



MA Opioid-Related EMS Incidents 2013-June 2018

Massachusetts Department of Public Health

POSTED: NOVEMBER 2018

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. Data for Boston came from applying this algorithm to events identified by Boston EMS as “Narcotic Related Incidents” (NRI). 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. Counts will be updated on a quarterly basis. Beginning with the August 2017 report, incidents are only among people ages 11 and above.

Results

Since 2013, there has been an overall increasing trend in the percentage of EMS incidents that are considered opioid-related (Figure 1) and the number of all EMS incidents involving naloxone administration (Figure 2). In the first six months of 2018, the greatest number of suspected opioid-related overdoses treated by EMS is among males aged 25-34, accounting for 25% of opioid-related overdose incidents with a known age and gender.

All Suspected Opioid Related Incidents: 2018 (Quarter 1)								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	0	325	1144	777	518	283	93	3140
Female	<5	174	508	326	216	161	82	1467*
Total	<5	499	1652	1103	734	444	175	4607*

*Total of non-suppressed cells

All Suspected Opioid Related Incidents: 2018 (Quarter 2)								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	<5	343	1300	865	568	341	129	3546*
Female	<5	165	621	377	191	172	74	1600*
Total	<5	508	1921	1242	759	513	203	5146*

*Total of non-suppressed cells

Figure 1: Percent of Opioid-Related Overdoses Among All EMS Incidents, MA: 2013-Q2 2018

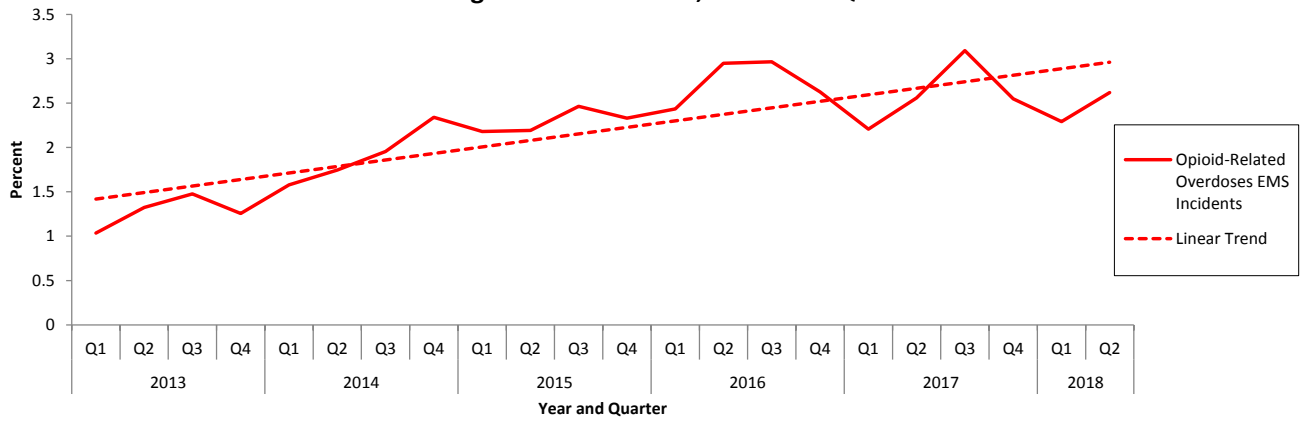
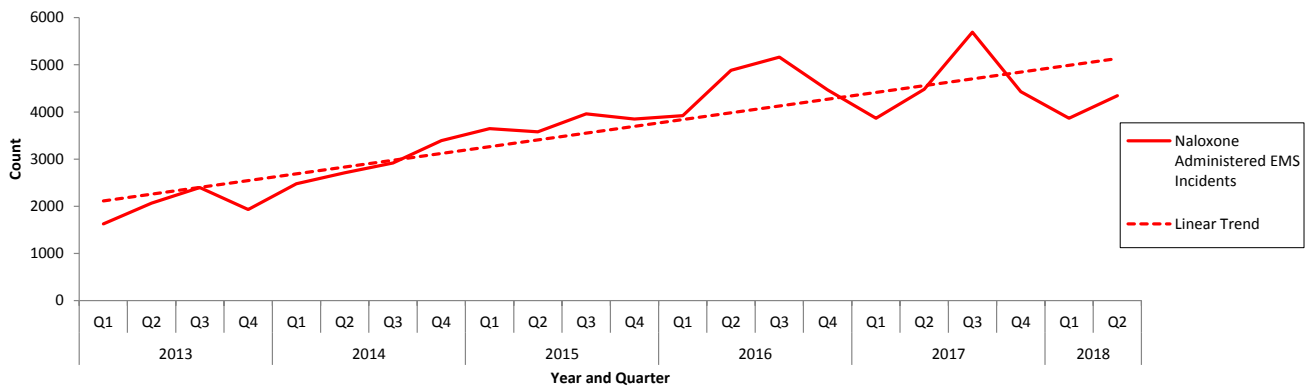


Figure 2: Count of All EMS Incidents Involving Naloxone Administration, MA: 2013-Q2 2018



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 overdose 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 <5.

