



MA Opioid-Related EMS Incidents 2013-2020

Massachusetts Department of Public Health

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Enhancement of Opioid Overdose Surveillance

MATRIS, the Massachusetts Ambulance Trip Reporting Information System, is a statewide database for collecting emergency medical service (EMS) data from licensed ambulance services. It was not specifically designed to track opioid overdose incidents. DPH is currently working with all EMS providers to improve the quality and completeness of these data especially with respect to opioid overdose incidents. To more accurately identify ambulance trips that are opioid-related, several pieces of information from MATRIS are combined such as: a notation that a trip was listed as a poisoning, that there was an administration of naloxone, or that the patient admitted to drug use. In combination, this information allows DPH to more accurately count opioid overdose incidents. Not all ambulance services have reported their most recent data at the time this report was generated, and therefore the numbers cited here may be underestimates. Beginning with the August 2017 report, incidents are only among people ages 11 and above. This report documents all opioid-related events in Massachusetts, defined as 911 calls in which opioids are involved; not all events are clinical overdoses and not all are nonfatal. Starting with this report, the MATRIS section will provide additional information on five severity categories: dead on arrival (of opioid overdose), acute opioid overdose, opioid intoxicated, opioid withdrawal, and other opioid-related incident. All opioid-related events are sorted into one of the five categories as determined by the patient's listed complaints, the EMS provider's impressions, the narrative report details of the incident and treatments, the presence of naloxone administration and the patient's response to it, and the patient's disposition (their treatment and transport status).

Results

The percentage of EMS incidents that are considered opioid-related (Figure 1) increased on average 14.1% bi-annually from 2013 until mid-2016 and then began decreasing 2.2% bi-annually through the end of 2020. The number of all EMS incidents involving naloxone administration (Figure 3) increased on average 16.7% bi-annually from 2013 until mid-2016 and then began decreasing 0.9% bi-annually through the end of 2020. In 2020, the greatest number of suspected opioid-related incidents treated by EMS continued to be among males aged 25-34, accounting for 22% of opioid-related incidents with a known age and sex. In 2020, 55.3% of all Opioid-Related Events were categorized as Acute Opioid Overdose Events, 20.8% were categorized as Other Opioid-Related Events, 18.5% were categorized as Opioid Intoxicated Events, 3.7% were categorized as Opioid Withdrawal Events, and 1.7% were categorized as Dead on Arrival Events.

All Suspected Opioid Related Incidents by Sex: 2013								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	10	917	2,039	1,046	896	492	169	5,569
Female	8	627	1,127	619	523	295	214	3,413
Total	18	1,544	3,166	1,665	1,419	787	383	8,982

All Suspect Opioid Related Incidents by Sex: 2014								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	(1-4)	1,477	3,525	1,674	1,334	690	253	8,953*
Female	(1-4)	925	1,683	872	783	351	257	4,871*
Total	6	2,402	5,208	2,546	2,117	1,041	510	13,824*

*Total of non-suppressed numbers

All Suspected Opioid Related Incidents by Sex: 2015								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	(1-4)	1,738	4,780	2,570	1,818	894	296	12,096*
Female	8	968	2,364	1,169	922	477	301	6,209
Total	±	2,706	7,144	3,739	2,740	1,371	597	18,305*

±Complementary Suppression; *Total of non-suppressed numbers

All Suspected Opioid Related Incidents by Sex: 2016								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	5	1,775	5,976	3,370	2,309	1,309	416	15,160
Female	6	1,013	2,924	1,561	1,049	620	315	7,488
Total	11	2,788	8,900	4,931	3,358	1,929	731	22,659

All Suspected Opioid Related Incidents by Sex: 2017								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	7	1,492	6,207	3,673	2,497	1,359	479	15,714
Female	9	944	2,903	1,747	1,100	728	362	7,793
Total	16	2,436	9,110	5,420	3,597	2,087	841	23,523

All Suspected Opioid Related Incidents by Sex: 2018								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	<5	1,383	5,798	3,978	2,609	1,497	542	15,807*
Female	<5	706	2,900	1,782	1,043	738	374	7,543*
Total	<5	2,089	8,698	5,760	3,652	2,235	916	23,350*

*Total of non-suppressed numbers

All Suspected Opioid Related Incidents by Sex: 2019								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	(1-4)	914	5,008	3,859	2,609	1,542	544	14,476*
Female	(1-4)	547	2,484	1,782	1,053	634	390	6,890*
Total	(1-4)	1,461	7,492	5,641	3,662	2,176	934	21,366*

*Total of non-suppressed numbers

All Suspected Opioid Related Incidents by Sex: 2020								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	(1-4)	924	4,642	4,141	2,443	1,643	576	14,369*
Female	(1-4)	491	2,043	1,737	1,024	698	371	6,364*
Total	5	1,415	6,685	5,878	3,467	2,341	947	20,733*

