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| **MA Opioid-RelatedEMS Incidents**  **2013-Q2 2020** |
| Massachusetts Department of Public Health POSTED: NOVEMBER 2020 |

**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-related 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-related 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 opioidrelated incidents 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 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).

**Results**

The percentage of EMS incidents that are considered opioid-related (Figure 1) increased on average 14.2% per six-month period from 2013 until mid-2016 and then began decreasing 2.4% per six-month period through mid-2020. The number of all EMS incidents involving naloxone administration (Figure 2) increased on average 16.3% per six-month period from 2013 until mid-2016 and then decreased 1.2% per six-month period through mid-2020. This pattern also closely resembles the 2013-2019 trend in the confirmed and estimated opioidrelated overdose death rate (see Opioid-Related Overdose Deaths among Massachusetts Residents, Figure 3). From Jan-Jun 2020, the greatest number of suspected opioid-related incidents treated by EMS continued to be among males aged 25-34, accounting for 23% of opioid-related incidents with a known age and sex. In the first 2 quarters of 2020, 56.9% of all opioid-related incidents were categorized as acute opioid overdoses, 19.9% were categorized as other opioid related incidents, 18.3% were categorized as opioid intoxicated incidents, 3.4% were categorized as opioid withdrawal incidents, and 1.5% were categorized as Dead on Arrival incidents. Naloxone was administered in 96% of the acute opioid overdoses during the first six months of 2020 (Figure 3).

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| --- | --- | --- | --- | --- | --- |
|  | **All Suspected Opioid Related Incidents by Sex: 2020 (Jan-Jun)** | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54 55-64 65+ Total** |
| Male | (1-4) | 439 | 2,214 | 1,925 | 1,176 756 267 6,777\* |
| Female | (1-4) | 245 | 971 | 806 | 449 346 185 3,002\* |
| Total | (1-4) | 684 | 3,185 | 2,731 | 1,625 1,102 452 9,779\*  \*Total of non-suppressed numbers |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ORI Severity Category** | **Jan 2020** | **All Suspected Opioid Related Incidents by Severity Category**  **Feb**  **2020** | **Mar 2020** | **April 2020** | **May**  **2020** | **June 2020** | **Total** |
| DOA Incidents | 20 | 22 | 24 | 26 | 34 | 26 | 152 |
| DOA % | 1.3% | 1.3% | 1.6% | 1.8% | 1.8% | 1.4% | 1.5% |
| Acute Overdose Incidents | 871 | 927 | 890 | 848 | 1,066 | 1,011 | 5,613 |
| Acute Overdose % | 54.5% | 56.1% | 59.0% | 59.0% | 57.4% | 55.8% | 56.9% |
| Opioid Intoxicated Incidents | 309 | 308 | 265 | 229 | 334 | 359 | 1,804 |
| Opioid Intoxicated % | 19.3% | 18.6% | 17.6% | 15.9% | 18.0% | 19.8% | 18.3% |
| Opioid Withdrawal Incidents | 59 | 59 | 43 | 46 | 56 | 69 | 332 |
| Opioid Withdrawal % | 3.7% | 3.6% | 2.8% | 3.2% | 3.0% | 3.8% | 3.4% |
| Other Opioid-Related Incidents | 338 | 337 | 287 | 289 | 367 | 348 | 1,966 |
| Other Opioid-Related % | 21.2% | 20.4% | 19.0% | 20.1%  1,653    1,509    1,438    1,857    1,813 | 19.8% | 19.2% | 19.9% |
| **Total** | 1,597 | 9,867 |