City/Town	<u>2016</u>					<u>2017</u>					<u>2018</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Abington	12	9	12	9	42	14	9	10	12	45	7	9	16
Acton	*	6	<5	6	21	*	7	<5	6	19	7	†	7
Acushnet	†	<5	*	5	12	7	7	6	5	25	*	<5	10
Adams	†	†	†	†	†	5	<5	<5	10	19	*	<5	14
Agawam	18	8	16	12	54	9	10	13	11	43	24	24	48
Alford	†	†	†	†	†	†	†	†	†	†	†	†	†
Amesbury	16	24	13	16	69	11	15	14	12	52	11	7	18
Amherst	8	<5	<5	5	20	8	6	8	7	29	<5	*	9
Andover	<5	*	11	12	32	7	11	12	14	44	9	6	15
Aquinnah	†	†	†	†	†	†	†	†	†	†	†	†	†
Arlington	18	16	16	8	58	11	14	19	23	67	<5	*	14
Ashburnham	<5	<5	<5	†	9	<5	<5	†	†	<5	<5	†	<5
Ashby	<5	†	<5	<5	8	†	<5	<5	5	12	<5	<5	<5
Ashfield	†	†	†	<5	<5	†	†	†	†	†	†	†	†
Ashland	<5	*	7	8	25	*	9	7	<5	25	<5	<5	6
Athol	5	8	9	16	38	7	15	12	8	42	19	33	52
Attleboro	21	39	38	40	138	36	31	46	31	144	43	30	73
Auburn	*	<5	11	7	27	6	11	7	6	30	8	14	22
Avon	<5	6	*	7	20	<5	<5	<5	†	7	†	5	5
Ayer	6	<5	<5	7	18	<5	<5	<5	†	7	5	8	13
Barnstable	44	54	62	59	219	63	48	90	44	245	26	14	40
Barre	†	<5	<5	<5	8	6	<5	<5	<5	13	*	<5	8
Becket	†	<5	†	†	<5	<5	<5	†	<5	6	†	†	†
Bedford	6	8	9	5	28	*	8	8	<5	23	6	8	14
Belchertown	<5	†	†	<5	<5	<5	7	*	6	21	6	7	13
Bellingham	7	11	11	13	42	11	14	6	9	40	8	†	8
Belmont	10	11	7	5	33	<5	*	12	7	27	8	5	13
Berkley	<5	<5	<5	<5	11	<5	<5	<5	<5	9	<5	<5	<5
Berlin	<5	<5	†	<5	7	<5	†	<5	†	<5	<5	†	<5
Bernardston	†	†	†	†	†	†	†	†	†	†	†	†	†
Beverly	24	31	24	31	110	25	35	23	23	106	23	19	42
Billerica	19	12	30	13	74	20	15	42	20	97	32	17	49
Blackstone	<5	<5	<5	<5	7	<5	9	12	*	30	6	9	15
Blandford	†	†	†	†	†	†	†	†	†	†	†	†	†
Bolton	<5	<5	<5	<5	7	†	†	<5	†	<5	<5	†	<5
Boston	423	674	706	434	2237	425	635	892	687	2639	601	683	1284

