

MASSACHUSETTS VIOLENT DEATH REPORTING SYSTEM

SUICIDE 2020

	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	3	0.6	--	1	0.7	--	4	0.7	--
15-24	49	10.4	10.3	17	11.8	3.6	66	10.7	6.9
25-34	75	15.9	14.7	24	16.7	4.8	99	16.1	9.8
35-44	69	14.6	16.1	24	16.7	5.4	93	15.1	10.7
45-54	98	20.8	22.1	28	19.4	5.9	126	20.5	13.8
55-64	85	18.0	18.3	21	14.6	4.2	106	17.2	10.9
65-74	55	11.7	17.2	24	16.7	6.5	79	12.8	11.4
75-84	20	4.2	13.6	5	3.5	--	25	4.1	7.2
85+	17	3.6	30.7	0	0.0	0.0	17	2.8	10.4
Total	471	100.0	13.8	144	100.0	4.0	615	100.0	8.7
RACE/ETHNICITY									
White, non-Hispanic	399	84.7	17.1	114	79.2	4.6	513	83.4	10.6
Black, non-Hispanic	18	3.8	7.7	6	4.2	2.5	24	3.9	5.0
Asian, non-Hispanic	13	2.8	5.3	12	8.3	4.5	25	4.1	4.9
Hispanic	37	7.9	8.4	12	8.3	2.7	49	8.0	5.6
Other/unknown race/ethnicity	4	0.8	--	0	0.0	--	4	0.7	--
Total	471	100.0	13.8	144	100.0	4.0	615	100.0	8.7
CIRCUMSTANCES¹									
Current mental health problem	310	65.8	--	119	82.6	--	429	69.8	--
Current treatment for mental health/substance use problem	238	50.5	--	99	68.8	--	337	54.8	--
Alcohol/Substance use problem	168	35.7	--	33	22.9	--	201	32.7	--
Left suicide note	146	31.0	--	57	39.6	--	203	33.0	--
History of suicide attempts	79	16.8	--	52	36.1	--	131	21.3	--
Intimate partner problem	96	20.4	--	29	20.1	--	125	20.3	--
Job/Financial problem	75	15.9	--	13	9.0	--	88	14.3	--
Physical health problem	78	16.6	--	26	18.1	--	104	16.9	--
METHOD									
Firearm	126	26.8	3.7	10	6.9	0.3	136	22.1	1.9
Hanging	213	45.2	6.2	62	43.1	1.7	275	44.7	3.9
Poisoning	57	12.1	1.7	55	38.2	1.5	112	18.2	1.6
Sharp	27	5.7	0.8	9	6.3	0.2	36	5.9	0.5
Fall	21	4.5	0.6	3	2.1	--	24	3.9	0.3
Other method	27	5.7	0.8	5	3.5	--	32	5.2	0.5
Total	471	100.0	13.8	144	100.0	4.0	615	100.0	8.7
TOTAL	471	100.0	13.8	144	100.0	4.0	615	100.0	8.7

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

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SUICIDE 2020 *(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	28	6.0	25.6	5	3.6	--	33	5.5	14.4
Berkshire	18	3.9	28.9	4	2.9	--	22	3.6	17.1
Bristol	53	11.4	18.9	9	6.5	3.0	62	10.3	10.7
Dukes	2	0.4	--	0	0.0	0.0	2	0.3	--
Essex	49	10.5	12.6	13	9.4	3.1	62	10.3	7.7
Franklin	8	1.7	23.1	3	2.2	--	11	1.8	15.5
Hampden	33	7.1	14.7	6	4.3	2.5	39	6.5	8.4
Hampshire	9	1.9	11.9	7	5.1	8.1	16	2.6	9.9
Middlesex	100	21.5	12.5	26	18.8	3.1	126	20.9	7.7
Nantucket	1	0.2	--	0	0.0	0.0	1	0.2	--
Norfolk	39	8.4	11.2	14	10.1	3.7	53	8.8	7.3
Plymouth	42	9.0	16.3	13	9.4	4.8	55	9.1	10.4
Suffolk	35	7.5	9.1	11	8.0	2.7	46	7.6	5.8
Worcester	49	10.5	11.5	27	19.6	6.2	76	12.6	8.8
Total Known MA Injury County	466	100.0	13.7	138	100.0	3.8	604	100.0	8.6
Out of State Injury/Unknown Injury	5	--	--	6	--	--	11	--	--
MARITAL STATUS (Ages 15+)									
Married	152	32.5	11.0	39	27.3	2.8	191	31.3	6.9
Never Married	221	47.2	20.2	67	46.9	6.5	288	47.1	13.5
Widowed	20	4.3	30.2	9	6.3	3.7	29	4.7	9.4
Divorced	70	15.0	31.4	28	19.6	8.7	98	16.0	18.0
Unknown	5	1.1	--	0	0.0	0.0	5	0.8	--
Total	468	100.0	16.9	143	100.0	4.8	611	100.0	10.6
EDUCATION LEVEL (Ages 25+)									
8th grade or less	7	1.7	7.3	2	1.6	--	9	1.7	4.5
9-12th grade, high school diploma, or GED	221	52.7	31.7	44	34.9	6.6	265	48.6	19.5
Some college, Associate or Bachelor's degree	143	34.1	13.5	60	47.6	4.9	203	37.2	8.9
Master's, Doctorate, or Professional degree	44	10.5	9.9	20	15.9	3.9	64	11.7	6.6
Unknown	4	1.0	--	0	0.0	0.0	4	0.7	--
Total	419	100.0	18.3	126	100.0	5.0	545	100.0	11.3
TOTAL	471	100.0	13.8	144	100.0	4.0	615	100.0	8.7

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

¹ Multiple circumstances may be selected for each decedent. Counts less than 6 and any complementary cells may be suppressed for confidentiality purposes. Rates are not calculated due to undefined denominators.

• Data were extracted and compiled by the Injury Surveillance Program, BCHAP, MDPH, August 2022

• Analysis is based on a calendar year (Jan. 1 - Dec. 31, 2020) and analyzed by ICD-10 code.

• 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 2020 population estimates generated by the UMass Donahue Institute and the U.S. Census Bureau American Community Survey 2016-2020 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

