APPENDICES

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# Appendix A: Glossary of Terms

**HIA Glossary[[1]](#footnote-1)**

**Assessment**

In relation to HIA, assessment provides a profile of existing health conditions of people and groups affected by a proposed change and estimates the potential health effects if the change were to occur.

**Best available evidence**

Conclusive evidence of the links between, for example, socio-environmental factors and health or the effectiveness of interventions, is not always available. In such cases, the best available evidence, that which is judged to be most reliable and compelling, can be used but with caution.

**Community participation**

Involving the community in an activity such as the planning of projects or carrying out a HIA. There are a number of models of community participation, some of which are outlined in the Gothenburg consensus paper on HIA (WHO, 1999). Levels of participation vary (Arnstein, 1969).

**Determinants of health**

Determinants of health are factors which influence health status and determine health differentials or health inequalities. They include biological factors (e.g. age, gender and ethnicity), behavior and lifestyles (e.g. smoking, alcohol consumption, diet and physical activity), physical and social environment (e.g. housing quality, workplace stressors, and air pollution), and access to health care (Lalonde, 1974; Labonete, 1993).

**Disadvantaged / vulnerable / marginalized groups**

These terms are applied to groups of people who, due to factors usually considered outside their control, do not have the same opportunities as other, more fortunate groups in society. Examples might include unemployed people, households without access to a personal vehicle, and those who may be more susceptible to disease due to their age.

**Evidence base**

The evidence base refers to a body of information, drawn from routine statistical analyses, published studies, and "grey" literature, that tells us something about what is already known about factors affecting health. For example, in the field of housing and health, there are a number of studies that demonstrate the links between damp and cold housing and respiratory disease and, increasingly, the links between high quality housing and quality of life (Thomson et al., 2001).

**Health impact**

A health impact can be positive or negative. A positive health impact is an effect which contributes to good health or to improving health. For example, having a sense of control over one’s life and having choices is known to have a beneficial effect on mental health and well-being, making people feel “healthier” (Wilkinson, 1996). A negative health impact has the opposite effect, causing or contributing to ill health. For example, working in unhygienic or unsafe conditions or spending a lot of time in an area with poor air quality is likely to have an adverse effect on physical health status.

**Health impact assessment**

Health impact assessment (HIA) is often defined as "A systematic process that uses an array of data sources and analytic methods and considers input from stakeholders to determine the potential effects of a proposed policy, plan, program or project on the health of a population and the distribution of those effects within the population. HIA provides recommendations on monitoring and managing those effects." (National Research Council of the National Academies, 2011).

**Indicator**

A health indicator is a characteristic of an individual, population, or environment which is subject to measurement (directly or indirectly) and can be used to describe one or more aspects of the health of an individual or population (quality, quantity and time).

**Outcomes**

The effect the process has had on the people targeted by it. These might include, for example, changes in their self-perceived health status or changes in the distribution of health determinants, or factors which are known to affect their health, well-being and quality of life.

**Population (Affected population)**

Groups of individuals defined by locality, biological criteria (e.g. age, gender, health condition, or common exposure), or social criteria (e.g. socio-economic status or cultural affiliation). How a population is defined in an HIA will depend on the proposed project/policy being considered, health issues of most concern, the extent and classification of existing evidence on those health issues, and what information is of most value to the policy-making process.

**Project**

A project is usually a discrete piece of work addressing a single population group or health determinant, usually with a pre-set time limit. Usually (but not always), the term refers to "bricks and mortar" projects involving construction of a discrete structure or group of structures, such as a power plant, highway, or housing development.

**Recommendations**

Practical solutions and strategies to manage identified adverse health impacts and maximize benefits to health that can be implemented within the political, economic, or technical limitations of the proposed change.

**Reporting**

In reference to the HIA, preparing the HIA report and sharing the findings with decision makers, affected communities, and other stakeholders.

**Qualitative and quantitative**

HIA tries to balance qualitative and quantitative evidence. It involves an evaluation of the quantitative, "scientific" evidence when it exists but also recognizes the importance of more qualitative information. This may include the opinions, experience and expectations of those people most directly affected by public policies. HIA tries to balance the various types of evidence (Barnes and Scott-Samuel, 1999). Generally speaking, quantitative evidence is based on what can be counted or measured objectively whilst qualitative evidence cannot be measured in the usual ways and may be more subjective. People’s perceptions, opinions and views are considered examples of qualitative information.

**Scoping**

Creating objectives for the HIA, in consultation with stakeholders, and outlining the process to identify potential health risks and benefits.

**Screening**

In relation to HIA, screening usually refers to an initial step being taken in order to determine whether a policy, program or project should be subject to a HIA. It is a step to understand whether the HIA is likely to add value and influence decision-making.

***HIA Glossary References***

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# Appendix B: Health Data

Pediatric Asthma Prevalence per 100 Students for Males and Females Combined

for School Years 2009-2010 to 2016-2017 by Community

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Braintree** | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | **Statistical Significance** | **Stability** |
| 2009-2010 | 498 | 4,143 | 12.0 | 11.0  -  13.1 | Not statistically significantly different |  |
| 2010-2011 | 477 | 4,200 | 11.4 | 10.3  -  12.4 | Not statistically significantly different |  |
| 2011-2012 | 499 | 4,204 | 11.9 | 10.8  -  12.9 | Not statistically significantly different |  |
| 2012-2013 | 466 | 4,250 | 11.0 | 10.0  -  12.0 | Statistically significantly lower |  |
| 2013-2014 | 492 | 4,294 | 11.5 | 10.4  -  12.5 | Not statistically significantly different |  |
| 2014-2015 | 463 | 4,250 | 10.9 | 9.9  -  11.9 | Statistically significantly lower |  |
| 2015-2016 | 521 | 4,291 | 12.1 | 11.1  -  13.2 | Not statistically significantly different |  |
| 2016-2017 | 528 | 4,277 | 12.3 | 11.3  -  13.4 | Not statistically significantly different |  |
| Braintree - Annual Average | 493 | 4,239 | 11.6 | 11.3 - 12.0 | Statistically significantly lower |  |
|  |  |  |  |  |  |  |
| **Hingham** | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | **Statistical Significance** | **Stability** |
| 2009-2010 | 276 | 2,873 | 9.6 | 8.5  -  10.7 | Statistically significantly lower |  |
| 2010-2011 | 307 | 3,231 | 9.5 | 8.4  -  10.6 | Statistically significantly lower |  |
| 2011-2012 | 316 | 3,277 | 9.6 | 8.6  -  10.7 | Statistically significantly lower |  |
| 2012-2013 | 316 | 3,287 | 9.6 | 8.6  -  10.7 | Statistically significantly lower |  |
| 2013-2014 | 325 | 3,120 | 10.4 | 9.3  -  11.5 | Statistically significantly lower |  |
| 2014-2015 | 244 | 3,303 | 7.4 | 6.5  -  8.3 | Statistically significantly lower |  |
| 2015-2016 | 337 | 3,337 | 10.1 | 9.0  -  11.2 | Statistically significantly lower |  |
| 2016-2017 | 313 | 3,385 | 9.2 | 8.2  -  10.3 | Statistically significantly lower |  |
| Hingham - Annual Average | 304 | 3,227 | 9.4 | 9.1 - 9.8 | Statistically significantly lower |  |
|  |  |  |  |  |  |  |
| **Quincy** | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | **Statistical Significance** | **Stability** |
| 2009-2010 | 735 | 6,740 | 10.9 | 10.1  -  11.7 | Not statistically significantly different |  |
| 2010-2011 | 726 | 6,890 | 10.5 | 9.8  -  11.3 | Statistically significantly lower |  |
| 2011-2012 | 814 | 6,977 | 11.7 | 10.9  -  12.5 | Not statistically significantly different |  |
| 2012-2013 | 748 | 7,040 | 10.6 | 9.9  -  11.4 | Statistically significantly lower |  |
| 2013-2014 | 745 | 7,167 | 10.4 | 9.6  -  11.1 | Statistically significantly lower |  |
| 2014-2015 | 804 | 7,112 | 11.3 | 10.5  -  12.1 | Statistically significantly lower |  |
| 2015-2016 | 730 | 6,988 | 10.4 | 9.7  -  11.2 | Statistically significantly lower |  |
| 2016-2017 | 584 | 7,069 | 8.3 | 7.6  -  8.9 | Statistically significantly lower |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Quincy - Annual Average | 736 | 6,998 | 10.5 | 10.2 - 10.8 | Statistically significantly lower |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Weymouth** | | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence (%)** | **95% Confidence Interval** | **Statistical Significance** | **Stability** | |
| 2009-2010 | 643 | 5,333 | 12.1 | 11.1  -  13.0 | Not statistically significantly different |  | |
| 2010-2011 | 704 | 5,383 | 13.1 | 12.1  -  14.0 | Statistically significantly higher |  | |
| 2011-2012 | 752 | 5,372 | 14.0 | 13.0  -  15.0 | Statistically significantly higher |  | |
| 2012-2013 | 703 | 5,328 | 13.2 | 12.2  -  14.2 | Statistically significantly higher |  | |
| 2013-2014 | 650 | 5,317 | 12.2 | 11.3  -  13.2 | Not statistically significantly different |  | |
| 2014-2015 | 641 | 5,224 | 12.3 | 11.3  -  13.2 | Not statistically significantly different |  | |
| 2015-2016 | 586 | 5,098 | 11.5 | 10.6  -  12.4 | Not statistically significantly different |  | |
| 2016-2017 | 561 | 4,933 | 11.4 | 10.4  -  12.3 | Not statistically significantly different |  | |
| Weymouth - Annual Average | 655 | 5,249 | 12.5 | 12.1 - 12.8 | Statistically significantly higher |  | |
|  |  |  |  |  |  |  | |
| **Statewide** |  |  |  |  |  |  | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** |  |  | |
| 2009-2010 | 80,440 | 696,904 | 11.5 | 11.4  -  11.6 |  |  | |
| 2010-2011 | 80,948 | 693,338 | 11.7 | 11.6  -  11.8 |  |  | |
| 2011-2012 | 82,548 | 691,614 | 11.9 | 11.8  -  12.0 |  |  | |
| 2012-2013 | 83,568 | 691,060 | 12.1 | 12.0  -  12.2 |  |  | |
| 2013-2014 | 85,364 | 689,300 | 12.4 | 12.3  -  12.5 |  |  | |
| 2014-2015 | 83,854 | 685,649 | 12.2 | 12.1  -  12.3 |  |  | |
| 2015-2016 | 84,230 | 681,295 | 12.4 | 12.3  -  12.5 |  |  | |
| 2016-2017 | 82,279 | 679,336 | 12.1 | 12.0  -  12.2 |  |  | |
| **Statewide - Annual Average** | **82,904** | **688,562** | **12.0** | **12.0  -  12.1** |  |  | |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | | | |
| · NS indicates number/prevalence not shown due to small numbers.  These data are suppressed for confidentiality reasons. | | | | | | | | |
| · NA indicates insufficient school enrollment data available to calculate prevalence. NA for both student case count and student enrollment may indicate the school location is no longer in use, or prevalence could not be calculated due to a data collection issue | | | | | | |  | |
| · School list is based on the current data provided by the Massachusetts Department of Education http://www.doe.mass.edu/ | | | | | | | | |
| · Asthma prevalence is only for children enrolled in grades Kindergarten through 8th grade. | | | | | | | | |
| · Community prevalence is based on the residential address of the student. | | | | | | | | |
| · When comparing prevalence across geographic areas, a variety of non-environmental factors can impact asthma prevalence. | | | | | | | | |
| · Statistical significance indicates that prevalence is different from the state prevalence and the difference is unlikely due to chance. | | | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |  | |
| · Data source: Bureau of Environmental Health Massachusetts Department of Public Health. | | | | | | | | |
| · Numbers and prevalence may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating prevalence and updates in population estimates | | | | | | |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [Quincy - Public - Clifford H Marshall Elementary](http://profiles.doe.mass.edu/profiles/general.aspx?topNavId=1&orgcode=02430055&orgtypecode=6&) | | | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | **Statistical Significance** | | **Stability** | |
| 2009-2010 | 35 | 535 | 6.5 | 4.3  -  8.7 | Statistically significantly lower | |  | |
| 2010-2011 | 28 | 530 | 5.3 | 3.3  -  7.3 | Statistically significantly lower | |  | |
| 2011-2012 | 61 | 563 | 10.8 | 8.1  -  13.5 | Not statistically significantly different | |  | |
| 2012-2013 | 63 | 559 | 11.3 | 8.5  -  14.1 | Not statistically significantly different | |  | |
| 2013-2014 | 67 | 577 | 11.6 | 8.8  -  14.4 | Not statistically significantly different | |  | |
| 2014-2015 | 86 | 575 | 15 | 11.8  -  18.2 | Not statistically significantly different | |  | |
| 2015-2016 | 86 | 577 | 14.9 | 11.8  -  18.0 | Not statistically significantly different | |  | |
| 2016-2017 | 93 | 575 | 16.2 | 12.9  -  19.5 | Statistically significantly higher | |  | |
| School Annual Average | 65 | 561 | 11.6 | 10.6 - 12.6 | Not statistically significantly different | |  | |
|  |  |  |  |  |  | |  | |
| [Quincy - Private - Mutanafisun Academy](http://profiles.doe.mass.edu/profiles/general.aspx?topNavId=10001&orgcode=02430855&orgtypecode=11&) | | | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | **Statistical Significance** | | **Stability** | |
| 2009-2010 | 0 | NA | NC | NC | NC | |  | |
| 2010-2011 | 0 | NA | NC | NC | NC | |  | |
| 2011-2012 | 0 | NA | NC | NC | NC | |  | |
| 2012-2013 | 0 | 33 | 0 | 0 - 19.4 | Not statistically significantly different | | Unstable | |
| 2013-2014 | 0 | 33 | 0 | 0 - 19.4 | Not statistically significantly different | | Unstable | |
| 2014-2015 | NS | 37 | NS | NS | NS | |  | |
| 2015-2016 | 0 | 27 | 0 | 0 - 23.7 | Not statistically significantly different | | Unstable | |
| 2016-2017 | NS | 50 | NS | NS | NS | |  | |
| School Annual Average | 0 | 22 | 1.1 | 0.0 - 2.7 | Statistically significantly lower | |  | |
|  |  |  |  |  |  | |  | |
| [Quincy - Public - Snug Harbor Community School](http://profiles.doe.mass.edu/profiles/general.aspx?topNavId=1&orgcode=02430090&orgtypecode=6&) | | | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | **Statistical Significance** | | **Stability** | |
| 2009-2010 | 30 | 252 | 11.9 | 7.6  -  16.2 | Not statistically significantly different | |  | |
| 2010-2011 | 31 | 285 | 10.9 | 7.1  -  14.7 | Not statistically significantly different | |  | |
| 2011-2012 | 30 | 288 | 10.4 | 6.7  -  14.1 | Not statistically significantly different | |  | |
| 2012-2013 | 25 | 291 | 8.6 | 5.2  -  12.0 | Statistically significantly lower | |  | |
| 2013-2014 | 26 | 311 | 8.4 | 5.2  -  11.6 | Statistically significantly lower | |  | |
| 2014-2015 | 40 | 300 | 13.3 | 9.2  -  17.4 | Not statistically significantly different | |  | |
| 2015-2016 | 46 | 302 | 15.2 | 10.8  -  19.6 | Not statistically significantly different | |  | |
| 2016-2017 | 43 | 303 | 14.2 | 10.0  -  18.4 | Not statistically significantly different | |  | |
| School Annual Average | 34 | 292 | 11.6 | 10.2 - 13.0 | Not statistically significantly different | |  | |
|  |  |  |  |  |  | |  | |
| [Weymouth - Private - St Jerome Elementary](http://profiles.doe.mass.edu/profiles/general.aspx?topNavId=10001&orgcode=03360895&orgtypecode=11&) | | | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | **Statistical Significance** | | **Stability** | |
| 2009-2010 | 17 | 184 | 9.2 | 4.8  -  13.6 | Not statistically significantly different | |  | |
| 2010-2011 | 15 | 188 | 8 | 4.0  -  12.0 | Not statistically significantly different | |  | |
| 2011-2012 | 15 | 174 | 8.6 | 4.2  -  13.0 | Not statistically significantly different | |  | |
| 2012-2013 | 15 | 179 | 8.4 | 4.1  -  12.7 | Not statistically significantly different | |  | |
| 2013-2014 | 12 | 159 | 7.5 | 3.3  -  11.7 | Statistically significantly lower | |  | |
| 2014-2015 | 13 | 157 | 8.3 | 3.8  -  12.8 | Not statistically significantly different | |  | |
| 2015-2016 | 9 | 149 | 6 | 2.1  -  9.9 | Statistically significantly lower | | Unstable | |
| 2016-2017 | 11 | 145 | 7.6 | 3.1  -  12.1 | Not statistically significantly different | | Unstable | |
| School Annual Average | 13 | 167 | 8 | 6.5 - 9.5 | Statistically significantly lower | |  | |
|  |  |  |  |  |  | |  | |
| [Weymouth - Public - Wessagusset](http://profiles.doe.mass.edu/profiles/general.aspx?topNavId=1&orgcode=03360110&orgtypecode=6&) | | | | | | | | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | | **Statistical Significance** | **Stability** | |
| 2009-2010 | 33 | 405 | 8.1 | 5.3  -  10.9 | | Statistically significantly lower |  | |
| 2010-2011 | 46 | 387 | 11.9 | 8.5  -  15.3 | | Not statistically significantly different |  | |
| 2011-2012 | 40 | 375 | 10.7 | 7.4  -  14.0 | | Not statistically significantly different |  | |
| 2012-2013 | 77 | 361 | 21.3 | 16.5  -  26.1 | | Statistically significantly higher |  | |
| 2013-2014 | 50 | 353 | 14.2 | 10.3  -  18.1 | | Not statistically significantly different |  | |
| 2014-2015 | 38 | 348 | 10.9 | 7.4  -  14.4 | | Not statistically significantly different |  | |
| 2015-2016 | 21 | 330 | 6.4 | 3.7  -  9.1 | | Statistically significantly lower |  | |
| 2016-2017 | 21 | 294 | 7.1 | 4.1  -  10.1 | | Statistically significantly lower |  | |
| School Annual Average | 41 | 357 | 11.4 | 10.2 - 12.7 | | Not statistically significantly different |  | |
|  |  |  |  |  | |  |  | |
| **Statewide** |  |  |  |  | |  |  | |
| **School Year** | **Student Case Count** | **Student Enrollment Count** | **Prevalence** | **95% Confidence Interval** | |  |  | |
| 2009-2010 | 80,440 | 696,904 | 11.5 | 11.4  -  11.6 | |  |  | |
| 2010-2011 | 80,948 | 693,338 | 11.7 | 11.6  -  11.8 | |  |  | |
| 2011-2012 | 82,548 | 691,614 | 11.9 | 11.8  -  12.0 | |  |  | |
| 2012-2013 | 83,568 | 691,060 | 12.1 | 12.0  -  12.2 | |  |  | |
| 2013-2014 | 85,364 | 689,300 | 12.4 | 12.3  -  12.5 | |  |  | |
| 2014-2015 | 83,854 | 685,649 | 12.2 | 12.1  -  12.3 | |  |  | |
| 2015-2016 | 84,230 | 681,295 | 12.4 | 12.3  -  12.5 | |  |  | |
| 2016-2017 | 82,279 | 679,336 | 12.1 | 12.0  -  12.2 | |  |  | |
| **Statewide - Annual Average** | **82,904** | **688,562** | **12.0** | **12.0  -  12.1** | |  |  | |
|  |  |  |  |  | |  |  | |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | | | | |
| · NS indicates number/prevalence not shown due to small numbers.  These data are suppressed for confidentiality reasons. | | | | | | | | | |
| · NA indicates insufficient school enrollment data available to calculate prevalence. NA for both student case count and student enrollment may indicate the school location is no longer in use, or prevalence could not be calculated due to a data collection issue | | | | | | | |  | |
| · School list is based on the current data provided by the Massachusetts Department of Education http://www.doe.mass.edu/ | | | | | | | | | |
| · Asthma prevalence is only for children enrolled in grades Kindergarten through 8th grade. | | | | | | | | | |
| · School prevalence is based on the school attended by the student. | | | | | | | | | |
| · When comparing prevalence across geographic areas, a variety of non-environmental factors can impact asthma prevalence. | | | | | | | | | |
| · Statistical significance indicates that prevalence is different from the state prevalence and the difference is unlikely due to chance. | | | | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | | |  | |
| · Data source: Bureau of Environmental Health Massachusetts Department of Public Health. | | | | | | | | | |
| · Numbers and prevalence may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating prevalence and updates in population estimates | | | | | | | |  | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Braintree** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 44 | 13.0 | 12.1 | 8.5 - 15.7 | Not statistically significantly different | Stable |
| 2001 | 36 | 10.6 | 10.6 | 7.1 - 14.1 | Not statistically significantly different | Stable |
| 2002 | 39 | 11.4 | 10.8 | 7.4 - 14.2 | Not statistically significantly different | Stable |
| 2003 | 43 | 12.5 | 12.7 | 8.9 - 16.5 | Not statistically significantly different | Stable |
| 2004 | 49 | 14.2 | 13.4 | 9.6 - 17.1 | Not statistically significantly different | Stable |
| 2005 | 32 | 9.2 | 8.3 | 5.4 - 11.2 | Statistically significantly lower | Stable |
| 2006 | 45 | 12.9 | 11.7 | 8.3 - 15.2 | Not statistically significantly different | Stable |
| 2007 | 53 | 15.1 | 14.3 | 10.4 - 18.1 | Not statistically significantly different | Stable |
| 2008 | 46 | 13.0 | 12.5 | 8.9 - 16.1 | Not statistically significantly different | Stable |
| 2009 | 59 | 16.6 | 15.2 | 11.3 - 19.0 | Not statistically significantly different | Stable |
| 2010 | 52 | 14.6 | 14.2 | 10.3 - 18.0 | Not statistically significantly different | Stable |
| 2011 | 70 | 19.3 | 19.0 | 14.6 - 23.5 | Not statistically significantly different | Stable |
| 2012 | 37 | 10.1 | 9.4 | 6.4 - 12.5 | Statistically significantly lower | Stable |
| 2013 | 42 | 11.3 | 11.2 | 7.8 - 14.6 | Not statistically significantly different | Stable |
| 2014 | 42 | 11.1 | 11.4 | 8.0 - 14.9 | Not statistically significantly different | Stable |
| 2015 | 31 | 8.1 | 7.8 | 5.1 - 10.5 | Statistically significantly lower |  |
| Braintree - Annual Average | 45 | 12.7 | 12.2 | 11.3 - 13.1 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Hingham** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | NS | NS | NS | NS | NS | NS |
| 2001 | 21 | 10.4 | 9.2 | 5.3 - 13.1 | Not statistically significantly different | Stable |
| 2002 | 14 | 6.9 | 6.6 | 3.1 - 10.0 | Statistically significantly lower | Stable |
| 2003 | 11 | 5.4 | 4.5 | 1.2 - 7.1 | Statistically significantly lower | Unstable |
| 2004 | 14 | 6.7 | 6.3 | 3.0 - 9.6 | Statistically significantly lower | Stable |
| 2005 | 24 | 11.4 | 9.5 | 5.7 - 13.3 | Statistically significantly lower | Stable |
| 2006 | 11 | 5.2 | 4.9 | 2.0 - 7.7 | Statistically significantly lower | Unstable |
| 2007 | 19 | 8.9 | 7.7 | 4.3 - 11.2 | Statistically significantly lower | Stable |
| 2008 | 22 | 10.1 | 8.6 | 5.0 - 12.2 | Statistically significantly lower | Stable |
| 2009 | 16 | 7.3 | 6.1 | 3.1 - 9.1 | Statistically significantly lower | Stable |
| 2010 | 27 | 12.2 | 9.1 | 5.7 - 12.6 | Statistically significantly lower | Stable |
| 2011 | 22 | 9.8 | 9.4 | 5.5 - 13.4 | Statistically significantly lower | Stable |
| 2012 | 13 | 5.8 | 4.9 | 2.2 - 7.6 | Statistically significantly lower | Stable |
| 2013 | 18 | 7.9 | 6.0 | 3.2 - 8.7 | Statistically significantly lower | Stable |
| 2014 | NS | NS | NS | NS | NS | NS |
| 2015 | 19 | 8.2 | 6.0 | 3.3 - 8.7 | Statistically significantly lower |  |
| Hingham - Annual Average | 17 | 7.7 | 6.6 | 5.8 - 7.4 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Quincy** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 111 | 12.6 | 12.5 | 10.2 - 14.8 | Not statistically significantly different | Stable |
| 2001 | 117 | 13.2 | 13.4 | 10.9 - 15.8 | Not statistically significantly different | Stable |
| 2002 | 104 | 11.7 | 12.1 | 9.8 - 14.5 | Not statistically significantly different | Stable |
| 2003 | 136 | 15.2 | 15.7 | 13.0 - 18.3 | Not statistically significantly different | Stable |
| 2004 | 108 | 12.0 | 12.1 | 9.8 - 14.3 | Not statistically significantly different | Stable |
| 2005 | 131 | 14.5 | 14.5 | 12.0 - 17.0 | Not statistically significantly different | Stable |
| 2006 | 141 | 15.6 | 16.0 | 13.3 - 18.6 | Not statistically significantly different | Stable |
| 2007 | 105 | 11.5 | 11.4 | 9.2 - 13.5 | Statistically significantly lower | Stable |
| 2008 | 121 | 13.2 | 13.1 | 10.7 - 15.4 | Statistically significantly lower | Stable |
| 2009 | 123 | 13.4 | 13.9 | 11.4 - 16.3 | Not statistically significantly different | Stable |
| 2010 | 114 | 12.4 | 12.4 | 10.1 - 14.7 | Statistically significantly lower | Stable |
| 2011 | 119 | 12.7 | 12.3 | 10.1 - 14.5 | Statistically significantly lower | Stable |
| 2012 | 89 | 9.4 | 9.7 | 7.7 - 11.8 | Statistically significantly lower | Stable |
| 2013 | 82 | 8.6 | 8.5 | 6.7 - 10.3 | Statistically significantly lower | Stable |
| 2014 | 104 | 10.7 | 10.4 | 8.4 - 12.4 | Not statistically significantly different | Stable |
| 2015 | 78 | 8.0 | 8.5 | 6.6 - 10.4 | Statistically significantly lower |  |
| Quincy - Annual Average | 111 | 12.1 | 12.3 | 11.7 - 12.8 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Weymouth** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 72 | 13.3 | 13.1 | 10.0 - 16.1 | Not statistically significantly different | Stable |
| 2001 | 67 | 12.4 | 12.0 | 9.2 - 14.9 | Not statistically significantly different | Stable |
| 2002 | 70 | 13.0 | 13.1 | 10.0 - 16.1 | Not statistically significantly different | Stable |
| 2003 | 77 | 14.3 | 14.0 | 10.9 - 17.1 | Not statistically significantly different | Stable |
| 2004 | 71 | 13.2 | 12.7 | 9.7 - 15.6 | Not statistically significantly different | Stable |
| 2005 | 86 | 16.0 | 15.6 | 12.3 - 18.9 | Not statistically significantly different | Stable |
| 2006 | 75 | 13.9 | 13.9 | 10.8 - 17.0 | Not statistically significantly different | Stable |
| 2007 | 70 | 13.0 | 13.1 | 10.1 - 16.2 | Not statistically significantly different | Stable |
| 2008 | 110 | 20.5 | 21.1 | 17.2 - 25.1 | Statistically significantly higher | Stable |
| 2009 | 100 | 18.6 | 18.2 | 14.7 - 21.8 | Not statistically significantly different | Stable |
| 2010 | 101 | 18.8 | 19.6 | 15.8 - 23.4 | Not statistically significantly different | Stable |
| 2011 | 89 | 16.4 | 17.3 | 13.7 - 20.9 | Not statistically significantly different | Stable |
| 2012 | 89 | 16.3 | 16.5 | 13.1 - 19.9 | Not statistically significantly different | Stable |
| 2013 | 73 | 13.3 | 13.0 | 10.0 - 16.0 | Not statistically significantly different | Stable |
| 2014 | 92 | 16.7 | 16.0 | 12.7 - 19.3 | Statistically significantly higher | Stable |
| 2015 | 81 | 14.6 | 13.6 | 10.6 - 16.6 | Not statistically significantly different |  |
| Weymouth - Annual Average | 83 | 15.3 | 15.2 | 14.4 - 16.0 | Statistically significantly higher | Stable |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2000 | 8,039 | 12.7 | 12.6 | 12.3 - 12.9 |  |  |
| 2001 | 8,287 | 13.0 | 13.1 | 12.8 - 13.4 |  |  |
| 2002 | 8,084 | 12.7 | 12.8 | 12.5 - 13.1 |  |  |
| 2003 | 9,945 | 15.5 | 15.7 | 15.4 - 16.0 |  |  |
| 2004 | 8,855 | 13.8 | 13.8 | 13.5 - 14.1 |  |  |
| 2005 | 9,062 | 14.1 | 14.1 | 13.8 - 14.4 |  |  |
| 2006 | 9,491 | 14.7 | 14.7 | 14.4 - 15.0 |  |  |
| 2007 | 9,385 | 14.5 | 14.5 | 14.2 - 14.8 |  |  |
| 2008 | 10,311 | 15.8 | 15.9 | 15.6 - 16.2 |  |  |
| 2009 | 10,577 | 16.2 | 16.0 | 15.7 - 16.3 |  |  |
| 2010 | 10,133 | 15.5 | 15.5 | 15.2 - 15.8 |  |  |
| 2011 | 9,928 | 15.0 | 15.0 | 14.7 - 15.3 |  |  |
| 2012 | 8,852 | 13.3 | 13.4 | 13.1 - 13.7 |  |  |
| 2013 | 7,957 | 11.8 | 11.9 | 11.6 - 12.2 |  |  |
| 2014 | 8,172 | 12.0 | 11.9 | 11.6 - 12.2 |  |  |
| 2015 | 7,347 | 10.8 | 10.7 | 10.5 - 11.0 |  |  |
| **Statewide - Annual Average** | **9,027** | **13.8** | **13.9** | **13.8 - 13.9** |  |  |
|  |  |  |  |  |  |  |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Inter-censal year estimates for 2001 through 2009 were created by linear interpolation of U.S. Decennial Census data. Post-censal year estimates for 2011 to present were created by the UMass Donahue Institute. | | | | | | |

