

Age Adjusted Rates of Hospital Admission for Asthma per 10,000 People,
for Males and Females Combined for 2000 - 2015 by Community

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	
2001	36	10.6	10.6	7.1 - 14.1	Not statistically significantly different	
2002	39	11.4	10.8	7.4 - 14.2	Not statistically significantly different	
2003	43	12.5	12.7	8.9 - 16.5	Not statistically significantly different	
2004	49	14.2	13.4	9.6 - 17.1	Not statistically significantly different	
2005	32	9.2	8.3	5.4 - 11.2	Statistically significantly lower	
2006	45	12.9	11.7	8.3 - 15.2	Not statistically significantly different	
2007	53	15.1	14.3	10.4 - 18.1	Not statistically significantly different	
2008	46	13.0	12.5	8.9 - 16.1	Not statistically significantly different	
2009	59	16.6	15.2	11.3 - 19.0	Not statistically significantly different	
2010	52	14.6	14.2	10.3 - 18.0	Not statistically significantly different	
2011	70	19.3	19.0	14.6 - 23.5	Not statistically significantly different	
2012	37	10.1	9.4	6.4 - 12.5	Statistically significantly lower	
2013	42	11.3	11.2	7.8 - 14.6	Not statistically significantly different	
2014	42	11.1	11.4	8.0 - 14.9	Not statistically significantly different	
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	

Hingham

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	NS	NS	NS	NS	NS	
2001	21	10.4	9.2	5.3 - 13.1	Not statistically significantly different	
2002	14	6.9	6.6	3.1 - 10.0	Statistically significantly lower	
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	
2005	24	11.4	9.5	5.7 - 13.3	Statistically significantly lower	
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	
2008	22	10.1	8.6	5.0 - 12.2	Statistically significantly lower	
2009	16	7.3	6.1	3.1 - 9.1	Statistically significantly lower	
2010	27	12.2	9.1	5.7 - 12.6	Statistically significantly lower	
2011	22	9.8	9.4	5.5 - 13.4	Statistically significantly lower	
2012	13	5.8	4.9	2.2 - 7.6	Statistically significantly lower	
2013	18	7.9	6.0	3.2 - 8.7	Statistically significantly lower	
2014	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	

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	
2001	117	13.2	13.4	10.9 - 15.8	Not statistically significantly different	
2002	104	11.7	12.1	9.8 - 14.5	Not statistically significantly different	
2003	136	15.2	15.7	13.0 - 18.3	Not statistically significantly different	

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2004	108	12.0	12.1	9.8 - 14.3	Not statistically significantly different	
2005	131	14.5	14.5	12.0 - 17.0	Not statistically significantly different	
2006	141	15.6	16.0	13.3 - 18.6	Not statistically significantly different	
2007	105	11.5	11.4	9.2 - 13.5	Statistically significantly lower	
2008	121	13.2	13.1	10.7 - 15.4	Statistically significantly lower	
2009	123	13.4	13.9	11.4 - 16.3	Not statistically significantly different	
2010	114	12.4	12.4	10.1 - 14.7	Statistically significantly lower	
2011	119	12.7	12.3	10.1 - 14.5	Statistically significantly lower	
2012	89	9.4	9.7	7.7 - 11.8	Statistically significantly lower	
2013	82	8.6	8.5	6.7 - 10.3	Statistically significantly lower	
2014	104	10.7	10.4	8.4 - 12.4	Not statistically significantly different	
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	

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	
2001	67	12.4	12.0	9.2 - 14.9	Not statistically significantly different	
2002	70	13.0	13.1	10.0 - 16.1	Not statistically significantly different	
2003	77	14.3	14.0	10.9 - 17.1	Not statistically significantly different	
2004	71	13.2	12.7	9.7 - 15.6	Not statistically significantly different	
2005	86	16.0	15.6	12.3 - 18.9	Not statistically significantly different	
2006	75	13.9	13.9	10.8 - 17.0	Not statistically significantly different	
2007	70	13.0	13.1	10.1 - 16.2	Not statistically significantly different	
2008	110	20.5	21.1	17.2 - 25.1	Statistically significantly higher	
2009	100	18.6	18.2	14.7 - 21.8	Not statistically significantly different	
2010	101	18.8	19.6	15.8 - 23.4	Not statistically significantly different	
2011	89	16.4	17.3	13.7 - 20.9	Not statistically significantly different	
2012	89	16.3	16.5	13.1 - 19.9	Not statistically significantly different	
2013	73	13.3	13.0	10.0 - 16.0	Not statistically significantly different	
2014	92	16.7	16.0	12.7 - 19.3	Statistically significantly higher	
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	

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

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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 Statistics (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.