*Total of non-suppressed numbers

ORI Severity Category	All Suspected Opioid Related Incidents by Severity Category												Total
	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sept 2020	Oct 2020	Nov 2020	Dec 2020	
DOA Events	21	22	24	35	37	31	31	21	31	35	20	40	348
DOA %	1.3%	1.3%	1.5%	2.3%	1.9%	1.6%	1.5%	1.0%	1.7%	2.1%	1.3%	2.6%	1.7%
Acute Overdose Events	880	935	920	896	1,130	1,077	1,132	1,051	964	908	853	832	11,578
Acute Overdose %	54.7%	56.1%	59.3%	59.3%	57.7%	55.5%	54.2%	52.4%	52.5%	53.6%	56.0%	53.5%	55.3%
Opioid Intoxicated Events	309	312	271	241	352	383	407	396	349	309	254	298	3,881
Opioid Intoxicated %	19.2%	18.7%	17.5%	15.9%	18.0%	19.7%	19.5%	19.8%	19.0%	18.3%	16.7%	19.2%	18.5%
Opioid Withdrawal Events	60	60	43	46	59	71	80	87	70	74	64	64	778
Opioid Withdrawal %	3.7%	3.6%	2.8%	3.0%	3.0%	3.7%	3.8%	4.3%	3.8%	4.4%	4.2%	4.1%	3.7%
Other Opioid-Related Events	340	339	293	294	382	379	437	449	423	367	331	320	4,354
Other Opioid-Related %	21.1%	20.3%	18.9%	19.4%	19.5%	19.5%	20.9%	22.4%	23.0%	21.7%	21.7%	20.6%	20.8%
Total	1,610	1,668	1,551	1,512	1,960	1,941	2,087	2,004	1,837	1,693	1,522	1,554	20,939

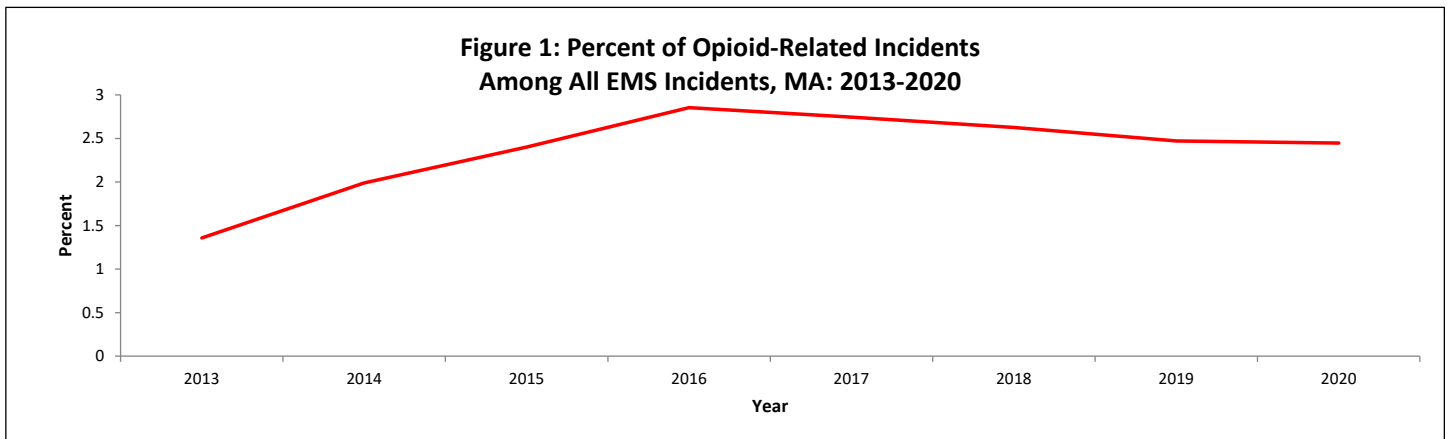


Figure 2: Severity Breakdown of Opioid-Related Incidents, MA: 2013-2020

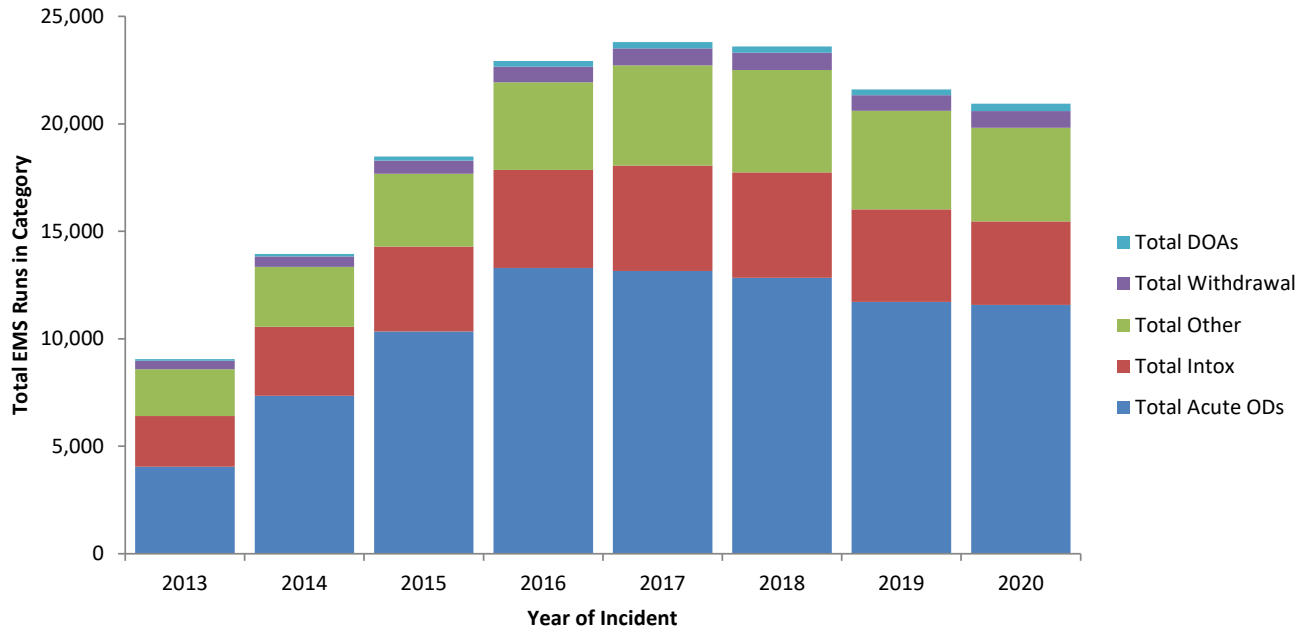


Figure 3: Percent of Acute Overdose Incidents Involving Naloxone Administration, MA: 2013-2020

