

POSTED: JUNE 2020

Massachusetts Department of Public Health

**MA Opioid-Related EMS Incidents 2013-2019**

# 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. 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) increased on average 7.2% per quarter from 2013 until 2016 and the number of all EMS incidents involving naloxone administration (Figure 2) increased on average 7.4% per quarter from 2013 through the third quarter of 2016. In 2016, both the proportion of EMS incidents that were opioid-related as well as the overall number of EMS incidents involving the administration of naloxone began 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 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 sex.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All Suspected Opioid Related Incidents: 2013** | | | | | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54** | **55-64** | **65+** | **Total** |
| Male | 10 | 933 | 2,055 | 1,053 | 905 | 498 | 172 | 5,626 |
| Female | 8 | 635 | 1,138 | 630 | 529 | 299 | 217 | 3,456 |
| Total | 18 | 1,568 | 3,193 | 1,683 | 1,434 | 797 | 389 | 9,082 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All Suspected Opioid Related Incidents: 2014** | | | | | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54** | **55-64** | **65+** | **Total** |
| Male | (1-4) | 1,514 | 3,591 | 1,695 | 1,347 | 699 | 254 | 9,100\* |
| Female | (1-4) | 937 | 1,708 | 882 | 792 | 355 | 261 | 4,935\* |
| Total | 6 | 2,451 | 5,299 | 2,577 | 2,139 | 1,054 | 515 | 14,041 |
|  |  |  |  |  | \*Total of non-suppressed cells | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All Suspected Opioid Related Incidents: 2015** | | | | | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54** | **55-64** | **65+** | **Total** |
| Male | (1-4) | 1,761 | 4,848 | 2,610 | 1,839 | 910 | 299 | 12,267\* |
| Female | 8 | 974 | 2,397 | 1,186 | 932 | 485 | 306 | 6,288\* |
| Total | † | 2,735 | 7,245 | 3,796 | 2,771 | 1,395 | 605 | 18,555\* |
|  |  | †Complementary suppression; \*Total of non-suppressed cells | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All Suspected Opioid Related Incidents: 2016** | | | | | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54** | **55-64** | **65+** | **Total** |
| Male | 5 | 1,814 | 6,065 | 3,426 | 2,347 | 1,332 | 419 | 15,408 |
| Female | 6 | 1,033 | 2,962 | 1,589 | 1,066 | 633 | 318 | 7,607 |
| Total | 11 | 2,847 | 9,027 | 5,015 | 3,413 | 1,965 | 737 | 23,026 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All Suspected Opioid Related Incidents: 2017** | | | | | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54** | **55-64** | **65+** | **Total** |
| Male | 8 | 1,551 | 6,446 | 3,786 | 2,607 | 1,437 | 503 | 16,338 |
| Female | 10 | 997 | 3,018 | 1,820 | 1,146 | 759 | 379 | 8,129 |
| Total | 18 | 2,548 | 9,464 | 5,606 | 3,753 | 2,196 | 882 | 24,485 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All Suspected Opioid Related Incidents: 2018** | | | | | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54** | **55-64** | **65+** | **Total** |
| Male | (1-4) | 1,445 | 6,025 | 4,132 | 2,732 | 1,564 | 564 | 16,462\* |
| Female | (1-4) | 729 | 2,993 | 1,830 | 1,079 | 770 | 376 | 7,777\* |
| Total | (1-4) | 2,174 | 9,018 | 5,962 | 3,811 | 2,334 | 940 | 24,239 |
|  |  |  |  |  | \*Total of non-suppressed cells | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All Suspected Opioid Related Incidents: 2019** | | | | | | | | |
|  | **11-14** | **15-24** | **25-34** | **35-44** | **45-54** | **55-64** | **65+** | **Total** |
| Male | (1-4) | 937 | 5,161 | 3,958 | 2,689 | 1,576 | 548 | 14,869\* |
| Female | (1-4) | 563 | 2,542 | 1,826 | 1,087 | 652 | 394 | 7,064\* |
| Total | (1-4) | 1,500 | 7,703 | 5,784 | 3,776 | 2,228 | 942 | 21,933 |
|  |  |  |  |  | \*Total of non-suppressed cells | | | |