0

0.5

1

1.5

2

2.5

3

3.5

Jan-Jun

Jul-Dec

Jan-Jun

Jul-Dec

Jan-Jun

Jul-Dec

Jan-Jun

Jul-Dec

Jan-Jun

Jul-Dec

Jan-Jun

Jul-Dec

Jan-Jun

Jul-Dec

Jan-Jun

2013

2014

2015

2016

2017

2018

2019

2020

**Percent**

**Year**

**Figure 1: Percent of Opioid**

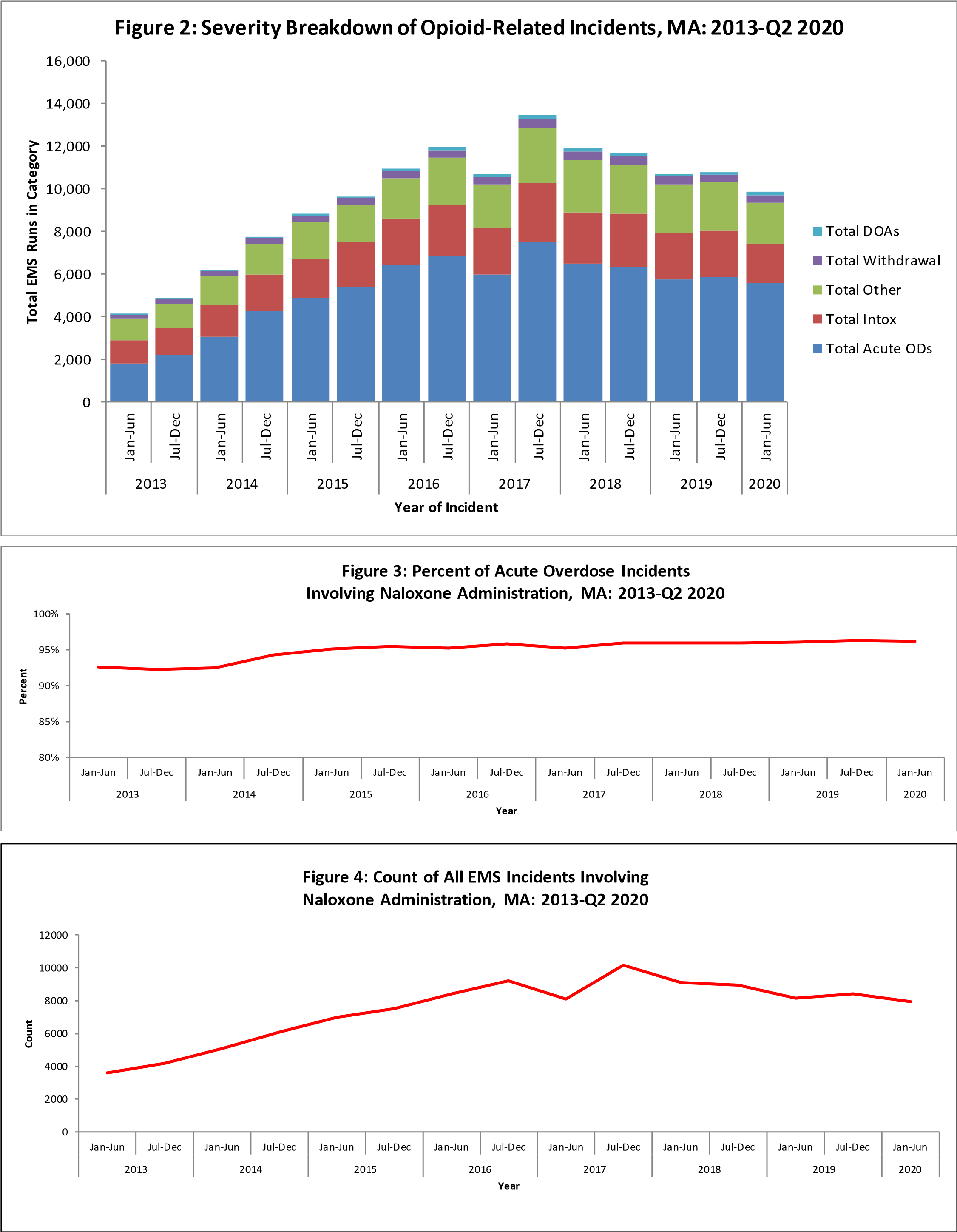
**-**

**Related Incidents**

**Among All EMS Incidents, MA: 2013**

**-**

**Q2 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 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 between 1 and 4. (1-4) indicates the cell value was between 1 and 4.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Abington | 7 | 9 | 5 | 8 | **29** | \* | 8 | 9 | (1-4) | **29** | \* | (1-4) | **14** |
| Acton | 7 | † | (1-4) | (1-4) | **14** | (1-4) | (1-4) | (1-4) | 6 | **12** | † | (1-4) | **(1-4)** |
| Acushnet | 7 | (1-4) | (1-4) | (1-4) | **16** | † | 6 | (1-4) | (1-4) | **9** | 8 | 9 | **17** |
| Adams | 9 | (1-4) | \* | 10 | **29** | 6 | (1-4) | (1-4) | (1-4) | **15** | 6 | 8 | **14** |
| Agawam | 26 | 27 | 22 | 13 | **88** | 14 | 28 | 12 | 16 | **70** | 13 | 23 | **36** |
| Alford | † | † | † | † | **†** | (1-4) | † | † | † | **(1-4)** | † | † | **†** |
| Amesbury | 9 | 7 | 13 | 6 | **35** | \* | 8 | (1-4) | 9 | **28** | 8 | 12 | **20** |
| Amherst | 11 | 7 | 7 | 12 | **37** | \* | 6 | (1-4) | 15 | **30** | 11 | 6 | **17** |
| Andover | 9 | 6 | 15 | 12 | **42** | 10 | 12 | 12 | 9 | **43** | 9 | 18 | **27** |
| Aquinnah | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Arlington | (1-4) | 12 | 12 | \* | **33** | 10 | 7 | 6 | 7 | **30** | 12 | 7 | **19** |
| Ashburnham | (1-4) | † | (1-4) | † | **(1-4)** | 6 | (1-4) | (1-4) | (1-4) | **14** | (1-4) | (1-4) | **(1-4)** |
| Ashby | (1-4) | (1-4) | (1-4) | † | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **10** | (1-4) | (1-4) | **(1-4)** |
| Ashfield | † | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** | † | † | **†** |
| Ashland | (1-4) | (1-4) | 8 | (1-4) | **18** | (1-4) | (1-4) | (1-4) | (1-4) | **14** | (1-4) | \* | **10** |
| Athol | 19 | 34 | 18 | 21 | **92** | 6 | 6 | 10 | 9 | **31** | 19 | 23 | **42** |
| Attleboro | 44 | 28 | 43 | 38 | **153** | 30 | 72 | 38 | 21 | **161** | (1-4) | \* | **13** |
| Auburn | 8 | 16 | 7 | 7 | **38** | 8 | 7 | 5 | 6 | **26** | 7 | 13 | **20** |
| Avon | † | 5 | (1-4) | (1-4) | **12** | (1-4) | (1-4) | (1-4) | (1-4) | **7** | (1-4) | \* | **9** |
| Ayer | \* | 8 | (1-4) | 6 | **22** | \* | 9 | (1-4) | 8 | **24** | (1-4) | \* | **10** |
| Barnstable | 42 | 46 | 49 | 35 | **172** | 43 | 35 | 41 | 35 | **154** | 53 | 43 | **96** |
| Barre | 6 | (1-4) | 7 | (1-4) | **17** | 8 | 7 | (1-4) | \* | **23** | 6 | 5 | **11** |
| Becket | † | † | (1-4) | † | **(1-4)** | (1-4) | (1-4) | (1-4) | † | **(1-4)** | † | (1-4) | **(1-4)** |
| Bedford | 7 | 8 | (1-4) | (1-4) | **21** | (1-4) | 8 | 7 | \* | **23** | 8 | 5 | **13** |
| Belchertown | 10 | 9 | \* | (1-4) | **30** | (1-4) | (1-4) | 5 | (1-4) | **14** | \* | (1-4) | **14** |
| Bellingham | 9 | 14 | 6 | 7 | **36** | (1-4) | 9 | 7 | (1-4) | **23** | \* | (1-4) | **11** |
| Belmont | 7 | 7 | (1-4) | (1-4) | **19** | 8 | 8 | (1-4) | (1-4) | **22** | \* | (1-4) | **9** |
| Berkley | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | (1-4) | (1-4) | **9** | † | (1-4) | **(1-4)** |
| Berlin | (1-4) | (1-4) | (1-4) | (1-4) | **5** | † | † | \* | (1-4) | **7** | 6 | † | **6** |
| Bernardston | † | † | † | † | **†** | † | † | † | † | **†** | (1-4) | (1-4) | **(1-4)** |
| Beverly | 23 | 22 | 33 | 25 | **103** | 18 | 31 | 22 | 24 | **95** | 26 | 24 | **50** |
| Billerica | 33 | 25 | 18 | 17 | **93** | 18 | 19 | 9 | 12 | **58** | 18 | 10 | **28** |
| Blackstone | \* | 10 | (1-4) | 7 | **26** | (1-4) | 7 | (1-4) | (1-4) | **15** | † | (1-4) | **(1-4)** |
| Blandford | † | † | † | (1-4) | **(1-4)** | † | † | † | † | **†** | † | † | **†** |
| Bolton | (1-4) | † | (1-4) | † | **(1-4)** | † | (1-4) | (1-4) | (1-4) | **5** | (1-4) | † | **(1-4)** |
| Boston | 758 | 870 | 897 | 673 | **3198** | 650 | 872 | 989 | 804 | **3315** | 718 | 923 | **1641** |

