



MA Opioid-Related EMS Incidents 2013-Q1 2023

Massachusetts Department of Public Health

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Enhancement of Opioid Overdose Surveillance

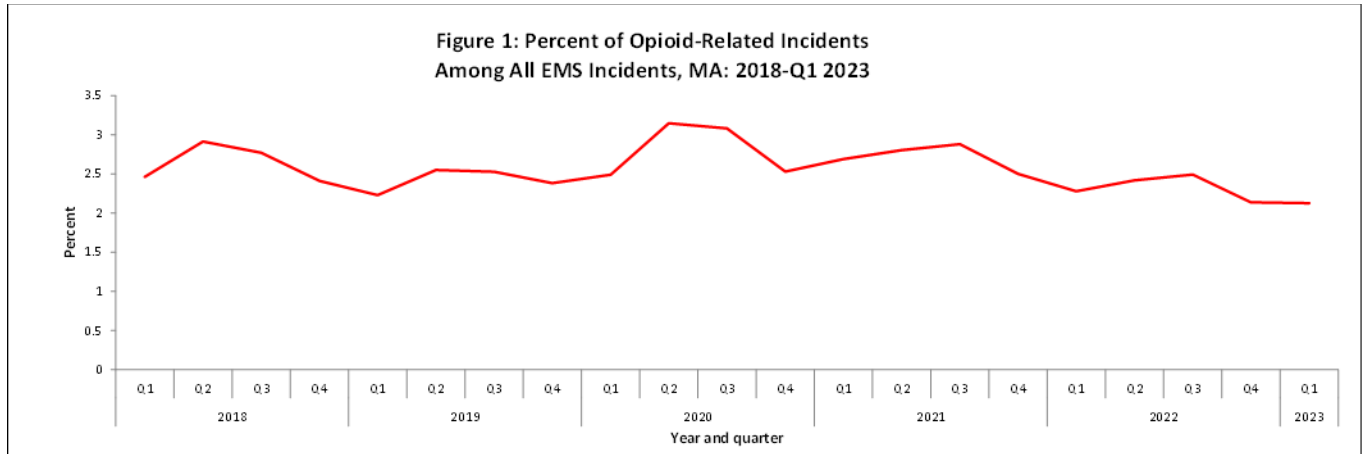
MATRIS, the Massachusetts Ambulance Trip Reporting Information System, is a statewide database for collecting emergency medical service (EMS) data from licensed ambulance services. It was not specifically designed to track opioid overdose incidents. DPH is currently working with all EMS providers to 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 count opioid-related incidents more accurately. 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 incidents in Massachusetts, defined as 911 calls in which opioids are involved; not all incidents are clinical overdoses and not all are nonfatal. The MATRIS section also provides 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 incidents 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). Lastly, this report applies the Massachusetts State Office of Rural Health’s definition to group communities based on their population levels and proximity to urban areas. Towns classified as rural level 1 and rural level 2 are all rural communities, but towns in level 2 are less densely populated and more isolated from urban core areas.

Results

From January through March 2023, the greatest number of suspected opioid-related incidents treated by EMS were among males aged 35-44, accounting for 19.4% of opioid-related incidents with a known age and sex (Table 1).

Table 1: All Suspected Opioid-Related Incidents by Sex and Age: 2023 Q1								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	0	161	695	767	490	382	193	2,688
Female	(1-4)	80	297	402	200	173	116	1,268*
Total	(1-4)	241	992	1,169	690	555	309	3,956*
*Total of non-suppressed numbers								

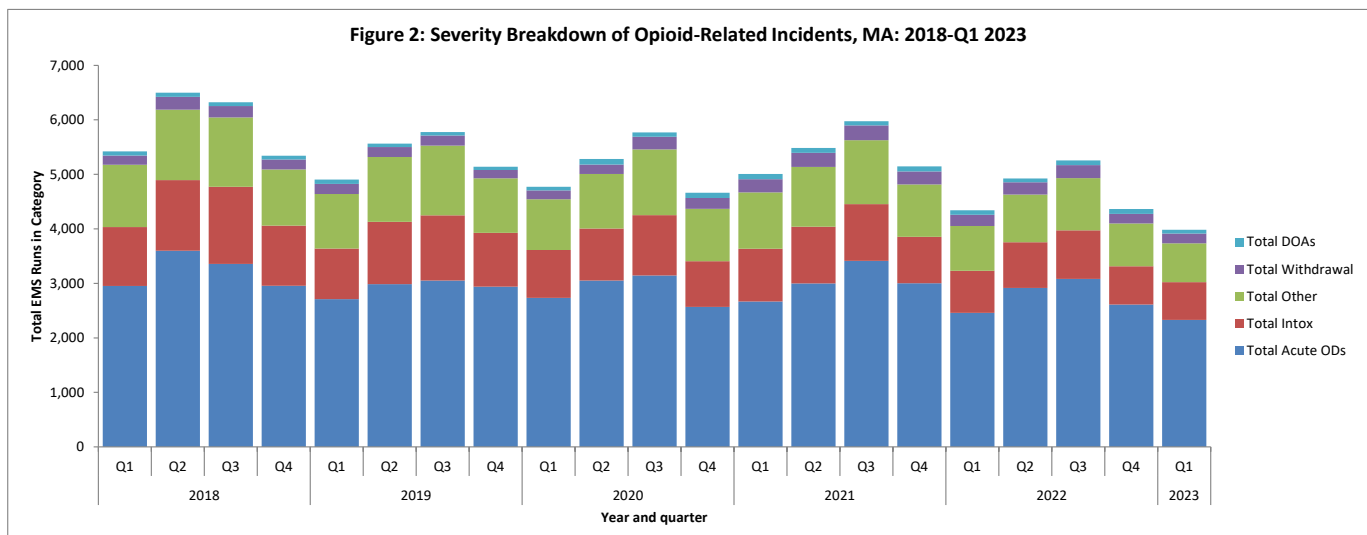
The percentage of all EMS incidents that were considered opioid-related (Figure 1) increased on average 7.8% per quarter between January 2013 and December 2015, and then decreased 0.5% each quarter through March 2023.



