Opioid Surveillance
2017 Summary
Kent County Opioid Surveillance

Medical Examiner
Source: Kent County Medical Examiner
Medical Examiner data are current as of July 11, 2018

- 156 total drug overdose deaths
  - 125 deaths (80%) were opioid-related
  - Average age: 40 years
  - Median age: 37 years
  - 24 deaths involved heroin without the presence of fentanyl
  - 38 deaths involved fentanyl without the presence of heroin
  - 29 deaths involved heroin and fentanyl
  - 1 death involved carfentanil
  - 1 death involved Mitragynine (Kratom) and was classified as opioid-related

Table 1: Opioid-related Overdose Deaths by Month, Kent County 2017

<table>
<thead>
<tr>
<th></th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>15</td>
<td>9</td>
<td>5</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>12</td>
<td>12</td>
<td>10</td>
<td>11</td>
<td>18</td>
<td>125</td>
</tr>
</tbody>
</table>

Source: Kent County Medical Examiner Records 2017

Table 2: Opioid-related Overdose Deaths by Demographic Characteristics, Kent County, 2017

<table>
<thead>
<tr>
<th>Sex</th>
<th>Number</th>
<th>Death Rate</th>
<th>95% CI for Calculated Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>82</td>
<td>26.2</td>
<td>(20.5 - 31.8)</td>
</tr>
<tr>
<td>Female</td>
<td>43</td>
<td>13.3</td>
<td>(9.3 - 17.3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Number</th>
<th>Death Rate</th>
<th>95% CI for Calculated Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-24</td>
<td>8</td>
<td>9.1</td>
<td>(2.8 - 15.4)</td>
</tr>
<tr>
<td>25-34</td>
<td>42</td>
<td>43.1</td>
<td>(30.1 - 56.1)</td>
</tr>
<tr>
<td>35-44</td>
<td>30</td>
<td>38.4</td>
<td>(24.7 - 52.2)</td>
</tr>
<tr>
<td>45-54</td>
<td>26</td>
<td>31.3</td>
<td>(19.3 - 43.4)</td>
</tr>
<tr>
<td>55-64</td>
<td>17</td>
<td>21.8</td>
<td>(11.4 - 32.1)</td>
</tr>
<tr>
<td>65+</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race</th>
<th>Number</th>
<th>Death Rate</th>
<th>95% CI for Calculated Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>98</td>
<td>19.4</td>
<td>(15.5 - 23.2)</td>
</tr>
<tr>
<td>Black</td>
<td>16</td>
<td>26.0</td>
<td>(13.2 - 38.7)</td>
</tr>
<tr>
<td>Hispanic</td>
<td>7</td>
<td>10.7</td>
<td>(2.8 - 18.6)</td>
</tr>
</tbody>
</table>

**Total Deaths** | **125** | **19.6** | **(16.2 - 23.1)**

Source: Kent County Medical Examiner Records 2017
All rates are per 100,000
*Data suppressed due to insufficient numbers.
Figure 1: Number of Opioid-related Overdose Deaths by Month, Kent County, 2016-2017

Source: Kent County Medical Examiner Records 2016-2017
*Data are current as of 07/11/2018

Figure 2: Cumulative Number of Opioid-related Overdose Deaths, 2015-2017

Source: Kent County Medical Examiner Records 2015-2017
*Data are current as of 07/11/2018
In an effort to compare data on opioid-related overdose deaths across counties in Michigan, county-level data was obtained from the Michigan Substance Use Data Repository (http://mi-suddr.com/). Death certificate data from the Division for Vital Records and Health Statistics for opioid-related overdose deaths, including heroin, in Michigan’s five most populous counties are presented in Figure 4. In addition, medical examiner data on opioid-related deaths available from Ingham and Washtenaw County Health Departments are presented in Figure 5.

Figure 3: Number of Opioid-related Overdose Deaths by Year, Kent County, 2003-2017

Source: Kent County Medical Examiner Records 2003-2017
*Data are current as of 07/11/2018

Figure 4: Opioid-related Overdose Deaths by Year in Michigan’s Five Most Populous Counties, 1999-2015

http://mi-suddr.com/opioids/
Figure 5: Opioid-related Overdose Deaths by Year, Ingham, Kent and Washtenaw Counties, 1999-2015

Sources: Ingham County Medical Examiner, Kent County Medical Examiner, Washtenaw County Medical Examiner
Figure 6: Number of Opioid-related Drug Overdose Deaths by Census Tract of Occurrence, Kent County 2015-2017

Note: For census tracts that are split into sub-regions, the total number of deaths is spread over the entire census tract grouping. For example, there are a total of 1-4 deaths in tracts 103.01 and 103.02, not 1-3 in each one.
Figure 7: Number of Opioid-related Overdose Deaths by Census Tract of Residence, Kent County 2015-2017

Note: For census tracts that are split into sub-regions, the total number of deaths is spread over the entire census tract grouping. For example, there are a total of 1-3 deaths in tracts 103.01 and 103.02, not 1-3 in each one. There were 35 opioid-related overdose deaths that occurred in Kent County during this period that had an unknown census tract of residence and were therefore not included in this map.
Kent County Opioid Surveillance

*Please note that emergency department data for November and December 2017 are not included in this report due to changes in the surveillance system that have resulted in inaccurate community data for these months.

Emergency Department Visit Data
Source: Michigan Syndromic Surveillance System
Emergency Department data are current as of November 8, 2017

- Total 576 drug overdose-related visits
  - Average age: 32 years
  - Median age: 28 years

Table 3: Number of Overdose-related Emergency Department Visits by Month, Kent County 2017

<table>
<thead>
<tr>
<th>Jan</th>
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<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>51</td>
<td>59</td>
<td>53</td>
<td>85</td>
<td>56</td>
<td>50</td>
<td>50</td>
<td>57</td>
<td>63</td>
<td>576</td>
<td>576</td>
<td></td>
</tr>
</tbody>
</table>

Source: Michigan Syndromic Surveillance System
Numbers based on emergency department visit (chief complaint) and before any confirmed diagnosis is made

Figure 8: Number of Overdose-related Emergency Department Visits by Month, Kent County 2016-2017

Source: Michigan Syndromic Surveillance System
Data are current as of December 31, 2017
Figure 9: Number of Overdose-related Emergency Department Visits by Zip Code, Kent County 2017

Source: Michigan Syndromic Surveillance System
Data are current as of December 31, 2017