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|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Bourne | (1-4) | \* | 19 | 18 | **57** | 10 | 18 | 13 | 11 | **52** | 11 | 15 | **26** |
| Boxborough | † | † | † | (1-4) | **(1-4)** | (1-4) | † | † | † | **(1-4)** | † | † | **†** |
| Boxford | (1-4) | (1-4) | (1-4) | (1-4) | **5** | (1-4) | (1-4) | † | † | **(1-4)** | † | (1-4) | **(1-4)** |
| Boylston | † | (1-4) | † | † | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| Braintree | 24 | 37 | 25 | 17 | **103** | 18 | 12 | 19 | 21 | **70** | 18 | 17 | **35** |
| Brewster | (1-4) | (1-4) | 5 | (1-4) | **13** | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | **5** |
| Bridgewater | 13 | 23 | 23 | 16 | **75** | 9 | 9 | 12 | 8 | **38** | 19 | 9 | **28** |
| Brimfield | † | † | † | (1-4) | **(1-4)** | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | 5 | **5** |
| Brockton | 180 | 221 | 220 | 169 | **790** | 153 | 167 | 149 | 131 | **600** | 141 | 119 | **260** |
| Brookfield | † | (1-4) | (1-4) | (1-4) | **5** | (1-4) | † | (1-4) | (1-4) | **5** | (1-4) | (1-4) | **7** |
| Brookline | 10 | 11 | 13 | 11 | **45** | 13 | 12 | 8 | 5 | **38** | 9 | 7 | **16** |
| Buckland | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Burlington | 9 | 10 | 14 | 13 | **46** | 10 | 9 | 6 | 7 | **32** | 9 | 5 | **14** |
| Cambridge | 69 | 93 | 81 | 94 | **337** | 80 | 68 | 111 | 74 | **333** | 61 | 76 | **137** |
| Canton | \* | 8 | 8 | (1-4) | **28** | \* | (1-4) | 8 | 8 | **27** | \* | (1-4) | **14** |
| Carlisle | † | (1-4) | † | (1-4) | **(1-4)** | † | † | † | † | **†** | † | † | **†** |
| Carver | (1-4) | (1-4) | 12 | (1-4) | **21** | 7 | 10 | (1-4) | \* | **26** | (1-4) | \* | **8** |
| Charlemont | (1-4) | † | † | (1-4) | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| Charlton | (1-4) | 5 | (1-4) | (1-4) | **13** | (1-4) | 5 | (1-4) | (1-4) | **10** | (1-4) | \* | **7** |
| Chatham | (1-4) | (1-4) | (1-4) | (1-4) | **9** | † | (1-4) | (1-4) | (1-4) | **(1-4)** | (1-4) | † | **(1-4)** |
| Chelmsford | 16 | 14 | 10 | 13 | **53** | 6 | 12 | 9 | 10 | **37** | 18 | 9 | **27** |
| Chelsea | 71 | 72 | 72 | 41 | **256** | 36 | 53 | 68 | 58 | **215** | 24 | 28 | **52** |
| Cheshire | (1-4) | † | (1-4) | (1-4) | **5** | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Chester | (1-4) | † | † | † | **(1-4)** | (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) | **(1-4)** |
| Chicopee | 90 | 109 | 57 | 56 | **312** | 63 | 83 | 78 | 91 | **315** | 82 | 82 | **164** |
| Chilmark | (1-4) | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** | † | † | **†** |
| Clarksburg | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Clinton | 7 | 17 | 11 | 5 | **40** | 6 | 8 | (1-4) | (1-4) | **18** | 10 | 5 | **15** |
| Cohasset | † | † | (1-4) | † | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **(1-4)** | (1-4) | † | **(1-4)** |
| Colrain | (1-4) | † | (1-4) | (1-4) | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** | † | † | **†** |
| Concord | (1-4) | 5 | (1-4) | † | **10** | (1-4) | † | (1-4) | (1-4) | **10** | (1-4) | (1-4) | **5** |
| Conway | † | † | † | (1-4) | **(1-4)** | † | † | † | † | **†** | † | † | **†** |
| Cummington | † | † | † | † | **†** | † | (1-4) | † | (1-4) | **(1-4)** | † | † | **†** |
| Dalton | † | (1-4) | (1-4) | (1-4) | **10** | 5 | (1-4) | (1-4) | (1-4) | **10** | † | 7 | **7** |
| Danvers | 49 | 43 | 33 | 33 | **158** | 40 | 30 | 34 | 30 | **134** | 21 | 35 | **56** |
| Dartmouth | 33 | 26 | 32 | 33 | **124** | 35 | 39 | 29 | 40 | **143** | 19 | 17 | **36** |

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|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Dedham | 14 | 23 | 7 | 7 | **51** | 13 | 14 | 17 | 19 | **63** | 16 | 15 | **31** |
| Deerfield | † | (1-4) | (1-4) | 5 | **8** | (1-4) | † | (1-4) | (1-4) | **7** | (1-4) | † | **(1-4)** |
| Dennis | 9 | 13 | 9 | 7 | **38** | 11 | 8 | 8 | 14 | **41** | 8 | 11 | **19** |
| Dighton | (1-4) | (1-4) | † | † | **(1-4)** | (1-4) | † | (1-4) | † | **(1-4)** | (1-4) | † | **(1-4)** |
| Douglas | (1-4) | (1-4) | (1-4) | (1-4) | **11** | (1-4) | 5 | † | (1-4) | **10** | (1-4) | (1-4) | **5** |
| Dover | (1-4) | (1-4) | (1-4) | (1-4) | **8** | † | † | † | † | **†** | † | † | **†** |
| Dracut | 16 | 14 | 10 | 16 | **56** | (1-4) | 23 | 13 | \* | **52** | 14 | 13 | **27** |
| Dudley | 5 | 19 | 13 | 13 | **50** | 18 | 8 | 6 | 10 | **42** | 7 | 8 | **15** |
| Dunstable | (1-4) | † | † | † | **(1-4)** | (1-4) | (1-4) | † | † | **5** | (1-4) | (1-4) | **(1-4)** |
| Duxbury | (1-4) | (1-4) | (1-4) | (1-4) | **10** | (1-4) | (1-4) | (1-4) | (1-4) | **11** | (1-4) | (1-4) | **8** |
| East  Bridgewater | 7 | 5 | 16 | 8 | **36** | 9 | \* | 5 | (1-4) | **23** | 5 | 7 | **12** |
| East Brookfield | † | (1-4) | (1-4) | † | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| East  Longmeadow | \* | (1-4) | 9 | 7 | **24** | 8 | 8 | 7 | 8 | **31** | (1-4) | (1-4) | **(1-4)** |
| Eastham | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | (1-4) | † | **6** | (1-4) | (1-4) | **(1-4)** |
| Easthampton | 8 | 11 | 7 | 6 | **32** | 10 | (1-4) | \* | 11 | **33** | 11 | 6 | **17** |
| Easton | 12 | 12 | 9 | 12 | **45** | 9 | (1-4) | 8 | (1-4) | **24** | 7 | 6 | **13** |
| Edgartown | (1-4) | † | (1-4) | (1-4) | **6** | (1-4) | (1-4) | (1-4) | † | **5** | (1-4) | (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) | **8** | (1-4) | (1-4) | **(1-4)** |
| Everett | 40 | 42 | 30 | 40 | **152** | 38 | 39 | 37 | 38 | **152** | 30 | 30 | **60** |
| Fairhaven | 13 | 20 | 12 | 10 | **55** | 6 | 12 | 16 | 8 | **42** | 19 | 17 | **36** |
| Fall River | 173 | 273 | 381 | 282 | **1109** | 198 | 264 | 271 | 201 | **934** | 190 | 206 | **396** |
| Falmouth | 35 | 35 | 32 | 35 | **137** | 41 | 33 | 32 | 32 | **138** | 29 | 45 | **74** |
| Fitchburg | 56 | 66 | 77 | 42 | **241** | 70 | 65 | 60 | 52 | **247** | 54 | 68 | **122** |
| Florida | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Foxborough | (1-4) | \* | 10 | 9 | **30** | 11 | 9 | 10 | 10 | **40** | 15 | 15 | **30** |
| Framingham | 42 | 62 | 50 | 49 | **203** | 43 | 66 | 46 | 44 | **199** | 47 | 23 | **70** |
| Franklin | 9 | 9 | 8 | 10 | **36** | 7 | 11 | 6 | 9 | **33** | 8 | 5 | **13** |
| Freetown | (1-4) | 7 | (1-4) | (1-4) | **16** | (1-4) | (1-4) | (1-4) | (1-4) | **7** | (1-4) | (1-4) | **6** |
| Gardner | 12 | 27 | 28 | 29 | **96** | 19 | 25 | 30 | 31 | **105** | 20 | 22 | **42** |
| Georgetown | (1-4) | (1-4) | † | 7 | **14** | (1-4) | 5 | (1-4) | † | **10** | (1-4) | (1-4) | **7** |
| Gill | † | (1-4) | (1-4) | (1-4) | **5** | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | † | **(1-4)** |
| Gloucester | 30 | 28 | 32 | 19 | **109** | 15 | 32 | 28 | 19 | **94** | 19 | 19 | **38** |
| Goshen | † | † | † | † | **†** | † | (1-4) | † | † | **(1-4)** | † | † | **†** |
| Gosnold | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |