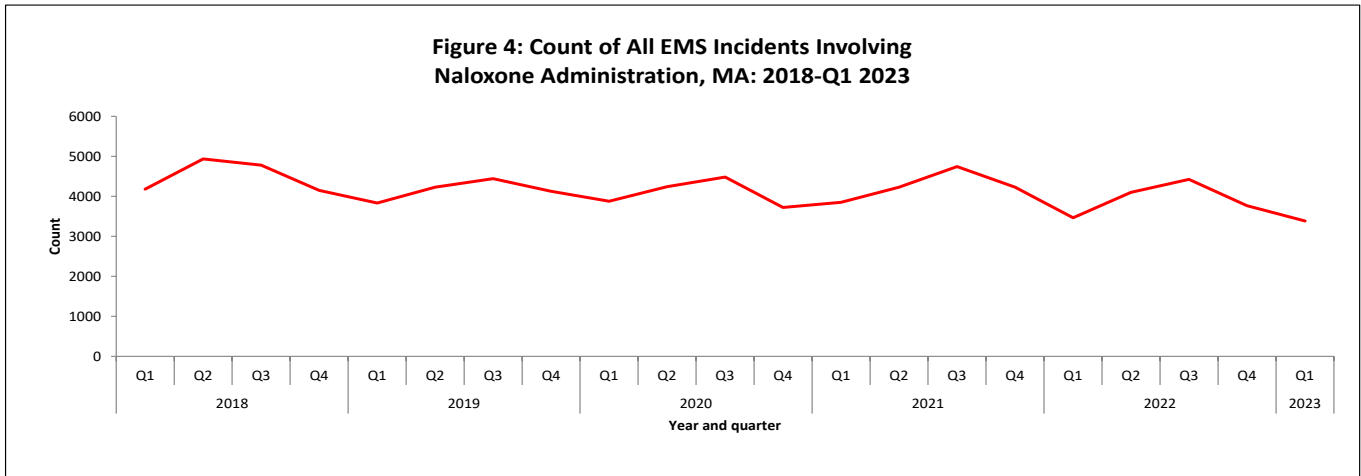
From January through March 2023, 58.5% of all opioid-related incidents were categorized as Acute Opioid Overdose Incidents, 17.9% were categorized as Other Opioid Related Incidents, 17.4% were categorized as Opioid Intoxicated Incidents, 4.5% were categorized as Opioid Withdrawal Incidents, and 1.8% were categorized as Dead on Arrival Incidents (Table 2). Between 2018 and the first quarter of 2023, the total number of acute opioid overdose incidents, opioid intoxicated incidents, and other opioid-related incidents were slowly decreasing. Both dead on arrival (of opioids) incidents and opioid withdrawal incidents were decreasing from 2018 until 2020, at which point both categories increased before declining again starting in 2021 (Figure 2).

Table 2: All Suspected Opioid-Related Incidents by Severity Category: 2023 Q1

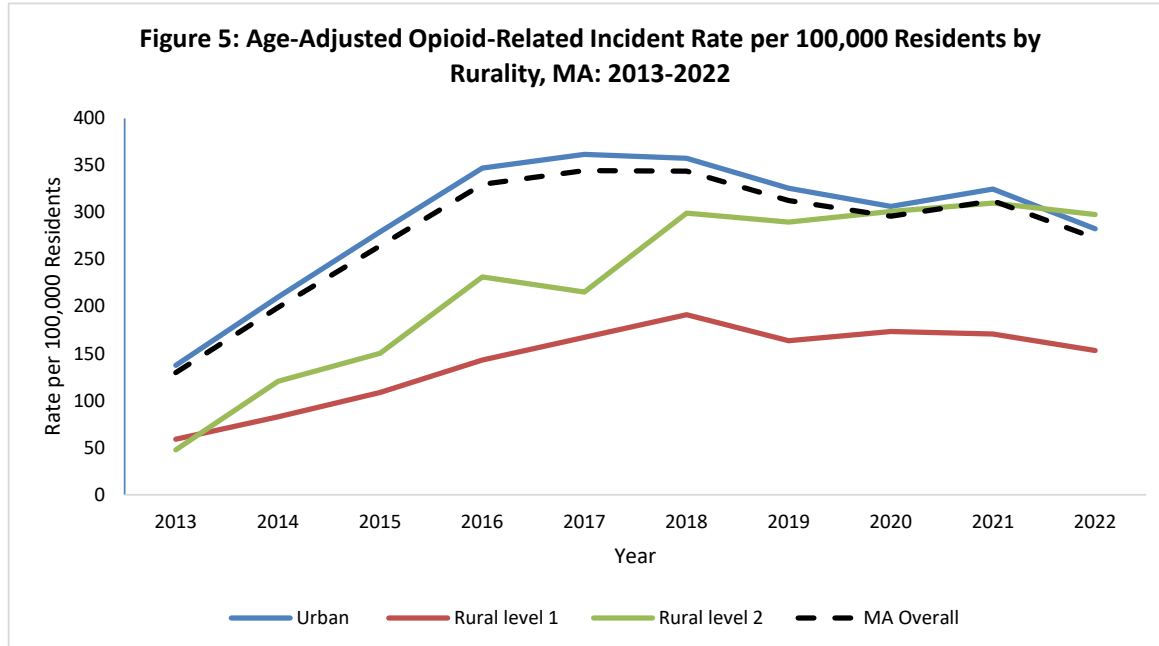
	Jan	Feb	Mar	Total
DOAs Incidents	27	22	21	70
DOAs %	2.0%	1.8%	1.5%	1.8%
Acute Overdose Incidents	776	718	837	2,331
Acute Overdose %	58.7%	57.8%	58.9%	58.5%
Opioid Intoxicated Incidents	207	216	270	693
Opioid Intoxicated %	15.7%	17.4%	19.0%	17.4%
Opioid Withdrawal Incidents	71	59	48	178
Opioid Withdrawal %	5.4%	4.8%	3.4%	4.5%
Other Opioid-Related Incidents	240	227	244	711
Other Opioid-Related %	18.2%	18.3%	17.2%	17.9%
Total	1,321	1,242	1,420	3,983