**Figure 1: Percent of Opioid-Related Events Among All EMS Incidents,**

**MA: 2013-2019**

3.5%

3.0%

2.5%

2.0%

1.5%

1.0%

0.5%

0.0%

2013 2014 2015

2016

**Year**

2017

2018

2019

Opioid-Related EMS Incidents

**Figure 2: Count of All EMS Incidents Involving Naloxone**

**Administration, MA: 2013-2019**

25000

20000

15000

10000

5000

0

2013

2014

2015

2016

**Year**

2017

2018

2019

Naloxone

Administered EMS Incidents

**Percent**

**Count**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Abington | 7 | 9 | 5 | 8 | **29** | \* | 9 | 9 | (1-4) | **30** |
| Acton | 8 | † | (1-4) | (1-4) | **15** | (1-4) | (1-4) | (1-4) | 6 | **14** |
| Acushnet | 7 | (1-4) | (1-4) | (1-4) | **16** | † | 6 | (1-4) | (1-4) | **9** |
| Adams | 11 | (1-4) | \* | 11 | **33** | 6 | (1-4) | (1-4) | (1-4) | **16** |
| Agawam | 26 | 27 | 22 | 13 | **88** | 14 | 28 | 12 | 16 | **70** |
| Alford | † | † | † | † | **†** | (1-4) | † | † | † | **(1-4)** |
| Amesbury | 9 | 7 | 13 | 6 | **35** | \* | 8 | (1-4) | 10 | **29** |
| Amherst | 11 | 7 | 7 | 12 | **37** | \* | 6 | (1-4) | 16 | **31** |
| Andover | 9 | 6 | 15 | 12 | **42** | 10 | 12 | 12 | 9 | **43** |
| Aquinnah | † | † | † | † | **†** | † | † | † | † | **†** |
| Arlington | (1-4) | 13 | 14 | \* | **37** | 12 | 9 | 7 | 7 | **35** |
| Ashburnham | (1-4) | † | (1-4) | † | **(1-4)** | 6 | (1-4) | (1-4) | (1-4) | **14** |
| Ashby | (1-4) | (1-4) | (1-4) | † | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **10** |
| Ashfield | † | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** |
| Ashland | (1-4) | (1-4) | 9 | (1-4) | **19** | (1-4) | (1-4) | (1-4) | (1-4) | **14** |
| Athol | 19 | 34 | 18 | 21 | **92** | 6 | 6 | 10 | 9 | **31** |
| Attleboro | 44 | 28 | 43 | 42 | **157** | 33 | 72 | 38 | 21 | **164** |
| Auburn | 8 | 16 | 7 | 7 | **38** | 8 | 8 | 6 | 6 | **28** |
| Avon | † | 5 | (1-4) | (1-4) | **12** | (1-4) | (1-4) | (1-4) | (1-4) | **7** |
| Ayer | \* | 8 | (1-4) | 6 | **22** | \* | 9 | (1-4) | 8 | **24** |
| Barnstable | 42 | 46 | 49 | 37 | **174** | 44 | 35 | 41 | 34 | **154** |
| Barre | 6 | (1-4) | 8 | (1-4) | **18** | 9 | 7 | (1-4) | \* | **25** |
| Becket | † | † | (1-4) | † | **(1-4)** | (1-4) | (1-4) | (1-4) | † | **(1-4)** |
| Bedford | 7 | 8 | (1-4) | (1-4) | **22** | (1-4) | 8 | 7 | \* | **25** |
| Belchertown | 10 | 9 | \* | (1-4) | **30** | (1-4) | (1-4) | 5 | (1-4) | **14** |
| Bellingham | 9 | † | 5 | 7 | **21** | (1-4) | 9 | (1-4) | (1-4) | **19** |
| Belmont | 8 | 9 | (1-4) | (1-4) | **23** | 8 | 8 | (1-4) | (1-4) | **22** |
| Berkley | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | (1-4) | (1-4) | **9** |
| Berlin | (1-4) | † | (1-4) | † | **(1-4)** | † | † | (1-4) | (1-4) | **(1-4)** |
| Bernardston | † | † | † | † | **†** | † | † | † | † | **†** |
| Beverly | 23 | 22 | 33 | 25 | **103** | 18 | 32 | 22 | 24 | **96** |
| Billerica | 33 | 25 | 18 | 17 | **93** | 18 | 19 | 9 | 12 | **58** |
| Blackstone | \* | 10 | (1-4) | 7 | **27** | (1-4) | 7 | (1-4) | (1-4) | **15** |
| Blandford | † | † | † | (1-4) | **(1-4)** | † | † | † | † | **†** |
| Bolton | (1-4) | † | (1-4) | † | **(1-4)** | † | † | (1-4) | (1-4) | **(1-4)** |