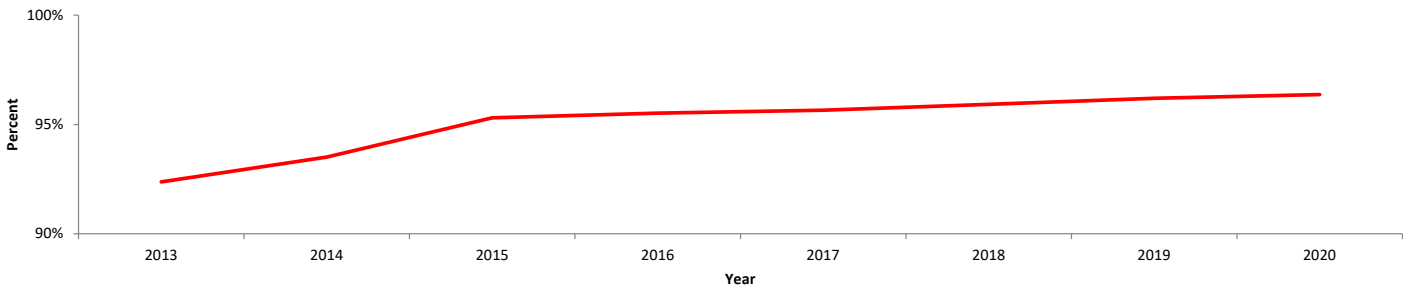
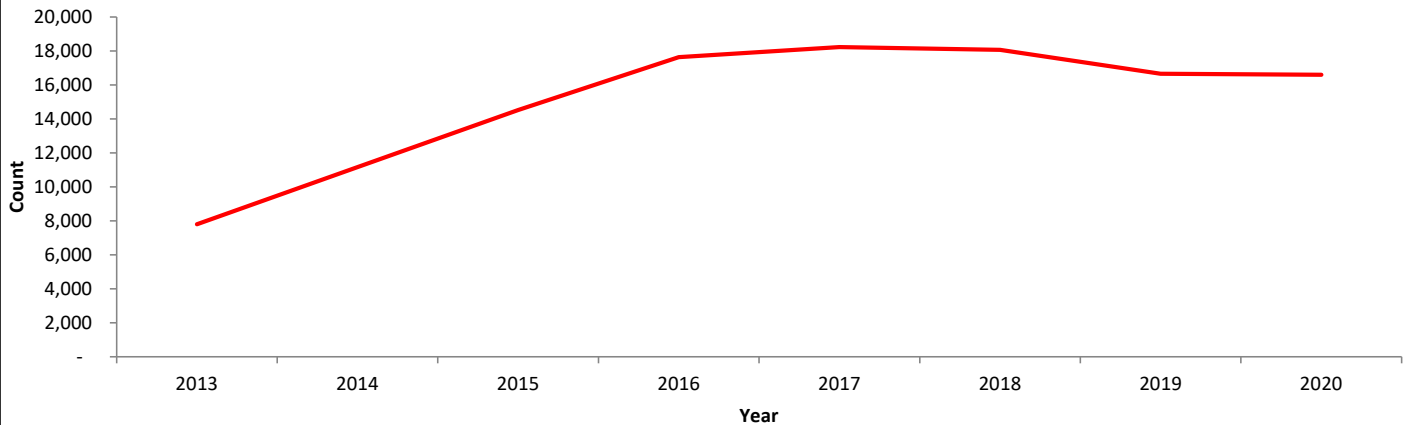


Figure 4: Count of All EMS Incidents Involving Naloxone Administration, MA: 2013-2020



All Suspected Opioid-Related Incidents by Town Where Incident Occurred in MA, 2019-2020

The counts in this table reflect the town in which the incident occurred (not the city/town of residence as shown in the table of deaths by city/town). † indicates no opioid related incidents were recorded, which may be due to non-reporting by EMS services or no incidents occurring. * indicates complementary suppression of the next smallest count was applied if only one count was between 1 and 4. (1-4) indicates the cell value was between 1 and 4.