The number of all EMS incidents involving naloxone administration (Figure 4) increased on average 7.6% per quarter between January 2013 and June 2016 and then decreased 0.7% per quarter through March 2023. Naloxone was administered in 97% of the Acute Opioid Overdose Incidents during the first quarter of 2023.



Between 2013 and 2016, the age adjusted rate of opioid-related incidents in Massachusetts increased 37% yearly; opioid-related incidents then began leveling off with a 2.5% yearly decrease through 2022 in urban communities and rural level 1 communities. In rural level 2 communities, the age-adjusted opioid-related incident rate increased more than 60% each year between 2013 and 2016 and continued to increase 4.5% each year through 2022. In 2022, rural level 2 communities had the highest age-adjusted opioid-related incident rate at 297 incidents per 100,000 residents (Figure 5).



All Suspected Opioid-Related Incidents by Town Where Incident Occurred in MA, 2021-Q1 2023

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	2021					2022					2023	
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Total
Abington	7	9	8	10	34	11	9	8	5	33	9	9
Acton	(1-4)	(1-4)	5	(1-4)	12	(1-4)	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)
Acushnet	7	5	5	7	24	(1-4)	8	(1-4)	(1-4)	15	†	†
Adams	10	*	6	(1-4)	25	*	(1-4)	7	9	26	6	6
Agawam	15	11	20	18	64	19	12	12	7	50	18	18
Alford	†	†	†	†	†	†	†	†	†	†	†	†
Amesbury	7	(1-4)	*	6	19	9	*	(1-4)	9	27	(1-4)	(1-4)
Amherst	7	(1-4)	10	*	26	11	9	5	8	33	6	6
Andover	13	17	9	12	51	12	*	11	(1-4)	32	14	14
Aquinnah	†	†	†	†	†	†	†	†	†	†	†	†
Arlington	10	15	13	12	50	12	8	8	8	36	5	5
Ashburnham	(1-4)	†	(1-4)	(1-4)	9	(1-4)	(1-4)	(1-4)	†	6	†	†
Ashby	†	(1-4)	(1-4)	(1-4)	6	(1-4)	(1-4)	†	(1-4)	7	†	†
Ashfield	†	†	(1-4)	†	(1-4)	(1-4)	†	†	†	(1-4)	†	†
Ashland	(1-4)	(1-4)	8	(1-4)	17	(1-4)	14	(1-4)	(1-4)	22	(1-4)	(1-4)
Athol	16	21	18	7	62	16	17	12	12	57	7	7
Attleboro	24	33	44	28	129	23	32	19	18	92	29	29
Auburn	(1-4)	*	18	13	47	19	6	7	8	40	8	8
Avon	7	(1-4)	6	(1-4)	18	(1-4)	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)
Ayer	*	11	10	(1-4)	33	(1-4)	(1-4)	6	(1-4)	15	6	6
Barnstable	50	44	76	43	213	34	42	48	29	153	6	6
Barre	7	(1-4)	(1-4)	(1-4)	15	(1-4)	†	*	6	16	8	8
Becket	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)	†	†
Bedford	(1-4)	7	(1-4)	8	20	(1-4)	6	(1-4)	(1-4)	18	(1-4)	(1-4)
Belchertown	(1-4)	(1-4)	6	(1-4)	15	(1-4)	8	7	(1-4)	21	(1-4)	(1-4)
Bellingham	5	5	5	12	27	(1-4)	5	(1-4)	(1-4)	11	8	8
Belmont	(1-4)	6	(1-4)	7	18	(1-4)	(1-4)	(1-4)	8	19	5	5
Berkley	(1-4)	(1-4)	†	(1-4)	8	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Berlin	†	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)	(1-4)	(1-4)	7	(1-4)	(1-4)
Bernardston	†	(1-4)	†	†	(1-4)	(1-4)	†	†	†	(1-4)	(1-4)	(1-4)
Beverly	20	14	22	14	70	14	11	12	9	46	18	18
Billerica	14	12	9	23	58	10	8	13	12	43	14	14
Blackstone	(1-4)	5	(1-4)	5	15	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)
Blandford	†	†	†	†	†	†	†	†	(1-4)	(1-4)	†	†
Bolton	(1-4)	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	†	(1-4)	†	†
Boston	849	914	1010	792	3565	593	674	777	626	2670	654	654
Bourne	16	11	21	10	58	10	10	15	10	45	(1-4)	(1-4)