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| **Zip Code 02191** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2010 | 18 | 21.3 | 21.6 | 11.6 - 31.6 | Not statistically significantly different | Stable |
| 2011 | 13 | 14.9 | 22.5 | 10.3 - 34.7 | Not statistically significantly different | Stable |
| 2012 | NS | NS | NS | NS | NS | Stable |
| 2013 | NS | NS | NS | NS | NS | Stable |
| 2014 | 11 | 13.2 | 13.8 | 5.6 - 22.0 | Not statistically significantly different | Stable |
| 2015 | NS | NS | NS | NS | NS |  |
| Zip Code - 02191 Annual Average | 11 | 12.4 | 13.8 | 5.6 - 22.0 | Not statistically significantly different | Stable |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2010 | 10,133 | 15.5 | 15.5 | 15.2 - 15.8 |  |  |
| 2011 | 9,928 | 15.0 | 15.0 | 14.7 - 15.3 |  |  |
| 2012 | 8,852 | 13.3 | 13.4 | 13.1 - 13.7 |  |  |
| 2013 | 7,957 | 11.8 | 11.9 | 11.6 - 12.2 |  |  |
| 2014 | 8,172 | 12.0 | 11.9 | 11.6 - 12.2 |  |  |
| 2015 | 7,347 | 10.8 | 10.7 | 10.5 - 11.0 |  |  |
| **Statewide - Annual Average** | **8,732** | **13.1** | **13.1** | **12.8 - 13.4** |  |  |
|  |  |  |  |  |  |  |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Post-censal year estimates for 2011 to 2015 were created by the UMass Donahue Institute and used for statewide rates. Post-censal year estimates for 2011 to 2015 from the American Community Survey by the U.S. Census Bureau were used for zip code rates. | | | | | | |

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| **Braintree** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2002 | 139 | 40.6 | 42.6 | 35.5 - 49.7 | Statistically significantly lower | Stable |
| 2003 | 165 | 48.0 | 52.3 | 44.3 - 60.3 | Statistically significantly lower | Stable |
| 2004 | 176 | 50.9 | 54.3 | 46.3 - 62.4 | Statistically significantly lower | Stable |
| 2005 | 173 | 49.7 | 53.1 | 45.2 - 61.0 | Statistically significantly lower | Stable |
| 2006 | 153 | 43.7 | 47.3 | 39.8 - 54.8 | Statistically significantly lower | Stable |
| 2007 | 132 | 37.5 | 39.3 | 32.6 - 46.0 | Statistically significantly lower | Stable |
| 2008 | 127 | 35.9 | 38.4 | 31.7 - 45.0 | Statistically significantly lower | Stable |
| 2009 | 181 | 50.9 | 53.8 | 45.9 - 61.6 | Statistically significantly lower | Stable |
| 2010 | 134 | 37.5 | 39.2 | 32.6 - 45.9 | Statistically significantly lower | Stable |
| 2011 | 185 | 51.0 | 53.0 | 45.4 - 60.7 | Statistically significantly lower | Stable |
| 2012 | 162 | 44.0 | 47.0 | 39.7 - 54.2 | Statistically significantly lower | Stable |
| 2013 | 169 | 45.3 | 49.6 | 42.1 - 57.0 | Statistically significantly lower | Stable |
| 2014 | 201 | 53.3 | 58.3 | 50.3 - 66.4 | Statistically significantly lower | Stable |
| 2015 | 162 | 42.5 | 46.0 | 38.9 - 53.1 | Statistically significantly lower |  |
| Braintree - Annual Average | 161 | 45.1 | 48.2 | 46.2 - 50.1 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Hingham** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2002 | 49 | 24.1 | 24.2 | 17.4 - 30.9 | Statistically significantly lower | Stable |
| 2003 | 55 | 26.7 | 30.3 | 22.3 - 38.3 | Statistically significantly lower | Stable |
| 2004 | 66 | 31.7 | 31.9 | 24.2 - 39.6 | Statistically significantly lower | Stable |
| 2005 | 71 | 33.8 | 33.8 | 25.9 - 41.7 | Statistically significantly lower | Stable |
| 2006 | 35 | 16.5 | 18.7 | 12.5 - 24.9 | Statistically significantly lower | Stable |
| 2007 | 60 | 27.9 | 31.1 | 23.2 - 39.0 | Statistically significantly lower | Stable |
| 2008 | 50 | 23.0 | 23.4 | 16.9 - 29.9 | Statistically significantly lower | Stable |
| 2009 | 51 | 23.3 | 26.5 | 19.2 - 33.8 | Statistically significantly lower | Stable |
| 2010 | 55 | 24.8 | 26.0 | 19.1 - 32.9 | Statistically significantly lower | Stable |
| 2011 | 49 | 21.9 | 23.1 | 16.6 - 29.5 | Statistically significantly lower | Stable |
| 2012 | 46 | 20.4 | 22.3 | 15.9 - 28.8 | Statistically significantly lower | Stable |
| 2013 | 51 | 22.4 | 22.9 | 16.6 - 29.2 | Statistically significantly lower | Stable |
| 2014 | 41 | 17.9 | 18.7 | 13.00- 24.5 | Statistically significantly lower | Stable |
| 2015 | 54 | 23.3 | 21.7 | 15.9 - 27.5 | Statistically significantly lower |  |
| Hingham - Annual Average | 52 | 24.0 | 25.3 | 23.5 - 27.2 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Quincy** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2002 | 492 | 55.4 | 58.3 | 53.2 - 63.5 | Statistically significantly lower | Stable |
| 2003 | 533 | 59.7 | 64.6 | 59.1 - 70.1 | Statistically significantly lower | Stable |
| 2004 | 529 | 59.0 | 63.6 | 58.2 - 69.0 | Statistically significantly lower | Stable |
| 2005 | 522 | 57.9 | 61.9 | 56.6 - 67.2 | Statistically significantly lower | Stable |
| 2006 | 567 | 62.6 | 66.4 | 61.0 - 71.9 | Statistically significantly lower | Stable |
| 2007 | 500 | 54.9 | 57.5 | 52.5 - 62.5 | Statistically significantly lower | Stable |
| 2008 | 504 | 55.1 | 57.8 | 52.7 - 62.8 | Statistically significantly lower | Stable |
| 2009 | 503 | 54.8 | 58.6 | 53.5 - 63.7 | Statistically significantly lower | Stable |
| 2010 | 472 | 51.2 | 54.3 | 49.4 - 59.2 | Statistically significantly lower | Stable |
| 2011 | 478 | 51.1 | 53.9 | 49.1 - 58.7 | Statistically significantly lower | Stable |
| 2012 | 484 | 51.1 | 55.1 | 50.2 - 60.0 | Statistically significantly lower | Stable |
| 2013 | 458 | 47.8 | 50.9 | 46.3 - 55.6 | Statistically significantly lower | Stable |
| 2014 | 498 | 51.4 | 55.8 | 50.9 - 60.7 | Statistically significantly lower | Stable |
| 2015 | 451 | 46.2 | 47.9 | 43.5 - 52.3 | Statistically significantly lower |  |
| Quincy - Annual Average | 499 | 54.0 | 57.6 | 56.3 - 59.0 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Weymouth** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2002 | 260 | 48.2 | 50.4 | 44.2 - 56.5 | Statistically significantly lower | Stable |
| 2003 | 249 | 46.2 | 47.7 | 41.8 - 53.7 | Statistically significantly lower | Stable |
| 2004 | 299 | 55.5 | 58.1 | 51.5 - 64.7 | Statistically significantly lower | Stable |
| 2005 | 350 | 65.0 | 68.8 | 61.6 - 76.0 | Not statistically significantly different | Stable |
| 2006 | 275 | 51.1 | 54.7 | 48.2 - 61.1 | Statistically significantly lower | Stable |
| 2007 | 265 | 49.2 | 53.5 | 47.0 - 59.9 | Statistically significantly lower | Stable |
| 2008 | 342 | 63.6 | 68.5 | 61.3 - 75.8 | Statistically significantly lower | Stable |
| 2009 | 344 | 64.0 | 68.2 | 61.0 - 75.4 | Statistically significantly lower | Stable |
| 2010 | 341 | 63.4 | 69.4 | 62.0 - 76.7 | Not statistically significantly different | Stable |
| 2011 | 324 | 59.7 | 65.7 | 58.6 - 72.9 | Not statistically significantly different | Stable |
| 2012 | 348 | 63.7 | 68.9 | 61.6 - 76.1 | Not statistically significantly different | Stable |
| 2013 | 354 | 64.3 | 70.1 | 62.8 - 77.4 | Not statistically significantly different | Stable |
| 2014 | 406 | 73.5 | 80.1 | 72.3 - 87.9 | Statistically significantly higher | Stable |
| 2015 | 324 | 58.5 | 62.8 | 56.0 - 69.7 | Not statistically significantly different |  |
| Weymouth - Annual Average | 320 | 59.0 | 63.3 | 61.5 - 65.2 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2002 | 47,478 | 74.3 | 75.7 | 75.0 - 76.4 |  |  |
| 2003 | 51,063 | 79.7 | 81.6 | 80.9 - 82.3 |  |  |
| 2004 | 45,147 | 70.2 | 72.0 | 71.3 - 72.7 |  |  |
| 2005 | 46,020 | 71.4 | 73.3 | 72.6 - 74.0 |  |  |
| 2006 | 47,119 | 72.8 | 75.2 | 74.5 - 75.9 |  |  |
| 2007 | 45,486 | 70.1 | 72.8 | 72.1 - 73.5 |  |  |
| 2008 | 49,066 | 75.4 | 78.4 | 77.7 - 79.1 |  |  |
| 2009 | 47,869 | 73.3 | 76.3 | 75.6 - 77.0 |  |  |
| 2010 | 43,884 | 67.0 | 70.1 | 69.4 - 70.8 |  |  |
| 2011 | 45,152 | 68.2 | 71.6 | 70.9 - 72.3 |  |  |
| 2012 | 46,284 | 69.3 | 73.0 | 72.3 - 73.7 |  |  |
| 2013 | 43,897 | 65.2 | 68.7 | 68.1 - 69.3 |  |  |
| 2014 | 45,371 | 66.8 | 70.8 | 70.1 - 71.5 |  |  |
| 2015 | 42,887 | 62.8 | 66.5 | 65.9 - 57.2 |  |  |
| **Statewide - Annual Average** | **46,195** | **70.4** | **73.3** | **73.1 - 73.4** |  |  |
|  |  |  |  |  |  |  |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Inter-censal year estimates for 2001 through 2009 were created by linear interpolation of U.S. Decennial Census data. Post-censal year estimates for 2011 to present were created by the UMass Donahue Institute. | | | | | | |

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| **Zip Code 02191** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2010 | 49 | 57.9 | 68.3 | 49.2 - 87.4 | Not statistically significantly different | Stable |
| 2011 | 48 | 55.3 | 68.3 | 60.1 - 107.5 | Not statistically significantly different | Stable |
| 2012 | 41 | 46.9 | 59.9 | 42.4 - 79.8 | Not statistically significantly different | Stable |
| 2013 | 42 | 50.2 | 62.6 | 46.3 - 86.5 | Not statistically significantly different | Stable |
| 2014 | 32 | 38.2 | 43.5 | 30.5 - 62.7 | Statistically significantly lower | Stable |
| 2015 | 27 | 32.3 | 36.0 | 24.8 - 46.0 | Statistically significantly lower |  |
| Zip Code - 02191 Annual Average | 40 | 46.8 | 56.4 | 38.9 - 73.9 | Not statistically significantly different | Stable |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2010 | 43,884 | 67.0 | 70.1 | 69.4 - 70.8 |  |  |
| 2011 | 45,152 | 68.2 | 71.6 | 70.9 - 72.3 |  |  |
| 2012 | 46,284 | 69.3 | 73.0 | 72.3 - 73.7 |  |  |
| 2013 | 43,897 | 65.2 | 68.7 | 68.1 - 69.3 |  |  |
| 2014 | 45,371 | 66.8 | 70.8 | 70.1 - 71.5 |  |  |
| 2015 | 42,887 | 62.8 | 66.5 | 65.9 - 67.2 |  |  |
| **Statewide - Annual Average** | **44,579** | **66.5** | **70.1** | **69.4 - 70.8** |  |  |
|  |  |  |  |  |  |  |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Post-censal year estimates for 2011 to 2015 were created by the UMass Donahue Institute and used for statewide rates. Post-censal year estimates for 2011 to 2015 from the American Community Survey by the U.S. Census Bureau were used for zip code rates. | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Braintree** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 98 | 40.8 | 32.8 | 26.3 - 39.3 | Not statistically significantly different | Stable |
| 2001 | 112 | 46.4 | 37.2 | 30.3 - 44.1 | Not statistically significantly different | Stable |
| 2002 | 96 | 39.5 | 32.3 | 25.8 - 38.7 | Not statistically significantly different | Stable |
| 2003 | 109 | 44.7 | 35.6 | 28.9 - 42.2 | Not statistically significantly different | Stable |
| 2004 | 117 | 47.7 | 37.8 | 30.9 - 44.6 | Statistically significantly higher | Stable |
| 2005 | 110 | 44.6 | 35.5 | 28.9 - 42.1 | Statistically significantly higher | Stable |
| 2006 | 90 | 36.3 | 28.3 | 22.5 - 34.2 | Not statistically significantly different | Stable |
| 2007 | 107 | 43.0 | 34.5 | 28.0 - 41.1 | Statistically significantly higher | Stable |
| 2008 | 127 | 50.8 | 41.1 | 33.9 - 48.2 | Statistically significantly higher | Stable |
| 2009 | 130 | 51.7 | 40.5 | 33.5 - 47.4 | Statistically significantly higher | Stable |
| 2010 | 125 | 49.5 | 40.4 | 33.3 - 47.5 | Statistically significantly higher | Stable |
| 2011 | 139 | 54.3 | 43.9 | 36.6 - 51.2 | Statistically significantly higher | Stable |
| 2012 | 123 | 47.4 | 36.6 | 30.1 - 43.1 | Not statistically significantly different | Stable |
| 2013 | 94 | 35.8 | 29.0 | 23.2 - 34.9 | Not statistically significantly different | Stable |
| 2014 | 92 | 34.7 | 28.9 | 23.0 - 34.9 | Not statistically significantly different | Stable |
| 2015 | 107 | 40.1 | 32.1 | 26.0 - 38.2 | Not statistically significantly different |  |
| Braintree - Annual Average | 111 | 44.2 | 35.4 | 33.8 - 37.1 | Statistically significantly higher | Stable |
|  |  |  |  |  |  |  |
| **Hingham** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 31 | 22.9 | 20.5 | 13.3 - 27.7 | Statistically significantly lower | Stable |
| 2001 | 44 | 32.2 | 28.3 | 19.9 - 36.6 | Not statistically significantly different | Stable |
| 2002 | 36 | 26.0 | 22.4 | 15.1 - 29.7 | Not statistically significantly different | Stable |
| 2003 | 32 | 22.8 | 19.1 | 12.5 - 25.7 | Statistically significantly lower | Stable |
| 2004 | 28 | 19.7 | 14.4 | 9.0 - 19.7 | Statistically significantly lower | Stable |
| 2005 | 41 | 28.6 | 20.6 | 14.3 - 26.9 | Statistically significantly lower | Stable |
| 2006 | 29 | 20.0 | 15.8 | 10.0 - 21.5 | Statistically significantly lower | Stable |
| 2007 | 22 | 15.0 | 10.1 | 5.9 - 14.3 | Statistically significantly lower | Stable |
| 2008 | 53 | 35.7 | 19.6 | 14.3 - 24.8 | Statistically significantly lower | Stable |
| 2009 | 47 | 31.3 | 20.0 | 14.3 - 25.7 | Statistically significantly lower | Stable |
| 2010 | 44 | 28.9 | 18.5 | 13.1 - 24.0 | Statistically significantly lower | Stable |
| 2011 | 49 | 31.9 | 19.4 | 13.9 - 24.8 | Statistically significantly lower | Stable |
| 2012 | 38 | 24.5 | 15.4 | 10.5 - 20.2 | Statistically significantly lower | Stable |
| 2013 | 41 | 26.1 | 15.2 | 10.5 - 19.8 | Statistically significantly lower | Stable |
| 2014 | 33 | 20.8 | 12.5 | 8.2 - 16.7 | Statistically significantly lower | Stable |
| 2015 | 49 | 30.5 | 19.4 | 14.0 - 24.8 | Statistically significantly lower |  |
| Hingham - Annual Average | 39 | 26.1 | 18.2 | 16.8 - 19.6 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Quincy** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 303 | 46.2 | 44.5 | 39.4 - 49.5 | Statistically significantly higher | Stable |
| 2001 | 304 | 46.1 | 43.5 | 38.6 - 48.4 | Statistically significantly higher | Stable |
| 2002 | 256 | 38.7 | 36.4 | 32.0 - 40.9 | Statistically significantly higher | Stable |
| 2003 | 302 | 45.4 | 42.3 | 37.5 - 47.0 | Statistically significantly higher | Stable |
| 2004 | 345 | 51.6 | 48.6 | 43.5 - 53.7 | Statistically significantly higher | Stable |
| 2005 | 340 | 50.6 | 47.7 | 42.7 - 52.8 | Statistically significantly higher | Stable |
| 2006 | 282 | 41.7 | 40.3 | 35.6 - 45.0 | Statistically significantly higher | Stable |
| 2007 | 286 | 42.1 | 40.1 | 35.4 - 44.7 | Statistically significantly higher | Stable |
| 2008 | 353 | 51.7 | 49.0 | 43.9 - 54.1 | Statistically significantly higher | Stable |
| 2009 | 352 | 51.3 | 48.7 | 43.7 - 53.8 | Statistically significantly higher | Stable |
| 2010 | 304 | 44.1 | 41.3 | 36.6 - 45.9 | Statistically significantly higher | Stable |
| 2011 | 299 | 42.7 | 39.8 | 35.3 - 44.3 | Statistically significantly higher | Stable |
| 2012 | 259 | 36.5 | 34.8 | 30.6 - 39.1 | Statistically significantly higher | Stable |
| 2013 | 220 | 30.6 | 28.4 | 24.7 - 32.2 | Not statistically significantly different | Stable |
| 2014 | 224 | 30.8 | 28.4 | 24.7 - 32.1 | Not statistically significantly different | Stable |
| 2015 | 236 | 32.2 | 29.2 | 25.5 - 32.0 | Not statistically significantly different |  |
| Quincy - Annual Average | 292 | 42.5 | 40.2 | 39.0 - 41.3 | Statistically significantly higher | Stable |
|  |  |  |  |  |  |  |
| **Weymouth** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 189 | 49.0 | 46.1 | 39.6 - 52.7 | Statistically significantly higher | Stable |
| 2001 | 176 | 45.6 | 42.3 | 36.1 - 48.6 | Statistically significantly higher | Stable |
| 2002 | 164 | 42.5 | 39.5 | 33.4 - 45.5 | Statistically significantly higher | Stable |
| 2003 | 194 | 50.2 | 46.5 | 40.0 - 53.1 | Statistically significantly higher | Stable |
| 2004 | 166 | 43.0 | 39.2 | 33.2 - 45.1 | Statistically significantly higher | Stable |
| 2005 | 175 | 45.3 | 41.4 | 35.3 - 47.6 | Statistically significantly higher | Stable |
| 2006 | 149 | 38.6 | 34.8 | 29.2 - 40.3 | Statistically significantly higher | Stable |
| 2007 | 157 | 40.6 | 37.1 | 31.3 - 42.9 | Statistically significantly higher | Stable |
| 2008 | 228 | 58.9 | 53.0 | 46.1 - 59.8 | Statistically significantly higher | Stable |
| 2009 | 208 | 53.8 | 47.7 | 41.3 - 54.2 | Statistically significantly higher | Stable |
| 2010 | 216 | 55.8 | 49.1 | 42.5 - 55.6 | Statistically significantly higher | Stable |
| 2011 | 205 | 52.4 | 45.3 | 39.1 - 51.5 | Statistically significantly higher | Stable |
| 2012 | 215 | 54.5 | 47.7 | 41.3 - 54.1 | Statistically significantly higher | Stable |
| 2013 | 226 | 56.8 | 48.2 | 41.9 - 54.5 | Statistically significantly higher | Stable |
| 2014 | 273 | 68.2 | 56.0 | 49.3 - 62.6 | Statistically significantly higher | Stable |
| 2015 | 244 | 60.9 | 50.4 | 44.0 - 56.7 | Statistically significantly higher |  |
| Weymouth - Annual Average | 199 | 51.1 | 45.3 | 43.7 - 46.8 | Statistically significantly higher | Stable |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2000 | 14,325 | 33.6 | 33.2 | 32.7 - 33.7 |  |  |
| 2001 | 13,320 | 31.1 | 30.4 | 29.9 - 30.9 |  |  |
| 2002 | 13,140 | 30.5 | 29.5 | 29.0 - 30.0 |  |  |
| 2003 | 12,983 | 30.0 | 28.8 | 28.3 - 29.3 |  |  |
| 2004 | 12,259 | 28.2 | 26.8 | 26.3 - 27.3 |  |  |
| 2005 | 12,749 | 29.2 | 27.7 | 27.2 - 28.2 |  |  |
| 2006 | 12,615 | 28.8 | 27.0 | 26.5 - 27.5 |  |  |
| 2007 | 12,588 | 28.6 | 26.9 | 26.4 - 27.4 |  |  |
| 2008 | 15,338 | 34.7 | 32.3 | 31.8 - 32.8 |  |  |
| 2009 | 15,821 | 35.7 | 32.9 | 32.4 - 33.4 |  |  |
| 2010 | 15,846 | 35.6 | 32.8 | 32.3 - 33.3 |  |  |
| 2011 | 16,757 | 37.1 | 33.7 | 33.2 - 34.2 |  |  |
| 2012 | 15,218 | 33.3 | 29.8 | 29.3 - 30.3 |  |  |
| 2013 | 14,074 | 30.4 | 26.9 | 26.5 - 27.3 |  |  |
| 2014 | 13,271 | 28.4 | 25.0 | 24.6 - 25.4 |  |  |
| 2015 | 14,319 | 30.3 | 26.3 | 25.9 - 26.7 |  |  |
| **Statewide - Annual Average** | **14,039** | **31.6** | **29.4** | **29.3 - 29.5** |  |  |
|  | | | | | |  |
| · COPD rates are only calculated among people 25 years of age and older. | | | | | | |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Inter-censal year estimates for 2001 through 2009 were created by linear interpolation of U.S. Decennial Census data. Post-censal year estimates for 2011 to present were created by the UMass Donahue Institute. | | | | | | |