City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Abington	*	8	9	(1-4)	29	10	(1-4)	8	*	28
Acton	(1-4)	(1-4)	(1-4)	6	12	†	(1-4)	(1-4)	(1-4)	10
Acushnet	†	6	(1-4)	(1-4)	9	8	9	7	10	34
Adams	6	(1-4)	(1-4)	(1-4)	15	7	8	9	5	29
Agawam	14	28	12	16	70	13	23	16	20	72
Alford	(1-4)	†	†	†	(1-4)	†	†	†	†	†
Amesbury	*	8	(1-4)	9	28	8	12	10	7	37
Amherst	*	6	(1-4)	15	30	11	6	*	(1-4)	24
Andover	10	12	12	9	43	*	18	20	(1-4)	51
Aquinnah	†	†	†	†	†	†	†	†	†	†
Arlington	10	7	6	7	30	12	7	7	8	34
Ashburnham	6	(1-4)	(1-4)	(1-4)	14	(1-4)	(1-4)	(1-4)	7	14
Ashby	(1-4)	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)	(1-4)	†	(1-4)
Ashfield	†	†	†	†	†	†	†	†	(1-4)	(1-4)
Ashland	(1-4)	(1-4)	(1-4)	(1-4)	14	(1-4)	7	5	(1-4)	18
Athol	6	6	10	9	31	19	23	10	10	62
Attleboro	30	72	38	21	161	(1-4)	10	†	*	21
Auburn	8	7	5	6	26	7	13	7	12	39
Avon	(1-4)	(1-4)	(1-4)	(1-4)	7	(1-4)	5	(1-4)	(1-4)	15
Ayer	*	9	(1-4)	8	24	(1-4)	8	(1-4)	6	19
Barnstable	43	36	41	35	155	54	44	48	48	194
Barre	8	7	(1-4)	*	23	6	5	6	6	23
Becket	(1-4)	(1-4)	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)
Bedford	(1-4)	8	7	*	23	8	5	8	7	28
Belchertown	(1-4)	(1-4)	5	(1-4)	14	10	(1-4)	5	(1-4)	23
Bellingham	(1-4)	9	7	(1-4)	23	10	(1-4)	6	(1-4)	20
Belmont	8	8	(1-4)	(1-4)	22	6	(1-4)	(1-4)	(1-4)	12
Berkley	(1-4)	(1-4)	(1-4)	(1-4)	9	†	(1-4)	(1-4)	(1-4)	8
Berlin	†	†	*	(1-4)	7	*	†	(1-4)	†	7
Bernardston	†	†	†	†	†	(1-4)	(1-4)	†	†	(1-4)
Beverly	18	31	22	24	95	26	24	27	12	89
Billerica	18	19	9	12	58	18	10	11	10	49
Blackstone	(1-4)	7	(1-4)	(1-4)	15	5	(1-4)	(1-4)	5	16
Blandford	†	†	†	†	†	†	†	†	†	†
Bolton	†	(1-4)	(1-4)	(1-4)	5	(1-4)	†	†	(1-4)	(1-4)
Boston	650	872	989	804	3315	718	923	897	748	3286
Bourne	10	18	13	11	52	11	15	18	13	57

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City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Boxborough	(1-4)	†	†	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)
Boxford	(1-4)	(1-4)	†	†	(1-4)	†	(1-4)	†	†	(1-4)
Boylston	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)
Braintree	18	12	19	21	70	18	17	20	27	82
Brewster	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)	(1-4)	(1-4)	12
Bridgewater	9	9	12	8	38	19	9	10	18	56
Brimfield	(1-4)	(1-4)	†	(1-4)	(1-4)	†	5	(1-4)	(1-4)	7
Brockton	153	167	149	131	600	141	119	119	103	482
Brookfield	(1-4)	†	(1-4)	(1-4)	5	(1-4)	(1-4)	(1-4)	(1-4)	12
Brookline	13	12	8	5	38	9	*	8	(1-4)	28
Buckland	†	†	†	†	†	†	†	†	†	†
Burlington	10	9	6	7	32	9	*	10	(1-4)	28
Cambridge	80	68	111	75	334	63	78	110	76	327
Canton	*	(1-4)	8	8	27	10	(1-4)	*	9	32
Carlisle	†	†	†	†	†	†	†	(1-4)	(1-4)	(1-4)
Carver	7	10	(1-4)	*	26	(1-4)	*	9	7	24
Charlemont	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	†	7
Charlton	(1-4)	5	(1-4)	(1-4)	10	(1-4)	6	8	(1-4)	16
Chatham	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	†	(1-4)	(1-4)
Chelmsford	6	12	9	10	37	18	9	8	13	48
Chelsea	36	53	68	58	215	24	28	43	35	130
Cheshire	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	8
Chester	(1-4)	†	(1-4)	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)
Chesterfield	(1-4)	†	(1-4)	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)
Chicopee	63	83	78	91	315	82	82	83	74	321
Chilmark	†	†	†	†	†	†	†	(1-4)	†	(1-4)
Clarksburg	†	†	†	†	†	†	†	†	†	†
Clinton	6	8	(1-4)	(1-4)	18	10	*	(1-4)	5	22
Cohasset	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	†	†	†	(1-4)
Colrain	†	(1-4)	†	(1-4)	(1-4)	†	†	†	(1-4)	(1-4)
Concord	(1-4)	†	(1-4)	(1-4)	10	(1-4)	(1-4)	(1-4)	(1-4)	9
Conway	†	†	†	†	†	†	†	†	†	†
Cummington	†	(1-4)	†	(1-4)	(1-4)	†	†	†	(1-4)	(1-4)
Dalton	5	(1-4)	(1-4)	(1-4)	10	†	7	(1-4)	(1-4)	12
Danvers	40	30	34	30	134	21	35	49	40	145
Dartmouth	35	41	30	40	146	20	19	41	27	107
Dedham	13	14	17	19	63	16	15	13	14	58

