

POSTED: NOVEMBER 2019

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. 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 |

**Figure 1: Percent of Opioid-Related Incidents**

**Among All EMS Incidents, MA: 2013-Q2 2019**

4

3.5

3

2.5

2

1.5

1

0.5

0

Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2

2013 2014 2015

2016

**Year and Quarter**

2017

2018

2019

Opioid-Related EMS Incidents

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

**Naloxone Administration, MA: 2013-Q2 2019**

7000

6000

5000

4000

3000

2000

1000

0

Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2

2013 2014 2015

2016

**Year and Quarter**

2017

2018

2019

Naloxone Administered EMS Incidents

**Count**

**Percent**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |

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

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

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

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

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

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

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

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|  | **2017** | | | | | **2018** | | | | | **2019** | | |
| City/Town | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | Q3 | Q4 | **Total** | Q1 | Q2 | **Total** |
| Rockport | <5 | \* | † | 6 | **13** | † | † | <5 | <5 | **<5** | <5 | † | **<5** |
| Rowe | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Rowley | <5 | <5 | <5 | † | **<5** | † | <5 | <5 | <5 | **6** | <5 | † | **<5** |
| Royalston | † | † | † | <5 | **<5** | <5 | <5 | † | † | **<5** | † | † | **†** |
| Russell | <5 | <5 | † | <5 | **<5** | <5 | <5 | † | † | **<5** | <5 | <5 | **5** |
| Rutland | 7 | <5 | <5 | <5 | **14** | <5 | <5 | <5 | † | **5** | <5 | <5 | **6** |
| Salem | 57 | 59 | 81 | 46 | **243** | 42 | 54 | 54 | 38 | **188** | 33 | 29 | **62** |
| Salisbury | 19 | 25 | 34 | 30 | **108** | 17 | 21 | 28 | 17 | **83** | 9 | 7 | **16** |
| Sandisfield | <5 | † | † | † | **<5** | † | † | † | † | **†** | † | † | **†** |
| Sandwich | 14 | 9 | 6 | 11 | **40** | 10 | 12 | \* | <5 | **35** | 7 | 7 | **14** |
| Saugus | 25 | 32 | 32 | 28 | **117** | 29 | 27 | 24 | 18 | **98** | 33 | 30 | **63** |
| Savoy | † | † | † | † | **†** | † | † | † | † | **†** | † | † | **†** |
| Scituate | <5 | <5 | 7 | <5 | **14** | <5 | <5 | 5 | 6 | **16** | <5 | <5 | **7** |
| Seekonk | 5 | 11 | 9 | 7 | **32** | <5 | <5 | 6 | 8 | **19** | \* | <5 | **10** |
| Sharon | <5 | <5 | <5 | 7 | **19** | 5 | <5 | <5 | <5 | **15** | <5 | <5 | **<5** |
| Sheffield | † | <5 | <5 | <5 | **7** | † | † | <5 | <5 | **5** | <5 | <5 | **<5** |
| Shelburne | <5 | † | <5 | † | **<5** | † | <5 | <5 | † | **<5** | <5 | <5 | **<5** |
| Sherborn | † | † | † | <5 | **<5** | <5 | † | <5 | † | **<5** | † | † | **†** |
| Shirley | \* | <5 | 7 | 6 | **21** | 7 | 8 | 6 | 5 | **26** | <5 | \* | **9** |
| Shrewsbury | 8 | 20 | 14 | 19 | **61** | 25 | 25 | 15 | 14 | **79** | 16 | 12 | **28** |
| Shutesbury | † | † | † | † | **†** | <5 | † | <5 | † | **<5** | † | † | **†** |
| Somerset | 7 | 11 | 15 | 14 | **47** | 12 | 15 | \* | <5 | **36** | <5 | \* | **14** |
| Somerville | 29 | 43 | 47 | 27 | **146** | 32 | 33 | 38 | 27 | **130** | 26 | 33 | **59** |
| South Hadley | † | † | <5 | <5 | **5** | <5 | 12 | 14 | \* | **35** | 10 | 5 | **15** |
| Southampton | <5 | <5 | † | <5 | **<5** | † | <5 | \* | † | **8** | <5 | <5 | **<5** |
| Southborough | † | † | <5 | <5 | **5** | <5 | <5 | 7 | † | **9** | <5 | † | **<5** |
| Southbridge | 7 | 16 | 22 | 27 | **72** | 8 | 20 | 24 | 24 | **76** | 33 | 20 | **53** |
| Southwick | 9 | <5 | <5 | 8 | **24** | 5 | 10 | 5 | 11 | **31** | 5 | 7 | **12** |
| Spencer | 10 | 6 | 9 | 10 | **35** | 5 | 12 | 5 | 7 | **29** | 8 | 10 | **18** |
| Springfield | 127 | 200 | 243 | 178 | **748** | 185 | 291 | 267 | 209 | **952** | 233 | 312 | **545** |
| Sterling | <5 | <5 | <5 | <5 | **10** | \* | 6 | 9 | <5 | **22** | <5 | \* | **10** |
| Stockbridge | <5 | † | † | <5 | **5** | † | <5 | † | † | **<5** | <5 | † | **<5** |
| Stoneham | 11 | 11 | 24 | 9 | **55** | 13 | 10 | 10 | 6 | **39** | 5 | 13 | **18** |
| Stoughton | 15 | 17 | 20 | 14 | **66** | 33 | 24 | 26 | 22 | **105** | 24 | 25 | **49** |
| Stow | <5 | 6 | <5 | <5 | **13** | <5 | † | <5 | <5 | **6** | † | † | **†** |
| Sturbridge | <5 | <5 | <5 | 9 | **20** | <5 | 10 | 9 | \* | **27** | \* | <5 | **9** |
| Sudbury | <5 | <5 | <5 | <5 | **7** | <5 | <5 | <5 | <5 | **11** | † | <5 | **<5** |

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

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

# Technical Notes

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# Source

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