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| **Zip Code 02191** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2010 | 29 | 45.9 | 24.5 | 15.6 - 33.4 | Not statistically significantly different | Stable |
| 2011 | 26 | 40.8 | 21.6 | 13.3 - 29.9 | Statistically significantly lower | Stable |
| 2012 | 24 | 37.3 | 21.6 | 13.0 - 30.2 | Not statistically significantly different | Stable |
| 2013 | 43 | 68.7 | 36.7 | 25.7 - 47.7 | Not statistically significantly different | Stable |
| 2014 | 45 | 73.3 | 38.2 | 27.0 - 49.4 | Statistically significantly higher | Stable |
| 2015 | 35 | 56.6 | 29.5 | 19.7 - 39.3 | Not statistically significantly different |  |
| Zip Code - 02191 Annual Average | 34 | 53.8 | 28.7 | 19.1 - 38.3 | Not statistically significantly different | Stable |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2010 | 15,846 | 35.6 | 32.8 | 32.3 - 33.3 |  |  |
| 2011 | 16,757 | 37.1 | 33.7 | 33.2 - 34.2 |  |  |
| 2012 | 15,218 | 33.3 | 29.8 | 29.3 - 30.3 |  |  |
| 2013 | 14,074 | 30.4 | 26.9 | 26.5 - 27.3 |  |  |
| 2014 | 13,271 | 28.4 | 25.0 | 24.6 - 25.4 |  |  |
| 2015 | 14,319 | 30.3 | 26.3 | 25.9 - 26.7 |  |  |
| **Statewide - Annual Average** | **14,914** | **32.5** | **29.1** | **28.6 - 29.6** |  |  |
|  | | | | | |  |
| · COPD rates are only calculated among people 25 years of age and older. | | | | | | |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Post-censal year estimates for 2011 to 2015 were created by the UMass Donahue Institute and used for statewide rates. Post-censal year estimates for 2011 to 2015 from the American Community Survey by the U.S. Census Bureau were used for zip code rates. | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- |
| **Braintree** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 112 | 56.9 | 48.2 | 39.3 - 57.1 | Not statistically significantly different | Stable |
| 2001 | 145 | 73.1 | 61.3 | 51.3 - 71.3 | Not statistically significantly different | Stable |
| 2002 | 107 | 53.6 | 46.4 | 37.6 - 55.2 | Not statistically significantly different | Stable |
| 2003 | 132 | 65.6 | 54.7 | 45.3 - 64.0 | Not statistically significantly different | Stable |
| 2004 | 114 | 56.3 | 47.2 | 38.5 - 55.9 | Not statistically significantly different | Stable |
| 2005 | 103 | 50.5 | 42.0 | 33.9 - 50.0 | Not statistically significantly different | Stable |
| 2006 | 133 | 64.8 | 55.3 | 45.9 - 64.7 | Statistically significantly higher | Stable |
| 2007 | 102 | 49.4 | 41.1 | 33.1 - 49.1 | Not statistically significantly different | Stable |
| 2008 | 120 | 57.7 | 47.6 | 39.1 - 56.2 | Statistically significantly higher | Stable |
| 2009 | 93 | 44.4 | 36.1 | 28.8 - 43.5 | Not statistically significantly different | Stable |
| 2010 | 88 | 41.8 | 34.9 | 27.6 - 42.1 | Not statistically significantly different | Stable |
| 2011 | 88 | 41.2 | 35.8 | 28.3 - 43.2 | Not statistically significantly different | Stable |
| 2012 | 86 | 39.8 | 32.8 | 25.9 - 39.8 | Not statistically significantly different | Stable |
| 2013 | 76 | 34.8 | 28.5 | 22.1 - 34.9 | Not statistically significantly different | Stable |
| 2014 | 53 | 24.0 | 20.5 | 15.0 - 26.1 | Not statistically significantly different | Stable |
| 2015 | 60 | 26.9 | 23.9 | 17.9 - 30.0 | Not statistically significantly different |  |
| Braintree - Annual Average | 101 | 48.3 | 41.0 | 39.0 - 43.0 | Statistically significantly higher | Stable |
|  |  |  |  |  |  |  |
| **Hingham** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 62 | 52.9 | 52.2 | 39.2 - 65.2 | Not statistically significantly different | Stable |
| 2001 | 43 | 36.0 | 34.3 | 24.0 - 44.5 | Statistically significantly lower | Stable |
| 2002 | 46 | 37.8 | 33.9 | 24.1 - 43.7 | Statistically significantly lower | Stable |
| 2003 | 61 | 49.3 | 44.8 | 33.6 - 56.1 | Not statistically significantly different | Stable |
| 2004 | 48 | 38.1 | 34.6 | 24.8 - 44.4 | Statistically significantly lower | Stable |
| 2005 | 49 | 38.3 | 32.1 | 23.1 - 41.1 | Not statistically significantly different | Stable |
| 2006 | 49 | 37.6 | 30.1 | 21.6 - 38.5 | Statistically significantly lower | Stable |
| 2007 | 51 | 38.5 | 30.7 | 22.2 - 39.1 | Not statistically significantly different | Stable |
| 2008 | 46 | 34.2 | 28.2 | 20.1 - 36.4 | Not statistically significantly different | Stable |
| 2009 | 52 | 38.0 | 28.6 | 20.9 - 36.4 | Not statistically significantly different | Stable |
| 2010 | 41 | 29.5 | 22.5 | 15.6 - 29.4 | Statistically significantly lower | Stable |
| 2011 | 43 | 30.6 | 23.7 | 16.6 - 30.8 | Not statistically significantly different | Stable |
| 2012 | 36 | 25.4 | 15.4 | 10.4 - 20.4 | Statistically significantly lower | Stable |
| 2013 | 42 | 29.4 | 19.3 | 13.5 - 25.2 | Statistically significantly lower | Stable |
| 2014 | 46 | 31.9 | 19.6 | 14.0 - 25.3 | Not statistically significantly different | Stable |
| 2015 | 26 | 17.8 | 12.0 | 7.4 - 16.6 | Statistically significantly lower |  |
| Hingham -Annual Average | 46 | 34.9 | 28.9 | 26.8 - 31.0 | Statistically significantly lower | Stable |
|  |  |  |  |  |  |  |
| **Quincy** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 302 | 62.7 | 54.1 | 48.0 - 60.2 | Not statistically significantly different | Stable |
| 2001 | 307 | 63.3 | 54.4 | 48.3 - 60.5 | Not statistically significantly different | Stable |
| 2002 | 290 | 59.3 | 51.4 | 45.5 - 57.3 | Not statistically significantly different | Stable |
| 2003 | 306 | 62.1 | 54.3 | 48.2 - 60.4 | Not statistically significantly different | Stable |
| 2004 | 280 | 56.4 | 48.9 | 43.1 - 54.6 | Not statistically significantly different | Stable |
| 2005 | 261 | 52.2 | 44.8 | 39.3 - 50.2 | Not statistically significantly different | Stable |
| 2006 | 283 | 56.2 | 49.9 | 44.0 - 55.7 | Statistically significantly higher | Stable |
| 2007 | 256 | 50.5 | 43.7 | 38.4 - 49.1 | Statistically significantly higher | Stable |
| 2008 | 281 | 55.0 | 47.2 | 41.7 - 52.8 | Statistically significantly higher | Stable |
| 2009 | 236 | 45.9 | 40.8 | 35.6 - 46.0 | Statistically significantly higher | Stable |
| 2010 | 235 | 45.3 | 40.5 | 35.3 - 45.7 | Statistically significantly higher | Stable |
| 2011 | 197 | 37.5 | 33.3 | 28.7 - 38.0 | Not statistically significantly different | Stable |
| 2012 | 190 | 35.6 | 30.4 | 26.1 - 34.7 | Not statistically significantly different | Stable |
| 2013 | 167 | 30.9 | 27.9 | 23.7 - 32.1 | Not statistically significantly different | Stable |
| 2014 | 148 | 27.1 | 23.5 | 19.7 - 27.3 | Not statistically significantly different | Stable |
| 2015 | 144 | 26.0 | 22.7 | 19.0 - 26.4 | Not statistically significantly different |  |
| Quincy -Annual Average | 243 | 47.4 | 41.7 | 40.4 - 43.0 | Statistically significantly higher | Stable |
|  |  |  |  |  |  |  |
| **Weymouth** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 160 | 52.8 | 50.1 | 42.3 - 57.8 | Not statistically significantly different | Stable |
| 2001 | 175 | 57.4 | 54.9 | 46.8 - 63.0 | Not statistically significantly different | Stable |
| 2002 | 183 | 59.8 | 56.1 | 48.0 - 64.2 | Not statistically significantly different | Stable |
| 2003 | 226 | 73.5 | 69.6 | 60.5 - 78.7 | Statistically significantly higher | Stable |
| 2004 | 185 | 59.9 | 56.0 | 48.0 - 64.1 | Statistically significantly higher | Stable |
| 2005 | 170 | 54.7 | 50.5 | 42.9 - 58.1 | Statistically significantly higher | Stable |
| 2006 | 163 | 52.3 | 49.1 | 41.6 - 56.6 | Statistically significantly higher | Stable |
| 2007 | 150 | 47.9 | 44.7 | 37.6 - 51.9 | Not statistically significantly different | Stable |
| 2008 | 159 | 50.5 | 45.7 | 38.6 - 52.9 | Statistically significantly higher | Stable |
| 2009 | 138 | 43.6 | 40.5 | 33.8 - 47.3 | Not statistically significantly different | Stable |
| 2010 | 111 | 34.9 | 32.0 | 26.0 - 37.9 | Not statistically significantly different | Stable |
| 2011 | 121 | 37.8 | 34.4 | 28.3 - 40.5 | Not statistically significantly different | Stable |
| 2012 | 133 | 41.2 | 37.4 | 31.0 - 43.7 | Statistically significantly higher | Stable |
| 2013 | 117 | 36.0 | 32.2 | 26.3 - 38.0 | Not statistically significantly different | Stable |
| 2014 | 97 | 29.6 | 26.0 | 20.8 - 31.2 | Not statistically significantly different | Stable |
| 2015 | 118 | 35.9 | 31.0 | 25.4 - 36.6 | Not statistically significantly different |  |
| Weymouth -Annual Average | 150 | 47.7 | 44.4 | 42.6 - 46.2 | Statistically significantly higher | Stable |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2000 | 17,513 | 52.4 | 50.8 | 50.0 - 51.6 |  |  |
| 2001 | 17,817 | 52.9 | 50.9 | 50.2 - 51.6 |  |  |
| 2002 | 18,022 | 53.1 | 50.7 | 50.0 - 51.4 |  |  |
| 2003 | 18,269 | 53.4 | 50.8 | 50.1 - 51.5 |  |  |
| 2004 | 16,392 | 47.5 | 45.2 | 44.5 - 45.9 |  |  |
| 2005 | 15,346 | 44.2 | 41.5 | 40.8 - 42.2 |  |  |
| 2006 | 14,688 | 42 | 39.7 | 39.1 - 40.3 |  |  |
| 2007 | 14,116 | 40 | 37.4 | 36.8 - 38.0 |  |  |
| 2008 | 13,647 | 38.4 | 35.9 | 35.3 - 36.5 |  |  |
| 2009 | 13,128 | 36.7 | 34 | 33.4 - 34.6 |  |  |
| 2010 | 12,900 | 35.8 | 32.9 | 32.3 - 33.5 |  |  |
| 2011 | 12,214 | 33.6 | 30.7 | 30.2 - 31.2 |  |  |
| 2012 | 12,181 | 33.2 | 30.2 | 29.7 - 30.7 |  |  |
| 2013 | 11,090 | 29.9 | 26.8 | 26.3 - 27.3 |  |  |
| 2014 | 10,442 | 27.9 | 24.7 | 24.2 - 25.2 |  |  |
| 2015 | 11,511 | 30.5 | 26.8 | 26.3 - 27.3 |  |  |
| **Statewide -Annual Average** | **14,330** | **40.4** | **38.0** | **37.9 - 38.2** |  |  |
|  | | | | | |  |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Inter-censal year estimates for 2001 through 2009 were created by linear interpolation of U.S. Decennial Census data. Post-censal year estimates for 2011 to present were created by the UMass Donahue Institute. | | | | | | |

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| **Zip Code 02191** | | | | | | |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2010 | NS | NS | NS | NS | NS | Stable |
| 2011 | 19 | 33.6 | 16.6 | 9.2 - 24.3 | Statistically significantly lower | Stable |
| 2012 | 14 | 24.7 | 10.4 | 5.3 - 17.2 | Statistically significantly lower | Stable |
| 2013 | 24 | 43.7 | 18.9 | 12 - 28.1 | Not statistically significantly different | Stable |
| 2014 | 16 | 30.1 | 12.3 | 12 - 28.1 | Not statistically significantly different | Stable |
| 2015 | 20 | 38.9 | 18.0 | 9.4 - 24.2 | Statistically significantly lower |  |
| Zip Code - 02191 Annual Average | NS | NS | NS | NS | NS | Stable |
|  |  |  |  |  |  |  |
| **State Wide** | | | | |  |  |
| **Year** | **Case Count** | **Crude Rate** | **Age Adjusted Rate** | **Confidence Intervals** |  |  |
| 2010 | 12,900 | 35.8 | 32.9 | 32.3 - 33.5 |  |  |
| 2011 | 12,214 | 33.6 | 30.7 | 30.2 - 31.2 |  |  |
| 2012 | 12,181 | 33.2 | 30.2 | 29.7 - 30.7 |  |  |
| 2013 | 11,090 | 29.9 | 26.8 | 26.3 - 27.3 |  |  |
| 2014 | 10,442 | 27.9 | 24.7 | 24.2 - 25.2 |  |  |
| 2015 | 11,511 | 30.5 | 26.8 | 26.3 - 27.3 |  |  |
| **Statewide -Annual Average** | **11,723** | **31.8** | **28.7** | **28.2 - 29.2** |  |  |
|  | | | | | |  |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10. | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Difference in counts and rates in years prior to 2015 compared to 2015 could be a result of the change from ICD-9CM to ICD-10CM (coding of medical terminology and disease classification) that took place on October 1, 2015. | | | | | | |
| · Data source: Center for Health Information and Analysis (CHIA) | | | | | | |
| · Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Post-censal year estimates for 2011 to 2015 were created by the UMass Donahue Institute and used for statewide rates. Post-censal year estimates for 2011 to 2015 from the American Community Survey by the U.S. Census Bureau were used for zip code rates. | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- |
| **Braintree** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 7 | 365 | 1.9 | 0.5 - 3.3 | Not statistically significantly different | Unstable |
| 2001 | 8 | 360 | 2.2 | 0.7 - 3.7 | Not statistically significantly different | Unstable |
| 2002 | 8 | 380 | 2.1 | 0.7 - 3.6 | Not statistically significantly different | Unstable |
| 2003 | 6 | 370 | 1.6 | 0.3 - 2.9 | Not statistically significantly different | Unstable |
| 2004 | NS | 337 | NS | NS | NS | Unstable |
| 2005 | NS | 334 | NS | NS | NS | Unstable |
| 2006 | 9 | 369 | 2.4 | 0.9 - 4.0 | Not statistically significantly different | Unstable |
| 2007 | 9 | 372 | 2.4 | 0.9 - 4.0 | Not statistically significantly different | Unstable |
| 2008 | 8 | 345 | 2.3 | 0.7 - 3.9 | Not statistically significantly different | Unstable |
| 2009 | 5 | 373 | 1.3 | 0.2 - 2.5 | Not statistically significantly different | Unstable |
| 2010 | NS | 326 | NS | NS | NS | Unstable |
| 2011 | 5 | 356 | 1.4 | 0.2 - 2.6 | Not statistically significantly different | Unstable |
| 2012 | 10 | 357 | 2.8 | 1.1 - 4.5 | Not statistically significantly different | Unstable |
| 2013 | 7 | 362 | 1.9 | 0.5 - 3.4 | Not statistically significantly different | Unstable |
| 2014 | 6 | 339 | 1.8 | 0.4 - 3.2 | Not statistically significantly different | Unstable |
| 2015 | 9 | 373 | 2.4 | 0.9 - 4.0 | Not statistically significantly different | Unstable |
| Braintree- Annual Average | 6.5 | 357.4 | 1.8 | 1.5 - 2.2 | Not statistically significantly different |  |
|  |  |  |  |  |  |  |
| **Hingham** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | NS | 259 | NS | NS | NS | Unstable |
| 2001 | 0 | 221 | 0.0 | 0 - 2.9 | Not statistically significantly different | Unstable |
| 2002 | 6 | 247 | 2.4 | 0.5 - 4.4 | Not statistically significantly different | Unstable |
| 2003 | NS | 238 | NS | NS | NS | Unstable |
| 2004 | NS | 226 | NS | NS | NS | Unstable |
| 2005 | NS | 226 | NS | NS | NS | Unstable |
| 2006 | NS | 213 | NS | NS | NS | Unstable |
| 2007 | NS | 198 | NS | NS | NS | Unstable |
| 2008 | 0 | 207 | 0.0 | 0 - 3.0 | Not statistically significantly different | Unstable |
| 2009 | 0 | 208 | 0.0 | 0 - 3.0 | Not statistically significantly different | Unstable |
| 2010 | 0 | 177 | 0.0 | 0 - 3.6 | Not statistically significantly different | Unstable |
| 2011 | NS | 212 | NS | NS | NS | Unstable |
| 2012 | NS | 184 | NS | NS | NS | Unstable |
| 2013 | 0 | 214 | 0.0 | 0 - 3.0 | Not statistically significantly different | Unstable |
| 2014 | NS | 175 | NS | NS | NS | Unstable |
| 2015 | NS | 206 | NS | NS | NS | Unstable |
| Hingham- Annual Average | 1.9 | 213.2 | 0.9 | 0.6 - 1.2 | Statistically significantly lower | Unstable |
|  |  |  |  |  |  |  |
| **Quincy** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 21 | 1,016 | 2.1 | 1.2 - 2.9 | Not statistically significantly different |  |
| 2001 | 17 | 1,027 | 1.7 | 0.9 - 2.4 | Not statistically significantly different |  |
| 2002 | 19 | 1,053 | 1.8 | 1.0 - 2.6 | Not statistically significantly different |  |
| 2003 | 24 | 1,077 | 2.2 | 1.4 - 3.1 | Not statistically significantly different |  |
| 2004 | 18 | 1,044 | 1.7 | 0.9 - 2.5 | Not statistically significantly different |  |
| 2005 | 22 | 1,016 | 2.2 | 1.3 - 3.1 | Not statistically significantly different |  |
| 2006 | 19 | 1,033 | 1.8 | 1.0 - 2.7 | Not statistically significantly different |  |
| 2007 | 18 | 1,078 | 1.7 | 0.9 - 2.4 | Not statistically significantly different |  |
| 2008 | 35 | 1,179 | 3.0 | 2.0 - 3.9 | Not statistically significantly different |  |
| 2009 | 20 | 1,135 | 1.8 | 1.0 - 2.5 | Not statistically significantly different |  |
| 2010 | 20 | 1,098 | 1.8 | 1.0 - 2.6 | Not statistically significantly different |  |
| 2011 | 25 | 1,128 | 2.2 | 1.4 - 3.0 | Not statistically significantly different |  |
| 2012 | 21 | 1,119 | 1.9 | 1.0 - 2.7 | Not statistically significantly different |  |
| 2013 | 20 | 1,128 | 1.8 | 1.0 - 2.5 | Not statistically significantly different |  |
| 2014 | 28 | 1,075 | 2.6 | 1.7 - 3.6 | Not statistically significantly different |  |
| 2015 | 30 | 1,100 | 2.7 | 1.8 - 3.7 | Not statistically significantly different |  |
| Qunicy- Annual Average | 22.3 | 1,082 | 2.1 | 1.9 - 2.3 | Not statistically significantly different |  |
|  |  |  |  |  |  |  |
| **Weymouth** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 16 | 667 | 2.4 | 1.2 - 3.6 | Not statistically significantly different |  |
| 2001 | 9 | 619 | 1.5 | 0.5 - 2.4 | Not statistically significantly different | Unstable |
| 2002 | 19 | 620 | 3.1 | 1.7 - 4.4 | Not statistically significantly different |  |
| 2003 | 14 | 652 | 2.1 | 1.0 - 3.3 | Not statistically significantly different |  |
| 2004 | 7 | 625 | 1.1 | 0.3 - 2.0 | Not statistically significantly different | Unstable |
| 2005 | 7 | 618 | 1.1 | 0.3 - 2.0 | Not statistically significantly different | Unstable |
| 2006 | 12 | 570 | 2.1 | 0.9 - 3.3 | Not statistically significantly different |  |
| 2007 | 9 | 643 | 1.4 | 0.5 - 2.3 | Not statistically significantly different | Unstable |
| 2008 | 8 | 586 | 1.4 | 0.4 - 2.3 | Not statistically significantly different | Unstable |
| 2009 | 7 | 563 | 1.2 | 0.3 - 2.2 | Not statistically significantly different | Unstable |
| 2010 | 11 | 571 | 1.9 | 0.8 - 3.0 | Not statistically significantly different | Unstable |
| 2011 | 14 | 596 | 2.3 | 1.1 - 3.6 | Not statistically significantly different |  |
| 2012 | 14 | 561 | 2.5 | 1.2 - 3.8 | Not statistically significantly different |  |
| 2013 | 9 | 554 | 1.6 | 0.6 - 2.7 | Not statistically significantly different | Unstable |
| 2014 | 13 | 591 | 2.2 | 1.0 - 3.4 | Not statistically significantly different |  |
| 2015 | 12 | 580 | 2.1 | 0.9 - 3.2 | Not statistically significantly different |  |
| Weymouth- Annual Average | 11.3 | 601 | 1.9 | 1.6 - 2.2 | Not statistically significantly different | Unstable |
|  |  |  |  |  |  |  |
| **Statewide** | | | | |  |  |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** |  |  |
| 2000 | 1,399 | 71,377 | 2.0 | 1.9 - 2.1 |  |  |
| 2001 | 1,502 | 72,311 | 2.1 | 2.0 - 2.2 |  |  |
| 2002 | 1,491 | 71,662 | 2.1 | 2.0 - 2.2 |  |  |
| 2003 | 1,403 | 70,930 | 2.0 | 1.9 - 2.1 |  |  |
| 2004 | 1,383 | 69,382 | 2.0 | 1.9 - 2.1 |  |  |
| 2005 | 1,430 | 67,988 | 2.1 | 2.0 - 2.2 |  |  |
| 2006 | 1,556 | 68,987 | 2.3 | 2.1 - 2.4 |  |  |
| 2007 | 1,561 | 69,362 | 2.3 | 2.1 - 2.4 |  |  |
| 2008 | 1,466 | 68,224 | 2.1 | 2.0 - 2.3 |  |  |
| 2009 | 1,398 | 66,443 | 2.1 | 2.0 - 2.2 |  |  |
| 2010 | 1,459 | 65,024 | 2.2 | 2.1 - 2.4 |  |  |
| 2011 | 1,407 | 63,370 | 2.2 | 2.1 - 2.3 |  |  |
| 2012 | 1,407 | 63,604 | 2.2 | 2.1 - 2.3 |  |  |
| 2013 | 1,344 | 63,691 | 2.1 | 2.0 - 2.2 |  |  |
| 2014 | 1,364 | 64,128 | 2.1 | 2.0 - 2.2 |  |  |
| 2015 | 1,392 | 64,090 | 2.2 | 2.0 - 2.3 |  |  |
| **Statewide - Annual Average** | **1,435** | **67,536** | **2.1** | **2.0 - 2.2** |  |  |
|  |  |  |  |  |  |  |
| · Low birthweight means a singleton, term birth <2500 grams. | | | | | | |
| · Full term means a clinical estimate of gestational age >=37 weeks. | | | | | | |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is between 1 and 4 and the numerator is <1200 | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Data source: Massachusetts Registry of Vital Records and Statistics | | | | | | |

