



# MA Opioid-Related EMS Incidents 2013-2019

Massachusetts Department of Public Health

POSTED: NOVEMBER 2019

## Enhancement of Opioid Overdose Surveillance

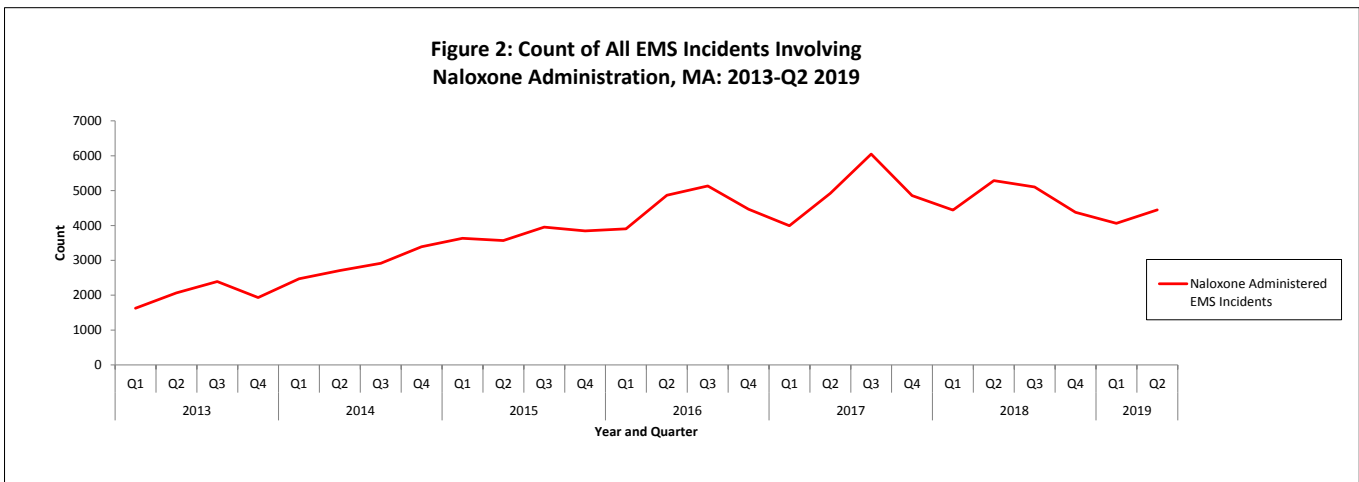
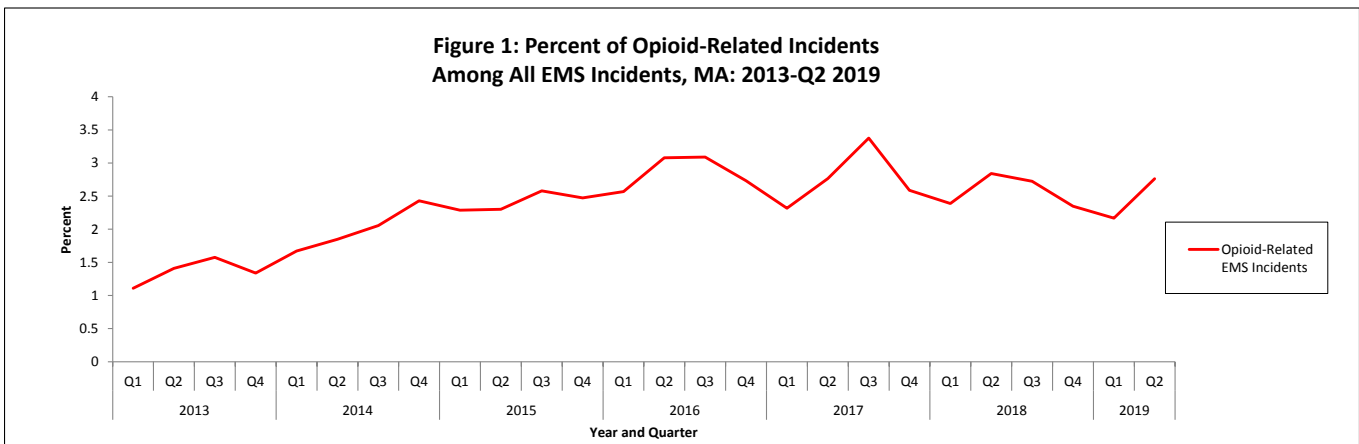
MATRIS, the Massachusetts Ambulance Trip Reporting Information System, is a statewide database for collecting emergency medical service (EMS) data from licensed ambulance services. It was not specifically designed to track opioid overdose incidents. DPH is currently working with all EMS providers to 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. Starting with this report, opioid withdrawal events are also being included as opioid-related events and numbers may increase as a result. 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

The percentage of EMS incidents that are considered opioid-related (Figure 1) and the number of all EMS incidents involving naloxone administration (Figure 2) has increased 6.8% per quarter from 2013 through the second quarter of 2016 and the number of all EMS incidents involving naloxone administration (Figure 2) has increased 7.4% per quarter from 2013 through the third quarter of 2016. Since midway through 2016, the proportion of EMS incidents that are opioid-related as well as the overall number of EMS incidents involving the administration of naloxone has been slightly decreasing. This pattern also closely resembles the 2013-2019 trend in the confirmed and estimated opioid-related overdose death rate (see Opioid-Related Overdose Deaths among Massachusetts Residents, Figure 3). In the first six months of 2019, the greatest number of suspected opioid-related incidents treated by EMS continued to be among males aged 25-34, accounting for 24% of opioid-related incidents with a known age and gender.

