

MASSACHUSETTS VIOLENT DEATH REPORTING SYSTEM SUICIDE 2018

| | MALE | | | FEMALE | | | TOTAL | | |
|---|------------|--------------|------------------|------------|--------------|------------------|------------|--------------|------------------|
| | Count | Percent | Rate per 100,000 | Count | Percent | Rate per 100,000 | Count | Percent | Rate per 100,000 |
| AGE GROUP | | | | | | | | | |
| 0-14 | 1 | 0.2 | -- | 1 | 0.6 | -- | 2 | 0.3 | -- |
| 15-24 | 56 | 10.2 | 11.9 | 21 | 11.9 | 4.4 | 77 | 10.6 | 8.2 |
| 25-34 | 88 | 16.0 | 17.8 | 27 | 15.3 | 5.5 | 115 | 15.9 | 11.6 |
| 35-44 | 79 | 14.4 | 19.1 | 22 | 12.5 | 5.2 | 101 | 13.9 | 12.0 |
| 45-54 | 115 | 20.9 | 25.8 | 35 | 19.9 | 7.4 | 150 | 20.7 | 16.3 |
| 55-64 | 109 | 19.9 | 24.2 | 46 | 26.1 | 9.4 | 155 | 21.4 | 16.5 |
| 65-74 | 49 | 8.9 | 16.2 | 18 | 10.2 | 5.1 | 67 | 9.2 | 10.3 |
| 75-84 | 35 | 6.4 | 25.4 | 5 | 2.8 | -- | 40 | 5.5 | 12.3 |
| 85+ | 17 | 3.1 | 31.8 | 1 | 0.6 | -- | 18 | 2.5 | 11.3 |
| Total | 549 | 100.0 | 16.4 | 176 | 100.0 | 5.0 | 725 | 100.0 | 10.5 |
| RACE/ETHNICITY | | | | | | | | | |
| White, non-Hispanic | 476 | 86.7 | 19.7 | 157 | 89.2 | 6.1 | 633 | 87.3 | 12.7 |
| Black, non-Hispanic | 27 | 4.9 | 10.4 | 10 | 5.7 | 3.6 | 37 | 5.1 | 6.9 |
| Asian, non-Hispanic | 15 | 2.7 | 6.3 | 2 | 1.1 | -- | 17 | 2.3 | 3.4 |
| Hispanic | 27 | 4.9 | 6.5 | 5 | 2.8 | -- | 32 | 4.4 | 3.8 |
| Other/unknown race/ethnicity | 4 | 0.7 | -- | 2 | 1.1 | -- | 6 | 0.8 | 38.3 |
| Total | 549 | 100.0 | 16.4 | 176 | 100.0 | 5.0 | 725 | 100.0 | 10.5 |
| CIRCUMSTANCES* | | | | | | | | | |
| Current mental health problem | 286 | 52.1 | -- | 141 | 80.1 | -- | 427 | 58.9 | -- |
| Current treatment for mental health/substance use problem | 215 | 39.2 | -- | 116 | 65.9 | -- | 331 | 45.7 | -- |
| Alcohol/Substance use problem | 178 | 32.4 | -- | 53 | 30.1 | -- | 231 | 31.9 | -- |
| Left suicide note | 161 | 29.3 | -- | 63 | 35.8 | -- | 224 | 30.9 | -- |
| History of suicide attempts | 71 | 12.9 | -- | 62 | 35.2 | -- | 133 | 18.3 | -- |
| Intimate partner problem | 126 | 23.0 | -- | 26 | 14.8 | -- | 152 | 21.0 | -- |
| Job/Financial problem | 87 | 15.8 | -- | 16 | 9.1 | -- | 103 | 14.2 | -- |
| Physical health problem | 111 | 20.2 | -- | 40 | 22.7 | -- | 151 | 20.8 | -- |
| METHOD | | | | | | | | | |
| Firearm | 129 | 23.5 | 3.9 | 12 | 6.8 | 0.3 | 141 | 19.4 | 2.0 |
| Hanging | 284 | 51.7 | 8.5 | 86 | 48.9 | 2.4 | 370 | 51.0 | 5.4 |
| Poisoning | 63 | 11.5 | 1.9 | 55 | 31.3 | 1.6 | 118 | 16.3 | 1.7 |
| Sharp | 20 | 3.6 | 0.6 | 7 | 4.0 | 0.2 | 27 | 3.7 | 0.4 |
| Fall | 21 | 3.8 | 0.6 | 8 | 4.5 | 0.2 | 29 | 4.0 | 0.4 |
| Other method | 32 | 5.8 | 1.0 | 8 | 4.5 | 0.2 | 40 | 5.5 | 0.6 |
| Total | 549 | 100.0 | 16.4 | 176 | 100.0 | 5.0 | 725 | 100.0 | 10.5 |
| TOTAL | 549 | 100.0 | 16.4 | 176 | 100.0 | 5.0 | 725 | 100.0 | 10.5 |

Source: Massachusetts Violent Death Reporting System, Injury Surveillance Program, Massachusetts Department of Public Health