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|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Grafton | (1-4) | 6 | (1-4) | 8 | **18** | (1-4) | 7 | (1-4) | 5 | **17** | 6 | 9 | **15** |
| Granby | (1-4) | 8 | (1-4) | 6 | **21** | 5 | (1-4) | (1-4) | † | **9** | (1-4) | (1-4) | **(1-4)** |
| Granville | † | † | † | † | **†** | (1-4) | † | (1-4) | (1-4) | **(1-4)** | † | † | **†** |
| Great  Barrington | (1-4) | (1-4) | 5 | 6 | **16** | \* | 7 | (1-4) | 5 | **19** | 8 | 5 | **13** |
| Greenfield | 15 | 10 | 25 | 16 | **66** | 27 | 28 | 26 | 14 | **95** | 25 | 35 | **60** |
| Groton | (1-4) | (1-4) | (1-4) | † | **8** | (1-4) | (1-4) | † | (1-4) | **(1-4)** | (1-4) | † | **(1-4)** |
| Groveland | † | (1-4) | (1-4) | (1-4) | **5** | † | (1-4) | (1-4) | † | **(1-4)** | (1-4) | † | **(1-4)** |
| Hadley | (1-4) | (1-4) | (1-4) | (1-4) | **12** | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | **6** |
| Halifax | 7 | 5 | (1-4) | (1-4) | **19** | (1-4) | (1-4) | (1-4) | (1-4) | **15** | (1-4) | (1-4) | **(1-4)** |
| Hamilton | † | (1-4) | † | (1-4) | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **(1-4)** | † | † | **†** |
| Hampden | (1-4) | (1-4) | (1-4) | 5 | **14** | (1-4) | 8 | 7 | (1-4) | **18** | \* | (1-4) | **10** |
| Hancock | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Hanover | (1-4) | 5 | (1-4) | (1-4) | **12** | 6 | (1-4) | (1-4) | (1-4) | **18** | (1-4) | (1-4) | **(1-4)** |
| Hanson | 11 | (1-4) | (1-4) | 5 | **21** | 5 | (1-4) | (1-4) | (1-4) | **13** | (1-4) | (1-4) | **5** |
| Hardwick | (1-4) | (1-4) | (1-4) | (1-4) | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **6** | (1-4) | (1-4) | **(1-4)** |
| Harvard | † | † | † | † | **†** | (1-4) | † | (1-4) | † | **5** | † | (1-4) | **(1-4)** |
| Harwich | 6 | 9 | (1-4) | (1-4) | **23** | 5 | (1-4) | 5 | (1-4) | **14** | 5 | 6 | **11** |
| Hatfield | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | (1-4) | † | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Haverhill | 78 | 86 | 77 | 83 | **324** | 59 | 55 | 73 | 67 | **254** | 75 | 53 | **128** |
| Hawley | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Heath | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Hingham | 6 | (1-4) | (1-4) | 5 | **15** | 5 | † | (1-4) | (1-4) | **9** | (1-4) | † | **(1-4)** |
| Hinsdale | † | (1-4) | (1-4) | (1-4) | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Holbrook | 8 | 12 | 14 | 6 | **40** | (1-4) | 9 | \* | 9 | **27** | 6 | 9 | **15** |
| Holden | (1-4) | (1-4) | (1-4) | (1-4) | **11** | (1-4) | (1-4) | (1-4) | (1-4) | **9** | \* | (1-4) | **7** |
| Holland | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Holliston | (1-4) | (1-4) | † | (1-4) | **6** | (1-4) | 7 | (1-4) | (1-4) | **14** | (1-4) | † | **(1-4)** |
| Holyoke | 89 | 169 | 109 | 91 | **458** | 111 | 132 | 156 | 146 | **545** | 152 | 126 | **278** |
| Hopedale | 5 | (1-4) | (1-4) | (1-4) | **11** | (1-4) | 7 | (1-4) | (1-4) | **14** | (1-4) | (1-4) | **6** |
| Hopkinton | 6 | (1-4) | 7 | (1-4) | **18** | (1-4) | (1-4) | (1-4) | (1-4) | **9** | (1-4) | † | **(1-4)** |
| Hubbardston | (1-4) | † | (1-4) | 6 | **8** | (1-4) | † | (1-4) | † | **(1-4)** | (1-4) | † | **(1-4)** |
| Hudson | 7 | 11 | 8 | 6 | **32** | 8 | \* | 7 | (1-4) | **24** | † | 6 | **6** |
| Hull | † | (1-4) | 7 | (1-4) | **11** | (1-4) | 5 | (1-4) | 9 | **20** | 6 | 10 | **16** |
| Huntington | † | † | † | † | **†** | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Ipswich | (1-4) | (1-4) | 10 | (1-4) | **17** | (1-4) | (1-4) | 5 | (1-4) | **11** | (1-4) | (1-4) | **7** |
| Kingston | 12 | 7 | (1-4) | (1-4) | **27** | (1-4) | 9 | 5 | (1-4) | **21** | (1-4) | (1-4) | **(1-4)** |
| Lakeville | 23 | 19 | 25 | 22 | **89** | 15 | 25 | 13 | 14 | **67** | 20 | 16 | **36** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Lancaster | (1-4) | (1-4) | 7 | (1-4) | **13** | (1-4) | (1-4) | 7 | 9 | **21** | (1-4) | \* | **9** |
| Lanesborough | † | (1-4) | (1-4) | (1-4) | **9** | (1-4) | (1-4) | (1-4) | (1-4) | **6** | † | 5 | **5** |
| Lawrence | 161 | 160 | 167 | 143 | **631** | 128 | 136 | 153 | 112 | **529** | 118 | 114 | **232** |
| Lee | (1-4) | (1-4) | (1-4) | (1-4) | **10** | (1-4) | † | † | (1-4) | **(1-4)** | (1-4) | (1-4) | **6** |
| Leicester | 6 | (1-4) | (1-4) | (1-4) | **15** | 7 | 7 | 6 | 6 | **26** | 7 | 6 | **13** |
| Lenox | † | (1-4) | (1-4) | † | **(1-4)** | (1-4) | (1-4) | 5 | (1-4) | **15** | (1-4) | \* | **7** |
| Leominster | 41 | 54 | 53 | 66 | **214** | 44 | 50 | 34 | 26 | **154** | 19 | 18 | **37** |
| Leverett | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Lexington | (1-4) | (1-4) | (1-4) | (1-4) | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **12** | (1-4) | (1-4) | **(1-4)** |
| Leyden | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Lincoln | † | † | † | † | **†** | † | (1-4) | † | † | **(1-4)** | † | † | **†** |
| Littleton | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | 5 | (1-4) | † | **8** | † | † | **†** |
| Longmeadow | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | (1-4) | (1-4) | (1-4) | **8** | † | (1-4) | **(1-4)** |
| Lowell | 231 | 217 | 249 | 235 | **932** | 154 | 167 | 150 | 152 | **623** | 126 | 182 | **308** |
| Ludlow | 10 | 18 | 12 | 10 | **50** | 10 | 9 | 10 | 12 | **41** | 16 | 25 | **41** |
| Lunenburg | (1-4) | \* | 6 | 6 | **20** | (1-4) | (1-4) | 5 | (1-4) | **11** | † | (1-4) | **(1-4)** |
| Lynn | 120 | 161 | 204 | 120 | **605** | 99 | 134 | 157 | 113 | **503** | 126 | 89 | **215** |
| Lynnfield | 5 | (1-4) | (1-4) | 8 | **18** | (1-4) | (1-4) | (1-4) | (1-4) | **9** | (1-4) | (1-4) | **(1-4)** |
| Malden | 54 | 51 | 55 | 46 | **206** | 26 | 58 | 53 | 42 | **179** | 25 | 31 | **56** |
| Manchester | † | † | † | (1-4) | **(1-4)** | (1-4) | † | † | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| Mansfield | 9 | 12 | 7 | 8 | **36** | 8 | 19 | 8 | 10 | **45** | (1-4) | \* | **11** |
| Marblehead | (1-4) | (1-4) | 8 | (1-4) | **15** | (1-4) | (1-4) | (1-4) | 5 | **14** | (1-4) | (1-4) | **5** |
| Marion | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | (1-4) | † | **9** | (1-4) | † | **(1-4)** |
| Marlborough | 22 | 14 | 22 | 24 | **82** | 17 | 19 | 21 | 17 | **74** | 18 | 19 | **37** |
| Marshfield | 8 | 11 | (1-4) | \* | **30** | \* | 14 | 8 | (1-4) | **31** | 12 | 7 | **19** |
| Mashpee | 9 | 12 | 9 | 8 | **38** | \* | 11 | 10 | (1-4) | **35** | 8 | 9 | **17** |
| Mattapoisett | 5 | (1-4) | 9 | (1-4) | **19** | 6 | (1-4) | (1-4) | 5 | **16** | (1-4) | (1-4) | **(1-4)** |
| Maynard | (1-4) | (1-4) | † | (1-4) | **6** | (1-4) | (1-4) | † | † | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Medfield | † | (1-4) | (1-4) | (1-4) | **5** | (1-4) | (1-4) | † | † | **5** | † | 5 | **5** |
| Medford | 18 | 22 | 34 | 21 | **95** | 24 | 28 | 17 | 18 | **87** | 34 | 29 | **63** |
| Medway | 6 | (1-4) | \* | 7 | **22** | 8 | 9 | (1-4) | (1-4) | **24** | 6 | 8 | **14** |
| Melrose | 9 | 6 | 5 | 5 | **25** | (1-4) | 7 | 9 | (1-4) | **23** | 9 | 8 | **17** |
| Mendon | (1-4) | † | (1-4) | (1-4) | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **9** | † | (1-4) | **(1-4)** |
| Merrimac | 5 | † | (1-4) | (1-4) | **9** | (1-4) | (1-4) | (1-4) | (1-4) | **10** | † | (1-4) | **(1-4)** |
| Methuen | 39 | 41 | 56 | 42 | **178** | 42 | 47 | 37 | 27 | **153** | 32 | 35 | **67** |
| Middleborough | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | (1-4) | (1-4) | **5** | † | (1-4) | **(1-4)** |
| Middlefield | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |