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	2021				2022					2023		
Boxborough	(1-4)	(1-4)	†	†	(1-4)	†	(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)	†	†
Braintree	20	17	25	19	81	20	19	15	12	66	16	16
Brewster	†	(1-4)	(1-4)	(1-4)	6	†	(1-4)	5	(1-4)	10	(1-4)	(1-4)
Bridgewater	12	7	15	11	45	6	13	(1-4)	*	27	12	12
Brimfield	(1-4)	†	(1-4)	(1-4)	6	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)
Brockton	88	123	128	131	470	98	118	126	97	439	96	96
Brookfield	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	†	(1-4)	(1-4)	6	†	†
Brookline	8	12	10	7	37	7	10	8	19	44	13	13
Buckland	†	(1-4)	†	†	(1-4)	†	†	†	†	†	(1-4)	(1-4)
Burlington	9	(1-4)	(1-4)	5	19	8	(1-4)	9	*	25	5	5
Cambridge	137	112	112	108	469	130	130	166	153	579	80	80
Canton	7	7	11	10	35	*	(1-4)	7	7	23	5	5
Carlisle	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)
Carver	9	6	14	12	41	(1-4)	5	5	(1-4)	14	(1-4)	(1-4)
Charlemont	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	(1-4)	†	†
Charlton	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)	5	(1-4)	10	(1-4)	(1-4)
Chatham	(1-4)	(1-4)	(1-4)	(1-4)	7	(1-4)	(1-4)	(1-4)	(1-4)	11	(1-4)	(1-4)
Chelmsford	13	7	11	18	49	(1-4)	8	8	(1-4)	23	7	7
Chelsea	50	57	39	50	196	41	57	73	41	212	28	28
Cheshire	(1-4)	(1-4)	(1-4)	†	6	(1-4)	(1-4)	(1-4)	(1-4)	6	†	†
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)	(1-4)	(1-4)
Chicopee	64	93	77	82	316	83	76	101	75	335	73	73
Chilmark	†	(1-4)	†	†	(1-4)	†	†	†	†	†	†	†
Clarksburg	†	†	†	†	†	†	†	†	†	†	†	†
Clinton	7	6	16	14	43	(1-4)	5	(1-4)	(1-4)	15	11	11
Cohasset	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	7	6	(1-4)	18	(1-4)	(1-4)
Colrain	†	†	†	†	†	†	(1-4)	†	†	(1-4)	†	†
Concord	(1-4)	(1-4)	(1-4)	5	11	6	(1-4)	6	(1-4)	20	†	†
Conway	†	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	†	(1-4)	†	†
Cummington	†	†	†	†	†	†	†	†	†	†	†	†
Dalton	5	(1-4)	(1-4)	(1-4)	15	(1-4)	(1-4)	(1-4)	(1-4)	5	(1-4)	(1-4)
Danvers	44	39	39	33	155	24	32	30	20	106	23	23
Dartmouth	22	40	37	22	121	26	19	33	23	101	17	17
Dedham	14	15	9	9	47	8	9	6	16	39	10	10
Deerfield	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)	†	†	6	†	†
Dennis	5	10	15	17	47	(1-4)	*	8	7	25	8	8

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	<u>2021</u>				<u>2022</u>					<u>2023</u>		
Dighton	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)
Douglas	(1-4)	(1-4)	(1-4)	(1-4)	12	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)
Dover	†	†	(1-4)	†	(1-4)	†	†	†	†	†	†	†
Dracut	11	10	7	17	45	14	9	5	6	34	9	9
Dudley	(1-4)	(1-4)	11	6	23	11	*	9	(1-4)	33	(1-4)	(1-4)
Dunstable	†	†	†	†	†	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Duxbury	(1-4)	5	(1-4)	5	16	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)
East Bridgewater	5	(1-4)	6	(1-4)	16	(1-4)	(1-4)	(1-4)	9	14	5	5
East Brookfield	(1-4)	(1-4)	(1-4)	†	5	5	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)
East Longmeadow	10	10	(1-4)	(1-4)	26	(1-4)	12	*	7	27	†	†
Eastham	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)	(1-4)	(1-4)	8	†	†
Easthampton	14	9	11	10	44	7	12	10	8	37	(1-4)	(1-4)
Easton	11	11	10	10	42	*	9	6	(1-4)	24	8	8
Edgartown	†	(1-4)	†	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	7	(1-4)	(1-4)
Egremont	†	†	†	†	†	†	†	(1-4)	†	(1-4)	†	†
Erving	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)
Essex	†	(1-4)	(1-4)	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Everett	42	37	54	32	165	22	55	32	43	152	42	42
Fairhaven	22	21	12	6	61	7	14	8	5	34	9	9
Fall River	178	223	253	195	849	142	208	225	179	754	143	143
Falmouth	32	14	37	25	108	19	20	31	25	95	29	29
Fitchburg	21	78	80	81	260	40	44	72	38	194	45	45
Florida	†	†	†	†	†	†	†	†	†	†	†	†
Foxborough	13	12	12	7	44	7	6	6	5	24	5	5
Framingham	30	30	47	38	145	25	36	46	38	145	34	34
Franklin	14	12	9	8	43	*	8	(1-4)	9	28	9	9
Freetown	(1-4)	(1-4)	(1-4)	(1-4)	8	6	(1-4)	(1-4)	(1-4)	15	5	5
Gardner	31	20	26	44	121	19	32	32	21	104	19	19
Georgetown	(1-4)	(1-4)	†	(1-4)	8	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)
Gill	†	†	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)
Gloucester	18	22	25	19	84	20	28	16	17	81	9	9
Goshen	†	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)	†	†
Gosnold	†	†	†	†	†	†	†	†	†	†	†	†
Grafton	8	6	(1-4)	(1-4)	19	(1-4)	(1-4)	8	5	19	(1-4)	(1-4)
Granby	(1-4)	(1-4)	6	(1-4)	13	(1-4)	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)
Granville	(1-4)	†	†	†	(1-4)	†	(1-4)	†	(1-4)	(1-4)	†	†
Great Barrington	*	10	6	(1-4)	24	7	7	(1-4)	*	23	6	6