Age Adjusted Rates of Emergency Department Visits for Asthma per 10,000 People,
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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	
2003	165	48.0	52.3	44.3 - 60.3	Statistically significantly lower	
2004	176	50.9	54.3	46.3 - 62.4	Statistically significantly lower	
2005	173	49.7	53.1	45.2 - 61.0	Statistically significantly lower	
2006	153	43.7	47.3	39.8 - 54.8	Statistically significantly lower	
2007	132	37.5	39.3	32.6 - 46.0	Statistically significantly lower	
2008	127	35.9	38.4	31.7 - 45.0	Statistically significantly lower	
2009	181	50.9	53.8	45.9 - 61.6	Statistically significantly lower	
2010	134	37.5	39.2	32.6 - 45.9	Statistically significantly lower	
2011	185	51.0	53.0	45.4 - 60.7	Statistically significantly lower	
2012	162	44.0	47.0	39.7 - 54.2	Statistically significantly lower	
2013	169	45.3	49.6	42.1 - 57.0	Statistically significantly lower	
2014	201	53.3	58.3	50.3 - 66.4	Statistically significantly lower	
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	

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	
2003	55	26.7	30.3	22.3 - 38.3	Statistically significantly lower	
2004	66	31.7	31.9	24.2 - 39.6	Statistically significantly lower	
2005	71	33.8	33.8	25.9 - 41.7	Statistically significantly lower	
2006	35	16.5	18.7	12.5 - 24.9	Statistically significantly lower	
2007	60	27.9	31.1	23.2 - 39.0	Statistically significantly lower	
2008	50	23.0	23.4	16.9 - 29.9	Statistically significantly lower	
2009	51	23.3	26.5	19.2 - 33.8	Statistically significantly lower	
2010	55	24.8	26.0	19.1 - 32.9	Statistically significantly lower	
2011	49	21.9	23.1	16.6 - 29.5	Statistically significantly lower	
2012	46	20.4	22.3	15.9 - 28.8	Statistically significantly lower	
2013	51	22.4	22.9	16.6 - 29.2	Statistically significantly lower	
2014	41	17.9	18.7	13.00- 24.5	Statistically significantly lower	
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	

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	
2003	533	59.7	64.6	59.1 - 70.1	Statistically significantly lower	
2004	529	59.0	63.6	58.2 - 69.0	Statistically significantly lower	
2005	522	57.9	61.9	56.6 - 67.2	Statistically significantly lower	
2006	567	62.6	66.4	61.0 - 71.9	Statistically significantly lower	
2007	500	54.9	57.5	52.5 - 62.5	Statistically significantly lower	
2008	504	55.1	57.8	52.7 - 62.8	Statistically significantly lower	
2009	503	54.8	58.6	53.5 - 63.7	Statistically significantly lower	
2010	472	51.2	54.3	49.4 - 59.2	Statistically significantly lower	

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2011	478	51.1	53.9	49.1 - 58.7	Statistically significantly lower	
2012	484	51.1	55.1	50.2 - 60.0	Statistically significantly lower	
2013	458	47.8	50.9	46.3 - 55.6	Statistically significantly lower	
2014	498	51.4	55.8	50.9 - 60.7	Statistically significantly lower	
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	

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	
2003	249	46.2	47.7	41.8 - 53.7	Statistically significantly lower	
2004	299	55.5	58.1	51.5 - 64.7	Statistically significantly lower	
2005	350	65.0	68.8	61.6 - 76.0	Not statistically significantly different	
2006	275	51.1	54.7	48.2 - 61.1	Statistically significantly lower	
2007	265	49.2	53.5	47.0 - 59.9	Statistically significantly lower	
2008	342	63.6	68.5	61.3 - 75.8	Statistically significantly lower	
2009	344	64.0	68.2	61.0 - 75.4	Statistically significantly lower	
2010	341	63.4	69.4	62.0 - 76.7	Not statistically significantly different	
2011	324	59.7	65.7	58.6 - 72.9	Not statistically significantly different	
2012	348	63.7	68.9	61.6 - 76.1	Not statistically significantly different	
2013	354	64.3	70.1	62.8 - 77.4	Not statistically significantly different	
2014	406	73.5	80.1	72.3 - 87.9	Statistically significantly higher	
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	