All Suspected Opioid Related Incidents: 2019 (Quarter 1)								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	0	218	1,224	882	591	382	113	3,410
Female	<5	133	641	389	257	132	95	1,647
Total	<5	351	1,865	1,271	848	514	208	5,057

All Suspected Opioid Related Incidents: 2019 (Quarter 2)								
	11-14	15-24	25-34	35-44	45-54	55-64	65+	Total
Male	<5	240	1,319	1,040	675	405	144	3,823
Female	<5	156	697	472	270	187	107	1,889
Total	<5	396	2,016	1,512	945	592	251	5,712



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>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Abington	14	9	11	10	<b>44</b>	7	9	5	8	<b>29</b>	8	9	<b>17</b>
Acton	*	7	<5	6	<b>21</b>	8	†	<5	<5	<b>15</b>	<5	<5	<b>5</b>
Acushnet	7	8	6	5	<b>26</b>	6	<5	<5	<5	<b>15</b>	†	6	<b>6</b>
Adams	<5	<5	<5	11	<b>18</b>	11	<5	*	11	<b>33</b>	*	<5	<b>10</b>
Agawam	10	10	13	15	<b>48</b>	26	27	22	13	<b>88</b>	14	28	<b>42</b>
Alford	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	<5	†	<5
Amesbury	13	15	14	13	<b>55</b>	10	7	13	6	<b>36</b>	7	8	<b>15</b>
Amherst	11	8	10	7	<b>36</b>	11	7	7	12	<b>37</b>	6	6	<b>12</b>
Andover	8	11	14	19	<b>52</b>	9	6	14	12	<b>41</b>	10	12	<b>22</b>
Aquinnah	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Arlington	11	14	20	23	<b>68</b>	<5	13	14	*	<b>37</b>	12	9	<b>21</b>
Ashburnham	<5	<5	†	<5	<b>5</b>	<5	†	<5	†	<b>&lt;5</b>	*	<5	<b>8</b>
Ashby	†	<5	<5	5	<b>13</b>	<5	<5	<5	†	<b>7</b>	<5	<5	<b>5</b>
Ashfield	†	†	†	†	<b>†</b>	†	†	<5	<5	<b>&lt;5</b>	†	†	<b>†</b>
Ashland	5	9	7	5	<b>26</b>	<5	<5	9	<5	<b>19</b>	<5	<5	<b>8</b>
Athol	7	14	13	8	<b>42</b>	19	34	18	21	<b>92</b>	6	6	<b>12</b>
Attleboro	43	35	49	31	<b>158</b>	45	35	49	42	<b>171</b>	33	72	<b>105</b>
Auburn	6	11	7	7	<b>31</b>	8	16	7	5	<b>36</b>	†	<5	<5
Avon	<5	<5	<5	†	<b>8</b>	†	5	<5	<5	<b>12</b>	<5	<5	<5
Ayer	<5	<5	<5	<5	<b>9</b>	5	8	<5	<5	<b>18</b>	5	9	<b>14</b>
Barnstable	66	52	94	46	<b>258</b>	42	45	48	37	<b>172</b>	44	35	<b>79</b>
Barre	6	<5	5	<5	<b>14</b>	6	<5	8	<5	<b>18</b>	9	7	<b>16</b>
Becket	†	<5	†	<5	<b>&lt;5</b>	†	†	<5	†	<b>&lt;5</b>	<5	<5	<5
Bedford	*	9	8	<5	<b>24</b>	7	8	*	<5	<b>23</b>	5	8	<b>13</b>
Belchertown	<5	6	*	6	<b>20</b>	10	9	*	<5	<b>30</b>	<5	<5	<b>5</b>
Bellingham	11	16	6	13	<b>46</b>	9	†	5	7	<b>21</b>	<5	*	<b>12</b>
Belmont	<5	8	12	*	<b>29</b>	8	9	<5	<5	<b>23</b>	8	8	<b>16</b>
Berkley	<5	<5	<5	<5	<b>9</b>	<5	<5	<5	<5	<b>9</b>	<5	<5	<b>5</b>
Berlin	<5	†	<5	†	<b>&lt;5</b>	<5	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Bernardston	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Beverly	28	37	26	24	<b>115</b>	23	22	33	25	<b>103</b>	18	32	<b>50</b>
Billerica	20	15	45	20	<b>100</b>	33	18	19	14	<b>84</b>	18	20	<b>38</b>
Blackstone	<5	9	13	*	<b>31</b>	*	10	<5	7	<b>27</b>	<5	*	<b>9</b>
Blandford	†	†	†	†	<b>†</b>	†	†	†	<5	<b>&lt;5</b>	†	†	<b>†</b>
Bolton	<5	†	<5	†	<b>5</b>	<5	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Boston	347	845	1209	911	<b>3312</b>	797	911	922	685	<b>3315</b>	664	875	<b>1539</b>