| Boston | 795 | 929 | 933 | 706 | **3363** | 669 | 912 | 1033 | 840 | **3454** |
| Bourne | (1-4) | \* | 19 | 18 | **57** | 10 | 18 | 13 | 11 | **52** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| 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)** |
| Boylston | † | (1-4) | † | † | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** |
| Braintree | 25 | 37 | 25 | 16 | **103** | 18 | 12 | 19 | 22 | **71** |
| Brewster | (1-4) | (1-4) | 5 | (1-4) | **13** | (1-4) | (1-4) | (1-4) | (1-4) | **8** |
| Bridgewater | 13 | 24 | 24 | 17 | **78** | 9 | 9 | 12 | 8 | **38** |
| Brimfield | † | † | † | (1-4) | **(1-4)** | (1-4) | (1-4) | † | (1-4) | **(1-4)** |
| Brockton | 186 | 229 | 233 | 179 | **827** | 159 | 167 | 151 | 136 | **613** |
| Brookfield | † | (1-4) | (1-4) | (1-4) | **5** | (1-4) | † | (1-4) | (1-4) | **5** |
| Brookline | 10 | 11 | 13 | 11 | **45** | 14 | 13 | 8 | 5 | **40** |
| Buckland | † | † | † | † | **†** | † | † | † | † | **†** |
| Burlington | 9 | 10 | 15 | 13 | **47** | 11 | 9 | 6 | 7 | **33** |
| Cambridge | 71 | 99 | 86 | 97 | **353** | 82 | 71 | 117 | 77 | **347** |
| Canton | \* | 8 | 8 | (1-4) | **28** | \* | (1-4) | 8 | 8 | **26** |
| Carlisle | † | (1-4) | † | (1-4) | **6** | † | † | † | † | **†** |
| Carver | (1-4) | (1-4) | 12 | (1-4) | **21** | 7 | 10 | (1-4) | \* | **26** |
| Charlemont | (1-4) | † | † | (1-4) | **(1-4)** | † | (1-4) | † | (1-4) | **5** |
| Charlton | (1-4) | 5 | (1-4) | (1-4) | **13** | (1-4) | 5 | (1-4) | (1-4) | **10** |
| Chatham | (1-4) | (1-4) | (1-4) | (1-4) | **9** | † | (1-4) | (1-4) | (1-4) | **(1-4)** |
| Chelmsford | 17 | 14 | 12 | 14 | **57** | 6 | 13 | 10 | 11 | **40** |
| Chelsea | 72 | 72 | 73 | 41 | **258** | 37 | 52 | 68 | 57 | **214** |
| Cheshire | (1-4) | † | (1-4) | (1-4) | **5** | † | † | (1-4) | (1-4) | **(1-4)** |
| Chester | (1-4) | † | † | † | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **(1-4)** |
| Chesterfield | † | (1-4) | † | (1-4) | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **(1-4)** |
| Chicopee | 90 | 113 | 64 | 64 | **331** | 71 | 101 | 88 | 68 | **328** |
| Chilmark | (1-4) | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** |
| Clarksburg | † | † | † | † | **†** | † | † | † | † | **†** |
| Clinton | 9 | 20 | 11 | 6 | **46** | 7 | 11 | (1-4) | (1-4) | **22** |
| Cohasset | † | † | (1-4) | † | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **(1-4)** |
| Colrain | (1-4) | † | (1-4) | (1-4) | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** |
| Concord | (1-4) | 5 | (1-4) | † | **11** | (1-4) | † | \* | 5 | **12** |
| Conway | † | † | † | (1-4) | **(1-4)** | † | † | † | † | **†** |
| Cummington | † | † | † | † | **†** | † | (1-4) | † | (1-4) | **(1-4)** |
| Dalton | † | (1-4) | (1-4) | 5 | **13** | 7 | (1-4) | (1-4) | (1-4) | **13** |
| Danvers | 49 | 45 | 33 | 35 | **162** | 40 | 30 | 34 | 30 | **134** |
| Dartmouth | 33 | 26 | 32 | 33 | **124** | 35 | 39 | 29 | 38 | **141** |
| Dedham | 14 | 23 | 8 | 7 | **52** | 13 | 15 | 13 | 19 | **60** |
| Deerfield | † | (1-4) | (1-4) | 5 | **8** | (1-4) | † | (1-4) | (1-4) | **7** |