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City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Deerfield	(1-4)	†	(1-4)	(1-4)	7	(1-4)	†	(1-4)	(1-4)	(1-4)
Dennis	11	8	8	14	41	8	11	*	(1-4)	26
Dighton	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	5
Douglas	(1-4)	5	†	(1-4)	10	(1-4)	(1-4)	(1-4)	(1-4)	11
Dover	†	†	†	†	†	†	†	†	†	†
Dracut	(1-4)	23	13	*	52	14	13	15	7	49
Dudley	18	8	6	10	42	7	8	8	8	31
Dunstable	(1-4)	(1-4)	†	†	5	(1-4)	(1-4)	†	(1-4)	5
Duxbury	(1-4)	(1-4)	(1-4)	(1-4)	11	(1-4)	(1-4)	(1-4)	(1-4)	11
East Bridgewater	9	*	5	(1-4)	23	5	7	(1-4)	(1-4)	17
East Brookfield	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	6
East Longmeadow	8	8	7	8	31	(1-4)	(1-4)	10	6	19
Eastham	(1-4)	(1-4)	(1-4)	†	6	(1-4)	(1-4)	(1-4)	(1-4)	8
Easthampton	10	(1-4)	*	11	33	11	6	9	5	31
Easton	9	(1-4)	8	(1-4)	24	7	*	7	(1-4)	21
Edgartown	(1-4)	(1-4)	(1-4)	†	5	(1-4)	(1-4)	(1-4)	†	5
Egremont	†	†	†	†	†	†	†	†	†	†
Erving	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)	†	†	(1-4)
Essex	(1-4)	†	(1-4)	(1-4)	8	(1-4)	(1-4)	(1-4)	†	5
Everett	38	39	37	38	152	30	30	38	37	135
Fairhaven	6	12	16	8	42	19	17	7	13	56
Fall River	198	264	271	225	958	192	207	247	207	853
Falmouth	41	33	32	32	138	34	45	36	38	153
Fitchburg	70	65	60	52	247	54	68	63	59	244
Florida	†	†	†	†	†	†	†	†	†	†
Foxborough	11	9	10	10	40	15	15	12	14	56
Framingham	43	66	46	44	199	47	24	37	29	137
Franklin	7	11	6	9	33	8	5	13	9	35
Freetown	(1-4)	(1-4)	(1-4)	(1-4)	7	(1-4)	(1-4)	(1-4)	(1-4)	8
Gardner	19	25	30	31	105	20	22	39	16	97
Georgetown	(1-4)	5	(1-4)	†	10	(1-4)	(1-4)	(1-4)	(1-4)	10
Gill	†	†	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	†	(1-4)
Gloucester	15	32	28	19	94	19	19	26	20	84
Goshen	†	(1-4)	†	†	(1-4)	†	†	(1-4)	†	(1-4)
Gosnold	†	†	†	†	†	†	†	†	†	†
Grafton	(1-4)	7	(1-4)	5	17	6	9	(1-4)	*	21
Granby	5	(1-4)	(1-4)	†	9	(1-4)	(1-4)	(1-4)	(1-4)	7

All Suspected Opioid-Related Incidents by Town Where Incident Occurred in MA, 2019-2020

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City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Granville	(1-4)	†	(1-4)	(1-4)	(1-4)	†	†	(1-4)	†	(1-4)
Great Barrington	*	7	(1-4)	5	19	8	*	(1-4)	8	24
Greenfield	27	28	26	14	95	24	35	29	29	117
Groton	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	†	†	(1-4)	5
Groveland	†	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	5
Hadley	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)	7	(1-4)	17
Halifax	(1-4)	(1-4)	5	(1-4)	16	(1-4)	(1-4)	5	6	14
Hamilton	(1-4)	†	(1-4)	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)
Hampden	(1-4)	8	7	(1-4)	18	7	(1-4)	(1-4)	(1-4)	17
Hancock	†	†	†	†	†	†	†	†	†	†
Hanover	6	(1-4)	(1-4)	(1-4)	18	(1-4)	(1-4)	(1-4)	5	11
Hanson	5	(1-4)	(1-4)	(1-4)	13	(1-4)	(1-4)	†	†	5
Hardwick	(1-4)	(1-4)	(1-4)	(1-4)	6	(1-4)	(1-4)	(1-4)	†	5
Harvard	(1-4)	†	(1-4)	†	5	†	(1-4)	(1-4)	(1-4)	5
Harwich	5	(1-4)	5	(1-4)	14	*	6	(1-4)	7	21
Hatfield	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)
Haverhill	59	55	73	67	254	75	53	68	58	254
Hawley	†	†	†	†	†	†	†	†	†	†
Heath	†	†	†	†	†	†	†	†	†	†
Hingham	5	†	(1-4)	(1-4)	9	(1-4)	†	(1-4)	(1-4)	5
Hinsdale	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	†	†	(1-4)
Holbrook	(1-4)	9	*	9	27	6	9	5	11	31
Holden	(1-4)	(1-4)	(1-4)	(1-4)	9	6	(1-4)	7	*	19
Holland	†	†	†	†	†	†	†	(1-4)	(1-4)	(1-4)
Holliston	(1-4)	7	(1-4)	(1-4)	14	(1-4)	†	5	(1-4)	9
Holyoke	111	132	156	146	545	152	126	166	85	529
Hopedale	(1-4)	7	(1-4)	(1-4)	14	(1-4)	(1-4)	(1-4)	(1-4)	10
Hopkinton	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	†	(1-4)	(1-4)	8
Hubbardston	(1-4)	†	(1-4)	†	(1-4)	(1-4)	†	†	(1-4)	(1-4)
Hudson	8	*	7	(1-4)	24	†	6	7	7	20
Hull	(1-4)	5	(1-4)	9	20	6	10	5	7	28
Huntington	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)
Ipswich	(1-4)	(1-4)	5	(1-4)	11	(1-4)	(1-4)	(1-4)	(1-4)	11
Kingston	(1-4)	9	5	(1-4)	21	(1-4)	(1-4)	9	5	17
Lakeville	15	25	13	14	67	19	16	29	26	90
Lancaster	(1-4)	(1-4)	7	9	21	(1-4)	5	(1-4)	†	13
Lanesborough	(1-4)	(1-4)	(1-4)	(1-4)	6	†	5	6	†	11