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	2021				2022					2023		
Greenfield	22	26	37	19	104	26	22	24	22	94	22	22
Groton	(1-4)	†	†	†	(1-4)	†	(1-4)	(1-4)	(1-4)	6	(1-4)	(1-4)
Groveland	(1-4)	†	(1-4)	(1-4)	9	(1-4)	(1-4)	(1-4)	(1-4)	7	(1-4)	(1-4)
Hadley	(1-4)	(1-4)	(1-4)	8	17	†	(1-4)	(1-4)	(1-4)	5	(1-4)	(1-4)
Halifax	(1-4)	(1-4)	9	(1-4)	18	(1-4)	(1-4)	(1-4)	(1-4)	12	(1-4)	(1-4)
Hamilton	(1-4)	(1-4)	(1-4)	(1-4)	5	(1-4)	(1-4)	†	(1-4)	5	(1-4)	(1-4)
Hampden	(1-4)	†	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	6	†	†
Hancock	†	†	†	†	†	†	†	†	†	†	†	†
Hanover	(1-4)	(1-4)	(1-4)	†	6	7	(1-4)	(1-4)	(1-4)	17	(1-4)	(1-4)
Hanson	(1-4)	(1-4)	(1-4)	6	9	(1-4)	(1-4)	(1-4)	†	6	†	†
Hardwick	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)
Harvard	†	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	5	†	†
Harwich	*	9	10	(1-4)	29	6	(1-4)	*	6	20	(1-4)	(1-4)
Hatfield	(1-4)	†	†	(1-4)	(1-4)	(1-4)	†	†	(1-4)	(1-4)	†	†
Haverhill	69	70	77	61	277	55	56	54	54	219	44	44
Hawley	†	†	†	†	†	†	†	†	†	†	†	†
Heath	†	†	†	†	†	†	†	†	†	†	†	†
Hingham	(1-4)	(1-4)	(1-4)	6	15	(1-4)	(1-4)	5	(1-4)	15	(1-4)	(1-4)
Hinsdale	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)
Holbrook	10	10	8	6	34	9	10	*	(1-4)	28	10	10
Holden	(1-4)	8	(1-4)	(1-4)	17	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)
Holland	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	7	(1-4)	(1-4)
Holliston	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)	(1-4)	(1-4)	6	(1-4)	(1-4)
Holyoke	88	143	109	96	436	91	128	108	19	346	20	20
Hopedale	(1-4)	(1-4)	†	†	(1-4)	†	(1-4)	(1-4)	(1-4)	5	(1-4)	(1-4)
Hopkinton	(1-4)	(1-4)	(1-4)	†	9	(1-4)	(1-4)	†	(1-4)	6	(1-4)	(1-4)
Hubbardston	(1-4)	(1-4)	(1-4)	†	5	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)
Hudson	14	9	*	(1-4)	30	(1-4)	8	*	12	28	(1-4)	(1-4)
Hull	(1-4)	(1-4)	(1-4)	7	14	8	*	7	(1-4)	24	(1-4)	(1-4)
Huntington	†	†	†	(1-4)	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)
Ipswich	(1-4)	(1-4)	(1-4)	(1-4)	14	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)
Kingston	5	(1-4)	(1-4)	(1-4)	12	6	6	*	(1-4)	20	(1-4)	(1-4)
Lakeville	34	*	(1-4)	†	61	11	*	6	(1-4)	27	(1-4)	(1-4)
Lancaster	(1-4)	5	(1-4)	5	16	(1-4)	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)
Lanesborough	5	(1-4)	(1-4)	(1-4)	15	†	(1-4)	5	(1-4)	11	†	†
Lawrence	81	118	137	115	451	102	97	140	119	458	89	89
Lee	(1-4)	5	(1-4)	(1-4)	14	(1-4)	(1-4)	5	(1-4)	12	(1-4)	(1-4)
Leicester	7	(1-4)	5	(1-4)	19	6	7	6	7	26	(1-4)	(1-4)
Lenox	(1-4)	(1-4)	(1-4)	8	17	(1-4)	(1-4)	(1-4)	(1-4)	11	(1-4)	(1-4)

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	<u>2021</u>				<u>2022</u>					<u>2023</u>		
Leominster	36	38	37	33	144	29	40	28	20	117	29	29
Leverett	†	†	†	†	†	†	†	†	†	†	†	†
Lexington	(1-4)	(1-4)	(1-4)	(1-4)	13	(1-4)	(1-4)	(1-4)	(1-4)	11	(1-4)	(1-4)
Leyden	†	†	†	†	†	†	†	†	†	†	†	†
Lincoln	†	†	(1-4)	†	(1-4)	†	†	†	(1-4)	(1-4)	†	†
Littleton	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	6	(1-4)	(1-4)	12	(1-4)	(1-4)
Longmeadow	(1-4)	(1-4)	(1-4)	†	8	(1-4)	(1-4)	(1-4)	(1-4)	12	(1-4)	(1-4)
Lowell	159	157	198	161	675	138	141	203	142	624	169	169
Ludlow	18	14	10	13	55	9	10	6	10	35	10	10
Lunenburg	(1-4)	6	(1-4)	(1-4)	13	†	(1-4)	†	(1-4)	5	(1-4)	(1-4)
Lynn	81	135	155	150	521	101	110	131	81	423	109	109
Lynnfield	†	5	(1-4)	(1-4)	10	(1-4)	(1-4)	7	(1-4)	15	(1-4)	(1-4)
Malden	50	43	45	45	183	38	44	45	34	161	27	27
Manchester	†	†	(1-4)	†	(1-4)	(1-4)	†	†	†	(1-4)	†	†
Mansfield	10	5	9	9	33	(1-4)	8	11	(1-4)	26	(1-4)	(1-4)
Marblehead	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	5	(1-4)	6	17	(1-4)	(1-4)
Marion	†	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	6	†	†
Marlborough	27	24	34	18	103	25	19	17	14	75	26	26
Marshfield	7	16	5	7	35	*	(1-4)	7	8	25	8	8
Mashpee	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)	10	(1-4)	19	6	6
Mattapoisett	*	†	(1-4)	†	6	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)
Maynard	5	5	(1-4)	(1-4)	15	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)
Medfield	†	(1-4)	(1-4)	†	7	(1-4)	(1-4)	(1-4)	†	7	†	†
Medford	27	37	15	32	111	17	28	26	32	103	33	33
Medway	(1-4)	5	(1-4)	†	11	(1-4)	(1-4)	10	(1-4)	16	5	5
Melrose	*	6	(1-4)	6	22	5	9	5	5	24	(1-4)	(1-4)
Mendon	(1-4)	(1-4)	(1-4)	(1-4)	12	(1-4)	(1-4)	(1-4)	†	7	†	†
Merrimac	†	†	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	†	6	†	†
Methuen	21	22	37	32	112	15	23	33	21	92	26	26
Middleborough	(1-4)	*	21	13	49	18	20	14	14	66	13	13
Middlefield	†	†	(1-4)	†	(1-4)	†	†	†	(1-4)	(1-4)	†	†
Middleton	6	7	6	7	26	(1-4)	10	6	(1-4)	22	(1-4)	(1-4)
Milford	7	23	16	7	53	10	14	6	8	38	10	10
Millbury	5	10	12	10	37	9	13	11	14	47	8	8
Millis	(1-4)	5	(1-4)	5	13	(1-4)	(1-4)	(1-4)	(1-4)	8	5	5
Millville	(1-4)	(1-4)	†	(1-4)	6	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Milton	(1-4)	(1-4)	(1-4)	(1-4)	13	(1-4)	5	8	(1-4)	19	6	6
Monroe	†	†	†	†	†	†	†	†	†	†	†	†
Monson	(1-4)	(1-4)	(1-4)	5	11	(1-4)	(1-4)	5	(1-4)	16	6	6