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|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Middleton | 14 | (1-4) | \* | 8 | **32** | (1-4) | 10 | (1-4) | 8 | **24** | \* | (1-4) | **9** |
| Milford | 20 | 15 | 10 | 25 | **70** | 24 | 18 | 22 | 8 | **72** | 8 | 7 | **15** |
| Millbury | 8 | 15 | 12 | 11 | **46** | 9 | 8 | 7 | 12 | **36** | 12 | 14 | **26** |
| Millis | 7 | † | (1-4) | (1-4) | **14** | (1-4) | (1-4) | (1-4) | (1-4) | **11** | (1-4) | (1-4) | **5** |
| Millville | (1-4) | (1-4) | † | (1-4) | **5** | † | (1-4) | † | † | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Milton | 9 | (1-4) | 7 | (1-4) | **23** | (1-4) | (1-4) | 11 | 6 | **22** | \* | (1-4) | **13** |
| Monroe | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Monson | (1-4) | (1-4) | (1-4) | (1-4) | **11** | (1-4) | (1-4) | 6 | (1-4) | **15** | (1-4) | (1-4) | **6** |
| Montague | (1-4) | 9 | 7 | \* | **25** | (1-4) | \* | 12 | 9 | **30** | 7 | 12 | **19** |
| Monterey | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Montgomery | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Mount  Washington | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Nahant | (1-4) | (1-4) | † | (1-4) | **7** | † | (1-4) | † | † | **(1-4)** | † | (1-4) | **(1-4)** |
| Nantucket | (1-4) | (1-4) | 5 | 5 | **14** | † | † | (1-4) | † | **(1-4)** | (1-4) | † | **(1-4)** |
| Natick | 8 | 7 | 9 | 11 | **35** | 18 | \* | 14 | (1-4) | **50** | 6 | 11 | **17** |
| Needham | (1-4) | (1-4) | (1-4) | (1-4) | **9** | 6 | (1-4) | (1-4) | 5 | **15** | (1-4) | (1-4) | **7** |
| New Ashford | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| New  Bedford | 146 | 261 | 196 | 128 | **731** | 198 | 158 | 100 | 115 | **571** | 140 | 183 | **323** |
| New Braintree | † | † | (1-4) | † | **(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) | **(1-4)** | † | † | **†** |
| New Salem | † | † | † | † | **†** | † | † | † | (1-4) | **(1-4)** | (1-4) | † | **(1-4)** |
| Newbury | † | (1-4) | (1-4) | 5 | **8** | (1-4) | (1-4) | † | (1-4) | **6** | (1-4) | (1-4) | **(1-4)** |
| Newburyport | (1-4) | 6 | (1-4) | (1-4) | **18** | (1-4) | (1-4) | (1-4) | 5 | **16** | (1-4) | (1-4) | **8** |
| Newton | 21 | 15 | 14 | 19 | **69** | 11 | 19 | 9 | 19 | **58** | 20 | 12 | **32** |
| Norfolk | (1-4) | (1-4) | (1-4) | † | **6** | (1-4) | (1-4) | (1-4) | † | **8** | (1-4) | (1-4) | **(1-4)** |
| North Adams | 18 | 26 | 29 | 13 | **86** | 27 | 26 | 12 | 23 | **88** | 11 | 14 | **25** |
| North Andover | 13 | 7 | 13 | 5 | **38** | 12 | 11 | 13 | 5 | **41** | 6 | 5 | **11** |
| North  Attleboro | 21 | 19 | 15 | 18 | **73** | 9 | 18 | 22 | 22 | **71** | 16 | 26 | **42** |
| North  Brookfield | (1-4) | † | † | (1-4) | **(1-4)** | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | **7** |
| North Reading | (1-4) | 6 | (1-4) | 10 | **23** | (1-4) | 5 | (1-4) | † | **11** | (1-4) | \* | **10** |
| Northampton | 16 | 43 | 23 | 26 | **108** | 34 | 22 | 23 | 25 | **104** | 22 | 20 | **42** |
| Northborough | (1-4) | 7 | (1-4) | 9 | **21** | 7 | (1-4) | (1-4) | 5 | **18** | (1-4) | (1-4) | **7** |
| Northbridge | 7 | 15 | 12 | 6 | **40** | \* | 10 | 8 | (1-4) | **28** | 7 | 12 | **19** |
| Northfield | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | † | † | (1-4) | **(1-4)** | (1-4) | † | **(1-4)** |