MASSACHUSETTS VIOLENT DEATH REPORTING SYSTEM

SUICIDE 2018 *(continued)*

| | MALE | | | FEMALE | | | TOTAL | | |
|--|------------|--------------|------------------|------------|--------------|------------------|------------|--------------|------------------|
| | Count | Percent | Rate per 100,000 | Count | Percent | Rate per 100,000 | Count | Percent | Rate per 100,000 |
| COUNTY OF INJURY | | | | | | | | | |
| Barnstable | 35 | 6.4 | 34.3 | 9 | 5.2 | 8.1 | 44 | 6.1 | 20.6 |
| Berkshire | 13 | 2.4 | 21.4 | 3 | 1.7 | -- | 16 | 2.2 | 12.7 |
| Bristol | 65 | 12.0 | 23.8 | 14 | 8.0 | 4.8 | 79 | 11.0 | 14.0 |
| Dukes | 6 | 1.1 | 70.3 | 0 | 0.0 | 0.0 | 6 | 0.8 | 34.6 |
| Essex | 49 | 9.0 | 12.9 | 19 | 10.9 | 4.7 | 68 | 9.5 | 8.6 |
| Franklin | 6 | 1.1 | 17.5 | 1 | 0.6 | -- | 7 | 1.0 | 9.9 |
| Hampden | 47 | 8.7 | 20.8 | 15 | 8.6 | 6.2 | 62 | 8.6 | 13.2 |
| Hampshire | 11 | 2.0 | 14.6 | 6 | 3.4 | 7.0 | 17 | 2.4 | 10.5 |
| Middlesex | 110 | 20.3 | 14.0 | 41 | 23.6 | 5.0 | 151 | 21.1 | 9.4 |
| Nantucket | 1 | 0.2 | -- | 0 | 0.0 | 0.0 | 1 | 0.1 | -- |
| Norfolk | 45 | 8.3 | 13.3 | 19 | 10.9 | 5.2 | 64 | 8.9 | 9.1 |
| Plymouth | 43 | 7.9 | 17.1 | 13 | 7.5 | 4.9 | 56 | 7.8 | 10.8 |
| Suffolk | 51 | 9.4 | 13.2 | 15 | 8.6 | 3.6 | 66 | 9.2 | 8.2 |
| Worcester | 61 | 11.2 | 14.9 | 19 | 10.9 | 4.5 | 80 | 11.2 | 9.6 |
| Total Known MA Injury County | 543 | 100.0 | 16.3 | 174 | 100.0 | 4.9 | 717 | 100.0 | 10.4 |
| Out of State Injury/Unknown Injury | 6 | -- | -- | 2 | -- | -- | 8 | -- | -- |
| MARITAL STATUS (Ages 15+) | | | | | | | | | |
| Married | 167 | 30.5 | 12.2 | 50 | 28.6 | 3.6 | 217 | 30.0 | 7.9 |
| Never Married | 256 | 46.7 | 23.6 | 77 | 44.0 | 7.6 | 333 | 46.1 | 15.9 |
| Widowed | 29 | 5.3 | 43.5 | 12 | 6.9 | 4.8 | 41 | 5.7 | 13.0 |
| Divorced | 92 | 16.8 | 42.2 | 36 | 20.6 | 11.2 | 128 | 17.7 | 23.7 |
| Unknown | 4 | 0.7 | -- | 0 | 0.0 | 0.0 | 4 | 0.6 | -- |
| Total | 548 | 100.0 | 20.0 | 175 | 100.0 | 5.9 | 723 | 100.0 | 12.7 |
| EDUCATION LEVEL (Ages 25+) | | | | | | | | | |
| 8th grade or less | 16 | 3.3 | 15.9 | 0 | 0.0 | 0.0 | 16 | 2.5 | 7.5 |
| 9-12th grade, high school diploma or GED | 264 | 53.7 | 37.4 | 69 | 44.8 | 10.1 | 333 | 51.5 | 23.9 |
| Some college, Associate or Bachelor's degree | 155 | 31.5 | 15.0 | 65 | 42.2 | 5.4 | 220 | 34.1 | 9.8 |
| Master's, Doctorate or Professional degree | 55 | 11.2 | 13.0 | 20 | 13.0 | 4.1 | 75 | 11.6 | 8.3 |
| Unknown | 2 | 0.4 | -- | 0 | 0.0 | 0.0 | 2 | 0.3 | -- |
| Total | 492 | 100.0 | 21.8 | 154 | 100.0 | 6.2 | 646 | 100.0 | 13.6 |
| TOTAL | 549 | 100.0 | 16.4 | 176 | 100.0 | 5.0 | 725 | 100.0 | 10.5 |

Source: Massachusetts Violent Death Reporting System, Injury Surveillance Program, Massachusetts Department of Public Health

* Multiple circumstances may be selected for each decedent.

- Data were extracted and compiled by the Injury Surveillance Program, BCHAP, MDPH, September 2020
- Analysis is based on a calendar year (Jan. 1 - Dec. 31, 2018) and analyzed by ICD-10 code (X60-X84, Y87.0, U03).
- Data is for occurrent deaths only. Massachusetts residents who died out-of-state are excluded from this analysis.
- Rates are crude rates and were not calculated on counts of less than six. Rates that are based on counts less than twenty may be unstable.

• Population data used to calculate rates are based on 2018 population estimates generated by the National Center for Health Statistics Vintage 2019 Bridged-Race Postcensal Population in collaboration with the US Census Bureau (http://www.cdc.gov/nchs/nvss/bridged_race.htm, source file: pcen_v2019_y1019.sas) and the U.S. Census Bureau American Community Survey 2014-2018 five year estimates.

• For additional information and technical notes, please refer to the annual report, "Violent Deaths in Massachusetts: Surveillance Update," which can be found at www.mass.gov/lists/general-injury-data