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	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Bourne	18	28	32	12	90	15	30	17	22	84	5	16	21
Boxborough	<5	<5	5	7	18	†	<5	<5	<5	7	†	†	†
Boxford	†	<5	<5	<5	7	<5	<5	†	†	<5	<5	<5	<5
Boylston	†	<5	6	<5	9	†	†	<5	†	<5	†	<5	<5
Braintree	23	33	28	43	127	25	35	39	16	115	*	<5	10
Brewster	<5	<5	†	<5	6	†	7	<5	<5	12	<5	<5	<5
Bridgewater	<5	6	†	<5	9	<5	<5	<5	<5	8	†	<5	<5
Brimfield	†	†	†	†	†	†	†	†	†	†	†	†	†
Brockton	191	261	256	180	888	186	164	253	89	692	17	49	66
Brookfield	†	<5	†	<5	<5	<5	<5	<5	<5	7	†	<5	<5
Brookline	9	7	6	11	33	12	18	10	13	53	9	10	19
Buckland	†	†	†	†	†	†	†	†	†	†	†	†	†
Burlington	*	<5	14	11	33	9	13	21	15	58	9	10	19
Cambridge	93	162	128	94	477	81	92	107	73	353	72	99	171
Canton	<5	13	*	10	34	7	7	9	14	37	7	9	16
Carlisle	†	†	†	†	†	†	†	5	†	5	†	<5	<5
Carver	13	12	15	13	53	11	12	11	9	43	<5	<5	7
Charlemont	†	†	†	†	†	†	†	†	†	†	<5	†	<5
Charlton	<5	†	†	<5	<5	<5	<5	<5	<5	11	<5	<5	5
Chatham	<5	<5	<5	<5	7	5	<5	<5	<5	11	<5	<5	6
Chelmsford	19	17	11	10	57	19	12	13	12	56	16	14	30
Chelsea	59	73	84	42	258	49	83	91	43	266	69	69	138
Cheshire	<5	†	<5	<5	<5	<5	<5	†	†	<5	<5	†	<5
Chester	<5	<5	†	†	<5	<5	†	<5	†	<5	<5	†	<5
Chesterfield	†	†	†	†	†	†	†	<5	†	<5	†	<5	<5
Chicopee	78	61	49	54	242	46	59	66	76	247	80	111	191
Chilmark	<5	†	<5	†	<5	†	†	†	<5	<5	<5	†	<5
Clarksburg	†	†	†	†	†	†	†	†	†	†	†	†	†
Clinton	<5	13	*	28	55	6	12	14	17	49	9	19	28
Cohasset	†	†	<5	<5	5	†	<5	<5	<5	9	†	†	†
Colrain	†	†	†	†	†	†	†	†	†	†	<5	†	<5
Concord	<5	7	<5	<5	18	<5	<5	<5	<5	9	<5	*	9
Conway	<5	†	†	†	<5	†	†	†	†	†	†	†	†
Cummington	†	†	†	†	†	†	†	<5	†	<5	†	†	†
Dalton	6	<5	<5	<5	12	<5	†	<5	†	6	†	<5	<5
Danvers	30	45	39	22	136	30	41	36	35	142	44	41	85

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	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Dartmouth	18	25	25	23	91	18	27	20	25	90	29	19	48
Dedham	13	26	13	5	57	16	15	21	15	67	13	21	34
Deerfield	<5	<5	†	†	<5	†	<5	†	<5	7	†	<5	<5
Dennis	<5	<5	9	7	18	11	11	20	16	58	7	14	21
Dighton	<5	*	†	†	7	<5	<5	†	†	<5	†	<5	<5
Douglas	<5	<5	†	†	6	†	†	†	<5	<5	<5	<5	6
Dover	†	†	†	†	†	†	†	<5	†	<5	<5	<5	<5
Dracut	16	10	22	14	62	11	17	26	13	67	22	18	40
Dudley	†	<5	9	*	19	<5	7	*	7	23	5	18	23
Dunstable	†	†	<5	†	<5	<5	†	<5	<5	<5	<5	†	<5
Duxbury	<5	6	<5	<5	18	<5	<5	<5	<5	10	<5	<5	<5
East Bridgewater	6	15	9	7	37	*	6	<5	9	24	6	5	11
East Brookfield	†	†	†	<5	<5	†	†	†	†	†	†	<5	<5
East Longmeadow	<5	8	*	9	23	7	<5	<5	6	19	*	<5	8
Eastham	<5	<5	<5	<5	9	<5	<5	<5	†	8	<5	<5	<5
Easthampton	7	7	7	7	28	<5	5	10	<5	23	7	12	19
Easton	<5	<5	5	†	9	<5	<5	6	13	22	11	12	23
Edgartown	<5	<5	<5	<5	7	<5	<5	<5	†	5	†	†	†
Egremont	†	†	<5	†	<5	†	†	†	†	†	†	†	†
Erving	†	†	†	<5	<5	<5	†	†	<5	<5	†	<5	<5
Essex	<5	<5	†	<5	5	<5	<5	<5	<5	5	<5	†	<5
Everett	36	57	49	41	183	39	43	49	39	170	37	40	77
Fairhaven	26	24	19	15	84	11	13	11	12	47	12	19	31
Fall River	151	156	299	228	834	195	169	247	246	857	165	257	422
Falmouth	23	55	46	45	169	40	48	29	33	150	36	35	71
Fitchburg	70	80	113	90	353	75	80	105	81	341	66	78	144
Florida	†	†	†	†	†	†	†	†	†	†	†	†	†
Foxborough	<5	<5	12	17	35	11	7	9	7	34	<5	*	10
Framingham	32	60	66	55	213	44	34	48	54	180	39	58	97
Franklin	5	17	16	6	44	16	15	*	<5	46	10	9	19
Freetown	*	<5	7	8	24	<5	<5	<5	<5	11	<5	*	11
Gardner	14	28	24	12	78	22	13	20	13	68	11	22	33
Georgetown	<5	<5	<5	<5	11	<5	<5	†	<5	7	*	<5	9
Gill	<5	<5	†	<5	<5	†	†	†	†	†	†	<5	<5
Gloucester	39	33	29	15	116	17	27	32	30	106	27	29	56