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|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Norton | 11 | 9 | 7 | 5 | **32** | (1-4) | 8 | (1-4) | 6 | **19** | 6 | 10 | **16** |
| Norwell | (1-4) | 5 | (1-4) | 5 | **16** | 5 | 5 | (1-4) | (1-4) | **13** | (1-4) | (1-4) | **(1-4)** |
| Norwood | \* | 10 | 15 | (1-4) | **38** | 13 | 11 | 9 | 11 | **44** | 11 | 17 | **28** |
| Oak Bluffs | (1-4) | (1-4) | † | (1-4) | **5** | (1-4) | (1-4) | (1-4) | † | **7** | (1-4) | † | **(1-4)** |
| Oakham | (1-4) | (1-4) | † | † | **(1-4)** | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Orange | (1-4) | 12 | 10 | \* | **29** | 9 | 8 | (1-4) | (1-4) | **24** | 5 | 11 | **16** |
| Orleans | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | (1-4) | (1-4) | (1-4) | **6** | (1-4) | (1-4) | **7** |
| Otis | † | (1-4) | † | † | **(1-4)** | † | † | † | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| Oxford | (1-4) | 14 | \* | 20 | **50** | 9 | 9 | 9 | 11 | **38** | \* | (1-4) | **11** |
| Palmer | 15 | 15 | 14 | 8 | **52** | 10 | 10 | 9 | 16 | **45** | 6 | 17 | **23** |
| Paxton | (1-4) | (1-4) | (1-4) | (1-4) | **9** | (1-4) | (1-4) | (1-4) | † | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Peabody | 43 | 57 | 38 | 34 | **172** | 31 | 32 | 34 | 30 | **127** | 25 | 17 | **42** |
| Pelham | † | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** | † | † | **†** |
| Pembroke | 7 | 6 | † | 7 | **20** | 5 | 8 | 9 | 7 | **29** | 7 | 14 | **21** |
| Pepperell | 7 | (1-4) | (1-4) | (1-4) | **14** | (1-4) | (1-4) | † | † | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Peru | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Petersham | † | † | † | † | **†** | (1-4) | † | † | † | **(1-4)** | † | † | **†** |
| Phillipston | † | † | † | † | **†** | † | † | (1-4) | † | **(1-4)** | † | (1-4) | **(1-4)** |
| Pittsfield | 38 | 66 | 67 | 64 | **235** | 56 | 46 | 93 | 53 | **248** | 63 | 114 | **177** |
| Plainfield | (1-4) | † | (1-4) | (1-4) | **6** | (1-4) | (1-4) | † | † | **(1-4)** | (1-4) | † | **(1-4)** |
| Plainville | (1-4) | (1-4) | 5 | (1-4) | **15** | (1-4) | 9 | (1-4) | (1-4) | **21** | 5 | 5 | **10** |
| Plymouth | 44 | 70 | 39 | 47 | **200** | 51 | 43 | 34 | 39 | **167** | 44 | 49 | **93** |
| Plympton | † | (1-4) | (1-4) | (1-4) | **(1-4)** | † | (1-4) | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Princeton | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| Provincetown | † | (1-4) | 16 | (1-4) | **24** | (1-4) | 11 | 8 | (1-4) | **26** | (1-4) | (1-4) | **(1-4)** |
| Quincy | 129 | 119 | 124 | 72 | **444** | 84 | 91 | 105 | 70 | **350** | 63 | 93 | **156** |
| Randolph | 10 | 9 | 15 | 24 | **58** | 16 | 20 | 15 | 11 | **62** | 12 | 13 | **25** |
| Raynham | 13 | 13 | 11 | 16 | **53** | 8 | 14 | 13 | 12 | **47** | 9 | 8 | **17** |
| Reading | 8 | 7 | \* | (1-4) | **25** | (1-4) | (1-4) | (1-4) | (1-4) | **11** | (1-4) | (1-4) | **7** |
| Rehoboth | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | † | (1-4) | 5 | **7** | (1-4) | † | **(1-4)** |
| Revere | 66 | 77 | 73 | 57 | **273** | 41 | 57 | 53 | 28 | **179** | 35 | 35 | **70** |
| Richmond | † | (1-4) | (1-4) | † | **(1-4)** | † | † | (1-4) | † | **(1-4)** | † | † | **†** |
| Rochester | (1-4) | (1-4) | † | (1-4) | **6** | † | 5 | † | † | **5** | (1-4) | (1-4) | **(1-4)** |
| Rockland | 17 | 15 | 12 | 14 | **58** | 10 | 9 | 12 | 20 | **51** | 12 | 6 | **18** |
| Rockport | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | † | (1-4) | † | **(1-4)** | † | † | **†** |
| Rowe | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Rowley | † | (1-4) | (1-4) | (1-4) | **6** | (1-4) | † | (1-4) | † | **(1-4)** | (1-4) | (1-4) | **(1-4)** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Royalston | (1-4) | (1-4) | † | † | **(1-4)** | † | † | † | † | **†** | † | (1-4) | **(1-4)** |
| Russell | (1-4) | (1-4) | † | † | **(1-4)** | (1-4) | (1-4) | (1-4) | (1-4) | **6** | † | (1-4) | **(1-4)** |
| Rutland | (1-4) | (1-4) | (1-4) | † | **5** | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | **(1-4)** |
| Salem | 42 | 53 | 54 | 37 | **186** | 33 | 29 | 40 | 29 | **131** | 25 | 32 | **57** |
| Salisbury | 14 | 17 | 24 | 14 | **69** | 6 | 8 | 6 | 7 | **27** | (1-4) | \* | **11** |
| Sandisfield | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Sandwich | 10 | 12 | \* | (1-4) | **35** | 7 | 7 | \* | (1-4) | **24** | \* | (1-4) | **14** |
| Saugus | 29 | 26 | 23 | 18 | **96** | 33 | 30 | 22 | 29 | **114** | 26 | 19 | **45** |
| Savoy | † | † | † | † | **†** | † | † | † | (1-4) | **(1-4)** | † | † | **†** |
| Scituate | (1-4) | (1-4) | 5 | 6 | **16** | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | (1-4) | **(1-4)** |
| Seekonk | (1-4) | (1-4) | 6 | 8 | **20** | \* | (1-4) | 5 | 9 | **23** | (1-4) | \* | **14** |
| Sharon | 5 | (1-4) | (1-4) | (1-4) | **15** | (1-4) | (1-4) | † | (1-4) | **5** | (1-4) | (1-4) | **5** |
| Sheffield | † | † | (1-4) | (1-4) | **5** | (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)** | (1-4) | † | **(1-4)** |
| Sherborn | (1-4) | † | (1-4) | † | **(1-4)** | † | † | † | (1-4) | **(1-4)** | † | † | **†** |
| Shirley | 6 | 6 | 6 | 5 | **23** | (1-4) | (1-4) | 7 | (1-4) | **19** | \* | (1-4) | **7** |
| Shrewsbury | 25 | 25 | 15 | 14 | **79** | 16 | 15 | 26 | 24 | **81** | 9 | † | **9** |
| Shutesbury | (1-4) | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** | † | (1-4) | **(1-4)** |