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City/Town	<u>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Bourne	15	33	20	22	<b>90</b>	5	17	19	19	<b>60</b>	10	9	<b>19</b>
Boxborough	†	<5	<5	<5	<b>8</b>	†	†	†	<5	<b>&lt;5</b>	<5	†	<b>&lt;5</b>
Boxford	<5	<5	†	†	<b>&lt;5</b>	<5	<5	<5	<5	<b>5</b>	<5	<5	<b>&lt;5</b>
Boylston	†	†	<5	†	<b>&lt;5</b>	†	<5	†	†	<b>&lt;5</b>	†	<5	<b>&lt;5</b>
Braintree	25	34	40	29	<b>128</b>	22	37	26	16	<b>101</b>	18	12	<b>30</b>
Brewster	†	6	<5	<5	<b>13</b>	<5	<5	5	<5	<b>13</b>	<5	<5	<b>5</b>
Bridgewater	<5	<5	<5	<5	<b>7</b>	†	<5	*	17	<b>30</b>	6	9	<b>15</b>
Brimfield	†	†	†	†	<b>†</b>	†	†	†	<5	<b>&lt;5</b>	<5	<5	<b>&lt;5</b>
Brockton	211	193	276	207	<b>887</b>	174	250	240	179	<b>843</b>	159	167	<b>326</b>
Brookfield	<5	<5	<5	<5	<b>9</b>	†	<5	<5	<5	<b>5</b>	<5	†	<b>&lt;5</b>
Brookline	13	20	14	13	<b>60</b>	10	11	13	11	<b>45</b>	14	13	<b>27</b>
Buckland	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Burlington	10	15	21	15	<b>61</b>	9	10	15	13	<b>47</b>	11	9	<b>20</b>
Cambridge	102	94	110	75	<b>381</b>	72	99	86	97	<b>354</b>	82	69	<b>151</b>
Canton	9	9	9	14	<b>41</b>	*	8	8	<5	<b>28</b>	*	<5	<b>10</b>
Carlisle	†	†	<5	†	<b>&lt;5</b>	†	<5	†	<5	<b>6</b>	†	†	<b>†</b>
Carver	10	13	8	11	<b>42</b>	<5	6	12	<5	<b>23</b>	7	10	<b>17</b>
Charlemont	†	†	†	†	<b>†</b>	<5	†	†	<5	<b>&lt;5</b>	†	<5	<b>&lt;5</b>
Charlton	<5	<5	<5	<5	<b>11</b>	<5	5	<5	<5	<b>13</b>	<5	*	<b>8</b>
Chatham	5	<5	<5	<5	<b>12</b>	<5	<5	<5	<5	<b>9</b>	†	<5	<b>&lt;5</b>
Chelmsford	22	15	16	15	<b>68</b>	20	15	15	14	<b>64</b>	6	13	<b>19</b>
Chelsea	51	86	93	44	<b>274</b>	73	73	73	41	<b>260</b>	37	52	<b>89</b>
Cheshire	<5	<5	†	†	<b>&lt;5</b>	<5	†	<5	<5	<b>5</b>	†	†	<b>†</b>
Chester	<5	†	<5	†	<b>&lt;5</b>	<5	†	†	†	<b>&lt;5</b>	<5	†	<b>&lt;5</b>
Chesterfield	†	†	<5	†	<b>&lt;5</b>	†	<5	†	<5	<b>&lt;5</b>	†	†	<b>†</b>
Chicopee	50	61	73	82	<b>266</b>	90	112	64	64	<b>330</b>	70	102	<b>172</b>
Chilmark	†	†	†	<5	<b>&lt;5</b>	<5	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Clarksburg	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Clinton	6	13	14	17	<b>50</b>	9	20	11	6	<b>46</b>	7	12	<b>19</b>
Cohasset	†	<5	<5	<5	<b>9</b>	†	†	<5	†	<b>&lt;5</b>	<5	†	<b>&lt;5</b>
Colrain	†	†	†	†	<b>†</b>	<5	†	<5	<5	<b>&lt;5</b>	†	<5	<b>&lt;5</b>
Concord	<5	<5	<5	<5	<b>12</b>	<5	5	<5	†	<b>11</b>	<5	†	<b>&lt;5</b>
Conway	†	†	†	†	<b>†</b>	†	†	†	<5	<b>&lt;5</b>	†	†	<b>†</b>
Cumington	†	†	<5	†	<b>&lt;5</b>	†	†	†	†	<b>†</b>	†	<5	<b>&lt;5</b>
Dalton	<5	<5	†	†	<b>&lt;5</b>	†	<5	<5	5	<b>12</b>	7	†	<b>7</b>
Danvers	31	42	39	40	<b>152</b>	49	45	33	35	<b>162</b>	40	30	<b>70</b>
Dartmouth	19	27	23	29	<b>98</b>	33	26	32	33	<b>124</b>	34	31	<b>65</b>

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City/Town	<u>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Dedham	18	15	22	15	<b>70</b>	14	23	8	7	<b>52</b>	13	15	<b>28</b>
Deerfield	†	<5	†	<5	<b>7</b>	†	<5	<5	5	<b>8</b>	<5	†	<5
Dennis	10	10	20	15	<b>55</b>	7	13	9	7	<b>36</b>	12	9	<b>21</b>
Dighton	<5	<5	†	†	<5	<5	<5	†	†	<5	<5	†	<5
Douglas	†	†	†	<5	<5	<5	<5	<5	<5	<b>11</b>	<5	*	<b>7</b>
Dover	†	†	<5	†	<5	<5	<5	<5	<5	<b>9</b>	†	†	†
Dracut	17	24	32	20	<b>93</b>	30	26	18	20	<b>94</b>	5	28	<b>33</b>
Dudley	<5	8	*	7	<b>24</b>	5	19	13	12	<b>49</b>	18	8	<b>26</b>
Dunstable	<5	†	<5	<5	<5	<5	†	†	†	<5	<5	*	<b>6</b>
Duxbury	<5	<5	<5	5	<b>13</b>	<5	<5	<5	<5	<b>10</b>	<5	<5	<b>7</b>
East Bridgewater	5	6	5	9	<b>25</b>	6	5	16	8	<b>35</b>	8	5	<b>13</b>
East Brookfield	†	†	<5	†	<5	†	†	†	†	†	†	†	†
East Longmeadow	8	5	5	7	<b>25</b>	*	<5	11	7	<b>27</b>	8	8	<b>16</b>
Eastham	<5	<5	5	†	<b>9</b>	<5	<5	<5	<5	<b>8</b>	<5	<5	<5
Easthampton	<5	*	12	5	<b>26</b>	5	11	7	6	<b>29</b>	*	<5	<b>12</b>
Easton	<5	<5	6	13	<b>22</b>	13	12	10	12	<b>47</b>	*	<5	<b>13</b>
Edgartown	<5	<5	<5	†	<b>5</b>	<5	†	<5	<5	<b>6</b>	<5	†	<5
Egremont	†	†	†	†	†	†	†	†	†	†	†	†	†
Erving	<5	†	†	<5	<5	†	<5	†	†	<5	<5	†	<5
Essex	<5	<5	<5	<5	<b>5</b>	<5	†	<5	†	<5	<5	†	<5
Everett	38	43	53	42	<b>176</b>	42	43	30	43	<b>158</b>	38	40	<b>78</b>
Fairhaven	11	15	12	13	<b>51</b>	*	20	†	<5	<b>29</b>	†	<5	<5
Fall River	204	177	265	261	<b>907</b>	177	274	388	284	<b>1123</b>	194	265	<b>459</b>
Falmouth	40	49	31	34	<b>154</b>	35	35	34	35	<b>139</b>	41	34	<b>75</b>
Fitchburg	79	79	106	82	<b>346</b>	66	80	83	46	<b>275</b>	86	74	<b>160</b>
Florida	†	†	†	†	†	†	†	†	†	†	†	†	†
Foxborough	14	10	11	7	<b>42</b>	5	9	13	†	<b>27</b>	†	<5	<5
Framingham	47	37	52	57	<b>193</b>	42	65	52	50	<b>209</b>	43	65	<b>108</b>
Franklin	16	15	*	<5	<b>47</b>	9	9	5	10	<b>33</b>	7	11	<b>18</b>
Freetown	<5	<5	<5	<5	<b>11</b>	<5	8	5	<5	<b>19</b>	<5	<5	<5
Gardner	24	14	20	13	<b>71</b>	12	27	29	35	<b>103</b>	24	30	<b>54</b>
Georgetown	<5	<5	<5	<5	<b>8</b>	*	<5	†	7	<b>16</b>	<5	*	<b>9</b>
Gill	†	†	†	†	†	†	<5	<5	<5	<b>7</b>	†	†	†
Gloucester	18	27	44	31	<b>120</b>	31	29	32	20	<b>112</b>	15	32	<b>47</b>
Goshen	†	†	†	†	†	†	†	†	†	†	†	<5	<5