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| **CT 4178.02 (includes Environmental Justice Areas)** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | NS | 33 | NS | NS | NS | Unstable |
| 2001 | NS | 40 | NS | NS | NS | Unstable |
| 2002 | 0 | 28 | 0.0 | 0 - 22.2 | Not statistically significantly different | Unstable |
| 2003 | NS | 35 | NS | NS | NS | Unstable |
| 2004 | 0 | 37 | 0.0 | 0 - 16.9 | Not statistically significantly different | Unstable |
| 2005 | 0 | 29 | 0.0 | 0 - 21.4 | Not statistically significantly different | Unstable |
| 2006 | 0 | 24 | 0.0 | 0 - 25.7 | Not statistically significantly different | Unstable |
| 2007 | NS | 30 | NS | NS | NS | Unstable |
| 2008 | NS | 44 | NS | NS | NS | Unstable |
| 2009 | NS | 41 | NS | NS | NS | Unstable |
| 2010 | 0 | 22 | 0.0 | 0 - 28.0 | Not statistically significantly different | Unstable |
| 2011 | NS | 39 | NS | NS | NS | Unstable |
| 2012 | 0 | 25 | 0.0 | 0- 24.7 | Not statistically significantly different | Unstable |
| 2013 | 0 | 34 | 0.0 | 0 - 18.4 | Not statistically significantly different | Unstable |
| 2014 | 0 | 23 | 0.0 | 0 - 26.8 | Not statistically significantly different | Unstable |
| 2015 | NS | 39 | NS | NS | NS | Unstable |
| CT 4178.02- Annual Average | 0.8 | 32.7 | 2.5 | 0 - 7.8 | Not statistically significantly different | Unstable |
|  |  |  |  |  |  |  |
| **CT 4179.01 (includes Environmental Justice Areas)** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | NS | 69 | NS | NS | NS | Unstable |
| 2001 | NS | 77 | NS | NS | NS | Unstable |
| 2002 | NS | 85 | NS | NS | NS | Unstable |
| 2003 | 5 | 76 | 6.6 | 1 - 12.2 | Not statistically significantly different | Unstable |
| 2004 | NS | 79 | NS | NS | NS | Unstable |
| 2005 | NS | 73 | NS | NS | NS | Unstable |
| 2006 | 0 | 68 | 0.0 | 0 - 9.3 | Not statistically significantly different | Unstable |
| 2007 | NS | 79 | NS | NS | NS | Unstable |
| 2008 | NS | 81 | NS | NS | NS | Unstable |
| 2009 | NS | 77 | NS | NS | NS | Unstable |
| 2010 | NS | 75 | NS | NS | NS | Unstable |
| 2011 | NS | 73 | NS | NS | NS | Unstable |
| 2012 | NS | 64 | NS | NS | NS | Unstable |
| 2013 | 6 | 81 | 7.4 | 1.7 - 13.1 | Not statistically significantly different | Unstable |
| 2014 | NS | 64 | NS | NS | NS | Unstable |
| 2015 | NS | 74 | NS | NS | NS | Unstable |
| CT 4179.01- Annual Average | 2.0 | 74.7 | 2.7 | 0 - 6.3 | Not statistically significantly different | Unstable |
|  |  |  |  |  |  |  |
| **CT 4194** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 0 | 38 | 0.0 | 0 - 16.5 | Not statistically significantly different | Unstable |
| 2001 | NS | 44 | NS | NS | NS | Unstable |
| 2002 | 0 | 41 | 0.0 | 0 - 15.3 | Not statistically significantly different | Unstable |
| 2003 | NS | 38 | NS | NS | NS | Unstable |
| 2004 | NS | 36 | NS | NS | NS | Unstable |
| 2005 | 0 | 40 | 0.0 | 0 - 15.7 | Not statistically significantly different | Unstable |
| 2006 | 0 | 32 | 0.0 | 0 - 19.5 | Not statistically significantly different | Unstable |
| 2007 | NS | 50 | NS | NS | NS | Unstable |
| 2008 | 0 | 30 | 0.0 | 0 - 20.7 | Not statistically significantly different | Unstable |
| 2009 | NS | 36 | NS | NS | NS | Unstable |
| 2010 | NS | 24 | NS | NS | NS | Unstable |
| 2011 | 0 | 30 | 0.0 | 0 - 20.7 | Not statistically significantly different | Unstable |
| 2012 | NS | 27 | NS | NS | NS | Unstable |
| 2013 | 0 | 28 | 0.0 | 0 - 22.2 | Not statistically significantly different | Unstable |
| 2014 | 0 | 25 | 0.0 | 0 - 24.7 | Not statistically significantly different | Unstable |
| 2015 | NS | 35 | NS | NS | NS | Unstable |
| CT 4194- Annual Average | 0.6 | 34.6 | 1.8 | 0 - 6.2 | Not statistically significantly different | Unstable |
|  |  |  |  |  |  |  |
| **CT 4227** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 0 | 42 | 0.0 | 0 - 15.0 | Not statistically significantly different | Unstable |
| 2001 | NS | 32 | NS | NS | NS | Unstable |
| 2002 | NS | 49 | NS | NS | NS | Unstable |
| 2003 | 0 | 47 | 0.0 | 0 - 13.4 | Not statistically significantly different | Unstable |
| 2004 | NS | 51 | NS | NS | NS | Unstable |
| 2005 | 0 | 49 | 0.0 | 0 - 12.8 | Not statistically significantly different | Unstable |
| 2006 | NS | 36 | NS | NS | NS | Unstable |
| 2007 | NS | 47 | NS | NS | NS | Unstable |
| 2008 | NS | 40 | NS | NS | NS | Unstable |
| 2009 | 0 | 40 | 0.0 | 0 - 15.7 | Not statistically significantly different | Unstable |
| 2010 | 0 | 32 | 0.0 | 0 - 19.5 | Not statistically significantly different | Unstable |
| 2011 | NS | 48 | NS | NS | NS | Unstable |
| 2012 | 0 | 40 | 0.0 | 0- 15.7 | Not statistically significantly different | Unstable |
| 2013 | 0 | 35 | 0.0 | 0- 17.9 | Not statistically significantly different | Unstable |
| 2014 | NS | 43 | NS | NS | NS | Unstable |
| 2015 | 5 | 39 | 12.8 | 2.3 - 23.3 | Not statistically significantly different | Unstable |
| CT 4227- Annual Average | 0.9 | 41.9 | 2.2 | 0 - 6.7 | Not statistically significantly different | Unstable |
|  |  |  |  |  |  |  |
| **CT 4228** | | | | | | |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** | **Statistical Difference** | **Stability** |
| 2000 | 0 | 48 | 0.0 | 0 - 13.1 | Not statistically significantly different | Unstable |
| 2001 | 0 | 44 | 0.0 | 0 - 14.3 | Not statistically significantly different | Unstable |
| 2002 | NS | 39 | NS | NS | NS | Unstable |
| 2003 | NS | 42 | NS | NS | NS | Unstable |
| 2004 | 0 | 38 | 0.0 | 0 - 16.5 | Not statistically significantly different | Unstable |
| 2005 | 0 | 35 | 0.0 | 0 - 17.9 | Not statistically significantly different | Unstable |
| 2006 | 0 | 33 | 0.0 | 0 - 18.9 | Not statistically significantly different | Unstable |
| 2007 | NS | 26 | NS | NS | NS | Unstable |
| 2008 | NS | 39 | NS | NS | NS | Unstable |
| 2009 | 0 | 35 | 0.0 | 0 - 17.9 | Not statistically significantly different | Unstable |
| 2010 | NS | 27 | NS | NS | NS | Unstable |
| 2011 | NS | 38 | NS | NS | NS | Unstable |
| 2012 | NS | 33 | NS | NS | NS | Unstable |
| 2013 | NS | 29 | NS | NS | NS | Unstable |
| 2014 | 0 | 27 | 0.0 | 0 - 23.0 | Not statistically significantly different | Unstable |
| 2015 | 0 | 30 | 0.0 | 0 - 20.7 | Not statistically significantly different | Unstable |
| CT 4228- Annual Average | 0.8 | 35.2 | 2.1 | 0 - 6.9 | Not statistically significantly different | Unstable |
|  |  |  |  |  |  |  |
| **Statewide** | | | | |  |  |
| **Year** | **Case Count** | **Total Live Singleton Term Births** | **Percent** | **Confidence Intervals** |  |  |
| 2000 | 1399 | 71377 | 2.0 | 1.9 - 2.1 |  |  |
| 2001 | 1502 | 72311 | 2.1 | 2.0 - 2.2 |  |  |
| 2002 | 1491 | 71662 | 2.1 | 2.0 - 2.2 |  |  |
| 2003 | 1403 | 70930 | 2.0 | 1.9 - 2.1 |  |  |
| 2004 | 1383 | 69382 | 2.0 | 1.9 - 2.1 |  |  |
| 2005 | 1430 | 67988 | 2.1 | 2.0 - 2.2 |  |  |
| 2006 | 1556 | 68987 | 2.3 | 2.1 - 2.4 |  |  |
| 2007 | 1561 | 69362 | 2.3 | 2.1 - 2.4 |  |  |
| 2008 | 1466 | 68224 | 2.1 | 2.0 - 2.3 |  |  |
| 2009 | 1398 | 66443 | 2.1 | 2.0 - 2.2 |  |  |
| 2010 | 1,459 | 65,024 | 2.2 | 2.1 - 2.4 |  |  |
| 2011 | 1,407 | 63,370 | 2.2 | 2.1 - 2.3 |  |  |
| 2012 | 1,407 | 63,604 | 2.2 | 2.1 - 2.3 |  |  |
| 2013 | 1,344 | 63,691 | 2.1 | 2.0 - 2.2 |  |  |
| 2014 | 1,364 | 64,128 | 2.1 | 2.0 - 2.2 |  |  |
| 2015 | 1,392 | 64,090 | 2.2 | 2.0 - 2.3 |  |  |
| Statewide - Annual Average | 1,435 | 67,536 | 2.1 | 2.0 - 2.2 |  |  |
|  |  |  |  |  |  |  |
| · Low birthweight means a singleton, term birth <2500 grams. | | | | | | |
| · Full term means a clinical estimate of gestational age >=37 weeks. | | | | | | |
| · U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution. | | | | | | |
| · NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is between 1 and 4 and the numerator is <1200 | | | | | | |
| · 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the “rule of three.” This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero. | | | | | | |
| · Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates. | | | | | | |
| · Data source: Massachusetts Registry of Vital Records and Statistics | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Braintree** | | **Hingham** | | **Quincy** | | **Weymouth** | |
|  | **Males** | **Females** | **Males** | **Females** | **Males** | **Females** | **Males** | **Females** |
| **Bladder, Urinary** | No Difference | No Difference | Lower | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Brain and Other Nervous System** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Breast** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Cervix Uteri** | N/A | No Difference | N/A | No Difference | N/A | No Difference | N/A | No Difference |
| **Colon/Rectum** | No Difference | No Difference | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference |
| **Esophagus** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Hodgkin Lymphoma** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Kidney & Renal Pelvis** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Larynx** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Leukemia** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Liver & Intrahepatic Bile Duct** | No Difference | No Difference | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference |
| **Lung & Bronchus** | No Difference | **Higher** | Lower | No Difference | No Difference | **Higher** | No Difference | **Higher** |
| **Melanoma of Skin** | No Difference | **Higher** | **Higher** | **Higher** | No Difference | No Difference | No Difference | No Difference |
| **Multiple Myeloma** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Non-Hodgkin Lymphoma** | No Difference | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference | No Difference |
| **Oral Cavity & Pharynx** | No Difference | No Difference | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference |
| **Ovary** | N/A | No Difference | N/A | No Difference | N/A | No Difference | N/A | No Difference |
| **Pancreas** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Prostate** | No Difference | N/A | No Difference | N/A | Lower | N/A | Lower | N/A |
| **Stomach** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Testis** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Thyroid** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Uteri Corpus and Uterus** | N/A | No Difference | N/A | No Difference | N/A | No Difference | N/A | No Difference |
| **All Sites/Types** | **Higher** | **Higher** | Lower | No Difference | No Difference | No Difference | No Difference | No Difference |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Braintree** | | **Hingham** | | **Quincy** | | **Weymouth** | |
|  | **Males** | **Females** | **Males** | **Females** | **Males** | **Females** | **Males** | **Females** |
| **Bladder, Urinary** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | **Higher** |
| **Brain and Other Nervous System** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Breast** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Cervix Uteri** | N/A | No Difference | N/A | No Difference | N/A | **Higher** | N/A | No Difference |
| **Colon/Rectum** | No Difference | **Higher** | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference |
| **Esophagus** | No Difference | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference | No Difference |
| **Hodgkin Lymphoma** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Kidney & Renal Pelvis** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Larynx** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | **Higher** | No Difference |
| **Leukemia** | Lower | No Difference | No Difference | No Difference | Lower | No Difference | No Difference | No Difference |
| **Liver & Intrahepatic Bile Duct** | No Difference | No Difference | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference |
| **Lung & Bronchus** | No Difference | No Difference | Lower | No Difference | **Higher** | **Higher** | **Higher** | No Difference |
| **Melanoma of Skin** | No Difference | No Difference | **Higher** | **Higher** | No Difference | No Difference | No Difference | **Higher** |
| **Multiple Myeloma** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Non-Hodgkin Lymphoma** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Oral Cavity & Pharynx** | No Difference | No Difference | No Difference | No Difference | **Higher** | No Difference | No Difference | No Difference |
| **Ovary** | N/A | No Difference | N/A | No Difference | N/A | No Difference | N/A | No Difference |
| **Pancreas** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Prostate** | No Difference | N/A | No Difference | N/A | No Difference | N/A | No Difference | N/A |
| **Stomach** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Testis** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Thyroid** | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference | No Difference |
| **Uteri Corpus and Uterus** | N/A | No Difference | N/A | No Difference | N/A | No Difference | N/A | No Difference |
| **All Sites/Types** | No Difference | No Difference | No Difference | No Difference | **Higher** | **Higher** | No Difference | No Difference |
|  |  |  |  |  |  |  |  |  |
| **Provisional Data: The 2011-2015 Massachusetts cancer incidence data for cities and towns are provisional and subject to revision until they have been thoroughly reviewed for final approval.** | | | | | | | | |













# Appendix C: MassDEP Release and Clean Up Reporting for Focus Area

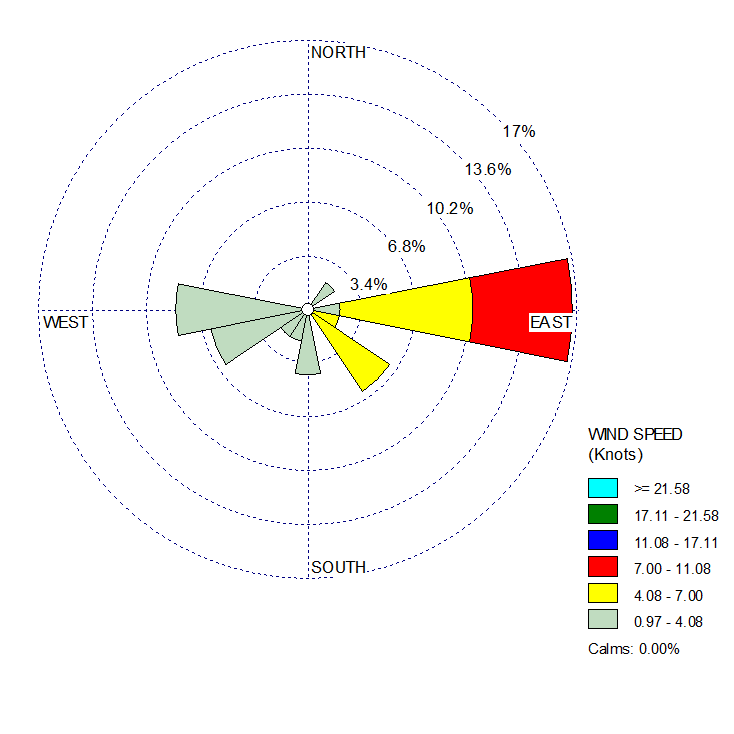
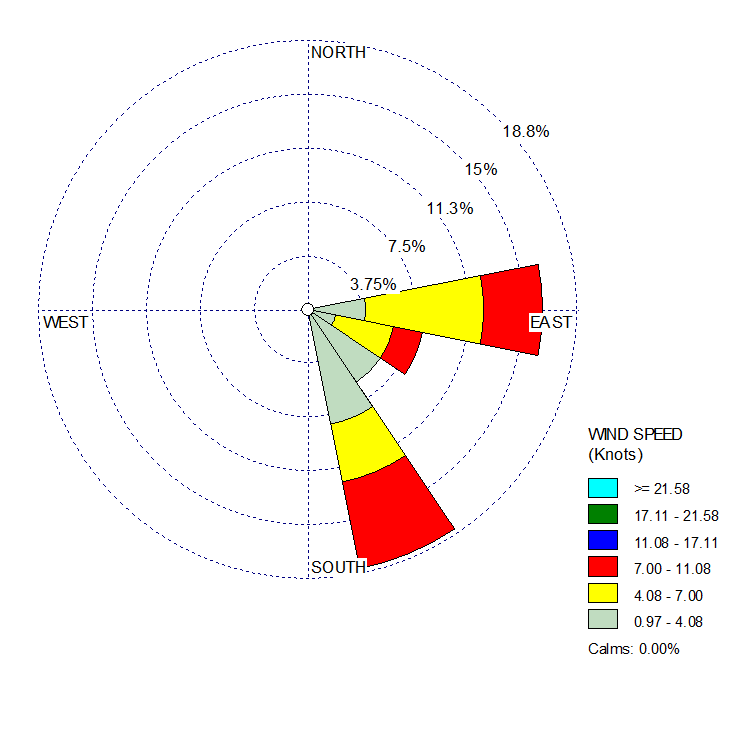
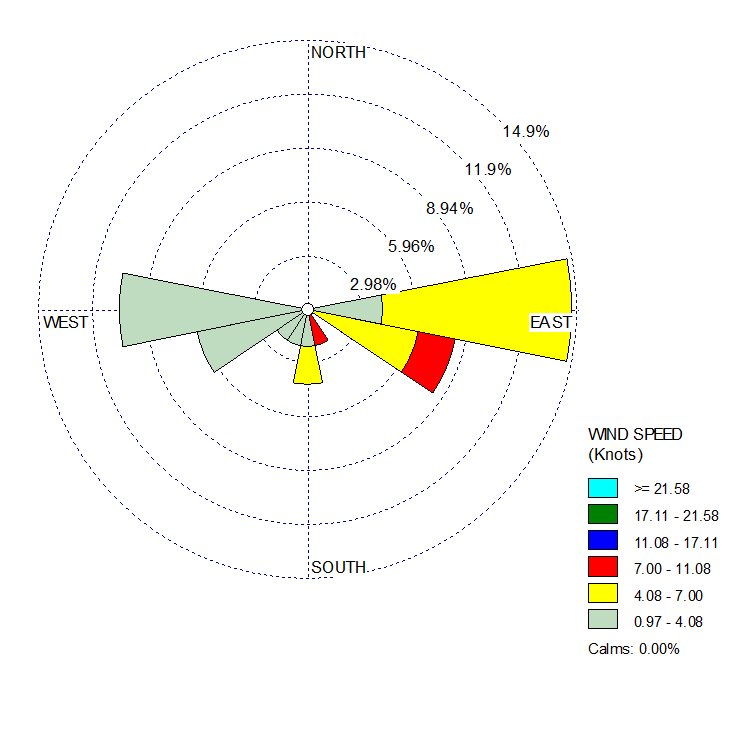
| RTN | City/Town | Release Address | Site Name Location Aid | Reporting Category | Notification Date | Compliance Status | Date | Phase | RAO Class | Chemical Type |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4-3010013 | BRAINTREE | 385 QUINCY AVE | NEAR GUARD SHACK | TWO HR | 10/03/1993 | RAO | 11/26/1993 |  | A1 | Hazardous Material |
| 4-3011233 | BRAINTREE | 385 QUINCY AVE | TANK A8 IN TANK FARM | TWO HR | 07/07/1994 | RAO | 09/06/1994 |  | A1 | Oil |
| 4-3010584 | BRAINTREE | 385 QUINCY AVE | CITGO TERMINAL | TWO HR | 02/14/1994 | RAO | 11/07/1994 |  | A1 | Oil |
| 4-3012574 | BRAINTREE | 385 QUINCY AVE | CLEAN HARBORS OF BRAINTREE INC | TWO HR | 06/14/1995 | RAO | 08/01/1995 |  | A1 | Hazardous Material |
| 4-3012656 | BRAINTREE | 385 QUINCY AVE | CLEAN HARBORS OF BRAINTREE INC | TWO HR | 07/06/1995 | RAO | 09/05/1995 |  | A1 | Hazardous Material |
| 4-3013024 | BRAINTREE | 385 QUINCY AVE | TANK FARM | TWO HR | 10/10/1995 | RAO | 12/08/1995 |  | A1 | Hazardous Material |
| 4-3012630 | BRAINTREE | HILL AVE | ON SIDE OF ROAD | TWO HR | 06/27/1995 | RAO | 03/11/1996 |  |  |  |
| 4-3013372 | BRAINTREE | 385 QUINCY AVE | NO LOCATION AID | TWO HR | 01/26/1996 | RAO | 03/21/1996 |  | A1 | Hazardous Material |
| 4-3013502 | BRAINTREE | 385 QUINCY AVE | CLEAN HARBORS OF BRAINTREE | TWO HR | 02/29/1996 | RAO | 04/22/1996 |  | A1 | Hazardous Material |
| 4-3013443 | BRAINTREE | 385 QUINCY AVE | NO LOCATION AID | TWO HR | 02/12/1996 | ADEQUATE REG | 06/11/1996 |  |  | Oil |
| 4-3013677 | BRAINTREE | 385 QUINCY AVE | CLEAN HARBORS OF BRAINTREE INC | TWO HR | 04/18/1996 | RAO | 06/20/1996 |  | A1 | Oil and Hazardous Material |
| 4-3013855 | BRAINTREE | 385 QUINCY AVE | CLEAN HARBORS | TWO HR | 06/05/1996 | RAO | 07/29/1996 |  | A1 | Oil |
| 4-3000529 | BRAINTREE | 385 QUINCY AVE | CLEAN HARBORS INC | NONE | 01/15/1987 | ADEQUATE REG | 02/12/1997 |  |  |  |
| 4-3015193 | BRAINTREE | 175 WEST HOWARD ST | MOOSE POST | 72 HR | 06/11/1997 | DPS | 01/12/1998 |  |  | Oil |
| 4-3016771 | BRAINTREE | 385 QUINCY AVE | CLEAN HARBORS | TWO HR | 05/07/1998 | RAO | 06/16/1998 |  | A1 | Hazardous Material |
| 4-3016998 | BRAINTREE | 385 QUINCY AVE | BLDG 6 | TWO HR | 07/02/1998 | ADEQUATE REG | 06/11/1999 |  |  | Hazardous Material |
| 4-3019525 | BRAINTREE | 1 HILL AVE | CLEAN HARBORS OF BRAINTREE INC | TWO HR | 05/08/2000 | RAO | 07/14/2000 |  | A2 | Oil |
| 4-3019811 | BRAINTREE | 1 HILL AVE | CLEAN HARBORS OF BRAINTREE INC | TWO HR | 08/08/2000 | RAO | 10/11/2000 |  | A2 |  |
| 4-3019171 | BRAINTREE | 385 QUINCY AVE | CITGO PETROLEUM TERMINAL | TWO HR | 01/15/2000 | RTN CLOSED | 12/18/2000 |  |  | Oil |
| 4-3019109 | BRAINTREE | 100 POTTER DR | BRAINTREE ELECTRIC LIGHT | 72 HR | 12/21/1999 | RTN CLOSED | 12/20/2000 |  |  | Oil |
| 4-3019846 | BRAINTREE | 385 QUINCY AVE | NO LOCATION AID | TWO HR | 08/16/2000 | RTN CLOSED | 02/14/2001 |  |  | Oil |
| 4-3019750 | BRAINTREE | 1 HILL AVE | NO LOCATION AID | TWO HR | 07/21/2000 | ADEQUATE REG | 04/12/2001 |  |  | Oil |
| 4-3020619 | BRAINTREE | 1 HILL AVE | NO LOCATION AID | TWO HR | 04/23/2001 | RAO | 06/22/2001 |  | A1 | Oil |
| 4-3020975 | BRAINTREE | 1 HILL AVE | NO LOCATION AID | TWO HR | 10/05/2001 | RAO | 10/05/2001 |  | A1 | Oil |
| 4-3021436 | BRAINTREE | 1 HILL AVE | CLEAN HARBORS SOUTH OF TANK FARM | TWO HR | 01/29/2002 | RAO | 03/29/2002 |  | A1 | Oil and Hazardous Material |
| 4-3021753 | BRAINTREE | 1 HILL AVE | WEST OF TANK FARM | TWO HR | 05/12/2002 | RAO | 07/18/2002 |  | A1 | Hazardous Material |
| 4-3022150 | BRAINTREE | 1 HILL AVE | NO LOCATION AID | TWO HR | 09/27/2002 | RAO | 11/14/2002 |  | A1 | Oil and Hazardous Material |
| 4-3021612 | BRAINTREE | 100 POTTER DR | BRAINTREE ELECTRIC LIGHT | TWO HR | 03/26/2002 | RTN CLOSED | 12/11/2002 |  |  | Oil |
| 4-3022335 | BRAINTREE | HILL AVE | REAR OF 503 QUINCY AVE | TWO HR | 11/15/2002 | RAO | 01/21/2003 |  | A2 |  |
| 4-3023939 | BRAINTREE | 385 QUINCY AVE | ON SHORE BY DOCK | TWO HR | 06/08/2004 | RTN CLOSED | 06/07/2005 |  |  | Oil |
| 4-3025137 | BRAINTREE | 385 QUINCY AVE | CITGO PETROLEUM BULK STORAGE TERMINAL | TWO HR | 08/14/2005 | RAO | 12/05/2005 |  | A1 | Oil |
| 4-0021812 | BRAINTREE | 385 QUINCY AVE | CITGO STORAGE TERMINAL | TWO HR | 03/03/2009 | RAO | 05/05/2009 |  | A1 | Oil |
| 4-0025889 | BRAINTREE | 385 QUINCY AVE. | CITGO PETROLEUM TERMINAL | TWO HR | 11/30/2015 | PSNC | 01/26/2016 |  | PN |  |
| 4-0026018 | BRAINTREE | 385 QUINCY AVENUE | CITGO BRAINTREE | TWO HR | 03/02/2016 | PSNC | 04/25/2016 |  | PN |  |
| 4-3022364 | BRAINTREE | 441R QUINCY AVE | RESIDENCE | TWO HR | 12/03/2002 | RAO | 07/22/2008 | PHASE II | B1 | Oil |
| 4-3002059 | BRAINTREE | 100 POTTER DR | BRAINTREE ELEC POTTER STA | NONE | 04/05/1989 | RTN CLOSED | 08/07/2002 | PHASE III |  |  |
| 4-3025628 | BRAINTREE | 35 LANCASTER RD | NO LOCATION AID | 120 DY | 02/01/2006 | RAO | 03/06/2009 | PHASE III | B1 | Oil and Hazardous Material |
| 4-3000260 | BRAINTREE | 385 QUINCY AVE | CITGO BRAINTREE TERMINAL | NONE | 01/15/1987 | REMOPS | 11/17/2008 | PHASE V |  |  |
| 3-0010363 | QUINCY | 450 QUINCY AVE | INTERSECTION WITH HOWARD ST | TWO HR | 12/28/1993 | RAO | 02/02/1994 |  | A1 | Oil |
| 3-0015782 | QUINCY | 780 WASHINGTON ST | TWIN RIVERS | TWO HR | 12/04/1997 | RAO | 01/30/1998 |  | A1 | Oil |
| 3-0015304 | QUINCY | 780 WASHINGTON ST | TWIN RIVERS | TWO HR | 07/16/1997 | RTN CLOSED | 07/31/1998 |  |  | Oil |
| 3-0010266 | QUINCY | 97 EAST HOWARD ST | FMR GENERAL DYNAMICS SHIPYARD | TWO HR | 11/23/1993 | RTN CLOSED | 04/19/1999 |  |  | Oil |
| 3-0019527 | QUINCY | 115 EAST HOWARD ST | QUINCY SHIPYARD BLDG 57 BRAINTREE | TWO HR | 05/08/2000 | RAO | 09/22/2000 |  | A1 | Oil and Hazardous Material |
| 3-0021469 | QUINCY | 740 WASHINGTON ST | TRT TERMINAL | TWO HR | 02/07/2002 | RAO | 06/14/2002 |  | A1 | Hazardous Material |
| 3-0022334 | QUINCY | EAST HOWARD ST | QUINCY SHIPYARD | TWO HR | 11/21/2002 | RAO | 01/29/2003 |  | A2 | Oil |
| 3-0023109 | QUINCY | 740 WASHINGTON ST | VEGETABLE OIL SPILL TRT TERMINAL | TWO HR | 08/20/2003 | RAO | 10/20/2003 |  | A1 | Oil |
| 3-0024539 | QUINCY | 780 WASHINGTON ST | COCONUT FATTY ACID RELEASE | TWO HR | 01/06/2005 | RAO | 03/07/2005 |  | A1 |  |
| 3-0024839 | QUINCY | 780 WASHINGTON ST | ANIMAL FAT RELEASE | TWO HR | 05/09/2005 | RAO | 07/05/2005 |  | A1 |  |
| 3-0025087 | QUINCY | 780 WASHINGTON ST | COCONUT FATTY ACID RELEASE | TWO HR | 07/31/2005 | RAO | 10/06/2005 |  | A2 |  |
| 3-0025135 | QUINCY | 780 WASHINGTON ST | VEGETABLE OIL/ANIMAL FAT RELEASE | TWO HR | 08/14/2005 | RAO | 10/20/2005 |  | A1 |  |
| 3-0025274 | QUINCY | 740 WASHINGTON ST | LOADING RACKS | TWO HR | 09/28/2005 | RAO | 12/05/2005 |  | A1 | Hazardous Material |
| 3-0025920 | QUINCY | 458 QUINCY AVE | NO LOCATION AID | 120 DY | 05/22/2006 | URAM | 05/31/2006 |  |  | Oil |
| 3-0026010 | QUINCY | 451 QUINCY AVE | GASOLINE STATION | TWO HR | 06/21/2006 | RAO | 08/28/2006 |  | A1 | Oil |
| 3-0025565 | QUINCY | 115 EAST HOWARD ST | FORMER QUINCY SHIPYARD | TWO HR | 01/11/2006 | DPS | 10/27/2006 |  |  | Oil |
| 3-0026184 | QUINCY | 780 WASHINGTON ST | TWIN RIVERS TECHNOLOGIES | TWO HR | 08/30/2006 | RAO | 10/30/2006 |  | A1 |  |
| 3-0027214 | QUINCY | 780 WASHINGTON ST | TWIN RIVERS TECHNOLOGIES | 120 DY | 10/24/2007 | RAO | 11/01/2007 |  | B1 | Hazardous Material |
| 3-0027213 | QUINCY | 780 WASHINGTON ST | TWIN RIVERS TECHNOLOGIES | 120 DY | 10/24/2007 | RAO | 11/01/2007 |  | B1 | Hazardous Material |
| 3-0022272 | QUINCY | 115 EAST HOWARD ST | FORMER FORE RIVER SHIPYARD | 120 DY | 11/01/2002 | RAO | 02/05/2008 |  | A2 | Hazardous Material |
| 3-0027228 | QUINCY | 780 WASHINGTON ST | TWIN RIVERS TECHNOLOGIES | 120 DY | 11/01/2007 | RAO | 03/07/2008 |  | B2 | Hazardous Material |
| 3-0027451 | QUINCY | 740 WASHINGTON ST | SPRAGUE OIL | TWO HR | 01/18/2008 | RAO | 03/12/2008 |  | A1 | Oil |
| 3-0027642 | QUINCY | 64 BROADWAY | NO LOCATION AID | TWO HR | 04/22/2008 | RAO | 09/25/2008 |  | A1 | Oil |
| 3-0027955 | QUINCY | 450 QUINCY AVE | TOWN FAIR TIRE | 120 DY | 09/05/2008 | RAO | 11/28/2008 |  | A2 | Hazardous Material |
| 3-0028360 | QUINCY | 780 WASHINGTON ST | TWIN RIVERS TECHNOLOGIES WEST TANK FARM | TWO HR | 03/08/2009 | RAO | 04/10/2009 |  | A2 |  |
| 3-0028668 | QUINCY | 740 WASHINGTON ST | INDUSTRIAL PROPERTY | TWO HR | 08/12/2009 | RAO | 09/24/2009 |  | A1 | Oil |
| 3-0028828 | QUINCY | 97 EAST HOWARD ST | QUINCY SHIPYARD | TWO HR | 10/24/2009 | RAO | 02/26/2010 |  | A1 | Oil |
| 3-0029025 | QUINCY | 740 WASHINGTON ST | TERMINAL RACK | TWO HR | 01/21/2010 | RAO | 03/12/2010 |  | A1 | Oil |
| 3-0029623 | QUINCY | 703 WASHINGTON STREET | HARBOR EXPRESS COMMUTER BOAT DOCK | TWO HR | 11/04/2010 | RAO | 11/30/2010 |  | A1 | Oil |
| 3-0029686 | QUINCY | 780 WASHINGTON STREET | NO LOCATION AID | 120 DY | 12/06/2010 | URAM | 05/29/2012 |  |  | Hazardous Material |
| 3-0031493 | QUINCY | 150 E HOWARD STREET | RDA DOCK | TWO HR | 05/01/2013 | RAO | 06/19/2013 |  | A1 | Oil |
| 3-0031766 | QUINCY | EAST HOWARD STREET | BARGE ADELAIDE @ FORE RIVER SHIPYARD | TWO HR | 09/22/2013 | RAO | 01/14/2014 |  | A1 |  |
| 3-0032718 | QUINCY | 780 WASHINGTON STREET | NO LOCATION AID | TWO HR | 02/06/2015 | PSNC | 06/05/2015 |  | PN | Oil |
| 3-0033360 | QUINCY | 740 WASHINGTON STREET | NO LOCATION AID | TWO HR | 01/13/2016 | PSNC | 02/29/2016 |  | PN | Oil |
| 3-0033719 | QUINCY | 479 WASHINGTON STREET | COMMERCIAL PROPERTY | 72 HR | 07/22/2016 | PSNC | 09/21/2016 |  | PN | Oil and Hazardous Material |
| 3-0033944 | QUINCY | 479 WASHINGTON STREET | FORMER PRIME HYUNDAI | 120 DY | 11/30/2016 | PSNC | 05/02/2017 |  | PN | Hazardous Material |
| 3-0035093 | QUINCY | 780 WASHINGTON STREET | TWIN RIVERS TECHNOLOGIES MANUFACTURING | TWO HR | 07/27/2018 | UNCLASSIFIED | 07/27/2018 |  |  | Oil |
| 3-0012920 | QUINCY | 780 WASHINGTON ST | WEYMOUTH FORE RIVER | TWO HR | 09/13/1995 | RTN CLOSED | 07/31/1998 | PHASE II |  | Oil |
| 3-0019092 | QUINCY | 450 QUINCY AVE | NO LOCATION AID | 120 DY | 12/20/1999 | RAO | 04/12/2004 | PHASE II | B1 | Oil and Hazardous Material |
| 3-0029469 | QUINCY | 140 DOANE STREET | QUINCY FIRE DEPARTMENT BUILDING | TWO HR | 08/26/2010 | RAO | 08/27/2012 | PHASE II | A2 | Oil |
| 3-0032600 | QUINCY | 18 SWAN ROAD | RESIDENCE | TWO HR | 11/09/2014 | PSNC | 07/25/2016 | PHASE II | PN | Oil |
| 3-0024568 | QUINCY | EAST HOWARD ST | DRYDOCKS 11 AND 12 | 120 DY | 01/17/2005 | RAO | 06/23/2009 | PHASE III | B2 | Hazardous Material |
| 3-0019676 | QUINCY | 451 QUINCY AVE | NO LOCATION AID | 120 DY | 10/16/2000 | RAO | 09/15/2008 | PHASE IV | A3 | Oil |
| 3-0000536 | QUINCY | 97 EAST HOWARD ST | GENERAL DYNAMICS FMR | NONE | 01/15/1987 | RAO | 04/30/2004 | PHASE V | C1 |  |
| 3-0003804 | QUINCY | 780 WASHINGTON ST | PROCTER & GAMBLE MFG CO | NONE | 05/19/1992 | REMOPS | 07/31/2006 | PHASE V |  | Oil |
| 4-3003941 | WEYMOUTH | 69 NORTON ST | YACHT CLUB FACILITY | NONE | 04/15/1992 | WCSPRM | 05/05/1994 |  |  | Oil |
| 4-3010923 | WEYMOUTH | 252 BRIDGE ST | NO LOCATION AID | 120 DY | 04/22/1994 | RAO | 05/13/1994 |  | A3 | Oil |
| 4-3011475 | WEYMOUTH | 230 BRIDGE ST | AUTO PALACE | TWO HR | 08/06/1994 | RAO | 10/05/1994 |  |  | Oil |
| 4-3012715 | WEYMOUTH | 296-300 BRIDGE ST | ROUTE 3A | 120 DY | 07/21/1995 | RAO | 08/16/1996 |  | A3 | Oil |
| 4-3003609 | WEYMOUTH | 5 BRIDGE ST | CH SPRAGUE & SON CO | NONE | 01/24/1989 | RAO | 07/17/1997 |  | A2 | Oil |
| 4-3015472 | WEYMOUTH | BRIDGE ST | MA ELEC | TWO HR | 08/26/1997 | RAO | 10/24/1997 |  | A1 | Oil |
| 4-3016744 | WEYMOUTH | BRIDGE ST | NO LOCATION AID | 120 DY | 05/01/1998 | URAM | 05/01/1998 |  |  | Oil |
| 4-3016796 | WEYMOUTH | BRIDGE ST | BECO | 72 HR | 05/14/1998 | RTN CLOSED | 12/02/1998 |  |  | Oil |
| 4-3015814 | WEYMOUTH | BRIDGE ST | FMR ELECTRIC GENERATING FACILITY | 120 DY | 12/04/1997 | RAO | 12/18/1998 |  | A2 | Oil |
| 4-3018816 | WEYMOUTH | 1 BRIDGE ST | FMR GENERATING FACILITY | TWO HR | 09/30/1999 | RTN CLOSED | 12/08/1999 |  |  | Hazardous Material |
| 4-3019358 | WEYMOUTH | 1 BRIDGE ST | FMR GENERATING FACILITY | TWO HR | 03/13/2000 | RTN CLOSED | 05/12/2000 |  |  | Oil |
| 4-3020775 | WEYMOUTH | 1 BRIDGE ST | FRM EDGAR STATION | TWO HR | 06/12/2001 | RAO | 08/10/2001 |  | A1 |  |
| 4-3021150 | WEYMOUTH | 10 BRIDGE ST | NO LOCATION AID | 120 DY | 10/11/2001 | URAM | 10/18/2001 |  |  | Oil |
| 4-3019012 | WEYMOUTH | 1 BRIDGE ST | NO LOCATION AID | TWO HR | 11/29/1999 | RAO | 10/22/2001 |  | A2 | Oil and Hazardous Material |
| 4-3021295 | WEYMOUTH | 7 RIVERBANK RD | EAST OF MORELL ST | TWO HR | 12/01/2001 | RAO | 05/31/2002 |  | A2 | Oil |
| 4-3021901 | WEYMOUTH | EVANS ST | POLE NO 10 | TWO HR | 06/28/2002 | RAO | 08/26/2002 |  | A1 | Oil |
| 4-3022694 | WEYMOUTH | 1 BRIDGE ST | 42-14-24N 70-57-53W | TWO HR | 03/22/2003 | RAO | 09/02/2003 |  | A2 | Oil |
| 4-0026243 | WEYMOUTH | 6 AND 50 BRIDGE STREET | CALPINE FORE RIVER | 72 HR | 07/29/2016 | RTN CLOSED | 07/28/2017 |  |  |  |
| 4-3010636 | WEYMOUTH | 22 FAIRLAWN RD | PROGRESS ST | TWO HR | 03/01/1994 | RAO | 08/16/1995 | PHASE II | A1 | Oil |
| 4-3015813 | WEYMOUTH | BRIDGE ST | FMR ELECTRIC GENRTR STATION #2 TRANSFER | 120 DY | 12/04/1997 | RAO | 09/29/2000 | PHASE II | A2 | Oil |
| 4-3018690 | WEYMOUTH | 1 BRIDGE ST | SITHE FMR GENERATING FACILITY | TWO HR | 08/27/1999 | RAO | 12/03/2001 | PHASE II | A3 | Oil and Hazardous Material |
| 4-0026230 | WEYMOUTH | 6 & 50 BRIDGE STREET | 6 & 50 BRIDGE STREET | 120 DY | 07/29/2016 | TIER 2 | 07/28/2017 | PHASE II |  |  |
| 4-3004395 | WEYMOUTH | 291 BRIDGE ST | 3A AUTO SERVICES | NONE | 05/05/1992 | RAO | 12/12/2002 | PHASE III | A2 | Oil |
| 4-3004720 | WEYMOUTH | 5 BRIDGE ST | EDGAR STATION PIPELINE | NONE | 10/01/1993 | RAO | 05/26/2000 | PHASE IV | A2 |  |