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City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Lawrence	129	136	153	111	529	118	114	128	121	481
Lee	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	10
Leicester	7	7	6	6	26	7	7	*	(1-4)	24
Lenox	(1-4)	(1-4)	5	5	16	(1-4)	6	5	(1-4)	17
Leominster	44	50	34	26	154	19	18	29	34	100
Leverett	†	†	†	†	†	†	†	†	(1-4)	(1-4)
Lexington	(1-4)	(1-4)	(1-4)	(1-4)	12	(1-4)	(1-4)	†	(1-4)	5
Leyden	†	†	†	†	†	†	†	†	†	†
Lincoln	†	(1-4)	†	†	(1-4)	†	†	(1-4)	†	(1-4)
Littleton	(1-4)	5	(1-4)	†	8	†	†	†	†	†
Longmeadow	(1-4)	(1-4)	(1-4)	(1-4)	8	†	(1-4)	(1-4)	(1-4)	7
Lowell	154	167	150	152	623	127	182	172	123	604
Ludlow	10	9	10	12	41	16	25	12	12	65
Lunenburg	(1-4)	(1-4)	5	(1-4)	11	†	(1-4)	(1-4)	†	(1-4)
Lynn	99	134	157	113	503	126	89	144	102	461
Lynnfield	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)	(1-4)	(1-4)	8
Malden	26	58	53	42	179	25	31	36	45	137
Manchester	(1-4)	†	†	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)
Mansfield	8	19	8	10	45	(1-4)	7	15	*	32
Marblehead	(1-4)	(1-4)	(1-4)	5	14	(1-4)	(1-4)	9	(1-4)	18
Marion	(1-4)	(1-4)	(1-4)	†	9	(1-4)	†	(1-4)	†	5
Marlborough	17	19	21	17	74	18	19	26	17	80
Marshfield	*	14	8	(1-4)	31	12	7	13	11	43
Mashpee	*	11	10	(1-4)	35	*	10	12	(1-4)	33
Mattapoisett	6	(1-4)	(1-4)	5	16	(1-4)	(1-4)	(1-4)	(1-4)	7
Maynard	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	6
Medfield	(1-4)	(1-4)	†	†	5	†	5	†	†	5
Medford	24	28	17	18	87	34	29	28	23	114
Medway	8	9	(1-4)	(1-4)	24	*	8	(1-4)	6	21
Melrose	(1-4)	7	9	(1-4)	23	9	*	9	(1-4)	29
Mendon	(1-4)	(1-4)	(1-4)	(1-4)	9	†	(1-4)	†	(1-4)	6
Merrimac	(1-4)	(1-4)	(1-4)	(1-4)	10	†	(1-4)	(1-4)	†	(1-4)
Methuen	42	47	37	27	153	32	35	33	26	126
Middleborough	†	(1-4)	(1-4)	(1-4)	5	†	(1-4)	(1-4)	(1-4)	5
Middlefield	†	†	†	†	†	†	†	†	†	†
Middleton	(1-4)	10	(1-4)	8	24	5	(1-4)	(1-4)	(1-4)	17
Milford	24	18	22	8	72	8	*	13	(1-4)	31

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City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Millbury	9	8	7	12	36	12	14	15	9	50
Millis	(1-4)	(1-4)	(1-4)	(1-4)	11	(1-4)	(1-4)	5	(1-4)	13
Millville	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)
Milton	(1-4)	(1-4)	11	6	22	9	(1-4)	7	*	25
Monroe	†	†	†	†	†	†	†	†	†	†
Monson	(1-4)	(1-4)	6	(1-4)	15	(1-4)	(1-4)	7	(1-4)	15
Montague	(1-4)	*	12	9	30	7	12	9	5	33
Monterey	†	†	†	†	†	†	†	(1-4)	†	(1-4)
Montgomery	†	†	†	†	†	†	†	†	†	†
Mount Washington	†	†	†	†	†	†	†	†	†	†
Nahant	†	(1-4)	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)
Nantucket	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	6
Natick	12	14	15	5	46	6	11	13	9	39
Needham	6	(1-4)	(1-4)	6	16	*	(1-4)	5	8	21
New Ashford	†	†	†	†	†	†	†	†	†	†
New Bedford	198	158	100	135	591	166	200	250	177	793
New Braintree	†	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)
New Marlborough	(1-4)	†	†	(1-4)	(1-4)	†	†	(1-4)	†	(1-4)
New Salem	†	†	†	(1-4)	(1-4)	(1-4)	†	†	†	(1-4)
Newbury	(1-4)	(1-4)	†	(1-4)	6	(1-4)	(1-4)	†	(1-4)	5
Newburyport	(1-4)	(1-4)	(1-4)	5	16	(1-4)	(1-4)	†	(1-4)	12
Newton	11	19	9	19	58	20	12	15	13	60
Norfolk	(1-4)	(1-4)	(1-4)	†	8	(1-4)	(1-4)	6	(1-4)	12
North Adams	27	26	12	23	88	11	14	19	22	66
North Andover	12	11	13	5	41	6	5	13	10	34
North Attleboro	9	18	22	22	71	16	26	23	29	94
North Brookfield	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	9
North Reading	(1-4)	5	(1-4)	(1-4)	12	(1-4)	7	6	*	21
Northampton	34	22	23	25	104	22	20	40	22	104
Northborough	7	(1-4)	(1-4)	5	18	(1-4)	(1-4)	13	5	25
Northbridge	*	10	8	(1-4)	28	7	12	5	9	33
Northfield	†	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	†	(1-4)
Norton	(1-4)	8	(1-4)	6	19	6	10	12	10	38
Norwell	5	5	(1-4)	(1-4)	13	(1-4)	(1-4)	(1-4)	(1-4)	6
Norwood	13	11	9	11	44	12	17	17	14	60