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City/Town	<u>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Gosnold	†	†	†	†	†	†	†	†	†	†	†	†	†
Grafton	*	7	10	<5	<b>25</b>	<5	7	<5	8	<b>19</b>	<5	*	<b>9</b>
Granby	<5	<5	6	11	<b>19</b>	*	8	<5	6	<b>23</b>	<5	†	<5
Granville	†	†	†	†	†	†	†	†	†	†	<5	†	<5
Great Barrington	<5	<5	<5	<5	<b>13</b>	<5	<5	5	7	<b>18</b>	5	7	<b>12</b>
Greenfield	12	17	20	9	<b>58</b>	15	11	25	17	<b>68</b>	27	28	<b>55</b>
Groton	<5	<5	†	†	<5	<5	<5	†	†	<b>5</b>	†	†	†
Groveland	<5	<5	†	<5	<b>7</b>	†	<5	<5	<5	<b>6</b>	†	<5	<5
Hadley	<5	6	7	<5	<b>19</b>	<5	<5	<5	<5	<b>12</b>	<5	<5	<5
Halifax	<5	<5	5	11	<b>22</b>	8	5	<5	<5	<b>20</b>	<5	<5	<b>7</b>
Hamilton	<5	<5	<5	<5	<b>7</b>	†	<5	†	<5	<5	<5	†	<5
Hampden	<5	<5	5	†	<b>8</b>	5	<5	<5	6	<b>17</b>	<5	*	<b>10</b>
Hancock	†	<5	†	†	<5	†	†	†	†	†	†	†	†
Hanover	<5	5	5	<5	<b>17</b>	<5	5	<5	<5	<b>12</b>	*	<5	<b>10</b>
Hanson	<5	8	<5	<5	<b>20</b>	11	<5	*	5	<b>22</b>	*	<5	<b>8</b>
Hardwick	<5	†	†	†	<5	<5	<5	<5	<5	<b>7</b>	<5	<5	<5
Harvard	<5	†	†	<5	<5	†	†	†	<5	<5	<5	†	<5
Harwich	11	7	10	9	<b>37</b>	6	9	<5	<5	<b>23</b>	*	<5	<b>8</b>
Hatfield	†	<5	<5	†	<b>6</b>	<5	<5	†	<5	<5	†	<5	<5
Haverhill	90	87	126	82	<b>385</b>	80	86	78	83	<b>327</b>	60	58	<b>118</b>
Hawley	†	†	†	†	†	†	†	†	†	†	†	†	†
Heath	<5	†	†	<5	<5	†	†	†	†	†	†	†	†
Hingham	<5	<5	5	<5	<b>12</b>	6	<5	<5	5	<b>15</b>	5	†	<b>5</b>
Hinsdale	†	†	†	†	†	†	<5	<5	<5	<b>5</b>	†	<5	<5
Holbrook	17	17	18	9	<b>61</b>	8	12	12	6	<b>38</b>	<5	*	<b>13</b>
Holden	<5	<5	5	<5	<b>12</b>	<5	<5	<5	<5	<b>11</b>	<5	<5	<5
Holland	†	†	<5	†	<5	<5	<5	†	†	<5	†	†	†
Holliston	<5	<5	<5	5	<b>14</b>	<5	<5	†	<5	<b>6</b>	<5	*	<b>8</b>
Holyoke	59	70	89	69	<b>287</b>	89	169	109	92	<b>459</b>	114	134	<b>248</b>
Hopedale	<5	<5	<5	<5	<b>7</b>	<5	<5	†	<5	<b>9</b>	<5	*	<b>8</b>
Hopkinton	<5	6	<5	<5	<b>14</b>	6	<5	7	<5	<b>18</b>	<5	<5	<b>5</b>
Hubbardston	<5	<5	<5	†	<b>7</b>	<5	†	<5	6	<b>8</b>	<5	†	<5
Hudson	8	6	9	10	<b>33</b>	7	11	8	7	<b>33</b>	8	5	<b>13</b>
Hull	<5	<5	<5	†	<b>8</b>	<5	<5	8	<5	<b>13</b>	<5	<5	<b>7</b>
Huntington	†	†	<5	†	<5	<5	†	†	†	<5	†	†	†
Ipswich	8	9	<5	*	<b>27</b>	<5	<5	10	<5	<b>18</b>	<5	<5	<5