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City/Town	<u>2016</u>					<u>2017</u>					<u>2018</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Goshen	†	†	<5	†	<5	†	†	†	†	†	†	†	†
Gosnold	†	†	†	†	†	†	†	†	†	†	†	†	†
Grafton	<5	<5	<5	5	15	*	7	10	<5	25	<5	*	9
Granby	<5	5	<5	<5	9	<5	†	<5	8	13	5	6	11
Granville	<5	†	†	†	<5	†	†	†	†	†	†	†	†
Great Barrington	<5	<5	<5	<5	12	<5	<5	<5	<5	10	<5	<5	<5
Greenfield	10	8	23	9	50	11	15	20	7	53	13	10	23
Groton	<5	†	†	<5	6	†	<5	†	†	<5	<5	<5	5
Groveland	<5	<5	<5	<5	6	<5	<5	†	<5	7	†	<5	<5
Hadley	7	<5	*	5	19	<5	<5	7	<5	15	<5	<5	5
Halifax	10	22	<5	*	45	*	<5	7	11	25	*	<5	12
Hamilton	<5	<5	†	†	<5	<5	<5	<5	<5	6	†	<5	<5
Hampden	†	<5	†	<5	<5	<5	<5	<5	†	5	<5	<5	7
Hancock	†	†	†	†	†	†	<5	†	†	<5	†	†	†
Hanover	6	*	<5	6	18	<5	5	5	<5	17	<5	*	6
Hanson	8	6	9	5	28	<5	9	<5	<5	21	*	<5	11
Hardwick	<5	†	†	<5	<5	<5	†	†	†	<5	<5	<5	<5
Harvard	<5	†	†	<5	<5	<5	†	†	<5	<5	†	†	†
Harwich	<5	7	6	*	19	11	6	11	8	36	6	8	14
Hatfield	<5	†	†	<5	<5	†	<5	<5	†	6	<5	†	<5
Haverhill	92	90	77	105	364	87	85	121	76	369	75	82	157
Hawley	†	†	†	†	†	†	†	†	†	†	†	†	†
Heath	†	†	†	†	†	<5	†	†	<5	<5	†	†	†
Hingham	<5	<5	<5	14	25	<5	<5	5	<5	14	<5	<5	5
Hinsdale	†	<5	†	†	<5	†	†	†	†	†	†	<5	<5
Holbrook	16	17	21	18	72	17	18	17	9	61	8	11	19
Holden	<5	<5	5	<5	13	<5	<5	5	<5	11	<5	<5	<5
Holland	†	†	†	†	†	†	†	<5	†	<5	<5	<5	<5
Holliston	†	†	†	†	†	<5	<5	<5	5	14	<5	<5	<5
Holyoke	79	86	62	74	301	55	49	65	57	226	81	159	240
Hopedale	†	†	†	<5	<5	<5	<5	<5	<5	7	<5	<5	7
Hopkinton	<5	<5	<5	†	10	<5	6	<5	<5	13	*	<5	6
Hubbardston	†	<5	<5	†	6	<5	<5	<5	†	7	<5	†	<5
Hudson	11	*	13	<5	36	<5	*	7	9	24	6	8	14
Hull	11	*	<5	†	18	<5	<5	<5	†	8	<5	<5	<5
Huntington	†	†	<5	†	<5	†	†	<5	†	<5	<5	†	<5