| Somerset | 10 | 14 | 5 | 7 | **36** | (1-4) | 10 | 11 | (1-4) | **27** | 10 | 8 | **18** |
| Somerville | 32 | 31 | 38 | 27 | **128** | 25 | 33 | 42 | 35 | **135** | 24 | 45 | **69** |
| South Hadley | 6 | 12 | 14 | 6 | **38** | 10 | 5 | 10 | 6 | **31** | 11 | 13 | **24** |
| Southampton | † | (1-4) | \* | † | **8** | (1-4) | (1-4) | (1-4) | (1-4) | **6** | (1-4) | † | **(1-4)** |
| Southborough | (1-4) | (1-4) | 7 | † | **9** | (1-4) | † | (1-4) | (1-4) | **5** | (1-4) | (1-4) | **(1-4)** |
| Southbridge | 8 | 20 | 24 | 25 | **77** | 32 | 31 | 28 | 21 | **112** | 14 | 36 | **50** |
| Southwick | (1-4) | 10 | \* | 10 | **29** | (1-4) | 6 | 5 | (1-4) | **17** | (1-4) | \* | **7** |
| Spencer | 5 | 12 | 8 | 7 | **32** | 9 | 9 | 13 | 15 | **46** | 17 | 22 | **39** |
| Springfield | 175 | 268 | 253 | 200 | **896** | 225 | 289 | 334 | 283 | **1131** | 243 | 364 | **607** |
| Sterling | \* | 6 | 9 | (1-4) | **22** | (1-4) | 5 | (1-4) | 6 | **16** | (1-4) | \* | **8** |
| Stockbridge | † | (1-4) | † | † | **(1-4)** | (1-4) | † | † | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| Stoneham | 13 | 10 | 10 | 6 | **39** | \* | 13 | 10 | (1-4) | **32** | 8 | 9 | **17** |
| Stoughton | 27 | 19 | 27 | 18 | **91** | 24 | 27 | 20 | 29 | **100** | 18 | 20 | **38** |
| Stow | (1-4) | † | (1-4) | (1-4) | **6** | † | † | (1-4) | † | **(1-4)** | † | † | **†** |
| Sturbridge | (1-4) | 10 | 9 | \* | **27** | 6 | (1-4) | (1-4) | 5 | **18** | (1-4) | \* | **14** |
| Sudbury | (1-4) | (1-4) | (1-4) | (1-4) | **11** | † | (1-4) | † | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Sunderland | (1-4) | † | (1-4) | (1-4) | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Sutton | 6 | (1-4) | (1-4) | 7 | **19** | (1-4) | (1-4) | (1-4) | (1-4) | **10** | (1-4) | \* | **11** |
| Swampscott | (1-4) | 5 | (1-4) | (1-4) | **13** | (1-4) | 5 | † | (1-4) | **11** | (1-4) | \* | **8** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | | **2020** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Swansea | \* | 13 | (1-4) | 12 | **40** | 13 | (1-4) | 13 | (1-4) | **34** | 11 | 13 | **24** |
| Taunton | 71 | 72 | 63 | 64 | **270** | 51 | 50 | 52 | 44 | **197** | 51 | 47 | **98** |
| Templeton | 6 | (1-4) | \* | 6 | **21** | \* | 8 | (1-4) | 7 | **24** | \* | (1-4) | **11** |
| Tewksbury | 39 | 26 | 23 | 21 | **109** | 18 | 25 | 20 | 19 | **82** | 17 | 23 | **40** |
| Tisbury | † | † | (1-4) | (1-4) | **5** | (1-4) | (1-4) | † | (1-4) | **6** | † | (1-4) | **(1-4)** |
| Tolland | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Topsfield | (1-4) | † | † | (1-4) | **5** | (1-4) | (1-4) | (1-4) | † | **5** | (1-4) | (1-4) | **(1-4)** |
| Townsend | \* | 9 | (1-4) | † | **16** | (1-4) | (1-4) | (1-4) | 5 | **10** | (1-4) | (1-4) | **5** |
| Truro | (1-4) | (1-4) | (1-4) | (1-4) | **5** | † | † | (1-4) | † | **(1-4)** | (1-4) | † | **(1-4)** |
| Tyngsborough | 8 | 5 | (1-4) | (1-4) | **18** | (1-4) | (1-4) | (1-4) | (1-4) | **12** | † | (1-4) | **(1-4)** |
| Tyringham | † | † | † | † | **†** | † | † | (1-4) | † | **(1-4)** | † | † | **†** |
| Upton | (1-4) | (1-4) | (1-4) | (1-4) | **6** | (1-4) | 6 | \* | † | **14** | (1-4) | (1-4) | **(1-4)** |
| Uxbridge | (1-4) | 11 | 5 | (1-4) | **23** | 5 | (1-4) | 7 | (1-4) | **18** | \* | (1-4) | **11** |
| Wakefield | 9 | 19 | 13 | 13 | **54** | 20 | 11 | 14 | 13 | **58** | 5 | 10 | **15** |
| Wales | † | (1-4) | (1-4) | † | **(1-4)** | † | (1-4) | † | † | **(1-4)** | † | † | **†** |
| Walpole | 10 | 17 | 13 | 6 | **46** | 6 | 10 | 6 | 8 | **30** | 7 | 6 | **13** |
| Waltham | 34 | 32 | 27 | 21 | **114** | 21 | 31 | 36 | 34 | **122** | 16 | 21 | **37** |
| Ware | 8 | 11 | 9 | 8 | **36** | 7 | 9 | 10 | 7 | **33** | 11 | 9 | **20** |
| Wareham | 33 | 41 | 51 | 35 | **160** | 32 | 34 | 25 | 32 | **123** | 31 | 26 | **57** |
| Warren | (1-4) | 5 | (1-4) | (1-4) | **13** | \* | (1-4) | 6 | 10 | **26** | \* | (1-4) | **8** |
| Warwick | † | † | (1-4) | † | **(1-4)** | † | † | † | (1-4) | **(1-4)** | † | † | **†** |
| Washington | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Watertown | 16 | 18 | 20 | 11 | **65** | 9 | 12 | 11 | 5 | **37** | 10 | 9 | **19** |
| Wayland | (1-4) | † | † | † | **(1-4)** | (1-4) | † | (1-4) | † | **(1-4)** | † | (1-4) | **(1-4)** |
| Webster | 15 | 33 | 40 | 38 | **126** | 37 | 39 | 26 | 39 | **141** | 22 | 27 | **49** |
| Wellesley | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | (1-4) | (1-4) | † | **5** | (1-4) | † | **(1-4)** |
| Wellfleet | † | (1-4) | † | (1-4) | **(1-4)** | † | \* | (1-4) | † | **7** | † | (1-4) | **(1-4)** |
| Wendell | † | † | † | † | **†** | † | (1-4) | † | † | **(1-4)** | † | † | **†** |
| Wenham | † | (1-4) | † | (1-4) | **(1-4)** | † | † | (1-4) | (1-4) | **(1-4)** | † | (1-4) | **(1-4)** |
| West Boylston | (1-4) | 5 | 7 | (1-4) | **19** | 7 | 5 | (1-4) | (1-4) | **17** | \* | (1-4) | **8** |
| West  Bridgewater | 8 | 9 | (1-4) | (1-4) | **24** | (1-4) | 5 | (1-4) | (1-4) | **13** | (1-4) | (1-4) | **6** |
| West  Brookfield | (1-4) | (1-4) | (1-4) | (1-4) | **9** | (1-4) | (1-4) | † | 6 | **10** | (1-4) | (1-4) | **(1-4)** |
| West Newbury | (1-4) | † | † | † | **(1-4)** | † | † | † | † | **†** | † | † | **†** |
| West  Springfield | 23 | 44 | 23 | 22 | **112** | 30 | 30 | 33 | 42 | **135** | 27 | 46 | **73** |
| West  Stockbridge | † | (1-4) | † | † | **(1-4)** | † | † | † | † | **†** | † | † | **†** |