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City/Town	<u>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Kingston	6	5	11	5	<b>27</b>	12	7	<5	<5	<b>26</b>	<5	*	<b>13</b>
Lakeville	19	16	24	30	<b>89</b>	22	19	26	23	<b>90</b>	15	25	<b>40</b>
Lancaster	†	<5	<5	<5	<b>7</b>	<5	<5	8	<5	<b>14</b>	<5	<5	<b>5</b>
Lanesborough	†	<5	†	†	<5	†	†	<5	<5	<b>5</b>	<5	<5	<5
Lawrence	157	185	255	220	<b>817</b>	183	177	190	138	<b>688</b>	137	151	<b>288</b>
Lee	<5	<5	<5	<5	<b>9</b>	<5	<5	<5	<5	<b>10</b>	<5	†	<5
Leicester	10	7	6	8	<b>31</b>	6	5	<5	<5	<b>19</b>	7	7	<b>14</b>
Lenox	<5	5	<5	<5	<b>11</b>	†	<5	<5	†	<5	<5	<5	<b>6</b>
Leominster	68	57	73	57	<b>255</b>	47	64	56	72	<b>239</b>	50	56	<b>106</b>
Leverett	<5	†	†	†	<5	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Lexington	5	<5	5	<5	<b>16</b>	<5	<5	<5	<5	<b>7</b>	<5	<5	<b>5</b>
Leyden	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Lincoln	<5	<5	<5	<5	<b>10</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Littleton	<5	<5	<5	<5	<b>11</b>	†	†	<5	<5	<5	<5	*	<b>6</b>
Longmeadow	<5	<5	<5	<5	<b>9</b>	<5	<5	<5	7	<b>16</b>	<5	<5	<b>6</b>
Lowell	357	399	400	310	<b>1466</b>	336	304	337	290	<b>1267</b>	188	200	<b>388</b>
Ludlow	11	6	17	12	<b>46</b>	10	19	12	10	<b>51</b>	10	9	<b>19</b>
Lunenburg	<5	<5	<5	<5	<b>8</b>	<5	*	9	8	<b>27</b>	<5	<5	<b>7</b>
Lynn	126	154	183	158	<b>621</b>	121	163	211	119	<b>614</b>	100	136	<b>236</b>
Lynnfield	5	<5	<5	<5	<b>11</b>	5	<5	<5	8	<b>18</b>	<5	<5	<5
Malden	34	55	75	44	<b>208</b>	55	51	58	47	<b>211</b>	27	57	<b>84</b>
Manchester	<5	<5	†	<5	<b>6</b>	†	†	†	<5	<5	<5	†	<5
Mansfield	7	11	8	18	<b>44</b>	9	13	8	8	<b>38</b>	8	19	<b>27</b>
Marblehead	9	5	7	10	<b>31</b>	<5	6	9	<5	<b>19</b>	<5	<5	<b>6</b>
Marion	<5	<5	<5	<5	<b>9</b>	<5	<5	<5	<5	<b>7</b>	<5	<5	<b>6</b>
Marlborough	11	9	19	17	<b>56</b>	22	14	22	24	<b>82</b>	17	19	<b>36</b>
Marshfield	8	7	12	17	<b>44</b>	8	11	<5	*	<b>30</b>	5	14	<b>19</b>
Mashpee	16	17	10	11	<b>54</b>	9	12	9	8	<b>38</b>	10	11	<b>21</b>
Mattapoissett	<5	<5	6	5	<b>15</b>	5	<5	10	<5	<b>19</b>	*	<5	<b>9</b>
Maynard	8	10	<5	<5	<b>24</b>	<5	<5	<5	<5	<b>8</b>	<5	<5	<b>5</b>
Medfield	5	<5	<5	<5	<b>11</b>	†	<5	<5	<5	<b>6</b>	<5	<5	<b>5</b>
Medford	17	24	31	28	<b>100</b>	18	22	37	22	<b>99</b>	26	29	<b>55</b>
Medway	*	8	17	<5	<b>36</b>	8	5	7	7	<b>27</b>	8	9	<b>17</b>
Melrose	6	5	15	7	<b>33</b>	9	8	5	5	<b>27</b>	<5	*	<b>11</b>
Mendon	<5	5	†	<5	<b>7</b>	<5	†	<5	<5	<b>8</b>	<5	<5	<b>5</b>
Merrimac	<5	<5	7	5	<b>16</b>	6	†	<5	<5	<b>10</b>	<5	<5	<5
Methuen	30	41	61	46	<b>178</b>	39	24	12	43	<b>118</b>	44	48	<b>92</b>

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City/Town	<u>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Middleborough	<5	<5	<5	5	<b>10</b>	<5	<5	†	<5	<b>&lt;5</b>	†	<5	<b>&lt;5</b>
Middlefield	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Middleton	<5	<5	7	8	<b>21</b>	14	<5	*	8	<b>32</b>	<5	*	<b>13</b>
Milford	12	27	13	18	<b>70</b>	20	15	10	25	<b>70</b>	24	17	<b>41</b>
Millbury	12	11	10	15	<b>48</b>	9	15	13	11	<b>48</b>	9	8	<b>17</b>
Millis	6	<5	5	<5	<b>15</b>	7	†	<5	<5	<b>14</b>	<5	<5	<b>5</b>
Millville	†	†	<5	<5	<b>7</b>	<5	<5	†	<5	<b>7</b>	†	<5	<b>&lt;5</b>
Milton	9	10	10	5	<b>34</b>	11	<5	7	*	<b>26</b>	<5	<5	<b>5</b>
Monroe	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Monson	<5	<5	7	<5	<b>18</b>	<5	<5	<5	<5	<b>12</b>	<5	<5	<b>5</b>
Montague	6	*	8	<5	<b>23</b>	<5	11	*	6	<b>26</b>	<5	*	<b>13</b>
Monterey	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Montgomery	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Mount Washington	†	†	†	†	<b>†</b>	†	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Nahant	†	<5	<5	†	<b>6</b>	<5	<5	†	<5	<b>7</b>	†	<5	<b>&lt;5</b>
Nantucket	<5	<5	<5	<5	<b>11</b>	<5	<5	5	5	<b>14</b>	†	†	<b>†</b>
Natick	7	6	8	9	<b>30</b>	8	7	8	11	<b>34</b>	17	14	<b>31</b>
Needham	<5	†	<5	<5	<b>7</b>	<5	5	<5	<5	<b>10</b>	*	<5	<b>7</b>
New Ashford	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
New Bedford	126	210	246	138	<b>720</b>	153	272	205	136	<b>766</b>	196	157	<b>353</b>
New Braintree	†	<5	†	†	<b>&lt;5</b>	†	†	<5	†	<b>&lt;5</b>	†	<5	<b>&lt;5</b>
New Marlborough	†	<5	†	†	<b>&lt;5</b>	†	†	<5	<5	<b>&lt;5</b>	<5	†	<b>&lt;5</b>
New Salem	†	<5	<5	†	<b>&lt;5</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Newbury	<5	<5	†	<5	<b>6</b>	†	<5	<5	5	<b>9</b>	<5	<5	<b>5</b>
Newburyport	5	<5	9	<5	<b>18</b>	<5	6	<5	<5	<b>18</b>	<5	<5	<b>7</b>
Newton	19	19	16	18	<b>72</b>	21	15	14	19	<b>69</b>	11	19	<b>30</b>
Norfolk	<5	<5	<5	<5	<b>7</b>	<5	<5	<5	†	<b>5</b>	<5	<5	<b>5</b>
North Adams	10	10	18	15	<b>53</b>	18	27	30	13	<b>88</b>	27	26	<b>53</b>
North Andover	21	15	16	25	<b>77</b>	13	*	13	<5	<b>37</b>	12	11	<b>23</b>
North Attleboro	12	29	22	22	<b>85</b>	21	19	15	18	<b>73</b>	9	18	<b>27</b>
North Brookfield	†	<5	†	<5	<b>5</b>	<5	†	†	†	<b>&lt;5</b>	†	†	<b>†</b>
North Reading	<5	10	<5	<5	<b>19</b>	<5	6	<5	10	<b>23</b>	<5	*	<b>8</b>
Northampton	30	22	18	23	<b>93</b>	16	31	22	25	<b>94</b>	32	16	<b>48</b>