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Ipswich	7	<5	6	*	22	8	7	<5	*	22	<5	<5	5
Kingston	6	<5	<5	9	20	6	*	9	<5	24	12	7	19
Lakeville	<5	*	31	14	56	21	15	22	17	75	5	5	10
Lancaster	<5	<5	<5	<5	8	†	<5	<5	<5	6	<5	†	<5
Lanesborough	†	†	†	6	6	†	<5	<5	†	<5	†	<5	<5
Lawrence	197	100	170	179	646	150	178	242	207	777	180	169	349
Lee	<5	<5	<5	<5	7	<5	<5	<5	<5	10	<5	*	6
Leicester	*	<5	6	10	25	9	6	6	8	29	*	<5	10
Lenox	†	<5	<5	<5	6	<5	5	<5	<5	16	†	<5	<5
Leominster	50	67	113	63	293	68	56	70	56	250	46	62	108
Leverett	†	†	†	†	†	<5	†	†	†	<5	†	†	†
Lexington	<5	<5	8	<5	16	5	<5	5	<5	16	<5	<5	<5
Leyden	†	†	†	†	†	†	†	†	†	†	†	†	†
Lincoln	<5	†	<5	†	<5	†	<5	<5	<5	8	†	†	†
Littleton	<5	6	<5	<5	15	<5	<5	<5	<5	9	†	†	†
Longmeadow	6	<5	<5	<5	13	<5	<5	<5	<5	10	<5	<5	5
Lowell	193	187	216	241	837	269	309	322	237	1137	266	238	504
Ludlow	11	14	6	13	44	10	6	13	10	39	9	18	27
Lunenburg	<5	7	9	<5	23	<5	†	<5	<5	6	<5	*	10
Lynn	97	113	137	123	470	117	147	172	150	586	117	162	279
Lynnfield	<5	<5	<5	<5	9	5	<5	<5	<5	11	<5	<5	5
Malden	37	61	62	42	202	31	55	76	42	204	52	50	102
Manchester	†	<5	<5	†	5	<5	<5	†	<5	6	†	†	†
Mansfield	<5	9	10	*	28	7	10	6	17	40	8	12	20
Marblehead	5	8	15	8	36	9	<5	*	10	28	<5	*	8
Marion	<5	<5	<5	<5	6	<5	<5	<5	<5	9	<5	†	<5
Marlborough	21	13	19	13	66	<5	*	16	17	44	19	9	28
Marshfield	8	16	12	7	43	8	7	12	16	43	*	<5	12
Mashpee	<5	12	17	*	42	16	*	<5	10	35	8	12	20
Mattapoissett	<5	7	<5	<5	13	<5	<5	6	5	15	*	<5	9
Maynard	<5	<5	5	<5	12	9	9	<5	<5	23	<5	<5	5
Medfield	<5	<5	<5	<5	8	5	<5	<5	<5	9	†	<5	<5
Medford	41	42	34	21	138	14	24	27	27	92	18	19	37
Medway	<5	<5	5	8	19	*	8	17	<5	35	*	<5	11
Melrose	16	17	17	9	59	*	<5	15	7	33	9	9	18
Mendon	†	†	†	<5	<5	<5	<5	†	<5	7	<5	†	<5

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Merrimac	<5	†	<5	<5	5	<5	<5	7	<5	15	6	†	6
Methuen	47	53	62	51	213	28	49	60	55	192	34	24	58
Middleborough	10	20	5	†	35	<5	<5	<5	<5	9	<5	<5	<5
Middlefield	†	†	<5	†	<5	†	<5	†	†	<5	†	†	†
Middleton	<5	*	5	†	12	<5	<5	6	7	19	*	<5	16
Milford	6	14	23	13	56	13	24	12	16	65	19	12	31
Millbury	7	19	17	8	51	8	12	10	14	44	8	13	21
Millis	<5	5	<5	8	18	6	<5	5	<5	15	7	†	7
Millville	<5	<5	†	<5	7	†	†	<5	<5	5	<5	<5	<5
Milton	7	12	9	8	36	9	9	9	5	32	*	<5	11
Monroe	†	†	†	†	†	†	†	†	†	†	†	†	†
Monson	<5	<5	5	<5	12	<5	<5	6	<5	14	<5	<5	7
Montague	*	10	8	<5	29	6	*	8	<5	23	<5	*	12
Monterey	†	†	†	†	†	†	†	†	†	†	†	†	†
Montgomery	†	†	†	†	†	†	†	†	†	†	†	†	†
Mount Washington	†	†	†	†	†	†	†	†	†	†	†	†	†
Nahant	<5	<5	†	<5	6	†	<5	<5	†	6	<5	<5	<5
Nantucket	6	<5	9	<5	18	<5	<5	<5	<5	10	<5	<5	<5
Natick	6	9	8	10	33	7	6	8	9	30	8	5	13
Needham	<5	<5	<5	6	15	<5	†	<5	<5	7	<5	<5	6
New Ashford	†	†	†	†	†	†	†	†	†	†	†	†	†
New Bedford	116	153	221	216	706	118	199	231	129	677	141	248	389
New Braintree	†	†	†	<5	<5	†	<5	†	†	<5	†	†	†
New Marlborough	†	†	†	†	†	†	<5	†	†	<5	†	†	†
New Salem	†	†	†	†	†	†	<5	†	†	<5	†	†	†
Newbury	<5	†	†	†	<5	<5	<5	†	<5	6	†	<5	<5
Newburyport	<5	9	<5	11	24	<5	<5	8	<5	16	<5	*	9
Newton	11	13	15	16	55	17	16	15	17	65	18	13	31
Norfolk	7	<5	<5	<5	18	<5	<5	<5	<5	6	<5	<5	<5
North Adams	11	27	22	14	74	9	9	17	13	48	12	13	25
North Andover	12	11	19	15	57	18	12	16	24	70	13	7	20
North Attleboro	13	21	18	16	68	10	25	21	22	78	21	18	39
North Brookfield	†	†	<5	<5	5	†	†	†	<5	<5	<5	†	<5
North Reading	5	<5	9	<5	21	<5	9	<5	<5	17	<5	*	11