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	2021				2022				2023			
Montague	10	11	9	5	35	8	*	11	(1-4)	30	6	6
Monterey	†	†	†	†	†	†	†	†	†	†	†	†
Montgomery	†	†	†	†	†	†	†	†	†	†	†	†
Mount Washington	†	†	†	†	†	†	†	†	†	†	†	†
Nahant	†	(1-4)	(1-4)	†	(1-4)	†	†	†	†	†	†	†
Nantucket	(1-4)	(1-4)	(1-4)	(1-4)	11	†	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)
Natick	10	6	6	8	30	(1-4)	*	9	9	26	9	9
Needham	†	(1-4)	(1-4)	(1-4)	9	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)
New Ashford	†	†	†	†	†	†	†	†	†	†	†	†
New Bedford	189	237	252	170	848	160	190	192	171	713	118	118
New Braintree	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	†	†	†	(1-4)	†	†
New Marlborough	†	†	(1-4)	†	(1-4)	†	†	†	†	†	†	†
New Salem	†	†	†	†	†	†	(1-4)	†	†	(1-4)	†	†
Newbury	†	(1-4)	(1-4)	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Newburyport	(1-4)	(1-4)	7	7	20	(1-4)	(1-4)	5	(1-4)	14	(1-4)	(1-4)
Newton	11	13	10	14	48	12	12	9	13	46	17	17
Norfolk	†	(1-4)	(1-4)	(1-4)	5	(1-4)	(1-4)	(1-4)	†	7	(1-4)	(1-4)
North Adams	19	22	21	26	88	25	23	27	17	92	23	23
North Andover	9	6	12	8	35	10	11	10	10	41	6	6
North Attleboro	14	20	15	17	66	14	28	16	17	75	20	20
North Brookfield	5	(1-4)	†	(1-4)	8	(1-4)	†	(1-4)	†	5	(1-4)	(1-4)
North Reading	7	(1-4)	(1-4)	(1-4)	17	(1-4)	8	(1-4)	(1-4)	16	10	10
Northampton	30	39	40	29	138	22	28	20	22	92	14	14
Northborough	(1-4)	12	6	(1-4)	26	*	7	(1-4)	7	23	(1-4)	(1-4)
Northbridge	*	9	(1-4)	13	33	*	10	10	(1-4)	29	(1-4)	(1-4)
Northfield	†	†	†	†	†	(1-4)	†	†	†	(1-4)	(1-4)	(1-4)
Norton	9	6	8	5	28	(1-4)	*	5	9	22	8	8
Norwell	(1-4)	(1-4)	(1-4)	†	9	(1-4)	(1-4)	(1-4)	†	7	(1-4)	(1-4)
Norwood	13	13	18	12	56	14	21	12	15	62	10	10
Oak Bluffs	†	(1-4)	(1-4)	(1-4)	11	†	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)
Oakham	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	†
Orange	(1-4)	11	*	9	33	7	7	6	12	32	5	5
Orleans	(1-4)	(1-4)	†	5	8	(1-4)	(1-4)	8	(1-4)	17	†	†
Otis	†	†	†	(1-4)	(1-4)	†	†	(1-4)	(1-4)	5	†	†
Oxford	(1-4)	*	11	10	28	(1-4)	(1-4)	(1-4)	(1-4)	12	†	†
Palmer	9	(1-4)	*	5	23	*	7	(1-4)	6	22	8	8
Paxton	(1-4)	(1-4)	(1-4)	†	(1-4)	†	(1-4)	†	(1-4)	(1-4)	†	†

