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Massachusetts Department of Public Health

**Number of Opioid-Related Overdose Deaths, All Intents by County, MA Residents: 2000-2017**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **County** | **2000** | **2001** | **2002** | **2003** | **2004** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** | **2017** | **Total 2000-2017** |
| Barnstable | 12 | 19 | 21 | 15 | 17 | 20 | 24 | 31 | 22 | 21 | 20 | 19 | 24 | 43 | 53 | 66 | 81 | 67 | 575 |
| Berkshire | 2 | 3 | 1 | 2 | 6 | 9 | 1 | 8 | 3 | 8 | 4 | 9 | 18 | 22 | 29 | 33 | 36 | 27 | 221 |
| Bristol | 38 | 58 | 66 | 84 | 72 | 78 | 85 | 64 | 84 | 70 | 79 | 82 | 95 | 116 | 146 | 168 | 243 | 243 | 1,871 |
| Dukes | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 1 | 5 | 7 | 3 | 2 | 29 |
| Essex | 51 | 65 | 55 | 81 | 68 | 80 | 87 | 89 | 65 | 74 | 51 | 57 | 94 | 119 | 209 | 231 | 273 | 311 | 2,060 |
| Franklin | 5 | 2 | 1 | 5 | 3 | 4 | 6 | 4 | 2 | 2 | 6 | 6 | 8 | 10 | 11 | 18 | 14 | 9 | 116 |
| Hampden | 32 | 37 | 42 | 46 | 32 | 36 | 46 | 38 | 48 | 46 | 48 | 45 | 59 | 69 | 64 | 96 | 129 | 113 | 1,026 |
| Hampshire | 5 | 5 | 5 | 12 | 8 | 3 | 10 | 14 | 11 | 10 | 12 | 10 | 11 | 30 | 26 | 16 | 36 | 28 | 252 |
| Middlesex | 64 | 86 | 92 | 115 | 105 | 122 | 118 | 110 | 112 | 124 | 94 | 130 | 122 | 155 | 273 | 333 | 401 | 357 | 2,913 |
| Nantucket | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 12 |
| Norfolk | 29 | 42 | 44 | 43 | 40 | 53 | 49 | 54 | 73 | 65 | 60 | 64 | 71 | 83 | 127 | 161 | 212 | 170 | 1,440 |
| Plymouth | 23 | 25 | 29 | 47 | 28 | 38 | 49 | 52 | 48 | 53 | 41 | 67 | 57 | 86 | 110 | 168 | 188 | 205 | 1,314 |
| Suffolk | 49 | 87 | 98 | 106 | 83 | 66 | 107 | 103 | 74 | 95 | 64 | 85 | 91 | 111 | 145 | 195 | 239 | 255 | 2,053 |
| Worcester | 68 | 75 | 71 | 58 | 51 | 63 | 74 | 71 | 78 | 67 | 80 | 82 | 91 | 115 | 162 | 216 | 242 | 264 | 1,928 |
| **Total Deaths** | **379** | **506** | **526** | **614** | **514** | **575** | **660** | **642** | **622** | **638** | **560** | **656** | **742** | **961** | **1,362** | **1,710** | **2,099** | **2,056** | **15,822** |

# Technical Notes

* Data for 2017 deaths are preliminary and subject to updates. Case reviews of deaths are evaluated and updated on an ongoing basis. A large number of death certificates have yet to be assigned final cause-of-death codes. 2017 counts are based on the estimates rather than confirmed cases. Data updated on 1/15/2019.
* Numbers and calculations based on values less than 5 are suppressed for years in which the death file is not yet closed if they are based on pending cases.
* Please note that some totals may not add up due to deaths with unknown city/town of residence and the rounding of counts.
* Opioids include heroin, illicitly manufactured fentanyl, opioid-based prescription painkillers, and other unspecified opioids.
* Cases were defined using the International Classification of Disease (ICD-10) codes for mortality. The following codes were selected from the underlying cause of death field to identify poisonings/overdoses: X40-X49, X60-X69, X85-X90, Y10-Y19, and Y35.2. All multiple cause of death fields were then used to identify an opioid-related death: T40.0, T40.1, T40.2, T40.3, T40.4, and T40.6.
* This report tracks all opioid-related overdoses due to difficulties in reporting heroin-associated overdoses separately. Many deaths related to heroin are not specifically coded as such due

to the fast metabolism of heroin into morphine.

To maintain consistency with NCHS reporting, DPH does not include the ICD-10 code F11.1, which may include opioid-related overdose death.

* Beginning with the May 2017 report, DPH started reporting opioid-related deaths for all intents, which includes unintentional/undetermined and suicide.

# Sources

* Massachusetts Registry of Vital Records and Statistics, MDPH
* Massachusetts Office of the Chief Medical Examiner