latest data available: 2015
  – Maryland Rate: 20.9 deaths per 100,000
  – Ranked 38th of 50 states and DC
  – 2015 range
    • 6.9 per 100,000-Nevada
    • 41.5 per 100,000-West Virginia
Decedent Demographics

**Age At Death**
- Under 25: 20.5%
- 25 to 34: 7.7%
- 35 to 44: 26.3%
- 45 to 54: 25.1%
- Over 54: 20.3%

**Decedent Gender**
- Female: 72%
- Male: 28%
Decedent Demographics

**Decedent Race**
- White: 64.5%
- Black/Afr.Amer.: 31.3%
- Other: 4.2%

**Decedent Residence**
- Maryland: 93%
- Out-of-State: 6%
- Unknown: 1%
Drugs Involved In Deaths

1. Deaths may involve multiple substances and may be included in more than one category.
2. Benzodiazepines includes related drugs with similar sedative effects.
SUBSTANCE USE SERVICE HISTORY

LEVELS 1, 2.1, 2.5, OMT, RECOVERY NET
2015 AND 2016
Decedents with SRD
2015-2016 Treatment History

- 75.3% In SRD Treatment/Support
- 24.7% Not in SRD Treatment/Support
Days Between Last 2015-2016 SRD Service and Death

- 7 days or fewer: 24.5%
- 8 to 30 days: 21.0%
- 31 to 90 days: 20.6%
- 91 to 180 days: 17.1%
- More than 181 days: 16.9%
Number of 2015-2016 SRD Claims Paid on Behalf of Decedents

- 5 or fewer: 15.1%
- 6 to 10: 32.0%
- 11 to 20: 15.3%
- 21 to 50: 24.7%
- 50 or more: 12.8%
**Types of SRD Service Used by Decedents**

**Most Recent Service/Used at Any Time**

2015 and 2016

<table>
<thead>
<tr>
<th>Service Type</th>
<th>Most Recent</th>
<th>At any Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPATIENT</td>
<td>152</td>
<td>301</td>
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<tr>
<td>IOP</td>
<td>49</td>
<td>102</td>
</tr>
<tr>
<td>PARTIAL HOSPITAL</td>
<td>16</td>
<td>62</td>
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<tr>
<td>OPIOID MAINTENANCE</td>
<td>41</td>
<td>156</td>
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<tr>
<td>INPATIENT</td>
<td>75</td>
<td>158</td>
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<tr>
<td>EMERGENCY ROOM</td>
<td>26</td>
<td>47</td>
</tr>
<tr>
<td>RECOVERY NET</td>
<td>47</td>
<td>158</td>
</tr>
</tbody>
</table>
MENTAL HEALTH SERVICE USE HISTORY
2015 AND 2016
Decedents with 2015-2016 MH Treatment History

- In MH Treatment/Support: 78.0%
- Not in MH Treatment/Support: 22.0%
Days Between Last 2015-2016 MH Service and Death

- 7 days or fewer: 24.2%
- 8 to 30 days: 24.6%
- 31 to 90 days: 22.2%
- 91 to 180 days: 13.3%
- More than 181 days: 15.7%

Legend:
- 7 days or fewer
- 8 to 30 days
- 31 to 90 days
- 91 to 180 days
- More than 181 days
Number of 2015-2016 MH Claims Paid on Behalf of Decedents

- 5 or fewer: 15.0%
- 6 to 10: 15.9%
- 11 to 20: 18.5%
- 21 to 50: 19.0%
- 50 or more: 31.6%
Types of MH Service Used by Decedents
Most Recent Service/Used at Any Time
2015-2016

- Case Management: 11 (Most Recent), 28 (Any Time)
- Crisis Res: 14
- Inpatient: 2 (Most Recent), 121
- ACT/MobTx: 8 (Most Recent), 11
- Outpatient: 382 (Most Recent), 421 (Any Time)
- Partial Hosp: 2 (Most Recent), 6
- Psych Rehab: 21 (Most Recent), 56
- Residential Rehab: 7 (Most Recent), 16
- Supported Emp: 3 (Most Recent), 5
- Emergency Room: 23 (Most Recent), 25
CLIENTS ACTIVE IN BOTH MH AND SRD TREATMENT/SUPPORT SYSTEMS
Service Contacts for 2016 Decedents
2015 and 2016 Treatment/Support

MH Only, 8.9%
SA Only, 11.6%
Both, 13.1%
Neither, 66.4%
Time Between Most Recent 2015-2016 Service and Death

<table>
<thead>
<tr>
<th>Time</th>
<th>MH Only</th>
<th>SRD Only</th>
<th>Both</th>
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</thead>
<tbody>
<tr>
<td>7 Days or less</td>
<td>19.9%</td>
<td>26.9%</td>
<td>42.9%</td>
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<tr>
<td>8 to 30 days</td>
<td>18.2%</td>
<td>24.2%</td>
<td>31.2%</td>
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<tr>
<td>31 to 90 days</td>
<td>19.9%</td>
<td>20.2%</td>
<td>19.9%</td>
</tr>
<tr>
<td>181 days or more</td>
<td>29.0%</td>
<td>34.7%</td>
<td>14.3%</td>
</tr>
</tbody>
</table>

- MH Only
- SRD Only
- Both
OUTCOMES MEASUREMENT SYSTEM (OMS)
CY 2015 AND 2016
2016 Decedents with OMS by Type
2015 and 2016 Interviews Only

- MH Only: 82%
- SRD Only: 4%
- Both: 3%
- Neither: 11%

Legend:
- MH Only
- SRD Only
- Both
- Neither
Number of Interviews
2015 and 2016 Interviews Only

Percentages of Decedents by Number of OMS Interviews

Number of Interviews by Participant Type

MH Only
SRD Only
Both

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

1 2 3 4 or more
Days between Death and Most Recent OMS Interview
2015 and 2016 Interviews Only

All OMS Decedents

- 30 days or fewer: 20.3%
- 31 to 90 days: 23.5%
- 91 to 180 days: 30.6%
- 181 to 365 days: 15.6%
- More than 1 year: 10.0%

Time Between Death and Most Recent OMS Interview

- MH Only
- SRD Only
- Both

- 30 days or fewer: 8% (MH), 9% (SRD), 5% (Both)
- 31 to 90 days: 11% (MH), 19% (SRD), 17% (Both)
- 91 to 180 days: 25% (MH), 21% (SRD), 21% (Both)
- 181 to 365 days: 35% (MH), 34% (SRD), 19% (Both)
- More than 1 year: 35% (MH), 21% (SRD), 17% (Both)