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City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Oak Bluffs	(1-4)	(1-4)	(1-4)	†	7	(1-4)	†	(1-4)	(1-4)	7
Oakham	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)
Orange	9	8	(1-4)	*	27	*	12	16	(1-4)	36
Orleans	(1-4)	(1-4)	(1-4)	(1-4)	6	(1-4)	(1-4)	(1-4)	(1-4)	14
Otis	†	†	†	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)
Oxford	9	9	9	11	38	7	(1-4)	8	*	24
Palmer	10	10	9	16	45	6	17	22	8	53
Paxton	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	†	7
Peabody	31	32	34	30	127	25	17	20	24	86
Pelham	†	†	†	†	†	†	†	†	†	†
Pembroke	5	8	9	7	29	7	14	11	11	43
Pepperell	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	9
Peru	†	†	†	†	†	†	†	†	†	†
Petersham	(1-4)	†	†	†	(1-4)	†	†	†	†	†
Phillipston	†	†	(1-4)	†	(1-4)	†	(1-4)	†	†	(1-4)
Pittsfield	56	46	93	59	254	64	116	114	90	384
Plainfield	(1-4)	(1-4)	†	†	(1-4)	(1-4)	†	†	(1-4)	(1-4)
Plainville	(1-4)	9	(1-4)	(1-4)	21	5	5	(1-4)	(1-4)	16
Plymouth	51	43	34	39	167	44	49	58	37	188
Plympton	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	5
Princeton	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	(1-4)	(1-4)
Provincetown	(1-4)	11	8	(1-4)	26	(1-4)	(1-4)	(1-4)	(1-4)	12
Quincy	84	91	105	70	350	63	93	93	81	330
Randolph	16	20	15	11	62	12	13	†	†	25
Raynham	8	14	13	12	47	9	8	13	18	48
Reading	(1-4)	9	5	(1-4)	22	(1-4)	(1-4)	(1-4)	6	15
Rehoboth	(1-4)	†	(1-4)	5	7	(1-4)	6	6	(1-4)	20
Revere	41	57	53	28	179	35	35	57	54	181
Richmond	†	†	(1-4)	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)
Rochester	†	5	†	†	5	(1-4)	(1-4)	(1-4)	(1-4)	9
Rockland	10	9	12	20	51	12	6	9	19	46
Rockport	(1-4)	†	(1-4)	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)
Rowe	†	†	†	†	†	†	†	†	†	†
Rowley	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	†	5
Royalston	†	†	†	†	†	†	(1-4)	†	†	(1-4)
Russell	(1-4)	(1-4)	(1-4)	(1-4)	6	†	(1-4)	†	(1-4)	(1-4)
Rutland	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)	(1-4)	†	6

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	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Salem	33	29	40	29	131	25	32	41	33	131
Salisbury	6	8	6	7	27	(1-4)	8	17	*	35
Sandisfield	†	†	†	†	†	†	†	†	(1-4)	(1-4)
Sandwich	7	7	*	(1-4)	24	10	(1-4)	†	*	23
Saugus	33	30	22	29	114	26	19	27	26	98
Savoy	†	†	†	(1-4)	(1-4)	†	†	†	†	†
Scituate	(1-4)	(1-4)	(1-4)	7	16	(1-4)	(1-4)	(1-4)	†	7
Seekonk	5	5	5	9	24	(1-4)	11	13	*	36
Sharon	(1-4)	(1-4)	†	(1-4)	5	(1-4)	(1-4)	†	(1-4)	7
Sheffield	(1-4)	(1-4)	(1-4)	(1-4)	5	†	(1-4)	†	†	(1-4)
Shelburne	(1-4)	(1-4)	†	†	(1-4)	(1-4)	†	(1-4)	†	(1-4)
Sherborn	†	†	†	(1-4)	(1-4)	†	†	†	†	†
Shirley	(1-4)	(1-4)	7	(1-4)	19	6	(1-4)	(1-4)	(1-4)	12
Shrewsbury	16	15	26	24	81	10	16	10	9	45
Shutesbury	†	†	†	†	†	†	(1-4)	†	†	(1-4)
Somerset	(1-4)	10	11	(1-4)	27	10	8	15	9	42
Somerville	25	33	42	35	135	24	45	31	46	146
South Hadley	10	5	10	6	31	11	13	*	(1-4)	38
Southampton	(1-4)	(1-4)	(1-4)	(1-4)	6	(1-4)	†	†	(1-4)	(1-4)
Southborough	(1-4)	†	(1-4)	(1-4)	5	(1-4)	(1-4)	6	(1-4)	11
Southbridge	32	32	28	21	113	14	36	36	30	116
Southwick	(1-4)	6	5	(1-4)	17	(1-4)	6	(1-4)	(1-4)	13
Spencer	9	9	13	15	46	18	22	16	10	66
Springfield	225	289	334	283	1131	243	365	330	209	1147
Sterling	(1-4)	5	(1-4)	6	16	(1-4)	5	(1-4)	(1-4)	11
Stockbridge	(1-4)	†	†	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)
Stoneham	*	13	10	(1-4)	32	8	9	20	12	49
Stoughton	24	27	20	29	100	18	20	18	19	75
Stow	†	†	(1-4)	†	(1-4)	†	†	(1-4)	†	(1-4)
Sturbridge	6	(1-4)	(1-4)	5	18	(1-4)	10	*	6	25
Sudbury	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	6
Sunderland	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	9
Sutton	(1-4)	(1-4)	(1-4)	(1-4)	10	(1-4)	9	5	(1-4)	20
Swampscott	(1-4)	5	†	(1-4)	11	(1-4)	5	(1-4)	5	15
Swansea	13	(1-4)	13	(1-4)	34	11	13	9	14	47
Taunton	51	50	52	44	197	51	48	52	53	204
Templeton	*	8	(1-4)	7	24	9	(1-4)	(1-4)	(1-4)	15