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City/Town	<u>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Northborough	<5	<5	7	<5	<b>15</b>	<5	7	<5	9	<b>21</b>	*	<5	<b>10</b>
Northbridge	5	6	9	7	<b>27</b>	7	15	12	6	<b>40</b>	6	10	<b>16</b>
Northfield	†	†	<5	<5	<b>&lt;5</b>	<5	<5	†	<5	<b>&lt;5</b>	†	†	<b>†</b>
Norton	<5	<5	9	7	<b>24</b>	11	10	6	5	<b>32</b>	<5	*	<b>11</b>
Norwell	*	7	<5	6	<b>22</b>	<5	5	<5	5	<b>17</b>	5	5	<b>10</b>
Norwood	18	17	21	14	<b>70</b>	14	16	22	8	<b>60</b>	18	12	<b>30</b>
Oak Bluffs	<5	†	<5	<5	<b>5</b>	<5	<5	†	<5	<b>5</b>	<5	<5	<b>&lt;5</b>
Oakham	<5	†	<5	†	<b>&lt;5</b>	<5	<5	†	†	<b>&lt;5</b>	†	†	<b>†</b>
Orange	8	<5	5	<5	<b>20</b>	<5	12	10	*	<b>29</b>	9	8	<b>17</b>
Orleans	5	<5	<5	<5	<b>11</b>	<5	<5	<5	7	<b>16</b>	<5	<5	<b>&lt;5</b>
Otis	†	†	†	†	<b>†</b>	†	<5	†	†	<b>&lt;5</b>	†	†	<b>†</b>
Oxford	12	*	<5	12	<b>37</b>	<5	14	*	20	<b>50</b>	9	9	<b>18</b>
Palmer	<5	10	*	9	<b>29</b>	9	15	14	8	<b>46</b>	10	10	<b>20</b>
Paxton	<5	<5	<5	†	<b>6</b>	<5	<5	<5	<5	<b>9</b>	<5	<5	<b>&lt;5</b>
Peabody	36	39	56	42	<b>173</b>	45	57	40	35	<b>177</b>	32	32	<b>64</b>
Pelham	†	†	<5	†	<b>&lt;5</b>	†	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Pembroke	12	8	7	5	<b>32</b>	7	6	†	7	<b>20</b>	5	8	<b>13</b>
Pepperell	<5	<5	6	<5	<b>14</b>	7	<5	<5	<5	<b>14</b>	<5	<5	<b>&lt;5</b>
Peru	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Petersham	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	<5	†	<b>&lt;5</b>
Phillipston	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Pittsfield	17	44	36	16	<b>113</b>	25	52	68	63	<b>208</b>	37	46	<b>83</b>
Plainfield	†	<5	<5	<5	<b>5</b>	<5	†	<5	<5	<b>6</b>	<5	<5	<b>&lt;5</b>
Plainville	8	6	5	7	<b>26</b>	<5	<5	5	<5	<b>15</b>	<5	*	<b>13</b>
Plymouth	59	68	84	69	<b>280</b>	39	76	41	51	<b>207</b>	51	43	<b>94</b>
Plympton	<5	<5	†	†	<b>&lt;5</b>	†	<5	<5	<5	<b>&lt;5</b>	†	<5	<b>&lt;5</b>
Princeton	†	<5	<5	<5	<b>6</b>	<5	<5	†	<5	<b>5</b>	†	<5	<b>&lt;5</b>
Provincetown	<5	<5	<5	†	<b>9</b>	†	<5	16	<5	<b>24</b>	<5	*	<b>15</b>
Quincy	104	106	186	97	<b>493</b>	113	128	135	80	<b>456</b>	85	95	<b>180</b>
Randolph	20	14	20	24	<b>78</b>	10	9	15	25	<b>59</b>	16	20	<b>36</b>
Raynham	6	10	12	9	<b>37</b>	13	12	10	16	<b>51</b>	8	14	<b>22</b>
Reading	<5	*	12	13	<b>37</b>	8	*	6	<5	<b>24</b>	<5	<5	<b>5</b>
Rehoboth	<5	<5	<5	<5	<b>10</b>	†	†	<5	<5	<b>&lt;5</b>	<5	†	<b>&lt;5</b>
Revere	57	69	82	59	<b>267</b>	67	77	73	57	<b>274</b>	42	56	<b>98</b>
Richmond	†	†	†	†	<b>†</b>	†	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Rochester	<5	†	<5	<5	<b>7</b>	<5	<5	†	<5	<b>6</b>	†	5	<b>5</b>
Rockland	19	19	24	22	<b>84</b>	17	16	12	14	<b>59</b>	10	9	<b>19</b>