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City/Town	<u>2016</u>					<u>2017</u>					<u>2018</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Northampton	26	*	<5	22	71	25	20	16	20	81	15	30	45
Northborough	7	<5	10	<5	24	<5	<5	6	<5	12	<5	*	9
Northbridge	*	7	7	<5	22	<5	*	9	6	25	†	†	†
Northfield	†	†	†	†	†	†	†	<5	<5	<5	<5	<5	<5
Norton	†	9	6	11	26	9	<5	9	*	28	5	8	13
Norwell	5	7	<5	<5	19	<5	7	<5	5	19	<5	*	8
Norwood	<5	†	<5	11	18	13	13	15	12	53	8	12	20
Oak Bluffs	5	<5	5	<5	14	<5	†	<5	<5	5	<5	†	<5
Oakham	†	<5	<5	†	<5	<5	†	<5	†	<5	<5	†	<5
Orange	<5	<5	<5	6	10	8	<5	<5	<5	18	<5	*	13
Orleans	†	†	†	†	†	5	<5	<5	†	9	<5	<5	5
Otis	†	†	†	†	†	†	†	<5	†	<5	†	†	†
Oxford	*	10	22	<5	40	11	*	<5	11	34	<5	*	18
Palmer	†	<5	†	<5	<5	<5	8	*	9	28	8	15	23
Paxton	<5	<5	<5	<5	6	<5	<5	<5	†	5	<5	<5	<5
Peabody	34	44	42	43	163	34	37	51	41	163	44	56	100
Pelham	†	†	†	†	†	†	†	†	†	†	†	†	†
Pembroke	9	9	8	17	43	12	8	8	5	33	7	7	14
Pepperell	<5	<5	9	<5	20	<5	†	7	<5	14	*	<5	10
Peru	†	†	†	†	†	†	†	†	†	†	†	†	†
Petersham	†	<5	†	<5	<5	†	†	†	†	†	†	†	†
Phillipston	†	†	<5	†	<5	†	†	†	†	†	†	†	†
Pittsfield	38	40	30	40	148	35	29	57	38	159	33	61	94
Plainfield	†	†	†	†	†	†	<5	<5	†	<5	<5	†	<5
Plainville	<5	5	<5	11	23	7	*	<5	6	23	<5	<5	7
Plymouth	38	60	49	43	190	50	58	69	42	219	<5	*	11
Plympton	†	<5	<5	<5	6	<5	<5	†	†	<5	†	<5	<5
Princeton	†	†	†	†	†	†	<5	<5	<5	5	<5	<5	<5
Provincetown	<5	<5	<5	<5	11	<5	<5	<5	†	9	†	<5	<5
Quincy	57	123	131	122	433	89	101	164	41	395	20	40	60
Randolph	30	30	16	24	100	20	13	21	24	78	10	9	19
Raynham	6	6	7	13	32	6	10	12	9	37	13	12	25
Reading	6	6	7	7	26	<5	5	<5	<5	13	<5	<5	<5
Rehoboth	†	†	†	†	†	<5	<5	<5	<5	8	†	†	†
Revere	52	81	92	76	301	52	69	82	54	257	63	69	132
Richmond	†	†	†	†	†	†	†	†	†	†	†	<5	<5