# Appendix D. MassDEP Documentation of Air Monitoring Canisters and Station

|  |  |
| --- | --- |
| P:\My Documents\Fore River\DSCF0929.JPG | P:\My Documents\Fore River\DSCF1016.JPG |
| Quincy – Clement O’Brien Tower | Braintree – Braintree Electric and Light Department |
| P:\My Documents\Fore River\DSCF0961.JPG | P:\My Documents\Fore River\DSCF0964.JPG |
| Weymouth 1 – Fore River Energy Center | Weymouth 2 – Enbridge Site |
| P:\My Documents\Fore River\DSCF1018.JPG |  |
| Hingham – MWRA Pumping Station/Stodder’s Neck | Mini-station at Weymouth MWRA Pump Station |

Wind Roses (Wind Direction / Wind Speed) From Von Hillern Street, Boston Monitoring Station

(hour 11 – hour 10)



July 7, 2018 – July 8, 2018

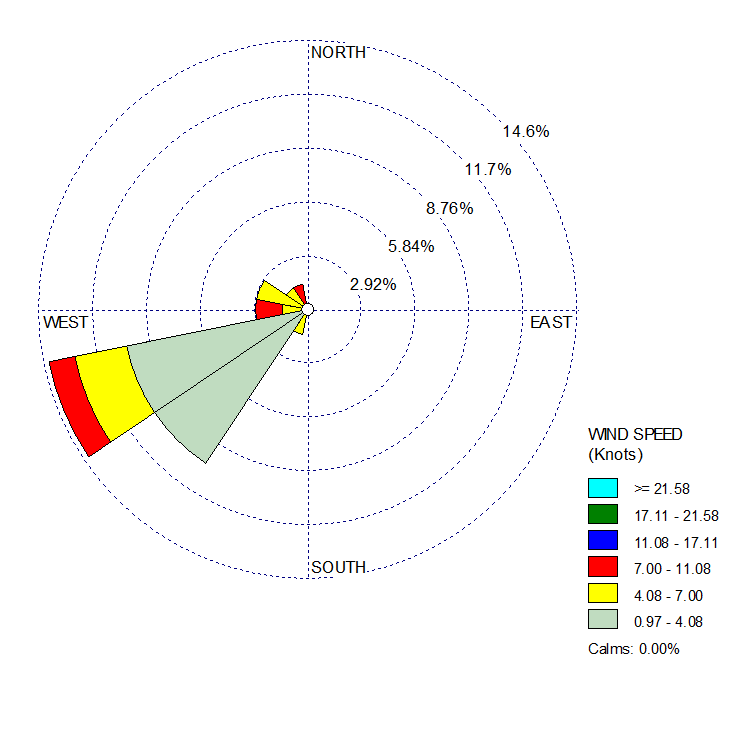
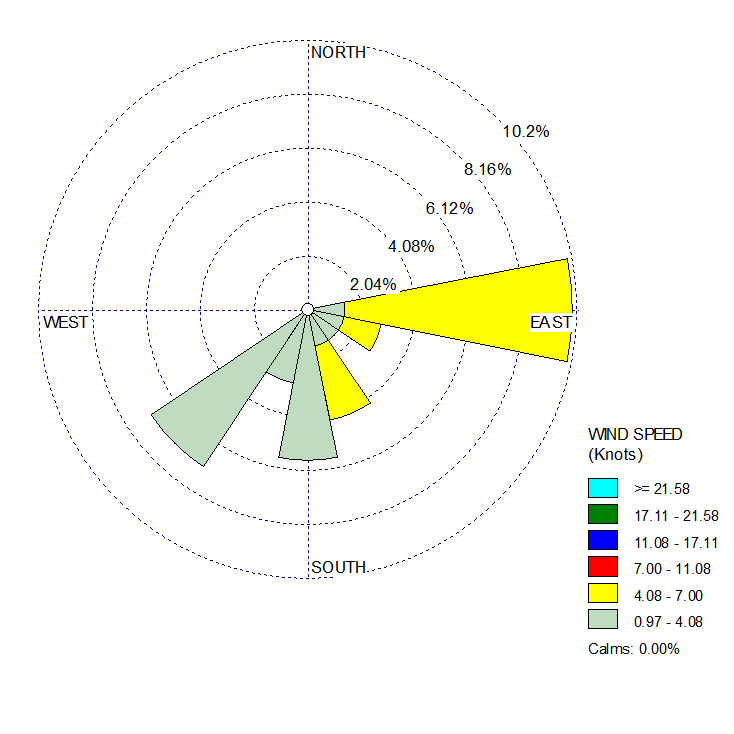
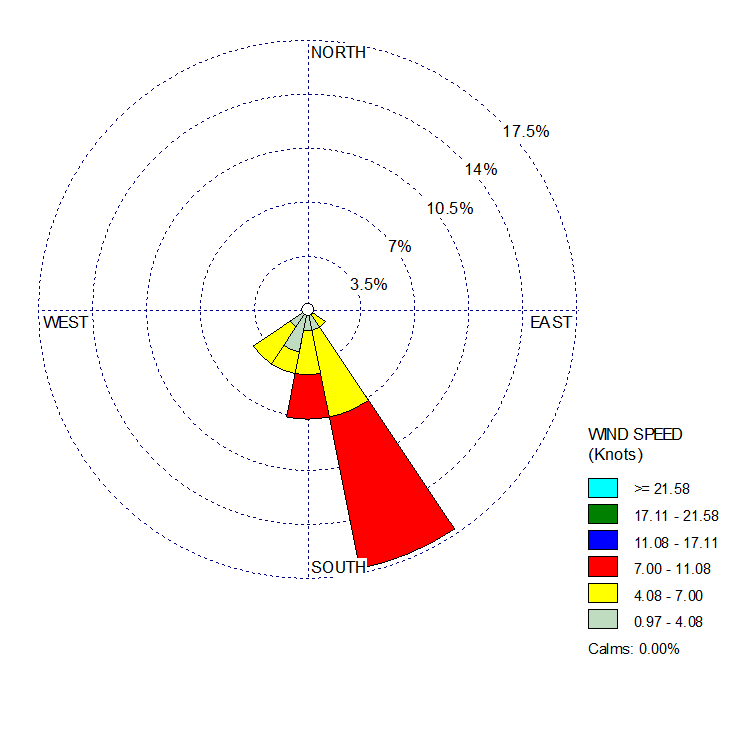
July 13, 2018 – July 14, 2018

July 19, 2018 – July 20, 2018

July 25, 2018 – July 26, 2018

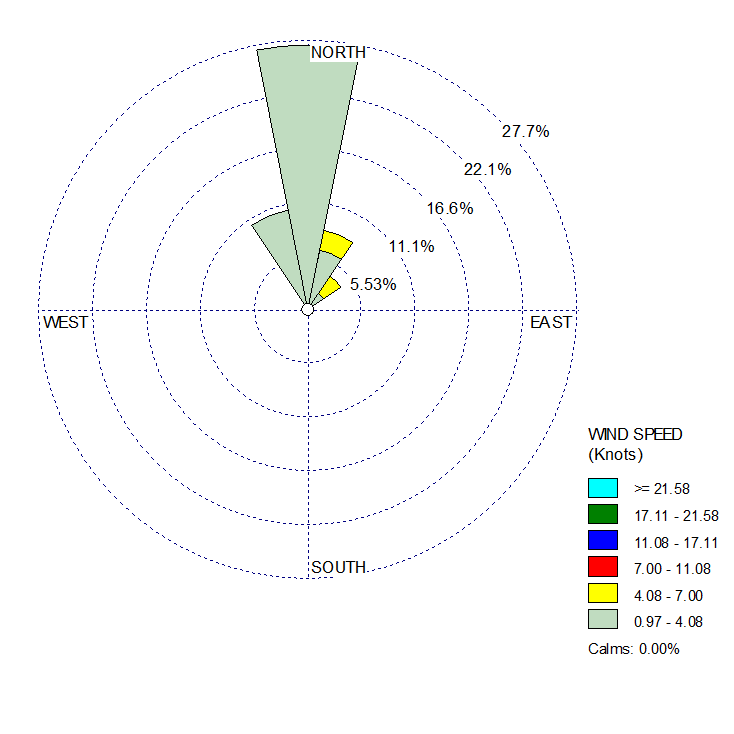
July 31, 2018 – August 1, 2018

August 6, 2018 – August 7, 2018



August 12, 2018 – August 13, 2018

Location of Von Hillern monitor station shown below with wind rose for August 12 - 13 superimposed.



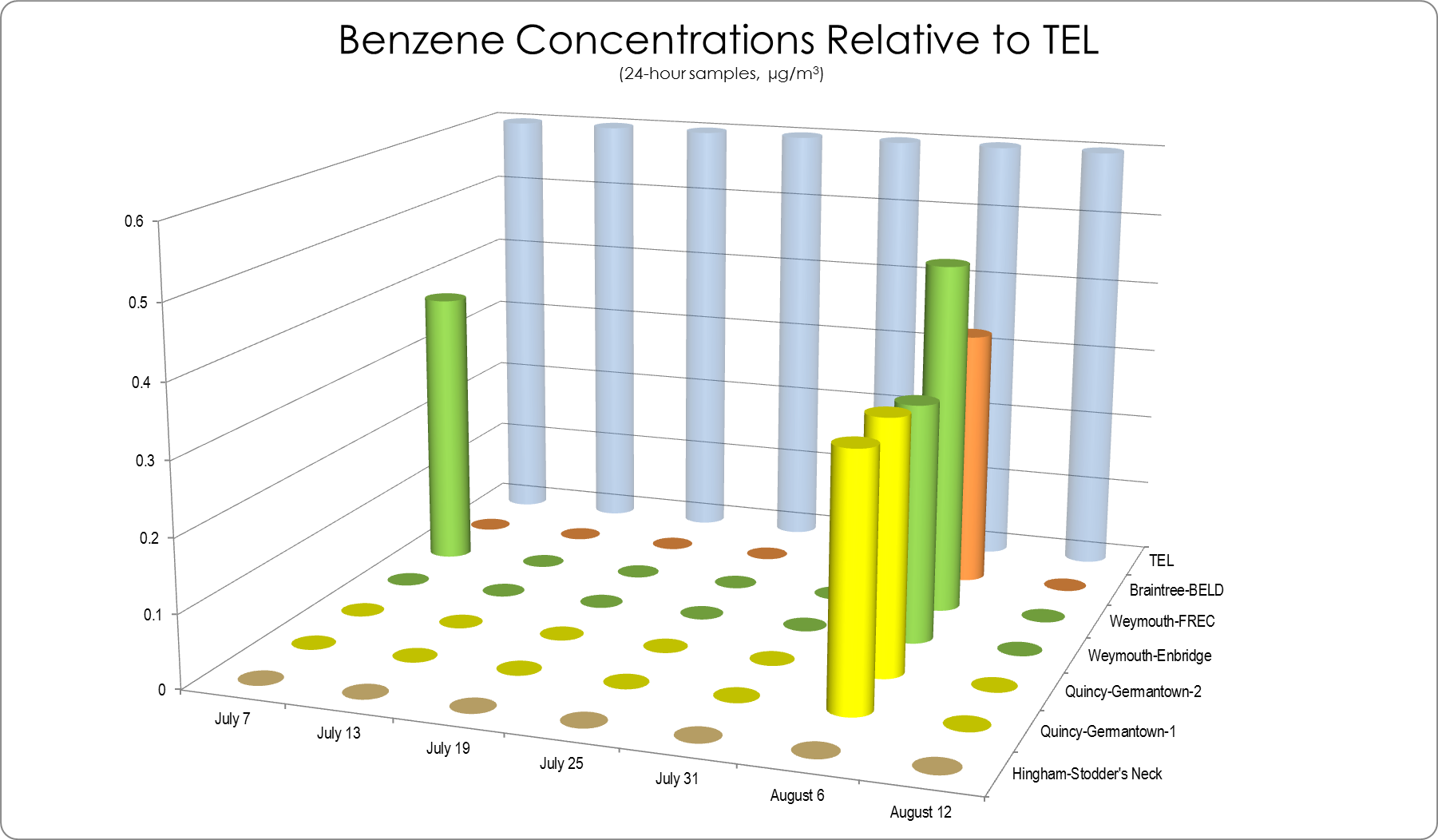
Wind Direction / Wind Speed / Maximum Temperature

From Von Hillern Street, Boston Monitoring Station (hour 11 – hour 10)

|  |  |
| --- | --- |
| July 7 - 8, 2018  Wind Direction / Wind Speed (hours)  E = 9 > 5 mph = 11  SE = 3 < 5 mph = 13  S = 3  SW = 5  W = 4  Max Temp July 7: 73 F  Max Temp July 8: 81 F | July 13 – 14, 2018  Wind Direction / Wind Speed (hours)  E = 9 > 5 mph = 15  SE = 15 < 5 mph = 9  Max Temp July 13: 77 F  Max Temp July 14: 75 F |
| July 19 – 20, 2018  Wind Direction / Wind Speed (hours)  NE = 1 > 5 mph = 12  E = 8 < 5 mph = 12  SE = 4  S = 2  SW = 5  W = 4  Max Temp July 19: 75 F  Max Temp July 20: 89 F | July 25 – 26, 2018  Wind Direction / Wind Speed (hours)  SE = 14 > 10 mph = 3  S = 4 5 – 10 mph = 17  SW = 6 < 5 mph = 4  Max Temp July 25: 84 F  Max Temp July 26: 84 F |
| July 31 – August 1, 2018  Wind Direction / Wind Speed (hours)  E = 7 > 5 mph = 9  SE = 6 < 5 mph = 15  S = 4  SW = 7  Max Temp July 31: 82 F  Max Temp August 1: 82 F | August 6 – 7, 2018  Wind Direction / Wind Speed (hours)  SW = 18 > 5 mph = 11  W = 1 < 5 mph = 13  NW = 5  Max Temp August 6: 95 F  Max Temp August 7: 95 F |
| August 12 – 13, 2018  Wind Direction / Wind Speed (hours)  NW = 4 > 5 mph = 3  N = 14 < 5 mph = 21  NE = 6  Max Temp August 12: 73 F  Max Temp August 13: 73 F |  |