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	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Rockport	<5	*	†	6	<b>13</b>	†	†	<5	<5	<b>&lt;5</b>	<5	†	<5
Rowe	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Rowley	<5	<5	<5	†	<b>&lt;5</b>	†	<5	<5	<5	<b>6</b>	<5	†	<5
Royalston	†	†	†	<5	<b>&lt;5</b>	<5	<5	†	†	<b>&lt;5</b>	†	†	<b>†</b>
Russell	<5	<5	†	<5	<b>&lt;5</b>	<5	<5	†	†	<b>&lt;5</b>	<5	<5	<b>5</b>
Rutland	7	<5	<5	<5	<b>14</b>	<5	<5	<5	†	<b>5</b>	<5	<5	<b>6</b>
Salem	57	59	81	46	<b>243</b>	42	54	54	38	<b>188</b>	33	29	<b>62</b>
Salisbury	19	25	34	30	<b>108</b>	17	21	28	17	<b>83</b>	9	7	<b>16</b>
Sandisfield	<5	†	†	†	<b>&lt;5</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Sandwich	14	9	6	11	<b>40</b>	10	12	*	<5	<b>35</b>	7	7	<b>14</b>
Saugus	25	32	32	28	<b>117</b>	29	27	24	18	<b>98</b>	33	30	<b>63</b>
Savoy	†	†	†	†	<b>†</b>	†	†	†	†	<b>†</b>	†	†	<b>†</b>
Scituate	<5	<5	7	<5	<b>14</b>	<5	<5	5	6	<b>16</b>	<5	<5	<b>7</b>
Seekonk	5	11	9	7	<b>32</b>	<5	<5	6	8	<b>19</b>	*	<5	<b>10</b>
Sharon	<5	<5	<5	7	<b>19</b>	5	<5	<5	<5	<b>15</b>	<5	<5	<5
Sheffield	†	<5	<5	<5	<b>7</b>	†	†	<5	<5	<b>5</b>	<5	<5	<5
Shelburne	<5	†	<5	†	<b>&lt;5</b>	†	<5	<5	†	<b>&lt;5</b>	<5	<5	<5
Sherborn	†	†	†	<5	<b>&lt;5</b>	<5	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Shirley	*	<5	7	6	<b>21</b>	7	8	6	5	<b>26</b>	<5	*	<b>9</b>
Shrewsbury	8	20	14	19	<b>61</b>	25	25	15	14	<b>79</b>	16	12	<b>28</b>
Shutesbury	†	†	†	†	<b>†</b>	<5	†	<5	†	<b>&lt;5</b>	†	†	<b>†</b>
Somerset	7	11	15	14	<b>47</b>	12	15	*	<5	<b>36</b>	<5	*	<b>14</b>
Somerville	29	43	47	27	<b>146</b>	32	33	38	27	<b>130</b>	26	33	<b>59</b>
South Hadley	†	†	<5	<5	<b>5</b>	<5	12	14	*	<b>35</b>	10	5	<b>15</b>
Southampton	<5	<5	†	<5	<b>&lt;5</b>	†	<5	*	†	<b>8</b>	<5	<5	<5
Southborough	†	†	<5	<5	<b>5</b>	<5	<5	7	†	<b>9</b>	<5	†	<5
Southbridge	7	16	22	27	<b>72</b>	8	20	24	24	<b>76</b>	33	20	<b>53</b>
Southwick	9	<5	<5	8	<b>24</b>	5	10	5	11	<b>31</b>	5	7	<b>12</b>
Spencer	10	6	9	10	<b>35</b>	5	12	5	7	<b>29</b>	8	10	<b>18</b>
Springfield	127	200	243	178	<b>748</b>	185	291	267	209	<b>952</b>	233	312	<b>545</b>
Sterling	<5	<5	<5	<5	<b>10</b>	*	6	9	<5	<b>22</b>	<5	*	<b>10</b>
Stockbridge	<5	†	†	<5	<b>5</b>	†	<5	†	†	<b>&lt;5</b>	<5	†	<5
Stoneham	11	11	24	9	<b>55</b>	13	10	10	6	<b>39</b>	5	13	<b>18</b>
Stoughton	15	17	20	14	<b>66</b>	33	24	26	22	<b>105</b>	24	25	<b>49</b>
Stow	<5	6	<5	<5	<b>13</b>	<5	†	<5	<5	<b>6</b>	†	†	<b>†</b>
Sturbridge	<5	<5	<5	9	<b>20</b>	<5	10	9	*	<b>27</b>	*	<5	<b>9</b>
Sudbury	<5	<5	<5	<5	<b>7</b>	<5	<5	<5	<5	<b>11</b>	†	<5	<5