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|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Dennis | 9 | 13 | 9 | 7 | **38** | 11 | 9 | 8 | 14 | **42** |
| Dighton | (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** |
| Dover | (1-4) | (1-4) | (1-4) | (1-4) | **8** | † | † | † | † | **†** |
| Dracut | 22 | 19 | 12 | 20 | **73** | 5 | 28 | 16 | 14 | **63** |
| Dudley | 5 | 19 | 13 | 13 | **50** | 18 | 8 | 6 | 10 | **42** |
| Dunstable | (1-4) | † | † | † | **(1-4)** | (1-4) | \* | † | † | **6** |
| Duxbury | (1-4) | (1-4) | (1-4) | (1-4) | **10** | (1-4) | (1-4) | (1-4) | (1-4) | **11** |
| East  Bridgewater | 7 | 5 | 16 | 8 | **36** | 9 | \* | 5 | (1-4) | **23** |
| East Brookfield | † | (1-4) | (1-4) | † | **(1-4)** | † | (1-4) | † | (1-4) | **(1-4)** |
| East  Longmeadow | \* | (1-4) | 9 | 7 | **25** | 8 | 8 | 8 | 8 | **32** |
| Eastham | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | (1-4) | † | **6** |
| Easthampton | 8 | 11 | 7 | 6 | **32** | 10 | (1-4) | \* | 11 | **33** |
| Easton | 12 | 12 | 10 | 12 | **46** | 9 | (1-4) | 8 | (1-4) | **24** |
| Edgartown | (1-4) | † | (1-4) | (1-4) | **6** | (1-4) | (1-4) | (1-4) | † | **5** |
| Egremont | † | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** |
| Erving | † | (1-4) | † | † | **(1-4)** | (1-4) | † | (1-4) | † | **(1-4)** |
| Essex | (1-4) | † | (1-4) | † | **(1-4)** | (1-4) | † | 5 | (1-4) | **10** |
| Everett | 41 | 43 | 30 | 41 | **155** | 38 | 39 | 38 | 37 | **152** |
| Fairhaven | 13 | 20 | 12 | 11 | **56** | 6 | 12 | 16 | 8 | **42** |
| Fall River | 173 | 273 | 385 | 285 | **1116** | 200 | 265 | 272 | 204 | **941** |
| Falmouth | 35 | 35 | 32 | 35 | **137** | 41 | 33 | 32 | 32 | **138** |
| Fitchburg | 66 | 80 | 83 | 46 | **275** | 86 | 72 | 69 | 57 | **284** |
| Florida | † | † | † | † | **†** | † | † | † | † | **†** |
| Foxborough | (1-4) | \* | 10 | 9 | **30** | 11 | 9 | 10 | 10 | **40** |
| Framingham | 42 | 62 | 50 | 50 | **204** | 43 | 65 | 46 | 45 | **199** |
| Franklin | 9 | 9 | 8 | 10 | **36** | 7 | 11 | 6 | 5 | **29** |
| Freetown | (1-4) | 7 | (1-4) | (1-4) | **16** | (1-4) | (1-4) | (1-4) | (1-4) | **7** |
| Gardner | 12 | 27 | 29 | 35 | **103** | 24 | 30 | 42 | 34 | **130** |
| Georgetown | \* | (1-4) | † | 7 | **15** | (1-4) | 5 | (1-4) | † | **10** |
| Gill | † | (1-4) | (1-4) | (1-4) | **5** | † | † | (1-4) | (1-4) | **(1-4)** |
| Gloucester | 31 | 28 | 32 | 19 | **110** | 15 | 32 | 28 | 19 | **94** |
| Goshen | † | † | † | † | **†** | † | (1-4) | † | † | **(1-4)** |
| Gosnold | † | † | † | † | **†** | † | † | † | † | **†** |
| Grafton | (1-4) | 6 | (1-4) | 8 | **18** | (1-4) | 7 | (1-4) | 5 | **17** |
| Granby | (1-4) | 8 | (1-4) | 6 | **22** | 5 | (1-4) | (1-4) | † | **10** |