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	2021				2022					2023		
Peabody	30	35	51	45	161	24	32	29	33	118	29	29
Pelham	†	†	†	†	†	†	†	†	†	†	†	†
Pembroke	(1-4)	(1-4)	7	7	19	6	6	9	10	31	5	5
Pepperell	(1-4)	(1-4)	†	(1-4)	6	(1-4)	(1-4)	(1-4)	(1-4)	10	†	†
Peru	†	†	†	†	†	†	†	†	†	†	†	†
Petersham	†	†	(1-4)	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	†
Phillipston	(1-4)	†	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Pittsfield	60	65	88	72	285	63	83	93	67	306	65	65
Plainfield	†	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	5	(1-4)	(1-4)
Plainville	(1-4)	6	5	(1-4)	17	(1-4)	8	(1-4)	5	19	7	7
Plymouth	39	46	55	42	182	34	34	32	39	139	29	29
Plympton	†	†	†	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)
Princeton	†	†	†	†	†	(1-4)	†	†	†	(1-4)	†	†
Provincetown	(1-4)	†	5	(1-4)	9	(1-4)	(1-4)	(1-4)	5	11	(1-4)	(1-4)
Quincy	82	92	90	75	339	74	73	94	67	308	42	42
Randolph	16	20	25	11	72	15	9	14	15	53	11	11
Raynham	10	15	15	11	51	5	10	8	5	28	10	10
Reading	†	†	(1-4)	(1-4)	5	(1-4)	(1-4)	(1-4)	8	16	(1-4)	(1-4)
Rehoboth	(1-4)	(1-4)	5	(1-4)	12	(1-4)	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)
Revere	52	51	77	51	231	47	51	55	46	199	40	40
Richmond	†	†	†	†	†	(1-4)	†	†	†	(1-4)	(1-4)	(1-4)
Rochester	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	6	(1-4)	(1-4)
Rockland	11	9	18	17	55	17	10	11	12	50	8	8
Rockport	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)
Rowe	†	†	†	†	†	†	†	†	†	†	†	†
Rowley	(1-4)	(1-4)	(1-4)	(1-4)	5	†	†	(1-4)	†	(1-4)	†	†
Royalston	†	†	†	†	†	†	†	(1-4)	(1-4)	(1-4)	†	†
Russell	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	†	(1-4)	†	†
Rutland	(1-4)	†	7	(1-4)	9	†	(1-4)	7	(1-4)	11	†	†
Salem	24	37	59	29	149	24	23	40	29	116	22	22
Salisbury	9	9	(1-4)	*	29	8	10	7	9	34	(1-4)	(1-4)
Sandisfield	†	†	(1-4)	†	(1-4)	†	(1-4)	†	†	(1-4)	†	†
Sandwich	(1-4)	12	(1-4)	9	28	(1-4)	7	10	*	26	(1-4)	(1-4)
Saugus	38	33	25	28	124	17	28	32	32	109	28	28
Savoy	†	†	†	†	†	†	†	†	(1-4)	(1-4)	†	†
Scituate	(1-4)	(1-4)	(1-4)	(1-4)	9	(1-4)	(1-4)	(1-4)	†	7	(1-4)	(1-4)
Seekonk	11	9	8	7	35	9	6	8	5	28	(1-4)	(1-4)
Sharon	(1-4)	(1-4)	(1-4)	7	17	(1-4)	(1-4)	7	(1-4)	16	(1-4)	(1-4)
Sheffield	†	†	†	(1-4)	(1-4)	†	†	(1-4)	†	(1-4)	(1-4)	(1-4)

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Shelburne	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	5	†	†
Sherborn	†	†	†	(1-4)	(1-4)	(1-4)	†	†	†	(1-4)	†	†
Shirley	9	(1-4)	(1-4)	(1-4)	17	†	*	(1-4)	7	13	6	6
Shrewsbury	8	5	10	13	36	7	5	12	9	33	(1-4)	(1-4)
Shutesbury	†	†	†	†	†	†	†	†	†	†	†	†
Somerset	10	11	9	15	45	10	13	16	7	46	9	9
Somerville	37	44	46	41	168	50	45	36	39	170	24	24
South Hadley	8	6	8	12	34	8	15	8	7	38	15	15
Southampton	†	(1-4)	(1-4)	†	6	(1-4)	†	(1-4)	†	(1-4)	(1-4)	(1-4)
Southborough	(1-4)	(1-4)	(1-4)	(1-4)	8	(1-4)	(1-4)	(1-4)	(1-4)	11	(1-4)	(1-4)
Southbridge	20	29	25	25	99	15	23	17	14	69	14	14
Southwick	(1-4)	(1-4)	5	10	19	(1-4)	5	6	(1-4)	17	(1-4)	(1-4)
Spencer	9	7	8	5	29	*	11	8	(1-4)	28	7	7
Springfield	232	272	313	283	1100	243	282	296	273	1094	257	257
Sterling	(1-4)	(1-4)	†	(1-4)	8	†	(1-4)	(1-4)	(1-4)	10	(1-4)	(1-4)
Stockbridge	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	†	†
Stoneham	15	9	10	12	46	8	10	8	5	31	(1-4)	(1-4)
Stoughton	14	22	21	19	76	19	20	19	17	75	12	12
Stow	†	(1-4)	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	†	†
Sturbridge	5	12	6	5	28	(1-4)	(1-4)	(1-4)	14	22	(1-4)	(1-4)
Sudbury	†	†	†	(1-4)	(1-4)	†	†	†	†	†	(1-4)	(1-4)
Sunderland	†	5	†	†	5	(1-4)	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Sutton	(1-4)	(1-4)	(1-4)	(1-4)	15	(1-4)	(1-4)	(1-4)	(1-4)	9	5	5
Swampscott	(1-4)	(1-4)	6	(1-4)	18	(1-4)	(1-4)	7	(1-4)	14	(1-4)	(1-4)
Swansea	(1-4)	*	8	12	29	5	6	9	6	26	10	10
Taunton	34	44	59	48	185	46	59	54	55	214	40	40
Templeton	7	(1-4)	(1-4)	(1-4)	18	(1-4)	(1-4)	5	(1-4)	11	(1-4)	(1-4)
Tewksbury	23	19	11	15	68	16	16	20	24	76	28	28
Tisbury	(1-4)	(1-4)	(1-4)	(1-4)	8	5	†	†	†	5	†	†
Tolland	†	†	†	†	†	†	†	†	†	†	†	†
Topsfield	(1-4)	†	†	†	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)
Townsend	(1-4)	(1-4)	(1-4)	5	11	(1-4)	(1-4)	6	(1-4)	12	(1-4)	(1-4)
Truro	(1-4)	5	(1-4)	†	8	(1-4)	(1-4)	(1-4)	†	6	(1-4)	(1-4)
Tyngsborough	(1-4)	(1-4)	(1-4)	†	10	6	5	(1-4)	(1-4)	15	(1-4)	(1-4)
Tyringham	†	†	†	†	†	†	†	†	(1-4)	(1-4)	†	†
Upton	(1-4)	(1-4)	(1-4)	†	7	(1-4)	(1-4)	(1-4)	(1-4)	6	†	†
Uxbridge	(1-4)	7	(1-4)	(1-4)	15	(1-4)	(1-4)	5	(1-4)	13	8	8
Wakefield	13	11	9	8	41	9	8	14	6	37	8	8
Wales	(1-4)	†	(1-4)	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)