# Appendix E. Figures of MassDEP 2018 Air Monitoring Results

Benzene Concentrations from Canister Samples relative to TEL

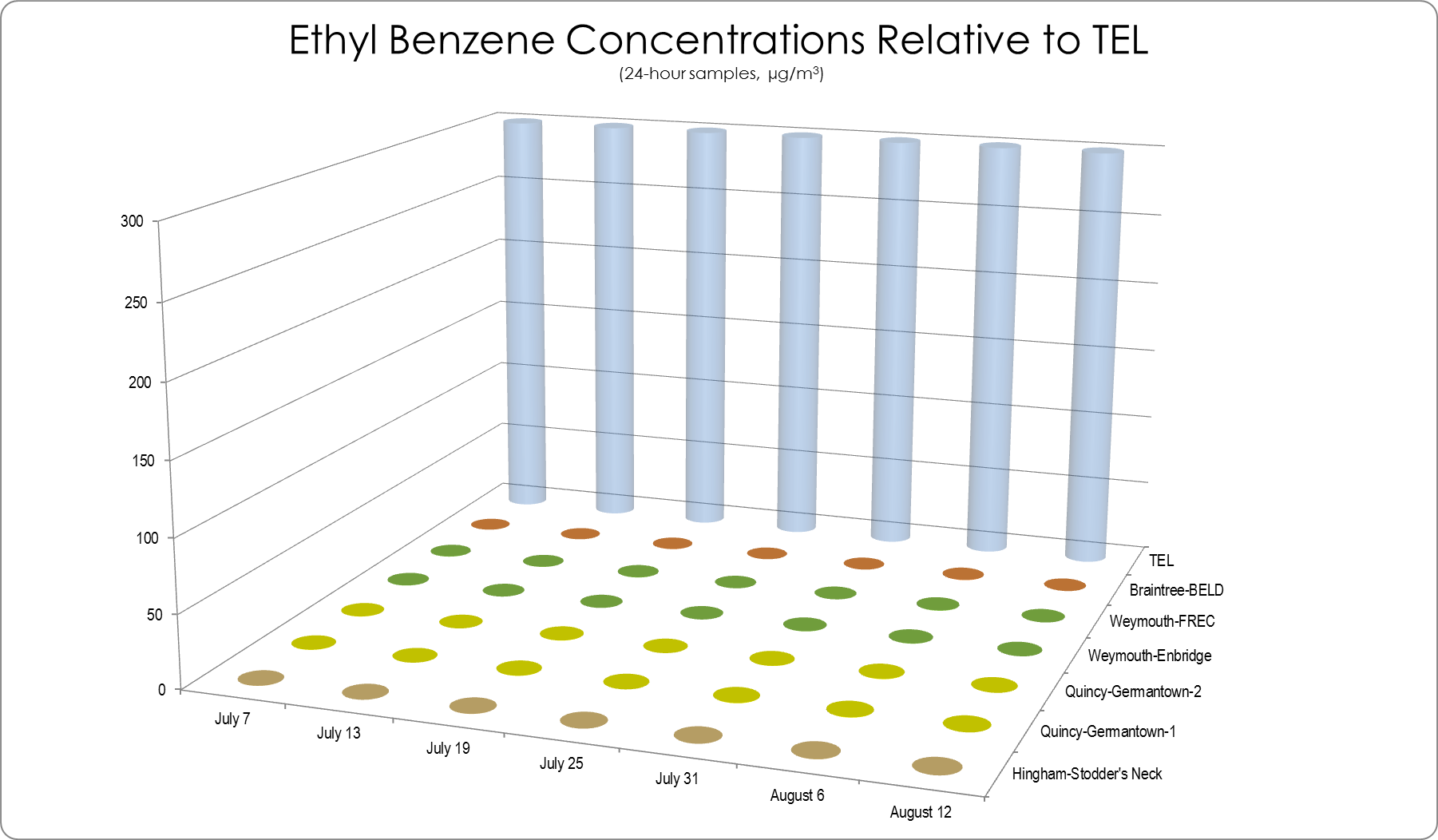


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Ethyl Benzene Concentrations from Canister Samples relative to TEL

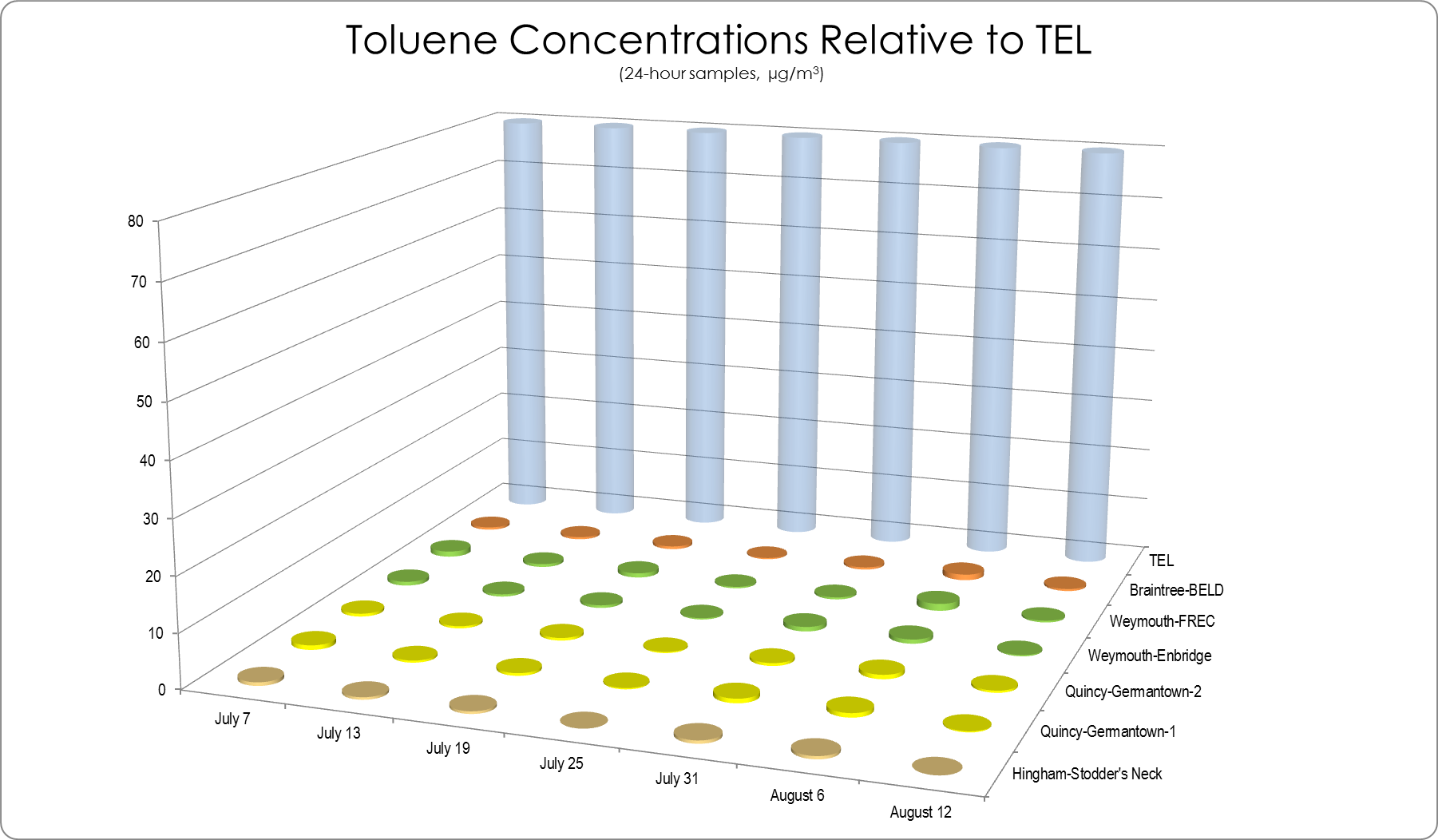


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Toluene Concentrations from Canister Samples relative to TEL

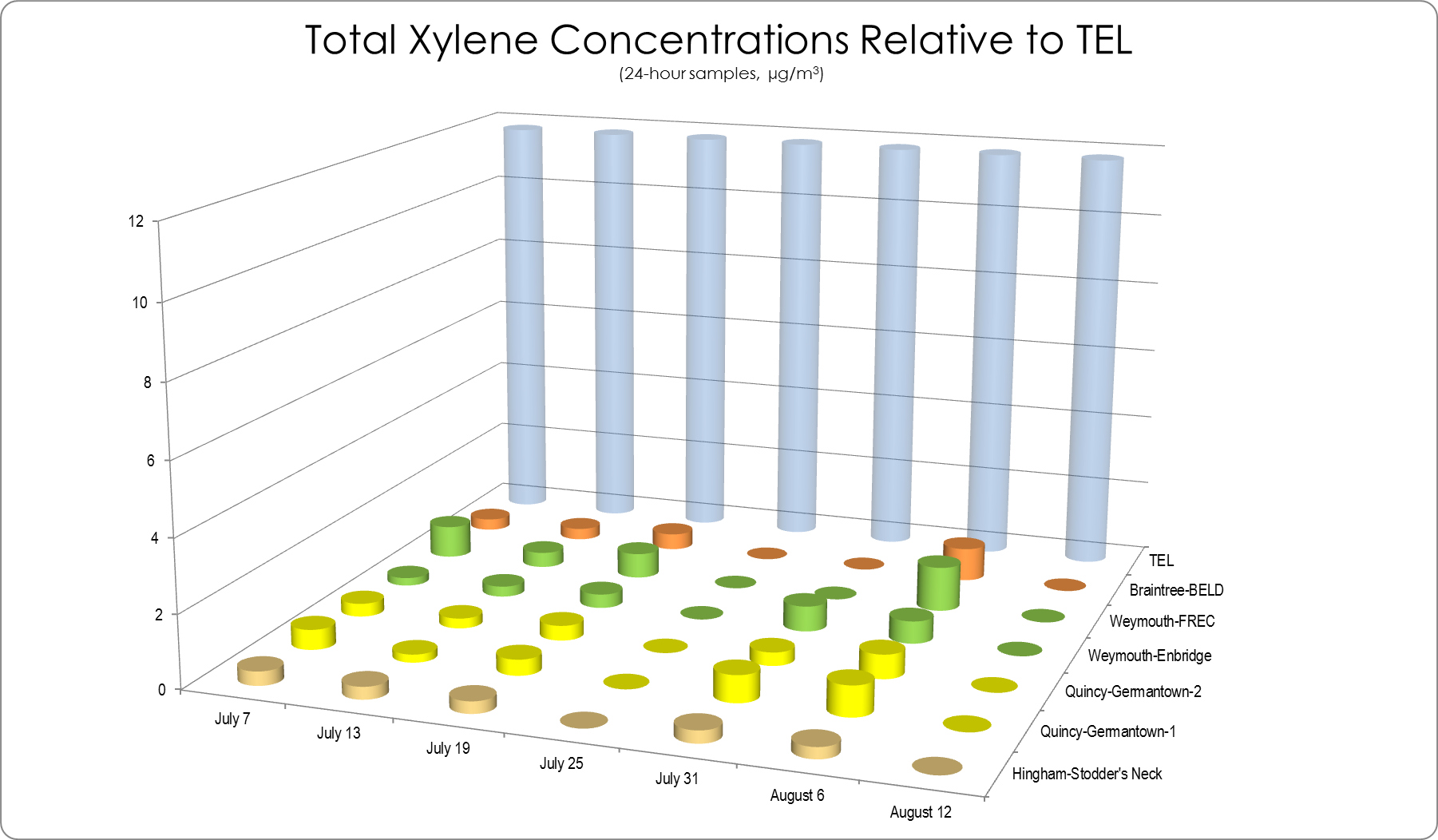


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Xylene Concentrations from Canister Samples relative to TEL

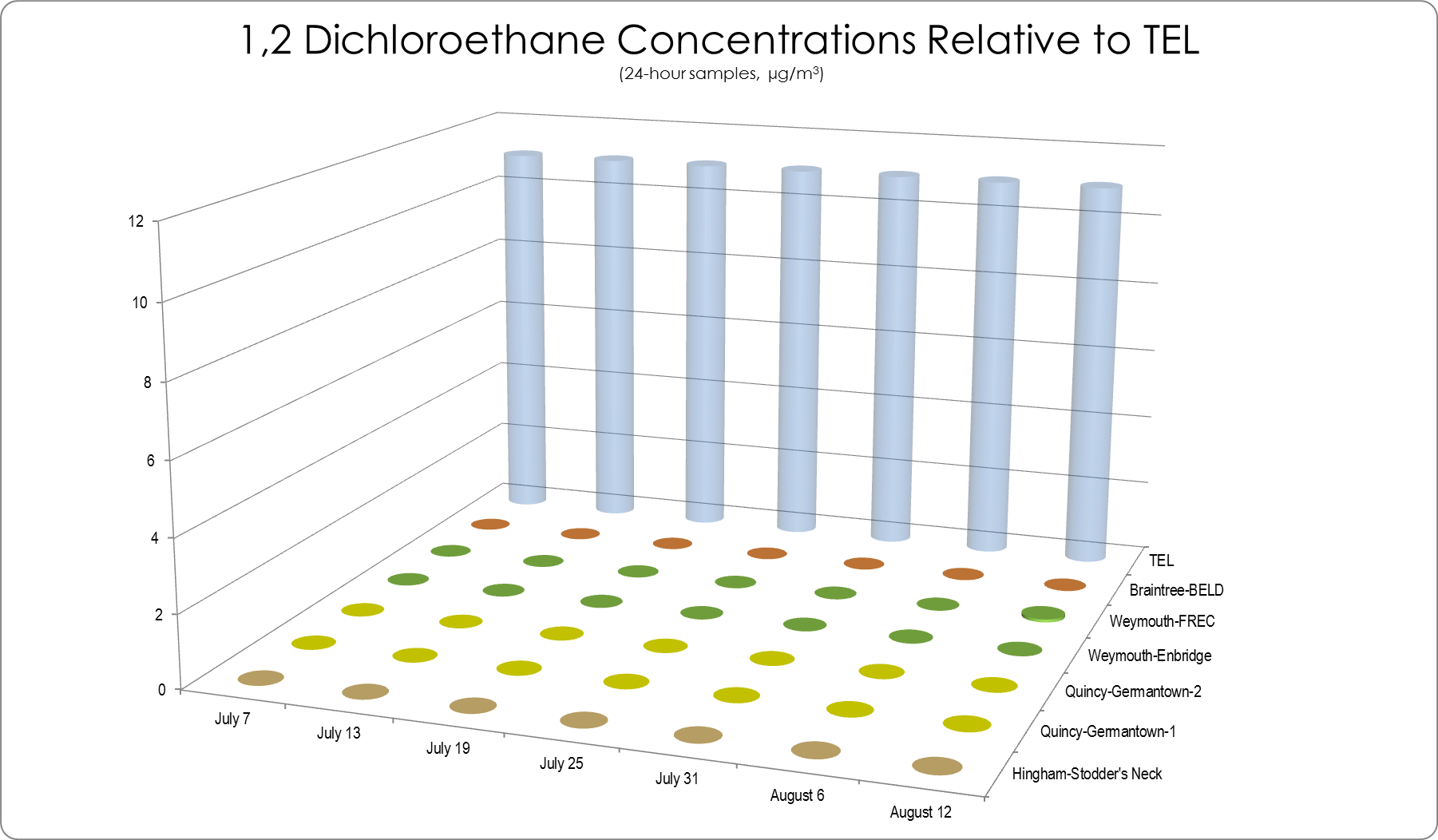


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Dichloroethane Concentrations from Canister Samples relative to TEL

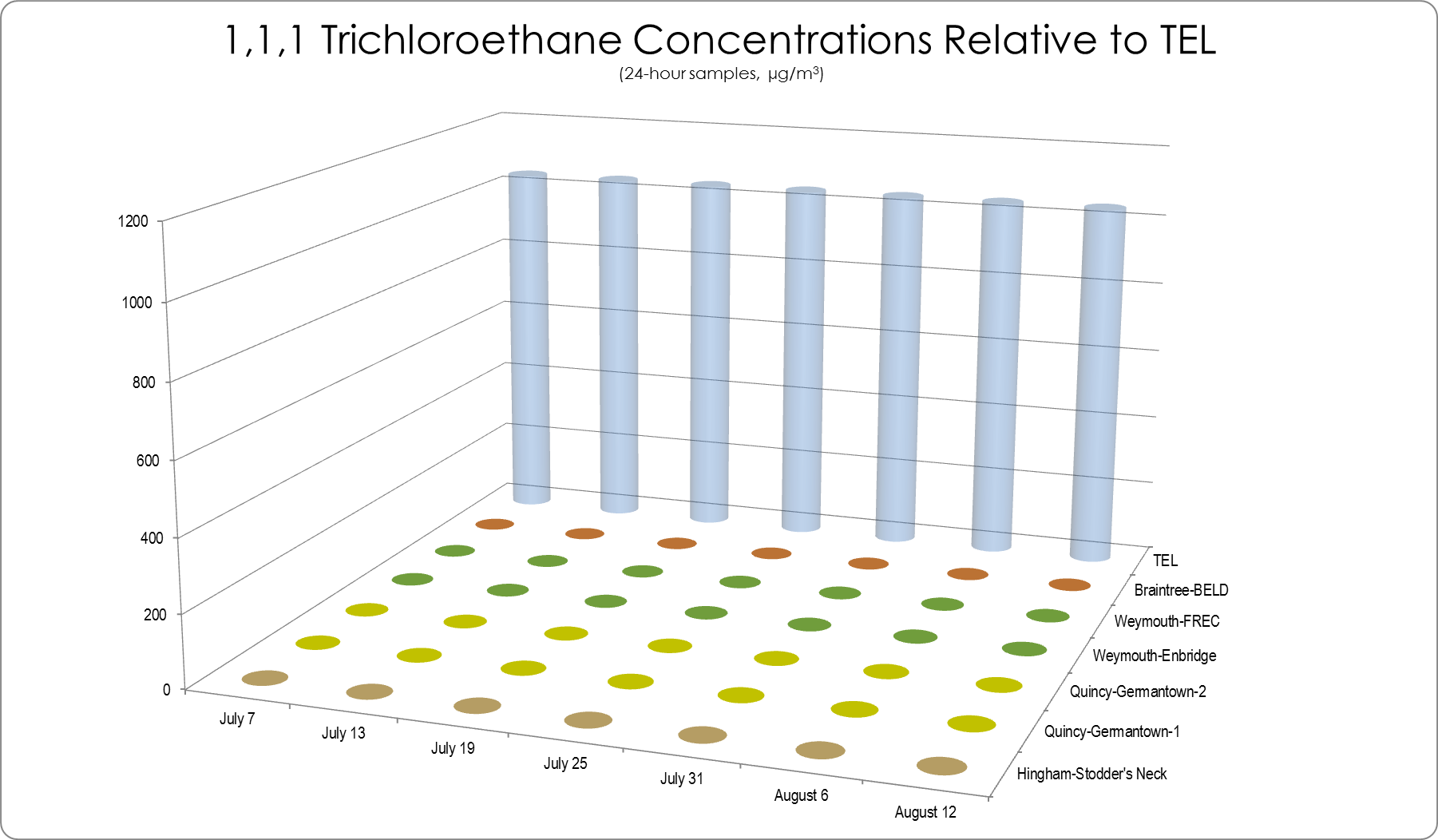


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Trichloroethane Concentrations from Canister Samples relative to TEL

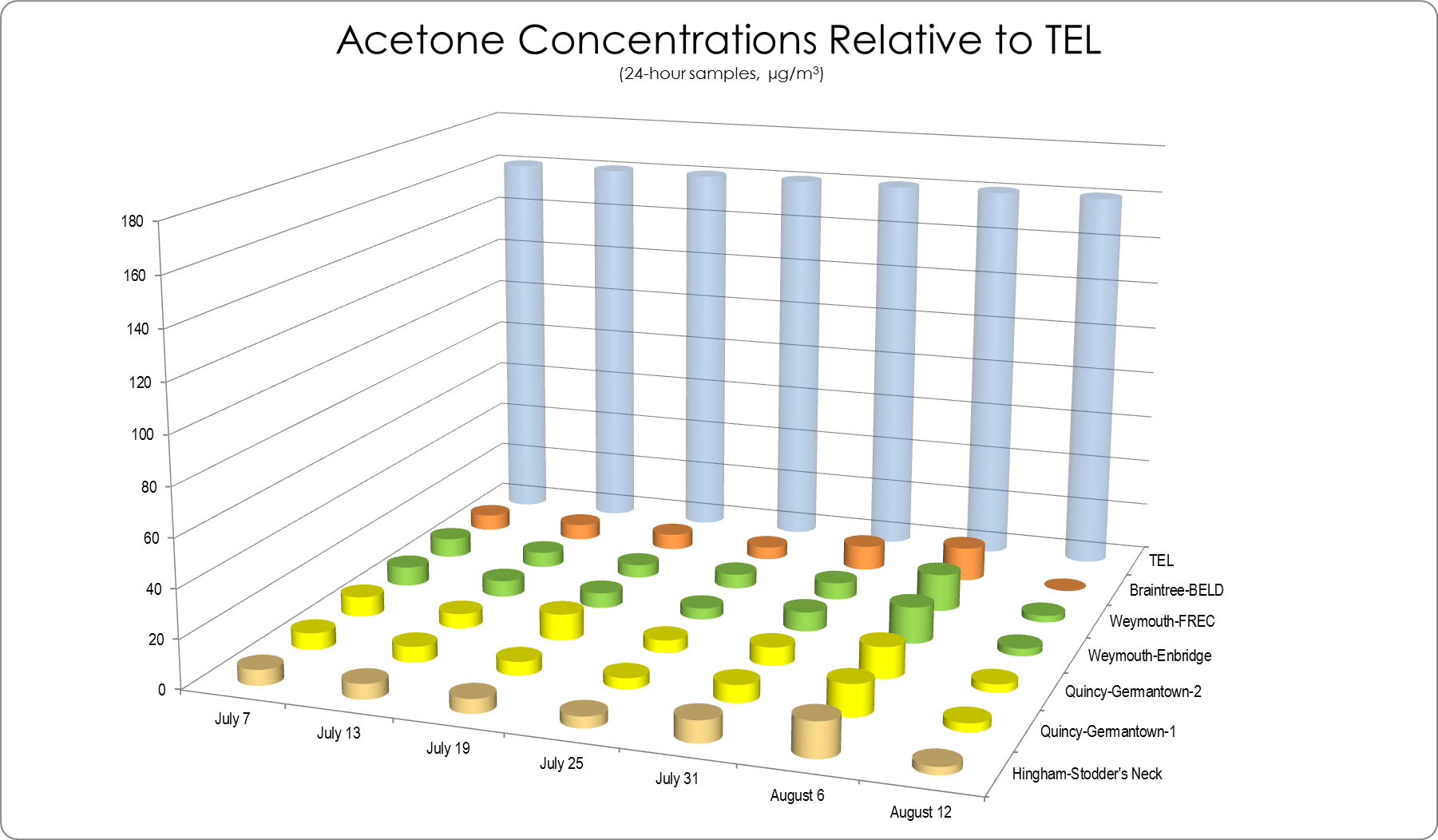


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Acetone Concentrations from Canister Samples relative to TEL

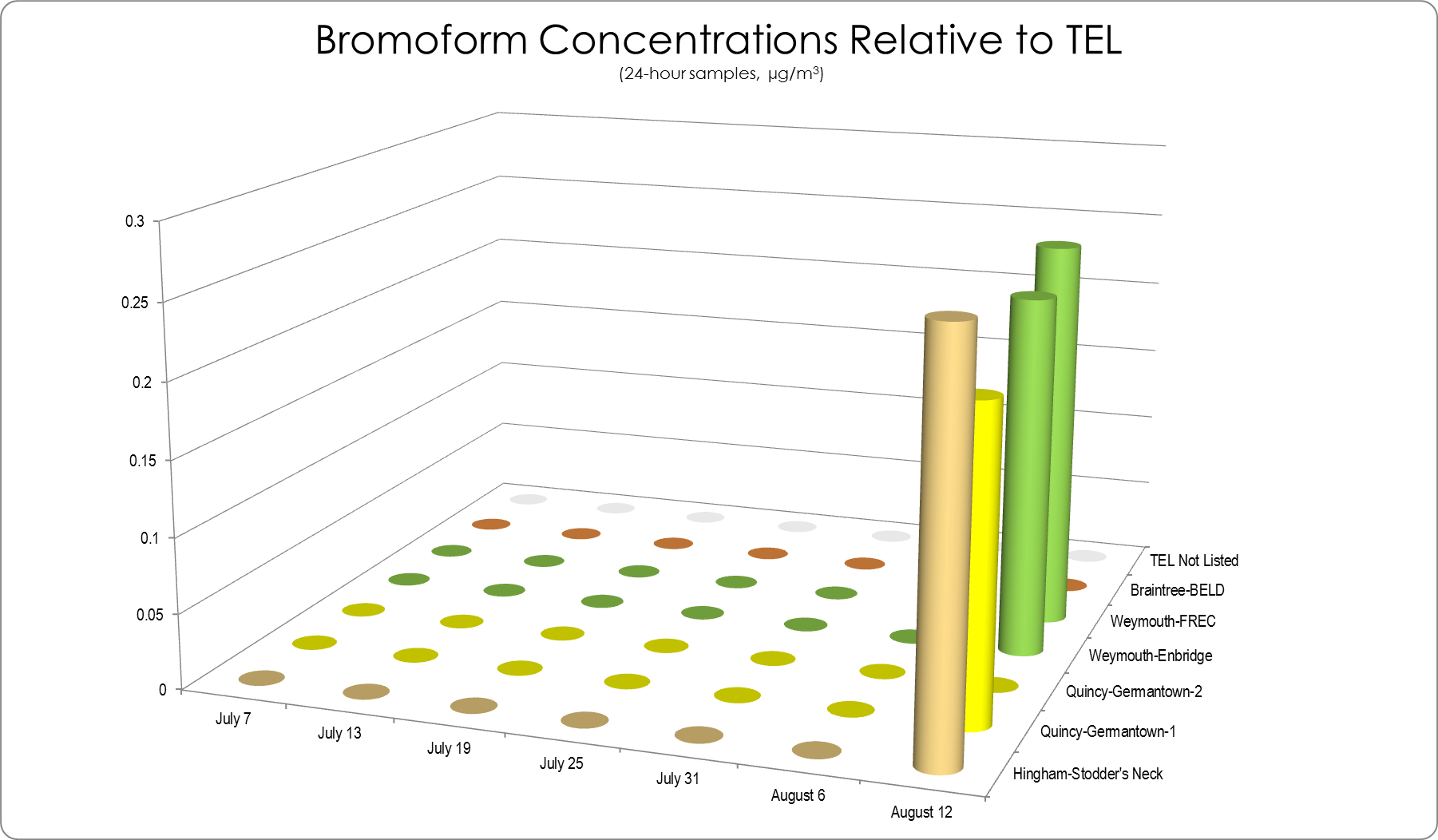


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Bromoform Concentrations from Canister Samples relative to TEL