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|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Granville | † | † | † | † | **†** | (1-4) | † | (1-4) | (1-4) | **(1-4)** |
| Great  Barrington | (1-4) | (1-4) | 5 | 7 | **17** | \* | 7 | (1-4) | 5 | **19** |
| Greenfield | 15 | 11 | 25 | 17 | **68** | 27 | 29 | 27 | 13 | **96** |
| Groton | (1-4) | (1-4) | (1-4) | † | **8** | (1-4) | (1-4) | † | (1-4) | **(1-4)** |
| Groveland | † | (1-4) | (1-4) | (1-4) | **6** | † | (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** |
| Halifax | 7 | 5 | (1-4) | (1-4) | **19** | (1-4) | (1-4) | (1-4) | (1-4) | **15** |
| Hamilton | † | (1-4) | † | (1-4) | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **(1-4)** |
| Hampden | 5 | (1-4) | (1-4) | 6 | **17** | (1-4) | 8 | 9 | (1-4) | **20** |
| Hancock | † | † | † | † | **†** | † | † | † | † | **†** |
| Hanover | (1-4) | 5 | (1-4) | (1-4) | **12** | 6 | (1-4) | (1-4) | (1-4) | **15** |
| Hanson | 11 | (1-4) | (1-4) | 5 | **21** | 5 | (1-4) | (1-4) | (1-4) | **13** |
| Hardwick | (1-4) | (1-4) | (1-4) | (1-4) | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **6** |
| Harvard | † | † | † | † | **†** | (1-4) | † | (1-4) | † | **5** |
| Harwich | 6 | 9 | (1-4) | (1-4) | **23** | 5 | (1-4) | 5 | (1-4) | **14** |
| Hatfield | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | (1-4) | † | **(1-4)** |
| Haverhill | 80 | 86 | 77 | 83 | **326** | 59 | 58 | 73 | 67 | **257** |
| Hawley | † | † | † | † | **†** | † | † | † | † | **†** |
| Heath | † | † | † | † | **†** | † | † | † | † | **†** |
| Hingham | 6 | (1-4) | (1-4) | 5 | **15** | 5 | † | (1-4) | (1-4) | **9** |
| Hinsdale | † | (1-4) | (1-4) | (1-4) | **5** | † | (1-4) | † | (1-4) | **5** |
| Holbrook | 8 | 12 | 14 | 6 | **40** | (1-4) | 9 | \* | 9 | **27** |
| Holden | (1-4) | (1-4) | (1-4) | (1-4) | **11** | (1-4) | (1-4) | (1-4) | (1-4) | **9** |
| Holland | † | † | † | † | **†** | † | † | † | † | **†** |
| Holliston | (1-4) | (1-4) | † | (1-4) | **6** | (1-4) | 9 | (1-4) | (1-4) | **17** |
| Holyoke | 89 | 169 | 109 | 92 | **459** | 115 | 135 | 161 | 150 | **561** |
| Hopedale | (1-4) | (1-4) | † | (1-4) | **9** | (1-4) | 7 | (1-4) | (1-4) | **14** |
| Hopkinton | 6 | (1-4) | 7 | (1-4) | **18** | (1-4) | (1-4) | (1-4) | (1-4) | **9** |
| Hubbardston | (1-4) | † | (1-4) | 6 | **8** | (1-4) | † | (1-4) | † | **(1-4)** |
| Hudson | 7 | 11 | 8 | 6 | **32** | 8 | \* | 7 | (1-4) | **24** |
| Hull | † | (1-4) | 8 | (1-4) | **12** | (1-4) | 5 | (1-4) | 9 | **20** |
| Huntington | † | † | † | † | **†** | † | † | (1-4) | (1-4) | **(1-4)** |
| Ipswich | (1-4) | (1-4) | 10 | (1-4) | **17** | (1-4) | (1-4) | 5 | (1-4) | **11** |
| Kingston | 12 | 7 | (1-4) | (1-4) | **27** | (1-4) | 9 | 5 | (1-4) | **21** |
| Lakeville | 24 | 19 | 25 | 23 | **91** | 15 | 25 | 14 | 14 | **68** |
| Lancaster | (1-4) | (1-4) | 8 | (1-4) | **14** | (1-4) | (1-4) | 7 | 11 | **23** |
| Lanesborough | † | (1-4) | (1-4) | (1-4) | **9** | (1-4) | (1-4) | (1-4) | (1-4) | **6** |