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City/Town	<u>2016</u>					<u>2017</u>					<u>2018</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Rochester	<5	<5	<5	<5	8	<5	†	<5	<5	7	<5	<5	<5
Rockland	42	28	24	22	116	17	19	23	20	79	17	16	33
Rockport	†	†	<5	<5	6	<5	*	†	6	13	†	†	†
Rowe	†	†	†	†	†	†	†	†	†	†	†	†	†
Rowley	<5	<5	<5	<5	8	†	<5	†	†	<5	†	<5	<5
Royalston	<5	<5	<5	†	<5	<5	†	†	<5	<5	<5	<5	<5
Russell	†	†	†	<5	<5	†	<5	†	†	<5	<5	<5	<5
Rutland	†	<5	<5	5	10	5	<5	<5	<5	13	<5	<5	<5
Salem	47	62	78	60	247	54	56	78	44	232	39	51	90
Salisbury	25	33	33	17	108	19	25	34	29	107	17	22	39
Sandisfield	†	<5	†	†	<5	<5	†	†	†	<5	†	†	†
Sandwich	†	†	8	7	15	14	9	5	11	39	10	12	22
Saugus	26	37	38	28	129	25	31	32	28	116	30	27	57
Savoy	†	†	†	†	†	†	†	†	†	†	†	†	†
Scituate	<5	5	9	<5	21	<5	<5	6	<5	13	<5	<5	5
Seekonk	<5	7	10	*	26	<5	10	8	*	29	<5	<5	5
Sharon	†	<5	8	<5	12	<5	<5	<5	7	16	*	<5	8
Sheffield	<5	†	<5	†	<5	†	<5	<5	<5	7	†	†	†
Shelburne	<5	†	†	<5	<5	<5	†	<5	†	<5	†	<5	<5
Sherborn	†	†	†	<5	<5	†	†	†	<5	<5	<5	†	<5
Shirley	<5	<5	9	†	13	*	<5	7	5	21	6	8	14
Shrewsbury	10	19	11	11	51	7	16	13	18	54	21	†	21
Shutesbury	†	†	†	†	†	†	†	†	†	†	<5	†	<5
Somerset	13	17	11	9	50	8	10	14	15	47	12	14	26
Somerville	39	52	56	50	197	27	39	43	24	133	30	31	61
South Hadley	†	<5	†	<5	<5	†	†	<5	<5	<5	<5	*	14
Southampton	†	<5	<5	<5	6	<5	<5	†	<5	<5	†	<5	<5
Southborough	<5	<5	<5	<5	6	†	†	<5	<5	5	<5	<5	<5
Southbridge	11	26	22	37	96	8	14	20	7	49	8	20	28
Southwick	11	11	7	5	34	8	<5	<5	8	23	5	10	15
Spencer	<5	<5	<5	<5	12	<5	*	7	10	24	<5	*	16
Springfield	182	198	164	177	721	115	172	205	154	646	167	249	416
Sterling	<5	6	5	<5	13	<5	<5	<5	<5	8	5	5	10
Stockbridge	†	†	†	†	†	<5	†	†	<5	<5	†	<5	<5
Stoneham	6	23	11	12	52	9	6	18	6	39	12	10	22
Stoughton	10	21	12	11	54	14	16	16	13	59	25	14	39

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City/Town	<u>2016</u>					<u>2017</u>					<u>2018</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Stow	†	<5	<5	†	5	<5	6	<5	<5	13	<5	†	<5
Sturbridge	6	11	*	<5	25	<5	<5	<5	8	17	<5	*	10
Sudbury	†	<5	†	<5	5	<5	†	<5	<5	5	<5	<5	<5
Sunderland	<5	<5	<5	<5	6	†	<5	†	†	<5	<5	†	<5
Sutton	<5	<5	<5	<5	12	<5	<5	<5	<5	12	*	<5	9
Swampscott	5	9	5	6	25	<5	<5	5	<5	15	<5	<5	6
Swansea	8	13	13	15	49	10	<5	17	<5	34	9	13	22
Taunton	75	117	73	59	324	39	75	90	41	245	5	6	11
Templeton	5	<5	5	<5	13	5	<5	6	<5	15	<5	<5	6
Tewksbury	12	24	21	24	81	37	41	29	20	127	41	24	65
Tisbury	†	<5	†	<5	<5	<5	<5	<5	†	7	†	†	†
Tolland	†	†	†	†	†	†	†	†	†	†	†	†	†
Topsfield	†	†	5	†	5	<5	6	†	<5	8	<5	†	<5
Townsend	6	<5	<5	<5	15	<5	<5	†	<5	10	5	9	14
Truro	†	<5	†	†	<5	†	†	†	<5	<5	<5	<5	<5
Tyngsborough	<5	<5	6	7	19	<5	*	6	6	19	8	7	15
Tyringham	†	†	†	†	†	†	†	†	†	†	†	†	†
Upton	<5	<5	<5	<5	6	†	5	<5	<5	10	<5	†	<5
Uxbridge	9	*	11	<5	29	*	<5	7	6	22	<5	*	15
Wakefield	10	11	18	15	54	10	17	18	13	58	9	18	27
Wales	†	†	†	†	†	†	†	<5	<5	<5	<5	<5	<5
Walpole	6	10	9	12	37	9	*	8	<5	29	10	17	27
Waltham	38	36	40	30	144	20	35	45	25	125	34	30	64
Ware	9	*	5	<5	23	<5	6	11	<5	22	8	10	18
Wareham	28	33	40	32	133	39	36	47	50	172	34	41	75
Warren	5	<5	†	<5	9	6	<5	<5	†	13	<5	*	8
Warwick	†	†	†	†	†	†	<5	†	†	<5	†	†	†
Washington	†	†	†	†	†	†	†	†	<5	<5	†	†	†
Watertown	28	23	7	22	80	5	11	15	13	44	15	18	33
Wayland	†	<5	<5	<5	<5	<5	<5	<5	†	5	<5	†	<5
Webster	16	14	20	22	72	13	18	23	17	71	14	28	42
Wellesley	<5	<5	<5	6	12	<5	<5	<5	6	14	<5	<5	5
Wellfleet	<5	<5	<5	<5	9	†	5	<5	<5	10	†	<5	<5
Wendell	†	†	†	†	†	†	†	†	†	†	†	†	†
Wenham	<5	<5	†	†	<5	<5	†	<5	<5	<5	†	<5	<5
West Boylston	<5	<5	<5	5	12	6	<5	<5	6	16	5	5	10