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>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
Sunderland	†	<5	†	†	<5	<5	†	<5	<5	<5	†	<5	<5
Sutton	<5	<5	<5	<5	<b>12</b>	6	<5	<5	7	<b>19</b>	<5	<5	<b>7</b>
Swampscott	<5	6	6	<5	<b>18</b>	<5	5	<5	<5	<b>13</b>	<5	*	<b>7</b>
Swansea	11	*	16	<5	<b>35</b>	*	13	<5	12	<b>39</b>	*	<5	<b>17</b>
Taunton	44	84	98	80	<b>306</b>	63	83	75	71	<b>292</b>	55	50	<b>105</b>
Templeton	5	<5	6	<5	<b>15</b>	6	<5	*	6	<b>21</b>	6	7	<b>13</b>
Tewksbury	47	53	32	22	<b>154</b>	51	29	32	23	<b>135</b>	18	29	<b>47</b>
Tisbury	<5	<5	<5	†	<b>8</b>	†	†	<5	<5	<b>5</b>	<5	<5	<5
Tolland	†	†	†	†	†	†	†	†	†	†	†	†	†
Topsfield	<5	6	†	<5	<b>9</b>	<5	†	†	<5	<b>6</b>	<5	<5	<5
Townsend	<5	<5	†	<5	<b>10</b>	*	9	<5	†	<b>16</b>	<5	<5	<5
Truro	†	†	†	<5	<5	<5	<5	<5	<5	<b>5</b>	†	†	†
Tyngsborough	<5	*	9	7	<b>24</b>	12	10	<5	<5	<b>30</b>	<5	<5	<b>7</b>
Tyringham	†	†	†	†	†	†	†	†	†	†	†	†	†
Upton	†	<5	<5	<5	<b>11</b>	<5	<5	<5	<5	<b>6</b>	<5	*	<b>10</b>
Uxbridge	6	5	7	7	<b>25</b>	<5	11	5	<5	<b>23</b>	*	<5	<b>8</b>
Wakefield	10	21	24	14	<b>69</b>	9	19	13	12	<b>53</b>	20	11	<b>31</b>
Wales	†	†	<5	<5	<5	<5	<5	<5	†	<b>5</b>	†	<5	<5
Walpole	8	8	8	7	<b>31</b>	10	17	13	6	<b>46</b>	6	10	<b>16</b>
Waltham	23	38	47	26	<b>134</b>	34	33	28	21	<b>116</b>	20	31	<b>51</b>
Ware	<5	6	12	<5	<b>23</b>	8	11	10	8	<b>37</b>	7	9	<b>16</b>
Wareham	42	39	53	55	<b>189</b>	39	45	54	38	<b>176</b>	35	34	<b>69</b>
Warren	6	<5	<5	†	<b>13</b>	<5	6	<5	<5	<b>15</b>	*	<5	<b>10</b>
Warwick	†	<5	†	†	<5	†	†	<5	†	<5	†	†	†
Washington	†	†	†	<5	<5	†	†	†	†	†	†	†	†
Watertown	6	13	15	14	<b>48</b>	16	19	20	11	<b>66</b>	9	12	<b>21</b>
Wayland	<5	<5	<5	<5	<b>6</b>	<5	†	†	†	<5	<5	†	<5
Webster	17	19	27	20	<b>83</b>	15	33	41	38	<b>127</b>	37	39	<b>76</b>
Wellesley	<5	<5	<5	6	<b>14</b>	<5	<5	<5	6	<b>15</b>	<5	<5	<5
Wellfleet	†	*	5	<5	<b>11</b>	†	<5	<5	<5	<b>5</b>	†	5	<b>5</b>
Wendell	†	†	†	†	†	†	†	†	†	†	†	<5	<5
Wenham	<5	†	<5	<5	<5	†	<5	†	<5	<5	†	†	†
West Boylston	6	<5	<5	6	<b>17</b>	<5	5	7	<5	<b>19</b>	7	5	<b>12</b>
West Bridgewater	<5	5	<5	11	<b>22</b>	<5	7	<5	<5	<b>13</b>	<5	<5	<b>5</b>
West Brookfield	<5	<5	<5	5	<b>10</b>	<5	<5	<5	<5	<b>10</b>	<5	<5	<5

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City/Town	<u>2017</u>					<u>2018</u>					<u>2019</u>		
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Total
West Newbury	†	†	<5	†	<5	<5	†	†	†	<5	†	†	†
West Springfield	11	15	40	23	<b>89</b>	23	38	23	22	<b>106</b>	30	29	<b>59</b>
West Stockbridge	†	†	†	†	†	†	<5	†	†	<5	†	†	†
West Tisbury	†	<5	<5	†	<5	†	†	†	†	†	<5	†	<5
Westborough	5	†	10	11	<b>26</b>	14	13	8	12	<b>47</b>	15	13	<b>28</b>
Westfield	13	16	21	21	<b>71</b>	31	28	20	15	<b>94</b>	21	24	<b>45</b>
Westford	6	10	5	6	<b>27</b>	8	10	<5	<5	<b>22</b>	<5	<5	<b>6</b>
Westhampton	<5	†	†	†	<5	<5	†	†	†	<5	†	†	†
Westminster	<5	5	<5	8	<b>21</b>	*	<5	6	7	<b>22</b>	6	9	<b>15</b>
Weston	9	<5	<5	†	<b>11</b>	<5	<5	<5	†	<5	†	<5	<5
Westport	7	8	9	5	<b>29</b>	9	9	7	8	<b>33</b>	<5	*	<b>12</b>
Westwood	<5	5	<5	6	<b>13</b>	†	<5	<5	†	<5	<5	†	<5
Weymouth	51	60	76	64	<b>251</b>	56	52	31	41	<b>180</b>	43	49	<b>92</b>
Whately	<5	<5	†	<5	<5	†	†	<5	†	<5	<5	<5	<b>5</b>
Whitman	9	7	26	11	<b>53</b>	14	9	10	11	<b>44</b>	11	8	<b>19</b>
Wilbraham	5	8	6	8	<b>27</b>	8	13	8	11	<b>40</b>	*	<5	<b>15</b>
Williamsburg	<5	<5	<5	†	<b>5</b>	<5	†	†	†	<5	<5	†	<5
Williamstown	†	<5	<5	†	<5	<5	<5	†	<5	<b>7</b>	<5	<5	<b>7</b>
Wilmington	7	19	22	26	<b>74</b>	21	14	8	5	<b>48</b>	16	11	<b>27</b>
Winchendon	†	5	7	7	<b>19</b>	7	9	7	6	<b>29</b>	<5	*	<b>15</b>
Winchester	<5	†	<5	<5	<b>8</b>	<5	<5	<5	6	<b>14</b>	<5	*	<b>8</b>
Windsor	†	†	†	†	†	†	†	†	†	†	†	<5	<5
Winthrop	5	11	12	9	<b>37</b>	9	8	12	13	<b>42</b>	7	7	<b>14</b>
Woburn	45	37	46	29	<b>157</b>	33	39	27	32	<b>131</b>	27	29	<b>56</b>
Worcester	288	386	473	463	<b>1610</b>	362	471	482	465	<b>1780</b>	411	355	<b>766</b>
Worthington	†	<5	†	†	<5	†	†	†	†	†	†	†	†
Wrentham	6	7	9	6	<b>28</b>	<5	<5	<5	7	<b>16</b>	<5	*	<b>10</b>
Yarmouth	18	29	35	18	<b>100</b>	10	19	15	14	<b>58</b>	19	20	<b>39</b>
Unknown	49	48	64	55	<b>216</b>	36	33	7	9	<b>85</b>	<5	*	<b>9</b>
<b>Grand Total</b>	<b>4927</b>	<b>6150</b>	<b>7666</b>	<b>6144</b>	<b>24887</b>	<b>5673</b>	<b>6792</b>	<b>6595</b>	<b>5516</b>	<b>24576</b>	<b>5107</b>	<b>5767</b>	<b>10874</b>

**Technical Notes**

- This data brief was supported by funds made available from the Centers for Disease Control and Prevention, under B01OT009024. 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