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|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Lawrence | 183 | 176 | 190 | 163 | **712** | 138 | 151 | 163 | 124 | **576** |
| Lee | (1-4) | 5 | (1-4) | (1-4) | **11** | (1-4) | † | † | (1-4) | **(1-4)** |
| Leicester | 6 | 5 | (1-4) | (1-4) | **19** | 7 | 7 | 6 | 6 | **26** |
| Lenox | † | (1-4) | (1-4) | † | **5** | (1-4) | (1-4) | 5 | (1-4) | **15** |
| Leominster | 46 | 64 | 56 | 72 | **238** | 50 | 56 | 32 | 12 | **150** |
| Leverett | † | † | † | † | **†** | † | † | † | † | **†** |
| Lexington | (1-4) | (1-4) | (1-4) | (1-4) | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **12** |
| 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** |
| Lowell | 270 | 250 | 284 | 290 | **1094** | 187 | 200 | 178 | 181 | **746** |
| Ludlow | 10 | 19 | 12 | 10 | **51** | 10 | 9 | 10 | 12 | **41** |
| Lunenburg | (1-4) | \* | 9 | 8 | **27** | (1-4) | (1-4) | 6 | (1-4) | **14** |
| Lynn | 121 | 163 | 211 | 120 | **615** | 100 | 136 | 160 | 115 | **511** |
| Lynnfield | 5 | (1-4) | (1-4) | 8 | **18** | (1-4) | (1-4) | (1-4) | (1-4) | **9** |
| Malden | 54 | 51 | 57 | 46 | **208** | 27 | 57 | 53 | 40 | **177** |
| Manchester | † | † | † | (1-4) | **(1-4)** | (1-4) | † | † | (1-4) | **(1-4)** |
| Mansfield | 9 | 12 | 7 | 8 | **36** | 8 | 19 | 8 | 10 | **45** |
| Marblehead | (1-4) | 6 | 9 | (1-4) | **19** | (1-4) | 5 | (1-4) | 5 | **16** |
| Marion | (1-4) | (1-4) | (1-4) | (1-4) | **7** | (1-4) | (1-4) | (1-4) | † | **9** |
| Marlborough | 22 | 14 | 22 | 24 | **82** | 17 | 19 | 21 | 17 | **74** |
| Marshfield | 8 | 11 | (1-4) | \* | **30** | \* | 14 | 8 | (1-4) | **31** |
| Mashpee | 9 | 12 | 9 | 8 | **38** | \* | 11 | 10 | (1-4) | **35** |
| Mattapoisett | 5 | (1-4) | 9 | (1-4) | **19** | 6 | (1-4) | (1-4) | 5 | **17** |
| Maynard | (1-4) | (1-4) | (1-4) | (1-4) | **8** | (1-4) | (1-4) | † | † | **5** |
| Medfield | † | (1-4) | (1-4) | (1-4) | **6** | (1-4) | (1-4) | † | † | **5** |
| Medford | 18 | 22 | 37 | 22 | **99** | 26 | 29 | 17 | 20 | **92** |
| Medway | 8 | 5 | 7 | 7 | **27** | 8 | 9 | (1-4) | (1-4) | **24** |
| Melrose | 9 | 6 | 5 | 5 | **25** | (1-4) | 7 | 9 | (1-4) | **22** |
| Mendon | (1-4) | † | (1-4) | (1-4) | **8** | (1-4) | (1-4) | (1-4) | (1-4) | **9** |
| Merrimac | 6 | † | (1-4) | (1-4) | **10** | (1-4) | (1-4) | (1-4) | (1-4) | **11** |
| Methuen | 39 | 42 | 56 | 43 | **180** | 44 | 48 | 37 | 18 | **147** |
| Middleborough | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | (1-4) | (1-4) | (1-4) | **5** |
| Middlefield | † | † | † | † | **†** | † | † | † | † | **†** |
| Middleton | 14 | (1-4) | \* | 8 | **32** | (1-4) | 10 | (1-4) | (1-4) | **20** |
| Milford | 20 | 15 | 10 | 25 | **70** | 24 | 18 | 22 | 8 | **72** |
| Millbury | 8 | 15 | 13 | 11 | **47** | 9 | 8 | 8 | 12 | **37** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Millis | 7 | † | (1-4) | (1-4) | **14** | (1-4) | (1-4) | (1-4) | (1-4) | **11** |
| Millville | (1-4) | (1-4) | † | (1-4) | **7** | † | (1-4) | † | † | **(1-4)** |
| Milton | 9 | (1-4) | 7 | \* | **24** | (1-4) | (1-4) | 10 | 6 | **21** |
| Monroe | † | † | † | † | **†** | † | † | † | † | **†** |
| Monson | (1-4) | (1-4) | (1-4) | (1-4) | **12** | (1-4) | (1-4) | 6 | (1-4) | **15** |
| Montague | (1-4) | 11 | 8 | \* | **28** | (1-4) | \* | 15 | 12 | **40** |
| Monterey | † | † | † | † | **†** | † | † | † | † | **†** |
| Montgomery | † | † | † | † | **†** | † | † | † | † | **†** |
| Mount  Washington | † | † | † | † | **†** | † | † | † | † | **†** |
| Nahant | (1-4) | (1-4) | † | (1-4) | **7** | † | (1-4) | † | † | **(1-4)** |
| Nantucket | (1-4) | (1-4) | 5 | 5 | **14** | † | † | (1-4) | † | **(1-4)** |
| Natick | 8 | 7 | 9 | 11 | **35** | 18 | \* | 14 | (1-4) | **50** |
| Needham | (1-4) | (1-4) | (1-4) | (1-4) | **9** | 6 | (1-4) | (1-4) | 5 | **15** |
| New Ashford | † | † | † | † | **†** | † | † | † | † | **†** |
| New  Bedford | 146 | 261 | 198 | 136 | **741** | 198 | 159 | 99 | 112 | **568** |
| New Braintree | † | † | (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)** |
| Newbury | † | (1-4) | (1-4) | 5 | **9** | (1-4) | (1-4) | † | (1-4) | **6** |
| Newburyport | (1-4) | 6 | (1-4) | (1-4) | **18** | (1-4) | (1-4) | (1-4) | 5 | **16** |
| Newton | 21 | 15 | 14 | 19 | **69** | 11 | 19 | 8 | 19 | **57** |
| Norfolk | (1-4) | (1-4) | (1-4) | † | **6** | (1-4) | (1-4) | (1-4) | † | **8** |
| North Adams | 18 | 26 | 30 | 13 | **87** | 27 | 26 | 12 | 23 | **88** |
| North Andover | 13 | 7 | 13 | 5 | **38** | 12 | 11 | 13 | 5 | **41** |
| North Attleboro | 21 | 19 | 15 | 18 | **73** | 9 | 18 | 22 | 23 | **72** |
| North  Brookfield | (1-4) | † | † | (1-4) | **(1-4)** | † | † | (1-4) | (1-4) | **(1-4)** |
| North Reading | (1-4) | 6 | (1-4) | 10 | **23** | (1-4) | 5 | (1-4) | † | **11** |
| Northampton | 16 | 43 | 23 | 26 | **108** | 34 | 22 | 23 | 25 | **104** |
| Northborough | (1-4) | 7 | (1-4) | 9 | **21** | 7 | (1-4) | (1-4) | (1-4) | **17** |
| Northbridge | 7 | 15 | 12 | 6 | **40** | \* | 10 | 8 | (1-4) | **28** |
| Northfield | (1-4) | (1-4) | † | (1-4) | **(1-4)** | † | † | † | (1-4) | **(1-4)** |
| Norton | 11 | 9 | 7 | 5 | **32** | (1-4) | 8 | (1-4) | 6 | **19** |
| Norwell | (1-4) | 5 | (1-4) | 5 | **16** | 5 | 5 | (1-4) | (1-4) | **13** |
| Norwood | 9 | 10 | 16 | 8 | **43** | 18 | 12 | 9 | 11 | **50** |
| Oak Bluffs | (1-4) | (1-4) | † | (1-4) | **5** | (1-4) | (1-4) | (1-4) | † | **7** |