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 - 67.2
Statewide - Annual Average	46,195	70.4	73.3	73.1 - 73.4

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Age Adjusted Rates of Hospital Admission for COPD per 10,000 People,
for Males and Females Combined for 2000 - 2015 by Community

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	
2001	112	46.4	37.2	30.3 - 44.1	Not statistically significantly different	
2002	96	39.5	32.3	25.8 - 38.7	Not statistically significantly different	
2003	109	44.7	35.6	28.9 - 42.2	Not statistically significantly different	
2004	117	47.7	37.8	30.9 - 44.6	Statistically significantly higher	
2005	110	44.6	35.5	28.9 - 42.1	Statistically significantly higher	
2006	90	36.3	28.3	22.5 - 34.2	Not statistically significantly different	
2007	107	43.0	34.5	28.0 - 41.1	Statistically significantly higher	
2008	127	50.8	41.1	33.9 - 48.2	Statistically significantly higher	
2009	130	51.7	40.5	33.5 - 47.4	Statistically significantly higher	
2010	125	49.5	40.4	33.3 - 47.5	Statistically significantly higher	
2011	139	54.3	43.9	36.6 - 51.2	Statistically significantly higher	
2012	123	47.4	36.6	30.1 - 43.1	Not statistically significantly different	
2013	94	35.8	29.0	23.2 - 34.9	Not statistically significantly different	
2014	92	34.7	28.9	23.0 - 34.9	Not statistically significantly different	
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	

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	
2001	44	32.2	28.3	19.9 - 36.6	Not statistically significantly different	
2002	36	26.0	22.4	15.1 - 29.7	Not statistically significantly different	
2003	32	22.8	19.1	12.5 - 25.7	Statistically significantly lower	
2004	28	19.7	14.4	9.0 - 19.7	Statistically significantly lower	
2005	41	28.6	20.6	14.3 - 26.9	Statistically significantly lower	
2006	29	20.0	15.8	10.0 - 21.5	Statistically significantly lower	
2007	22	15.0	10.1	5.9 - 14.3	Statistically significantly lower	
2008	53	35.7	19.6	14.3 - 24.8	Statistically significantly lower	
2009	47	31.3	20.0	14.3 - 25.7	Statistically significantly lower	
2010	44	28.9	18.5	13.1 - 24.0	Statistically significantly lower	
2011	49	31.9	19.4	13.9 - 24.8	Statistically significantly lower	
2012	38	24.5	15.4	10.5 - 20.2	Statistically significantly lower	
2013	41	26.1	15.2	10.5 - 19.8	Statistically significantly lower	
2014	33	20.8	12.5	8.2 - 16.7	Statistically significantly lower	
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	

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	
2001	304	46.1	43.5	38.6 - 48.4	Statistically significantly higher	
2002	256	38.7	36.4	32.0 - 40.9	Statistically significantly higher	
2003	302	45.4	42.3	37.5 - 47.0	Statistically significantly higher	
2004	345	51.6	48.6	43.5 - 53.7	Statistically significantly higher	

Age Adjusted Rates of Hospital Admission for COPD per 10,000 People,
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2005	340	50.6	47.7	42.7 - 52.8	Statistically significantly higher	
2006	282	41.7	40.3	35.6 - 45.0	Statistically significantly higher	
2007	286	42.1	40.1	35.4 - 44.7	Statistically significantly higher	
2008	353	51.7	49.0	43.9 - 54.1	Statistically significantly higher	
2009	352	51.3	48.7	43.7 - 53.8	Statistically significantly higher	
2010	304	44.1	41.3	36.6 - 45.9	Statistically significantly higher	
2011	299	42.7	39.8	35.3 - 44.3	Statistically significantly higher	
2012	259	36.5	34.8	30.6 - 39.1	Statistically significantly higher	
2013	220	30.6	28.4	24.7 - 32.2	Not statistically significantly different	
2014	224	30.8	28.4	24.7 - 32.1	Not statistically significantly different	
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	