# Technical Notes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **2018** |  |  |  |  | **2019** |  |  |  | **2020** |  |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| West Tisbury | † | † | † | † | **†** | (1-4) | † | † | † | **(1-4)** | † | † | **†** |
| Westborough | 14 | 13 | 8 | 12 | **47** | 14 | 13 | 15 | 20 | **62** | 24 | 21 | **45** |
| Westfield | 30 | 28 | 20 | 15 | **93** | 21 | 24 | 31 | 29 | **105** | 27 | 35 | **62** |
| Westford | 8 | 10 | (1-4) | (1-4) | **22** | (1-4) | (1-4) | (1-4) | † | **10** | (1-4) | † | **(1-4)** |
| Westhampton | † | † | † | † | **†** | † | † | † | † | **†** | † | (1-4) | **(1-4)** |
| Westminster | \* | (1-4) | 6 | 7 | **22** | \* | 9 | (1-4) | 9 | **28** | 12 | 7 | **19** |
| Weston | (1-4) | (1-4) | (1-4) | † | **(1-4)** | † | (1-4) | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | **(1-4)** |
| Westport | 9 | 9 | 7 | 8 | **33** | (1-4) | 8 | \* | 9 | **26** | 7 | 6 | **13** |
| Westwood | † | (1-4) | (1-4) | † | **(1-4)** | (1-4) | (1-4) | † | (1-4) | **8** | (1-4) | † | **(1-4)** |
| Weymouth | 53 | 52 | 31 | 36 | **172** | 42 | 48 | 47 | 50 | **187** | 28 | 58 | **86** |
| Whately | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | (1-4) | (1-4) | **9** | (1-4) | † | **(1-4)** |
| Whitman | 13 | 9 | 10 | 11 | **43** | 11 | 8 | 10 | 7 | **36** | 7 | 8 | **15** |
| Wilbraham | 8 | 13 | 8 | 11 | **40** | 12 | (1-4) | 8 | \* | **30** | 6 | 9 | **15** |
| Williamsburg | (1-4) | † | † | † | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **6** | (1-4) | (1-4) | **(1-4)** |
| Williamstown | (1-4) | (1-4) | † | (1-4) | **7** | (1-4) | (1-4) | (1-4) | † | **7** | (1-4) | (1-4) | **(1-4)** |
| Wilmington | 21 | 15 | 9 | 5 | **50** | 16 | 10 | 16 | 7 | **49** | \* | (1-4) | **10** |
| Winchendon | 7 | 9 | 7 | 6 | **29** | (1-4) | 13 | 9 | \* | **31** | 6 | 10 | **16** |
| Winchester | (1-4) | (1-4) | (1-4) | 6 | **14** | (1-4) | 8 | 5 | (1-4) | **19** | (1-4) | (1-4) | **(1-4)** |
| Windsor | † | † | † | † | **†** | † | (1-4) | † | † | **(1-4)** | † | † | **†** |
| Winthrop | 9 | 8 | 12 | 13 | **42** | \* | 8 | (1-4) | 13 | **31** | 15 | 10 | **25** |
| Woburn | 23 | 31 | 19 | 22 | **95** | 23 | 22 | 29 | 37 | **111** | 20 | 16 | **36** |
| Worcester | 362 | 471 | 479 | 463 | **1775** | 408 | 426 | 412 | 357 | **1603** | 318 | 60 | **378** |
| Worthington | † | † | † | † | **†** | † | † | † | (1-4) | **(1-4)** | † | † | **†** |
| Wrentham | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | 7 | 9 | \* | **25** | 6 | 5 | **11** |
| Yarmouth | 9 | 19 | 15 | 14 | **57** | 19 | 20 | 20 | 13 | **72** | 16 | 20 | **36** |
| Unknown | 22 | 8 | 7 | 8 | **45** | (1-4) | (1-4) | (1-4) | (1-4) | **13** | † | † | **†** |
| **Grand Total** | 5423 | 6493 | 6325 | 5343 | **23584** | 5004 | 5749 | 5731 | 5037 | **21521** | 4759 | 5108 | **9867** |

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# Source

• Bureau of Health Care Safety and Quality, MDPH