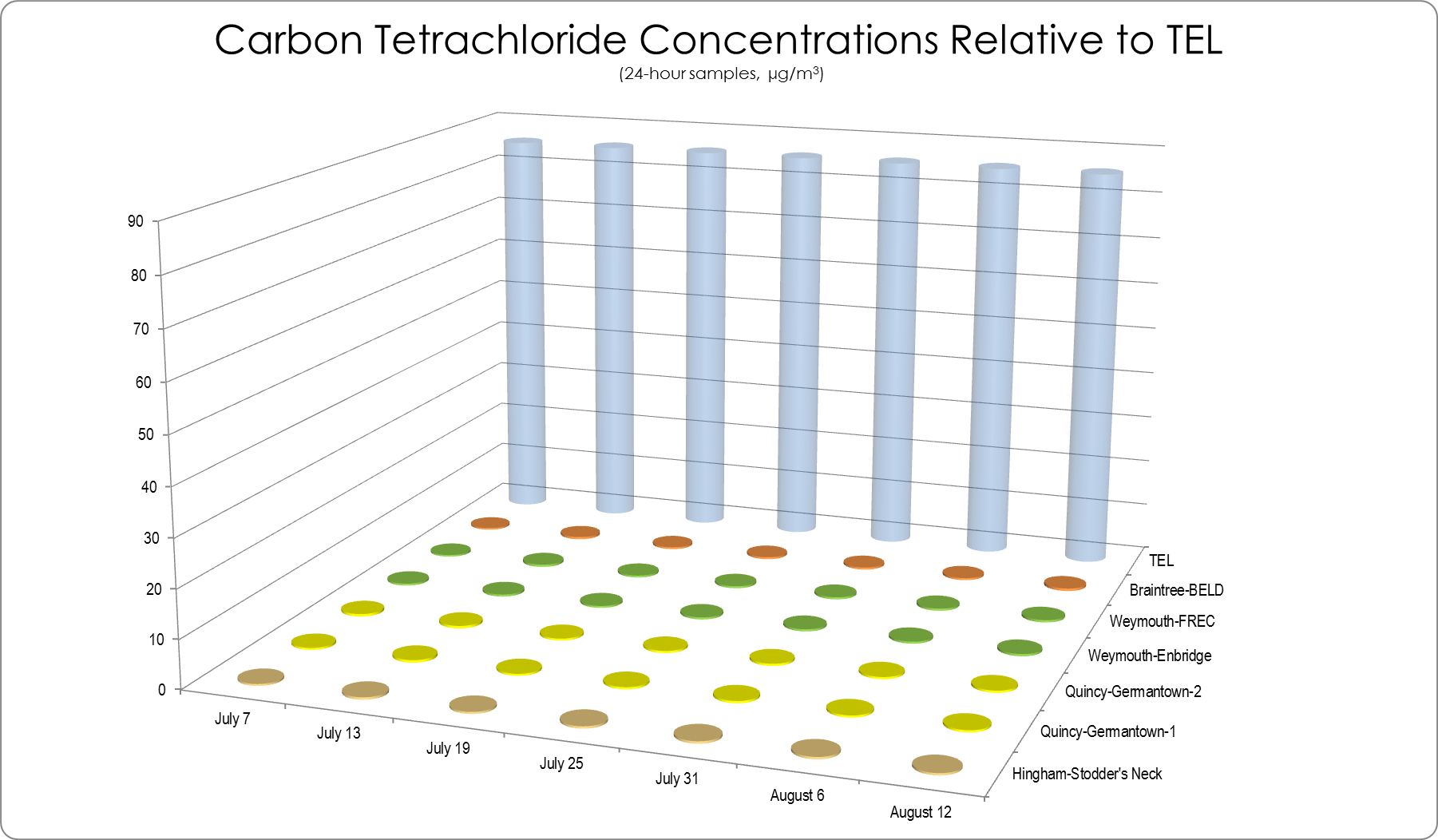


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Carbon Tetrachloride Concentrations from Canister Samples relative to TEL

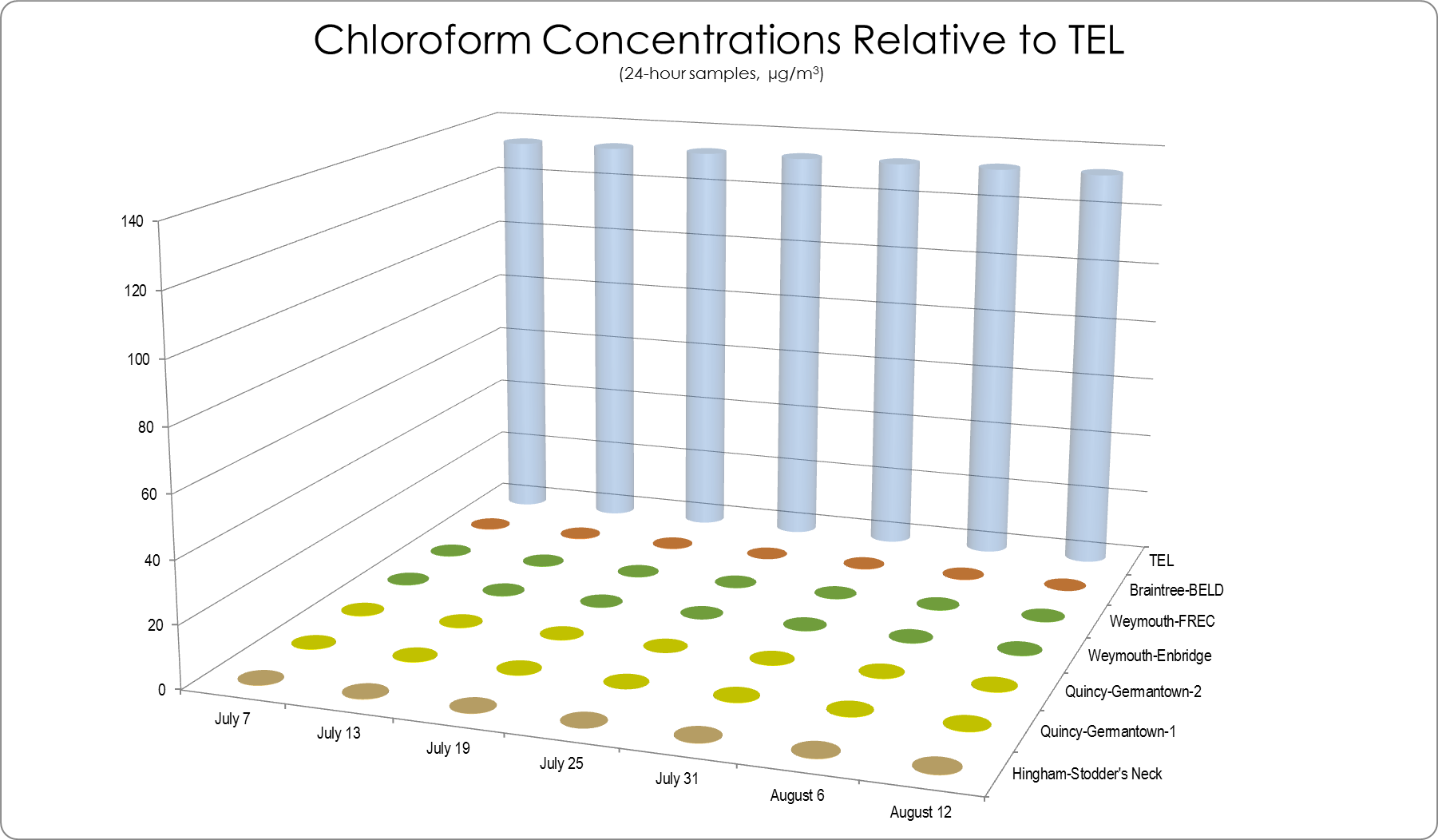


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Chloroform Concentrations from Canister Samples relative to TEL



TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Methylene Concentrations from Canister Samples relative to TEL

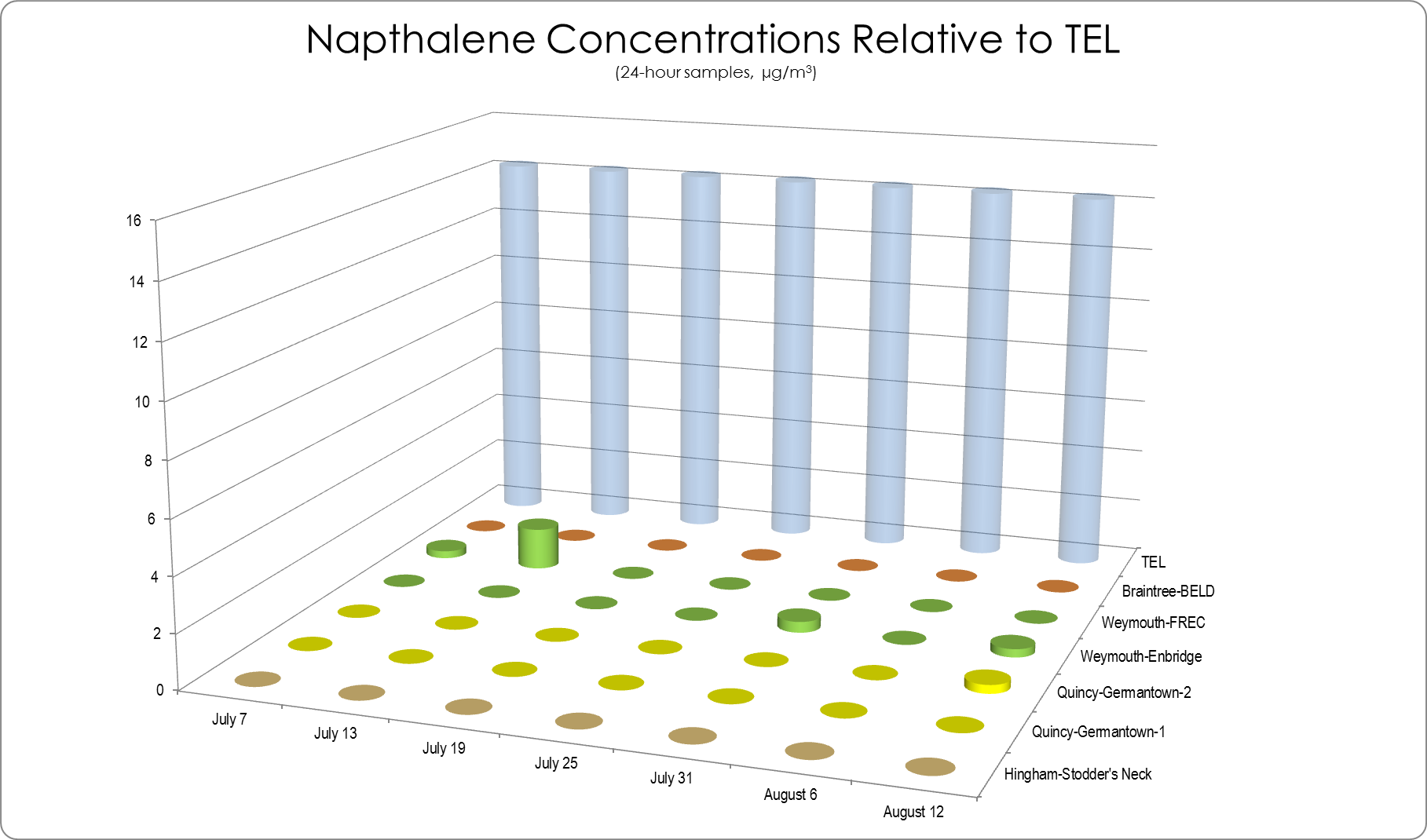


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Naphthalene Concentrations from Canister Samples relative to TEL

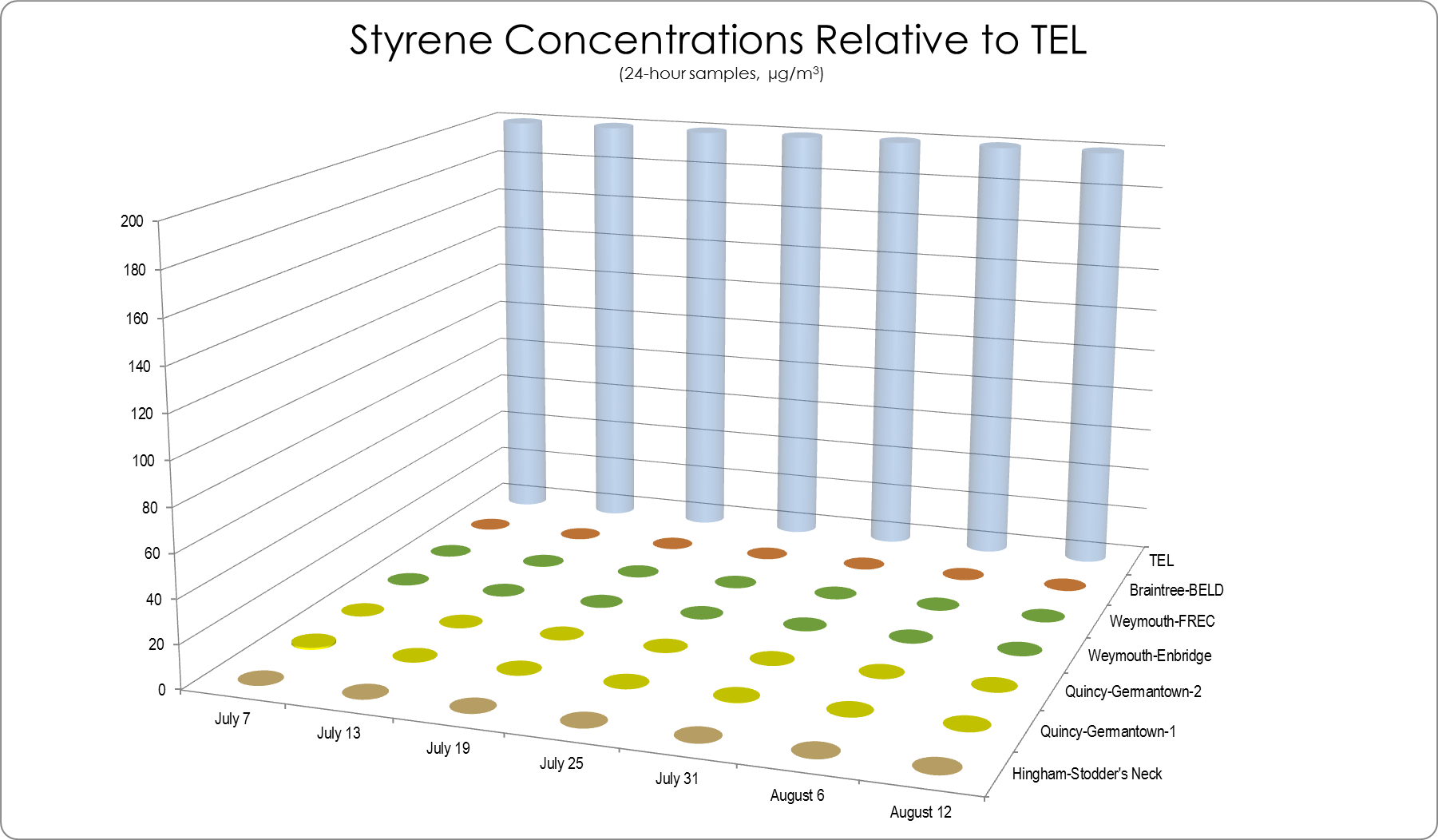


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Styrene Concentrations from Canister Samples relative to TEL

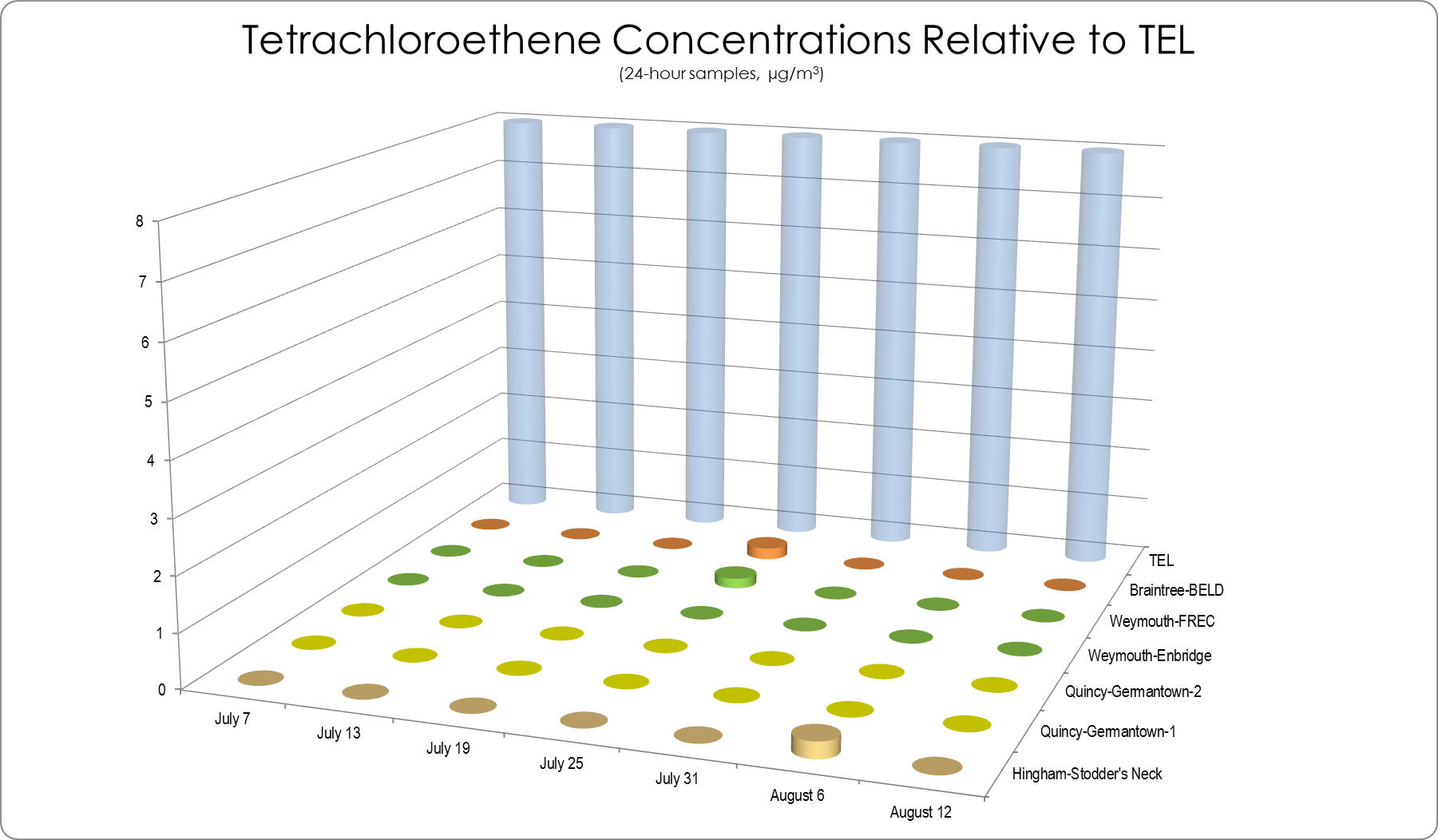


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

Tetrachloroethane Concentrations from Canister Samples relative to TEL

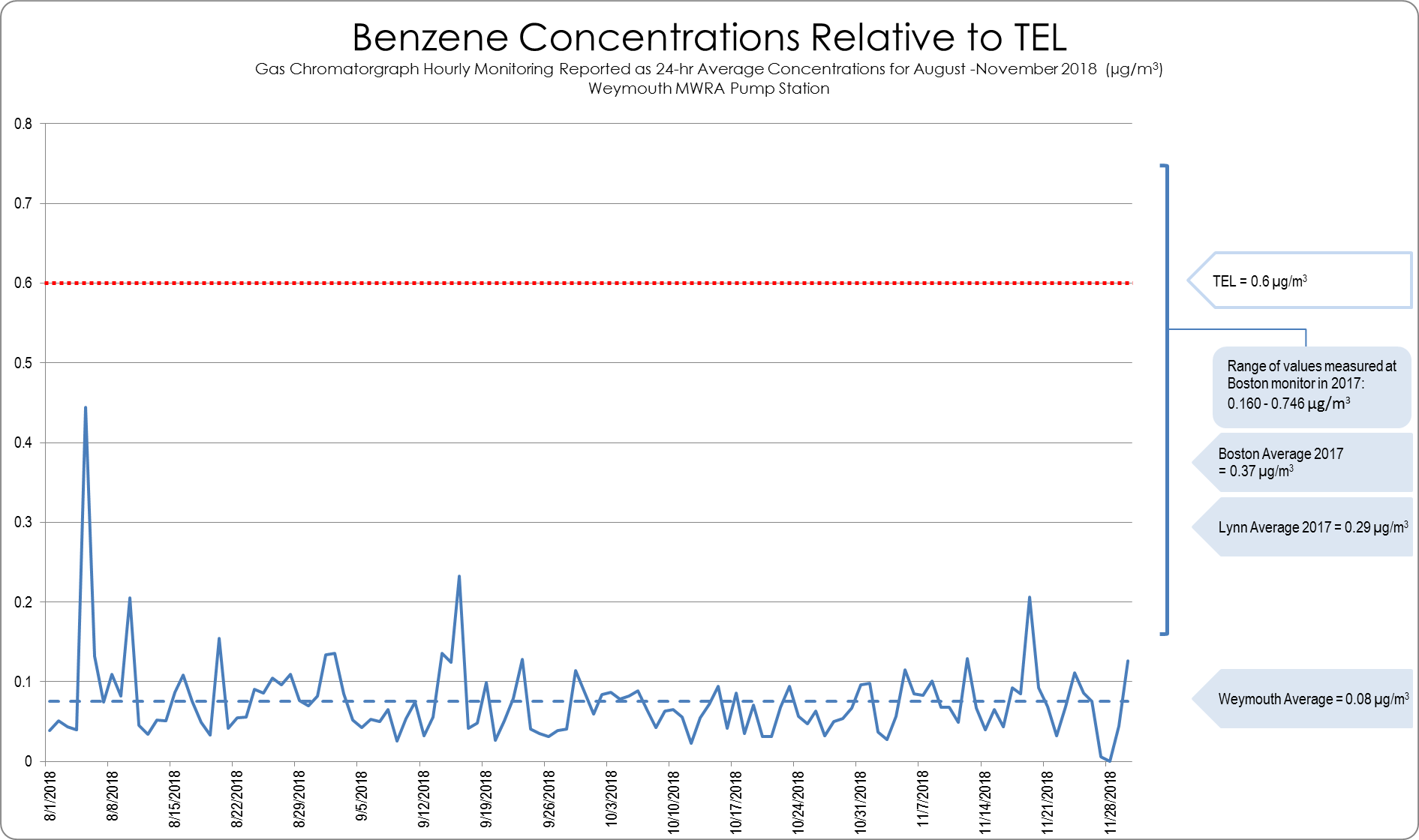


TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

0 = Not detected at the reporting limit

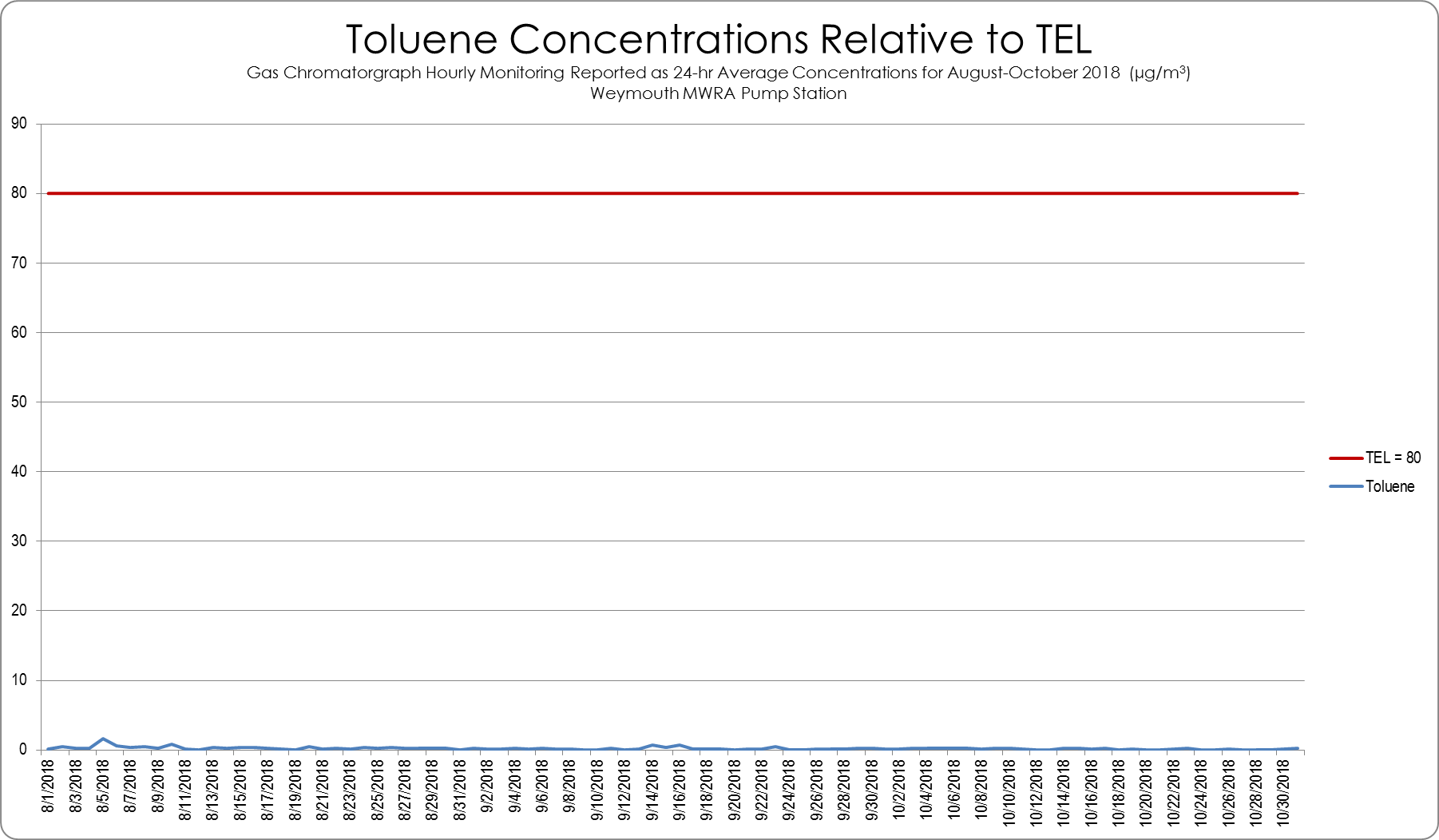
Benzene Concentrations from Air Monitoring at MWRA Pump Station



TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

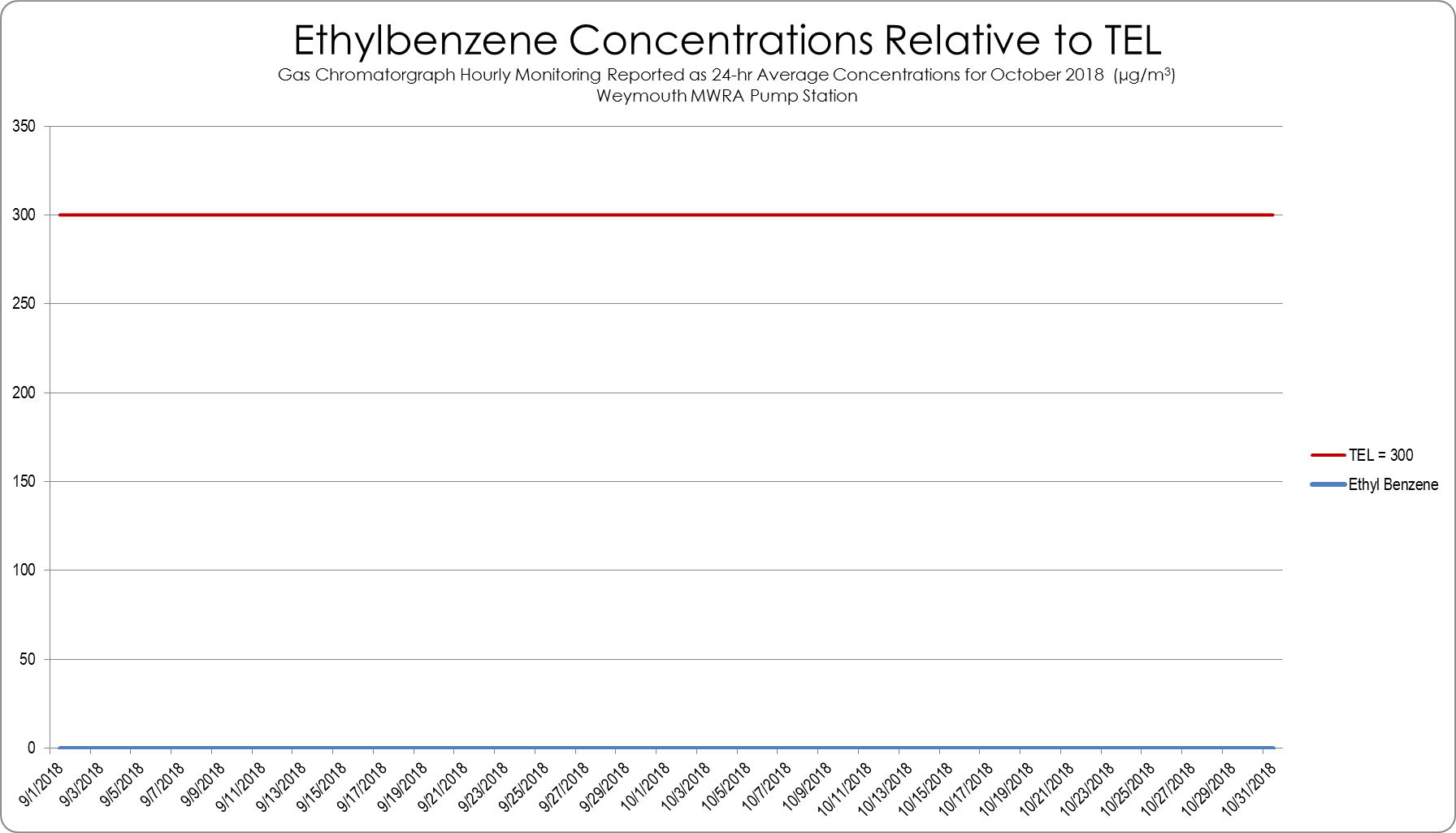
Toluene Concentrations from Air Monitoring at MWRA Pump Station



TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

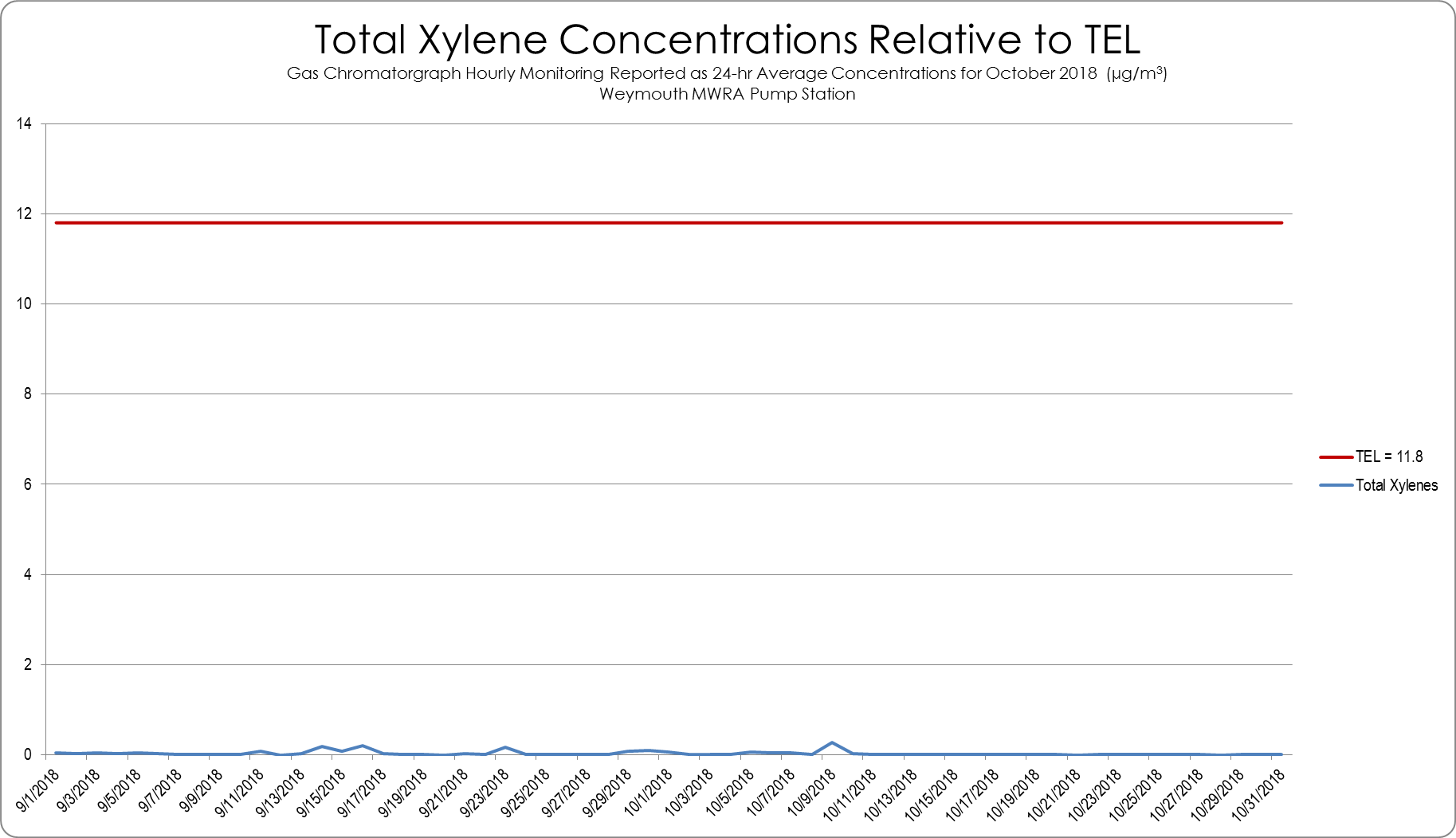
Ethylbenzene Concentrations from Air Monitoring at MWRA Pump Station



TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

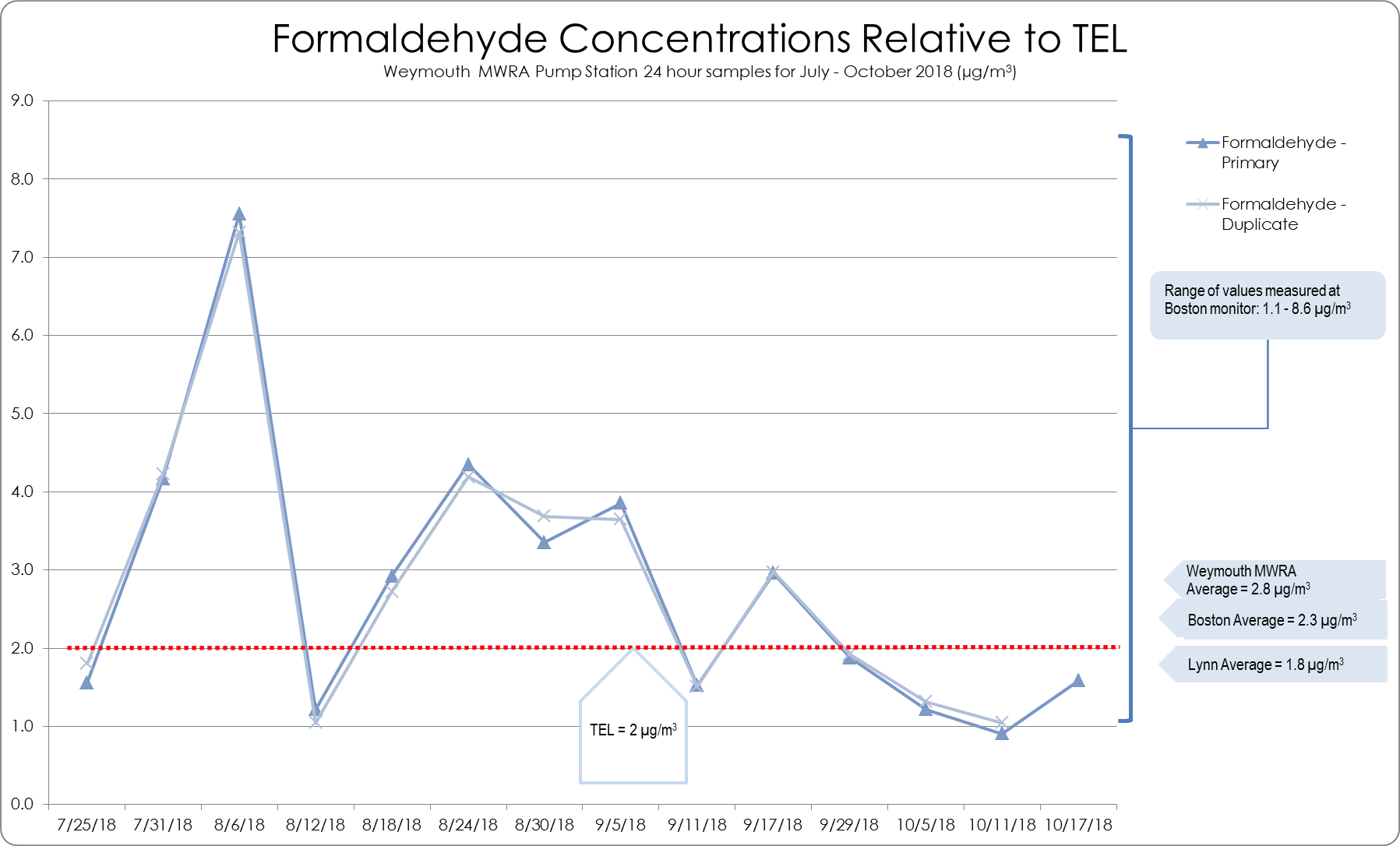
Total Xylene Concentrations from Air Monitoring at MWRA Pump Station



TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

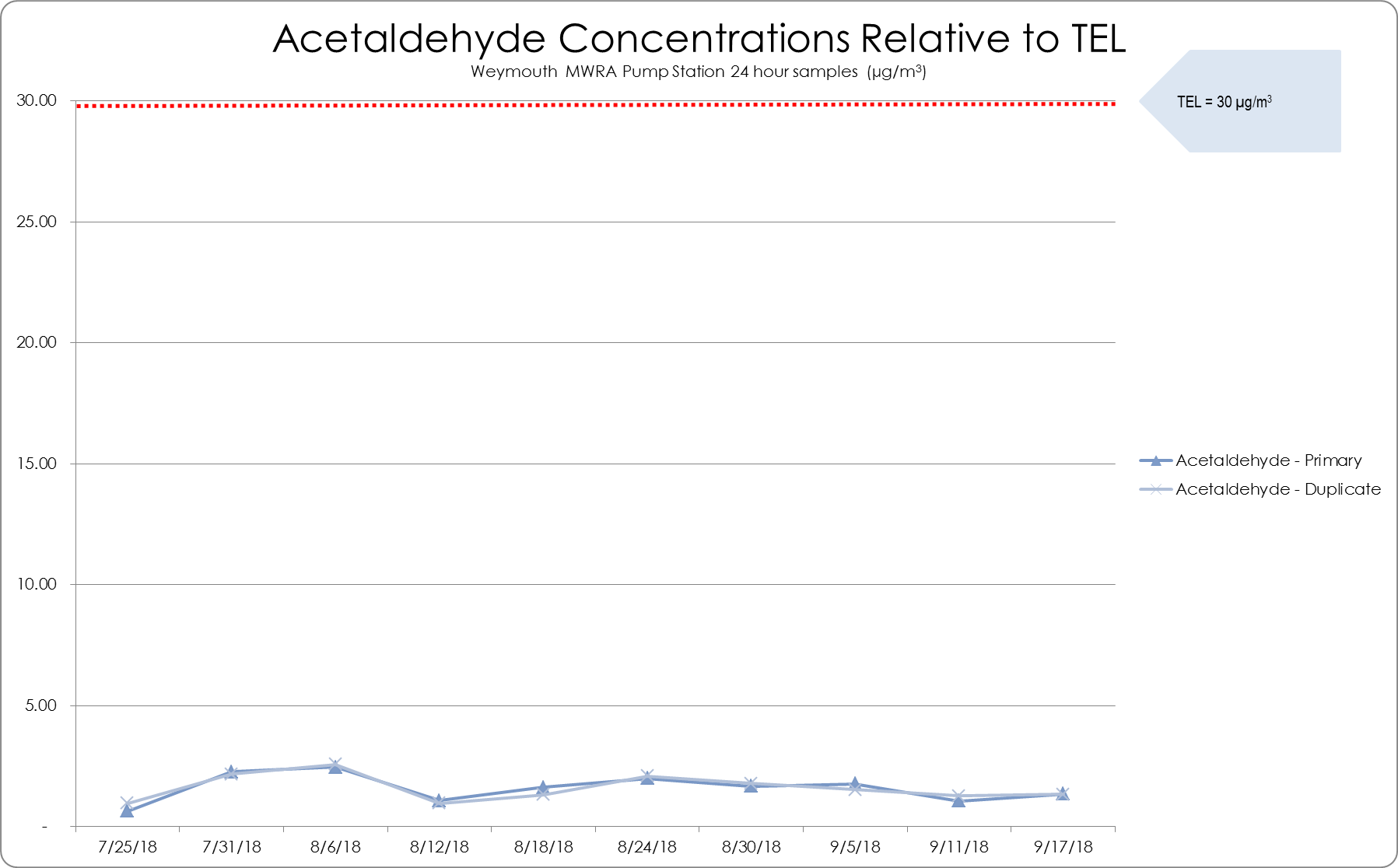
Formaldehyde 24-hr Concentrations from Air Monitoring at MWRA Pump Station



TEL = Threshold Effects Exposure Limit (24-Hour Average)

µg/m3 = micrograms per cubic meter

Acetaldehyde 24-hr Concentrations from Air Monitoring at MWRA Pump Station



TEL = Threshold Effects Exposure Limit (24-Hour Average)

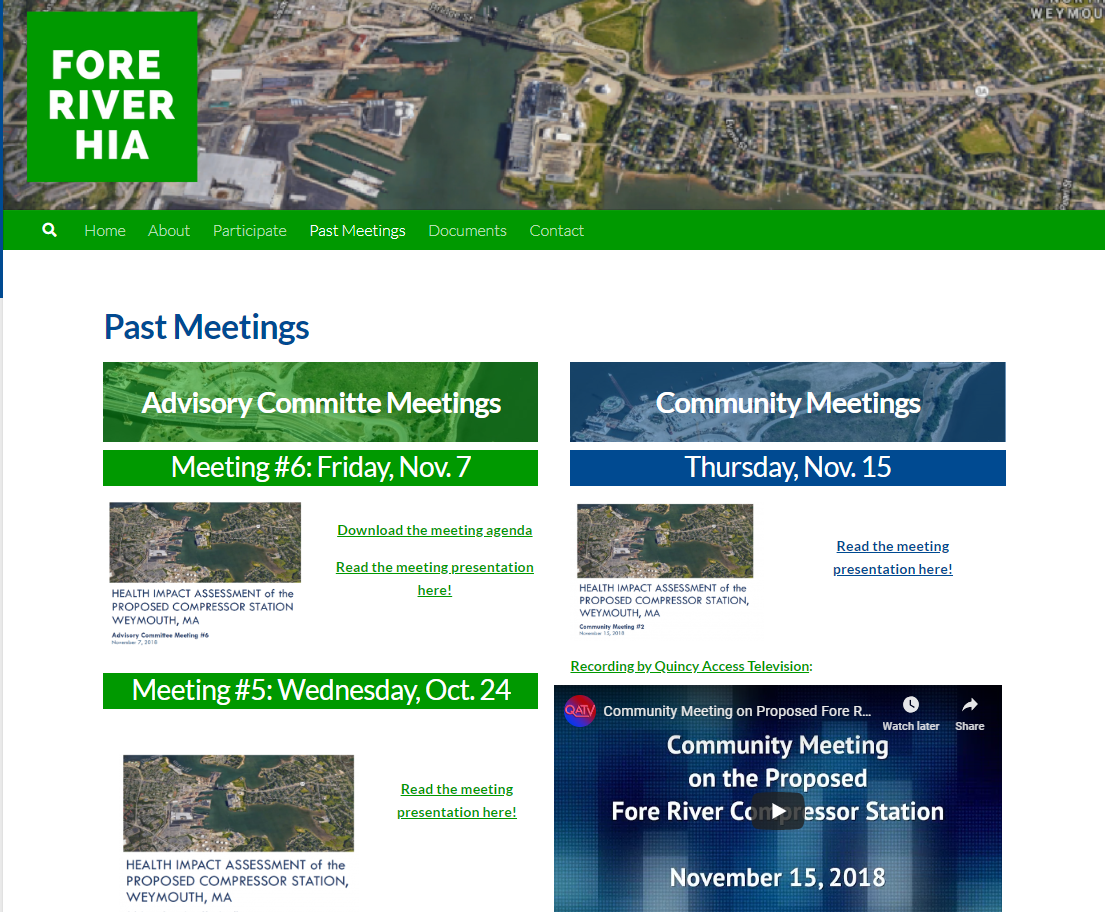
µg/m3 = micrograms per cubic meter

# Appendix F. Real Estate Sales Price History 2015-2017 for Municipalities and Focus Area

| **Municipality** | **Sale Year** | **Residential Type** | **Average Price** | **Median Price** |
| --- | --- | --- | --- | --- |
| Braintree | 2015 | 2 Family Residence | $ 469,495.00 | $ 452,000.00 |
| Braintree | 2016 | 2 Family Residence | $ 487,869.00 | $ 490,500.00 |
| Braintree | 2017 | 2 Family Residence | $ 511,667.00 | $ 490,000.00 |
| Braintree | 2015 | 3 Family Residence | $ 612,900.00 | $ 612,900.00 |
| Braintree | 2016 | 3 Family Residence | $ 543,333.00 | $ 500,000.00 |
| Braintree | 2017 | 3 Family Residence | $ 295,000.00 | $ 295,000.00 |
| Braintree | 2015 | Condominium | $ 328,164.00 | $ 310,000.00 |
| Braintree | 2016 | Condominium | $ 312,908.00 | $ 295,000.00 |
| Braintree | 2017 | Condominium | $ 368,318.00 | $ 328,450.00 |
| Braintree | 2015 | Single Family Residence | $ 409,636.00 | $ 385,000.00 |
| Braintree | 2016 | Single Family Residence | $ 457,799.00 | $ 424,167.00 |
| Braintree | 2017 | Single Family Residence | $ 481,868.00 | $ 455,000.00 |
| Hingham | 2015 | 2 Family Residence | $ 761,537.00 | $ 485,000.00 |
| Hingham | 2016 | 2 Family Residence | $ 542,500.00 | $ 529,500.00 |
| Hingham | 2017 | 2 Family Residence | $ 635,000.00 | $ 635,000.00 |
| Hingham | 2017 | 3 Family Residence | $ 517,500.00 | $ 517,500.00 |
| Hingham | 2015 | Condominium | $ 643,657.00 | $ 643,400.00 |
| Hingham | 2016 | Condominium | $ 546,955.00 | $ 340,000.00 |
| Hingham | 2017 | Condominium | $ 676,102.00 | $ 439,950.00 |
| Hingham | 2015 | Single Family Residence | $ 812,419.00 | $ 718,500.00 |
| Hingham | 2016 | Single Family Residence | $ 838,658.00 | $ 732,000.00 |
| Hingham | 2017 | Single Family Residence | $ 948,407.00 | $ 775,000.00 |
| Quincy | 2015 | 2 Family Residence | $ 489,353.00 | $ 481,750.00 |
| Quincy | 2016 | 2 Family Residence | $ 529,755.00 | $ 540,000.00 |
| Quincy | 2017 | 2 Family Residence | $ 573,938.00 | $ 565,000.00 |
| Quincy | 2015 | 3 Family Residence | $ 617,850.00 | $ 630,000.00 |
| Quincy | 2016 | 3 Family Residence | $ 619,536.00 | $ 626,000.00 |
| Quincy | 2017 | 3 Family Residence | $ 666,424.00 | $ 630,000.00 |
| Quincy | 2015 | Condominium | $ 1,650,550.00 | $ 306,000.00 |
| Quincy | 2016 | Condominium | $ 326,183.00 | $ 298,000.00 |
| Quincy | 2017 | Condominium | $ 335,296.00 | $ 300,000.00 |
| Quincy | 2015 | Single Family Residence | $ 386,607.00 | $ 382,000.00 |
| Quincy | 2016 | Single Family Residence | $ 418,554.00 | $ 406,000.00 |
| Quincy | 2017 | Single Family Residence | $ 447,470.00 | $ 435,800.00 |
| Weymouth | 2015 | 2 Family Residence | $ 369,321.00 | $ 356,500.00 |
| Weymouth | 2016 | 2 Family Residence | $ 407,164.00 | $ 402,000.00 |
| Weymouth | 2017 | 2 Family Residence | $ 675,471.00 | $ 463,500.00 |
| Weymouth | 2015 | 3 Family Residence | $ 412,000.00 | $ 402,000.00 |
| Weymouth | 2016 | 3 Family Residence | $ 393,425.00 | $ 385,000.00 |
| Weymouth | 2017 | 3 Family Residence | $ 490,067.00 | $ 495,000.00 |
| Weymouth | 2015 | Condominium | $ 216,685.00 | $ 200,000.00 |
| Weymouth | 2016 | Condominium | $ 215,659.00 | $ 204,950.00 |
| Weymouth | 2017 | Condominium | $ 238,900.00 | $ 220,000.00 |
| Weymouth | 2015 | Single Family Residence | $ 329,415.00 | $ 325,000.00 |
| Weymouth | 2016 | Single Family Residence | $ 347,863.00 | $ 344,475.00 |
| Weymouth | 2017 | Single Family Residence | $ 387,387.00 | $ 377,000.00 |

# Appendix G. Community Engagement

A listing of meeting held and materials and information shared during the engagement process can be found on the project website: [www.foreriverhia.com](http://www.foreriverhia.com).



1. *Modified from the UCLA Health Impact Assessment Clearinghouse:* [*http://www.ph.ucla.edu/hs/health-impact/*](http://www.ph.ucla.edu/hs/health-impact/) [↑](#footnote-ref-1)