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|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Oakham | (1-4) | (1-4) | † | † | **(1-4)** | † | † | (1-4) | † | **(1-4)** |
| Orange | (1-4) | 12 | 10 | \* | **29** | 9 | 8 | (1-4) | (1-4) | **24** |
| Orleans | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | (1-4) | (1-4) | (1-4) | **6** |
| Otis | † | (1-4) | † | † | **(1-4)** | † | † | † | (1-4) | **(1-4)** |
| Oxford | (1-4) | 14 | \* | 20 | **50** | 9 | 9 | 9 | 11 | **38** |
| Palmer | 16 | 15 | 14 | 8 | **53** | 10 | 10 | 9 | 16 | **45** |
| Paxton | (1-4) | (1-4) | (1-4) | (1-4) | **9** | (1-4) | (1-4) | (1-4) | † | **(1-4)** |
| Peabody | 44 | 57 | 40 | 35 | **176** | 32 | 32 | 34 | 29 | **127** |
| Pelham | † | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** |
| Pembroke | 7 | 6 | † | 7 | **20** | 5 | 8 | 9 | 7 | **29** |
| Pepperell | 7 | (1-4) | (1-4) | (1-4) | **14** | (1-4) | (1-4) | † | † | **(1-4)** |
| Peru | † | † | † | † | **†** | † | † | † | † | **†** |
| Petersham | † | † | † | † | **†** | (1-4) | † | † | † | **(1-4)** |
| Phillipston | † | † | † | † | **†** | † | † | (1-4) | † | **(1-4)** |
| Pittsfield | 38 | 67 | 69 | 64 | **238** | 57 | 46 | 96 | 54 | **253** |
| Plainfield | (1-4) | † | (1-4) | (1-4) | **6** | (1-4) | (1-4) | † | † | **(1-4)** |
| Plainville | (1-4) | (1-4) | 5 | (1-4) | **15** | (1-4) | 9 | (1-4) | (1-4) | **21** |
| Plymouth | 44 | 71 | 41 | 51 | **207** | 51 | 43 | 35 | 39 | **168** |
| Plympton | † | (1-4) | (1-4) | (1-4) | **(1-4)** | † | (1-4) | (1-4) | (1-4) | **(1-4)** |
| Princeton | (1-4) | (1-4) | † | (1-4) | **5** | † | (1-4) | † | (1-4) | **(1-4)** |
| Provincetown | † | (1-4) | 16 | (1-4) | **24** | (1-4) | 11 | 8 | (1-4) | **26** |
| Quincy | 134 | 122 | 127 | 80 | **463** | 85 | 93 | 110 | 76 | **364** |
| Randolph | 10 | 9 | 15 | 25 | **59** | 16 | 20 | 15 | 13 | **64** |
| Raynham | 13 | 12 | 10 | 16 | **51** | 8 | 14 | 12 | 12 | **46** |
| Reading | 8 | 7 | \* | (1-4) | **25** | (1-4) | (1-4) | (1-4) | (1-4) | **11** |
| Rehoboth | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | † | (1-4) | 5 | **7** |
| Revere | 67 | 77 | 73 | 57 | **274** | 42 | 56 | 54 | 28 | **180** |
| Richmond | † | (1-4) | (1-4) | † | **(1-4)** | † | † | (1-4) | † | **(1-4)** |
| Rochester | (1-4) | (1-4) | † | (1-4) | **6** | † | 5 | † | † | **5** |
| Rockland | 17 | 16 | 12 | 14 | **59** | 10 | 9 | 12 | 20 | **51** |
| Rockport | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | † | (1-4) | † | **5** |
| Rowe | † | † | † | † | **†** | † | † | † | † | **†** |
| Rowley | † | (1-4) | (1-4) | (1-4) | **6** | (1-4) | † | (1-4) | † | **(1-4)** |
| Royalston | (1-4) | (1-4) | † | † | **(1-4)** | † | † | † | † | **†** |
| Russell | (1-4) | (1-4) | † | † | **(1-4)** | (1-4) | (1-4) | (1-4) | (1-4) | **7** |
| Rutland | (1-4) | (1-4) | (1-4) | † | **5** | (1-4) | (1-4) | (1-4) | (1-4) | **8** |
| Salem | 42 | 54 | 54 | 37 | **187** | 33 | 29 | 41 | 28 | **131** |
| Salisbury | 17 | 21 | 28 | 17 | **83** | 9 | 10 | 7 | 7 | **33** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Sandisfield | † | † | † | † | **†** | † | † | † | † | **†** |
| Sandwich | 10 | 12 | \* | (1-4) | **35** | \* | 7 | 7 | (1-4) | **25** |
| Saugus | 29 | 27 | 24 | 18 | **98** | 33 | 30 | 22 | 29 | **114** |
| Savoy | † | † | † | † | **†** | † | † | † | (1-4) | **(1-4)** |
| Scituate | (1-4) | (1-4) | 5 | 6 | **16** | (1-4) | (1-4) | (1-4) | 7 | **16** |
| Seekonk | (1-4) | (1-4) | 6 | 8 | **20** | \* | (1-4) | 5 | 9 | **23** |
| Sharon | 5 | (1-4) | (1-4) | (1-4) | **15** | (1-4) | (1-4) | † | (1-4) | **5** |
| Sheffield | † | † | (1-4) | (1-4) | **5** | (1-4) | (1-4) | (1-4) | (1-4) | **5** |
| Shelburne | † | (1-4) | (1-4) | † | **(1-4)** | (1-4) | (1-4) | † | † | **(1-4)** |
| Sherborn | (1-4) | † | (1-4) | † | **(1-4)** | † | † | † | (1-4) | **(1-4)** |
| Shirley | 7 | 8 | 6 | 6 | **27** | 5 | 5 | 8 | 6 | **24** |
| Shrewsbury | 25 | 25 | 15 | 14 | **79** | 16 | 15 | 26 | 24 | **81** |
| Shutesbury | (1-4) | † | (1-4) | † | **(1-4)** | † | † | † | † | **†** |
| Somerset | 10 | 14 | 5 | 7 | **36** | (1-4) | 10 | 11 | (1-4) | **27** |
| Somerville | 32 | 33 | 38 | 27 | **130** | 25 | 33 | 40 | 34 | **132** |
| South Hadley | 6 | 12 | 14 | 6 | **38** | 10 | 5 | 11 | 6 | **32** |
| Southampton | † | (1-4) | \* | † | **8** | (1-4) | (1-4) | (1-4) | (1-4) | **6** |
| Southborough | (1-4) | (1-4) | 7 | † | **9** | (1-4) | † | (1-4) | † | **(1-4)** |
| Southbridge | 8 | 20 | 24 | 25 | **77** | 33 | 31 | 28 | 21 | **113** |
| Southwick | 5 | 10 | 5 | 11 | **31** | \* | 7 | 7 | (1-4) | **23** |
| Spencer | 5 | 12 | 6 | 7 | **30** | 9 | 9 | 20 | 24 | **62** |
| Springfield | 185 | 289 | 266 | 212 | **952** | 235 | 312 | 347 | 299 | **1193** |
| Sterling | \* | 6 | 9 | (1-4) | **22** | (1-4) | 5 | (1-4) | 6 | **16** |
| Stockbridge | † | (1-4) | † | † | **(1-4)** | (1-4) | † | † | (1-4) | **(1-4)** |
| Stoneham | 13 | 10 | 10 | 6 | **39** | \* | 14 | 10 | (1-4) | **33** |
| Stoughton | 27 | 19 | 29 | 22 | **97** | 25 | 27 | 20 | 29 | **101** |
| 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** |
| Sudbury | (1-4) | (1-4) | (1-4) | (1-4) | **11** | † | (1-4) | † | (1-4) | **(1-4)** |
| Sunderland | (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** |
| Swampscott | (1-4) | 5 | (1-4) | (1-4) | **13** | (1-4) | 5 | † | (1-4) | **11** |
| Swansea | \* | 13 | (1-4) | 12 | **40** | 13 | (1-4) | 13 | (1-4) | **34** |
| Taunton | 72 | 73 | 66 | 71 | **282** | 55 | 50 | 52 | 45 | **202** |
| Templeton | 6 | (1-4) | \* | 6 | **21** | \* | 8 | (1-4) | 6 | **23** |
| Tewksbury | 44 | 28 | 26 | 23 | **121** | 18 | 29 | 22 | 11 | **80** |
| Tisbury | † | † | (1-4) | (1-4) | **5** | (1-4) | (1-4) | † | (1-4) | **6** |
| Tolland | † | † | † | † | **†** | † | † | † | † | **†** |