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	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Tewksbury	18	25	20	19	82	17	23	24	20	84
Tisbury	(1-4)	(1-4)	†	(1-4)	6	†	(1-4)	(1-4)	†	5
Tolland	†	†	†	†	†	†	†	†	†	†
Topsfield	(1-4)	(1-4)	(1-4)	†	5	(1-4)	(1-4)	(1-4)	(1-4)	5
Townsend	(1-4)	(1-4)	(1-4)	5	10	(1-4)	(1-4)	(1-4)	(1-4)	11
Truro	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Tyngsborough	(1-4)	(1-4)	(1-4)	(1-4)	12	†	(1-4)	(1-4)	(1-4)	11
Tyringham	†	†	(1-4)	†	(1-4)	†	†	†	†	†
Upton	(1-4)	6	*	†	14	(1-4)	(1-4)	(1-4)	(1-4)	5
Uxbridge	5	(1-4)	7	(1-4)	18	7	(1-4)	(1-4)	(1-4)	15
Wakefield	20	11	14	13	58	5	10	20	16	51
Wales	†	(1-4)	†	†	(1-4)	†	†	†	(1-4)	(1-4)
Walpole	6	10	6	8	30	7	6	8	7	28
Waltham	21	31	36	34	122	16	21	32	25	94
Ware	7	9	10	7	33	11	9	10	8	38
Wareham	32	34	25	32	123	31	26	46	37	140
Warren	*	(1-4)	6	10	26	6	(1-4)	(1-4)	†	9
Warwick	†	†	†	(1-4)	(1-4)	†	†	(1-4)	†	(1-4)
Washington	†	†	†	†	†	†	†	†	†	†
Watertown	9	12	11	5	37	10	9	17	9	45
Wayland	(1-4)	†	(1-4)	†	(1-4)	†	(1-4)	†	†	(1-4)
Webster	37	39	26	39	141	22	27	24	29	102
Wellesley	(1-4)	(1-4)	(1-4)	†	5	(1-4)	†	(1-4)	(1-4)	7
Wellfleet	†	*	(1-4)	†	7	†	(1-4)	(1-4)	†	(1-4)
Wendell	†	(1-4)	†	†	(1-4)	†	†	†	†	†
Wenham	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)
West Boylston	8	5	(1-4)	(1-4)	18	*	(1-4)	5	6	19
West Bridgewater	(1-4)	5	(1-4)	(1-4)	13	(1-4)	(1-4)	(1-4)	(1-4)	11
West Brookfield	(1-4)	(1-4)	†	6	10	(1-4)	(1-4)	(1-4)	(1-4)	8
West Newbury	†	†	†	†	†	†	†	†	†	†
West Springfield	30	30	33	42	135	27	46	60	34	167
West Stockbridge	†	†	†	†	†	(1-4)	†	(1-4)	†	(1-4)
West Tisbury	(1-4)	†	†	†	(1-4)	†	†	†	†	†
Westborough	14	13	15	20	62	24	21	22	24	91
Westfield	21	24	31	29	105	27	35	33	20	115
Westford	(1-4)	(1-4)	(1-4)	†	10	(1-4)	†	(1-4)	(1-4)	6
Westhampton	†	†	†	†	†	†	(1-4)	†	†	(1-4)

All Suspected Opioid-Related Incidents by Town Where Incident Occurred in MA, 2019-2020

The counts in this table reflect the town in which the incident occurred (not the city/town of residence as shown in the table of deaths by city/town). † indicates no opioid related incidents were recorded, which may be due to non-reporting by EMS services or no incidents occurring. * indicates complementary suppression of the next smallest count was applied if only one count was between 1 and 4. (1-4) indicates the cell value was between 1 and 4.

City/Town	2019					2020				
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
Westminster	*	9	(1-4)	9	28	12	11	7	8	38
Weston	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	5
Westport	(1-4)	8	*	9	26	7	6	13	8	34
Westwood	(1-4)	(1-4)	†	(1-4)	8	(1-4)	†	(1-4)	(1-4)	7
Weymouth	42	48	47	50	187	28	58	52	49	187
Whately	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	†	(1-4)	(1-4)	(1-4)
Whitman	11	8	10	7	36	7	8	6	10	31
Wilbraham	12	(1-4)	8	*	30	*	9	(1-4)	12	30
Williamsburg	(1-4)	†	(1-4)	(1-4)	6	(1-4)	(1-4)	(1-4)	(1-4)	8
Williamstown	(1-4)	(1-4)	(1-4)	†	7	(1-4)	(1-4)	(1-4)	(1-4)	7
Wilmington	16	10	16	7	49	8	(1-4)	†	(1-4)	15
Winchendon	(1-4)	13	9	*	31	6	10	9	12	37
Winchester	(1-4)	8	5	(1-4)	19	(1-4)	(1-4)	(1-4)	(1-4)	10
Windsor	†	(1-4)	†	†	(1-4)	†	†	†	†	†
Winthrop	*	8	(1-4)	13	31	15	10	*	(1-4)	33
Woburn	23	22	29	37	111	20	16	23	24	83
Worcester	408	426	412	358	1604	338	299	393	256	1286
Worthington	†	†	†	(1-4)	(1-4)	†	†	†	(1-4)	(1-4)
Wrentham	(1-4)	*	11	7	28	6	5	(1-4)	(1-4)	18
Yarmouth	19	20	21	13	73	16	21	23	14	74
Unknown	(1-4)	(1-4)	(1-4)	(1-4)	13	†	†	(1-4)	†	(1-4)
Grand Total	5000	5761	5740	5098	21599	4829	5413	5928	4769	20939

Technical Notes

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Source

- Bureau of Health Care Safety and Quality, MDPH