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City/Town	<u>2016</u>					<u>2017</u>					<u>2018</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
West Bridgewater	7	<5	<5	†	15	<5	5	<5	10	21	<5	*	10
West Brookfield	†	†	†	†	†	<5	<5	<5	5	10	<5	<5	5
West Newbury	<5	<5	†	<5	5	†	†	<5	†	<5	<5	<5	<5
West Springfield	30	29	19	29	107	11	15	40	23	89	23	35	58
West Stockbridge	†	†	†	†	†	<5	†	†	†	<5	†	<5	<5
West Tisbury	<5	<5	†	†	<5	†	<5	<5	†	<5	†	†	†
Westborough	14	26	25	22	87	14	26	15	11	66	12	13	25
Westfield	28	15	16	21	80	11	14	15	20	60	27	27	54
Westford	8	<5	<5	5	20	5	9	5	6	25	7	10	17
Westhampton	†	†	†	†	†	<5	†	†	†	<5	<5	†	<5
Westminster	<5	<5	†	<5	7	<5	5	<5	8	19	*	<5	8
Weston	<5	<5	†	<5	5	9	<5	<5	†	11	<5	<5	<5
Westport	*	9	<5	10	28	7	8	6	5	26	9	9	18
Westwood	<5	<5	<5	<5	14	<5	6	<5	5	13	†	<5	<5
Weymouth	35	61	81	37	214	50	57	70	62	239	50	50	100
Whately	†	†	†	†	†	<5	<5	†	<5	<5	†	†	†
Whitman	7	7	10	18	42	9	6	19	9	43	13	5	18
Wilbraham	<5	7	<5	6	17	<5	6	*	5	20	6	6	12
Williamsburg	†	<5	†	†	<5	<5	<5	<5	†	<5	<5	†	<5
Williamstown	<5	<5	<5	<5	9	†	<5	<5	†	<5	<5	<5	<5
Wilmington	17	10	*	<5	40	6	11	16	20	53	19	12	31
Winchendon	<5	<5	6	6	17	†	5	5	6	16	7	8	15
Winchester	6	<5	<5	7	18	<5	†	<5	<5	7	<5	<5	5
Windsor	†	†	†	<5	<5	†	†	†	†	†	†	†	†
Winthrop	13	18	21	8	60	<5	*	9	9	30	9	8	17
Woburn	42	38	36	28	144	43	36	45	28	152	31	37	68
Worcester	327	396	480	408	1611	262	361	448	432	1503	283	53	336
Worthington	†	†	<5	†	<5	†	†	†	†	†	†	†	†
Wrentham	*	12	11	<5	35	6	6	7	6	25	<5	<5	<5
Yarmouth	15	31	20	26	92	16	29	35	17	97	10	19	29
Unknown	66	116	109	71	362	51	49	62	49	211	35	32	67
Grand Total	4744	5956	6327	5390	22417	4619	5509	6808	5279	22215	4660	5195	9855

Technical Notes

- Suspected opioid related incidents for all cities/towns except for Boston are identified using an algorithm that DPH developed with CDC using multiple fields in the MATRIS system. In Boston, this algorithm was applied to a subset of incidents that were reported in their internal “Narcotic Related Incidents” database.
- This data brief was supported by funds made available from the Centers for Disease Control and Prevention, under B01OT009024, NU17CE924877, and 1U17CE002724. The findings of this data brief are those of the authors and do not necessarily represent the official position of or endorsement by the Centers for Disease Control and Prevention.

Source

- Office of Emergency Medical Services, Bureau of Health Care Safety and Quality, MDPH