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|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Topsfield | (1-4) | † | † | (1-4) | **6** | (1-4) | (1-4) | (1-4) | † | **5** |
| Townsend | \* | 9 | (1-4) | † | **16** | (1-4) | (1-4) | (1-4) | 5 | **10** |
| Truro | (1-4) | (1-4) | (1-4) | (1-4) | **5** | † | † | (1-4) | † | **(1-4)** |
| Tyngsborough | 9 | 7 | (1-4) | (1-4) | **23** | (1-4) | (1-4) | (1-4) | 7 | **15** |
| Tyringham | † | † | † | † | **†** | † | † | (1-4) | † | **(1-4)** |
| Upton | (1-4) | (1-4) | (1-4) | (1-4) | **6** | (1-4) | 6 | 5 | (1-4) | **16** |
| Uxbridge | (1-4) | 11 | 5 | (1-4) | **23** | 5 | (1-4) | 7 | (1-4) | **18** |
| Wakefield | 9 | 19 | 13 | 13 | **54** | 20 | 11 | 14 | 13 | **58** |
| Wales | † | (1-4) | (1-4) | † | **(1-4)** | † | (1-4) | † | † | **(1-4)** |
| Walpole | 10 | 17 | 13 | 6 | **46** | 6 | 10 | 6 | 8 | **30** |
| Waltham | 34 | 33 | 28 | 21 | **116** | 20 | 31 | 36 | 31 | **118** |
| Ware | 8 | 11 | 9 | 8 | **36** | 7 | 9 | 10 | 7 | **33** |
| Wareham | 33 | 41 | 51 | 38 | **163** | 33 | 34 | 25 | 32 | **124** |
| Warren | (1-4) | 6 | (1-4) | (1-4) | **15** | \* | (1-4) | 6 | 10 | **26** |
| Warwick | † | † | (1-4) | † | **(1-4)** | † | † | † | (1-4) | **(1-4)** |
| Washington | † | † | † | † | **†** | † | † | † | † | **†** |
| Watertown | 16 | 18 | 20 | 11 | **65** | 9 | 12 | 12 | 6 | **39** |
| Wayland | (1-4) | † | † | † | **(1-4)** | (1-4) | † | (1-4) | † | **(1-4)** |
| Webster | 15 | 33 | 41 | 38 | **127** | 37 | 39 | 26 | 39 | **141** |
| Wellesley | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | (1-4) | (1-4) | † | **5** |
| Wellfleet | † | (1-4) | † | (1-4) | **(1-4)** | † | \* | (1-4) | † | **7** |
| Wendell | † | † | † | † | **†** | † | (1-4) | † | † | **(1-4)** |
| Wenham | † | (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** |
| West  Bridgewater | 8 | 9 | (1-4) | (1-4) | **24** | (1-4) | 6 | (1-4) | (1-4) | **14** |
| West Brookfield | (1-4) | (1-4) | (1-4) | (1-4) | **10** | (1-4) | (1-4) | † | 9 | **13** |
| West Newbury | (1-4) | † | † | † | **(1-4)** | † | † | † | † | **†** |
| West  Springfield | 23 | 44 | 23 | 22 | **112** | 30 | 31 | 33 | 42 | **136** |
| West  Stockbridge | † | (1-4) | † | † | **(1-4)** | † | † | † | † | **†** |
| West Tisbury | † | † | † | † | **†** | (1-4) | † | † | † | **(1-4)** |
| Westborough | 14 | 13 | 8 | 12 | **47** | 14 | 13 | 15 | 20 | **62** |
| Westfield | 31 | 28 | 20 | 15 | **94** | 21 | 24 | 31 | 29 | **105** |
| Westford | 8 | 10 | (1-4) | (1-4) | **22** | (1-4) | (1-4) | (1-4) | † | **10** |
| Westhampton | † | † | † | † | **†** | † | † | † | † | **†** |
| Westminster | \* | (1-4) | 6 | 7 | **22** | \* | 9 | (1-4) | 9 | **28** |
| Weston | (1-4) | (1-4) | (1-4) | † | **(1-4)** | † | (1-4) | (1-4) | (1-4) | **5** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2018** | | | | | **2019** | | | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** |
| Westport | 9 | 9 | 7 | 8 | **33** | (1-4) | 8 | \* | 9 | **26** |
| Westwood | † | (1-4) | (1-4) | † | **(1-4)** | (1-4) | † | † | † | **(1-4)** |
| Weymouth | 54 | 52 | 31 | 41 | **178** | 43 | 49 | 48 | 51 | **191** |
| Whately | † | † | (1-4) | (1-4) | **(1-4)** | (1-4) | (1-4) | (1-4) | (1-4) | **8** |
| Whitman | 14 | 9 | 10 | 11 | **44** | 11 | 8 | 10 | 7 | **36** |
| Wilbraham | 8 | 13 | 8 | 11 | **40** | 12 | (1-4) | 8 | \* | **30** |
| Williamsburg | (1-4) | † | † | † | **(1-4)** | (1-4) | † | (1-4) | (1-4) | **6** |
| Williamstown | (1-4) | (1-4) | † | (1-4) | **7** | (1-4) | (1-4) | (1-4) | (1-4) | **9** |
| Wilmington | 21 | 15 | 9 | 5 | **50** | 16 | 10 | 16 | 8 | **50** |
| Winchendon | 7 | 9 | 7 | 6 | **29** | (1-4) | 12 | 9 | \* | **30** |
| Winchester | (1-4) | (1-4) | (1-4) | 6 | **14** | (1-4) | 8 | 6 | (1-4) | **20** |
| Windsor | † | † | † | † | **†** | † | (1-4) | † | † | **(1-4)** |
| Winthrop | 9 | 8 | 12 | 13 | **42** | \* | 8 | (1-4) | 13 | **32** |
| Woburn | 33 | 39 | 27 | 32 | **131** | 27 | 29 | 37 | 47 | **140** |
| Worcester | 362 | 471 | 482 | 464 | **1779** | 411 | 430 | 414 | 359 | **1614** |
| Worthington | † | † | † | † | **†** | † | † | † | (1-4) | **(1-4)** |
| Wrentham | (1-4) | (1-4) | (1-4) | 7 | **16** | (1-4) | 7 | 9 | \* | **24** |
| Yarmouth | 10 | 19 | 15 | 14 | **58** | 19 | (1-4) | 15 | \* | **50** |
| Unknown | 22 | 9 | 7 | 8 | **46** | (1-4) | (1-4) | (1-4) | (1-4) | **13** |
| **Grand Total** | **5620** | **6712** | **6556** | **5604** | **24492** | **5181** | **5945** | **5911** | **5136** | **22173** |

# Technical Notes

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# Source

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