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	2021				2022				2023			
Walpole	12	(1-4)	*	8	32	*	7	(1-4)	6	22	(1-4)	(1-4)
Waltham	34	42	27	33	136	40	34	36	19	129	23	23
Ware	10	8	8	11	37	8	9	16	13	46	6	6
Wareham	21	27	41	39	128	26	29	24	25	104	21	21
Warren	*	†	9	(1-4)	21	(1-4)	(1-4)	(1-4)	6	12	†	†
Warwick	†	†	†	†	†	(1-4)	†	†	†	(1-4)	†	†
Washington	†	†	†	†	†	†	†	†	†	†	†	†
Watertown	11	9	11	9	40	10	16	(1-4)	*	35	12	12
Wayland	(1-4)	†	†	†	(1-4)	†	†	(1-4)	†	(1-4)	†	†
Webster	25	23	22	21	91	34	28	23	29	114	17	17
Wellesley	9	(1-4)	(1-4)	(1-4)	14	(1-4)	(1-4)	(1-4)	(1-4)	8	5	5
Wellfleet	(1-4)	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)	†	(1-4)	†	†
Wendell	†	†	†	†	†	†	†	†	†	†	(1-4)	(1-4)
Wenham	†	(1-4)	†	†	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)	(1-4)
West Boylston	(1-4)	5	(1-4)	9	21	(1-4)	6	7	(1-4)	20	5	5
West Bridgewater	(1-4)	(1-4)	7	8	21	(1-4)	8	6	(1-4)	19	†	†
West Brookfield	(1-4)	(1-4)	(1-4)	(1-4)	10	5	6	(1-4)	(1-4)	16	†	†
West Newbury	†	†	(1-4)	(1-4)	(1-4)	†	†	†	†	†	†	†
West Springfield	39	43	38	24	144	28	31	24	26	109	21	21
West Stockbridge	†	†	†	†	†	(1-4)	†	(1-4)	(1-4)	(1-4)	(1-4)	(1-4)
West Tisbury	†	†	†	†	†	(1-4)	(1-4)	†	†	(1-4)	†	†
Westborough	17	13	19	16	65	20	21	14	16	71	11	11
Westfield	28	21	25	18	92	17	17	25	21	80	18	18
Westford	*	7	(1-4)	6	21	(1-4)	*	5	5	16	(1-4)	(1-4)
Westhampton	†	†	†	†	†	†	(1-4)	†	†	(1-4)	†	†
Westminster	10	10	7	6	33	*	10	9	(1-4)	29	†	†
Weston	†	(1-4)	†	†	(1-4)	†	†	†	(1-4)	(1-4)	(1-4)	(1-4)
Westport	(1-4)	5	(1-4)	7	18	*	10	9	(1-4)	28	(1-4)	(1-4)
Westwood	(1-4)	(1-4)	(1-4)	7	15	(1-4)	5	6	(1-4)	15	†	†
Weymouth	31	30	37	35	133	32	43	26	33	134	25	25
Whately	(1-4)	(1-4)	†	(1-4)	(1-4)	†	†	†	†	†	(1-4)	(1-4)
Whitman	6	10	8	8	32	*	(1-4)	14	6	28	7	7
Wilbraham	*	(1-4)	5	13	27	8	10	7	11	36	7	7
Williamsburg	†	†	(1-4)	†	(1-4)	6	(1-4)	(1-4)	(1-4)	11	(1-4)	(1-4)
Williamstown	(1-4)	(1-4)	(1-4)	(1-4)	5	(1-4)	(1-4)	†	†	(1-4)	(1-4)	(1-4)
Wilmington	12	19	23	28	82	20	17	(1-4)	*	48	6	6
Winchendon	11	5	6	9	31	11	10	5	9	35	8	8

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	<u>2021</u>				<u>2022</u>				<u>2023</u>			
Winchester	†	*	†	(1-4)	7	†	(1-4)	†	†	(1-4)	†	†
Windsor	†	(1-4)	†	†	(1-4)	†	†	†	†	†	†	†
Winthrop	9	9	8	5	31	8	6	6	9	29	(1-4)	(1-4)
Woburn	21	29	20	23	93	17	29	21	15	82	12	12
Worcester	340	254	309	298	1201	270	234	283	238	1025	211	211
Worthington	(1-4)	†	†	†	(1-4)	†	(1-4)	†	†	(1-4)	(1-4)	(1-4)
Wrentham	(1-4)	(1-4)	5	5	17	(1-4)	*	6	10	26	(1-4)	(1-4)
Yarmouth	18	31	40	23	112	17	12	21	17	67	23	23
Unknown	†	(1-4)	(1-4)	†	(1-4)	(1-4)	†	(1-4)	(1-4)	5	†	†
Grand Total	5009	5486	5975	5148	21618	4341	4926	5255	4364	18886	3983	3983

Source

- Bureau of Health Care Safety and Quality, MDPH