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	
2001	176	45.6	42.3	36.1 - 48.6	Statistically significantly higher	
2002	164	42.5	39.5	33.4 - 45.5	Statistically significantly higher	
2003	194	50.2	46.5	40.0 - 53.1	Statistically significantly higher	
2004	166	43.0	39.2	33.2 - 45.1	Statistically significantly higher	
2005	175	45.3	41.4	35.3 - 47.6	Statistically significantly higher	
2006	149	38.6	34.8	29.2 - 40.3	Statistically significantly higher	
2007	157	40.6	37.1	31.3 - 42.9	Statistically significantly higher	
2008	228	58.9	53.0	46.1 - 59.8	Statistically significantly higher	
2009	208	53.8	47.7	41.3 - 54.2	Statistically significantly higher	
2010	216	55.8	49.1	42.5 - 55.6	Statistically significantly higher	
2011	205	52.4	45.3	39.1 - 51.5	Statistically significantly higher	
2012	215	54.5	47.7	41.3 - 54.1	Statistically significantly higher	
2013	226	56.8	48.2	41.9 - 54.5	Statistically significantly higher	
2014	273	68.2	56.0	49.3 - 62.6	Statistically significantly higher	
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	

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

Age Adjusted Rates of Hospital Admission for COPD per 10,000 People,
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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.
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- 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report.
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- 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.

Age Adjusted Rates of Emergency Department Visits for COPD per 10,000 People,
for Males and Females Combined for 2002 - 2015 by Community

Braintree

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	174	71.7	62.6	53.3 - 71.9	Not statistically significantly different	
2003	158	64.8	55.3	46.7 - 64.0	Statistically significantly lower	
2004	193	78.7	68.7	59.0 - 78.4	Not statistically significantly different	
2005	191	77.5	68.0	58.4 - 77.7	Not statistically significantly different	
2006	149	60.2	51.0	42.8 - 59.2	Statistically significantly lower	
2007	166	66.7	56.4	47.8 - 64.9	Not statistically significantly different	
2008	191	76.4	66.4	57.0 - 75.8	Not statistically significantly different	
2009	208	82.8	69.6	60.2 - 79.1	Not statistically significantly different	
2010	206	81.6	70.9	61.2 - 80.6	Not statistically significantly different	
2011	221	86.4	72.8	63.2 - 82.4	Not statistically significantly different	
2012	199	76.7	63.3	54.5 - 72.1	Not statistically significantly different	
2013	192	73.1	64.2	55.1 - 73.3	Not statistically significantly different	
2014	165	62.2	54.4	46.1 - 62.7	Not statistically significantly different	
2015	197	73.8	61.6	53.0 - 70.2	Not statistically significantly different	
Braintree - Annual Average	186	73.8	63.2	60.8 - 65.7	Statistically significantly lower	

Hingham

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	71	51.3	46.4	35.6 - 57.2	Statistically significantly lower	
2003	60	42.8	37.6	28.1 - 47.1	Statistically significantly lower	
2004	69	48.6	41.7	31.9 - 51.6	Statistically significantly lower	
2005	81	56.4	45.0	35.2 - 54.8	Statistically significantly lower	
2006	58	40.0	33.7	25.0 - 42.4	Statistically significantly lower	
2007	50	34.0	26.6	19.3 - 34.0	Statistically significantly lower	
2008	93	62.6	45.3	36.1 - 54.5	Statistically significantly lower	
2009	80	53.2	40.6	31.7 - 49.5	Statistically significantly lower	
2010	87	57.2	44.5	35. - 53.9	Statistically significantly lower	
2011	80	52.0	36.7	28.7 - 44.7	Statistically significantly lower	
2012	72	46.4	33.2	25.5 - 40.8	Statistically significantly lower	
2013	69	43.9	26.8	20. - 33.1	Statistically significantly lower	
2014	58	36.5	27.2	20.2 - 34.2	Statistically significantly lower	
2015	74	46.1	29.4	22.7 - 36.0	Statistically significantly lower	
Hingham - Annual Average	72	47.9	36.8	34.5 - 39.0	Statistically significantly lower	

Quincy

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	515	77.8	76.3	69.7 - 82.9	Statistically significantly higher	
2003	509	76.5	73.9	67.5 - 80.3	Statistically significantly higher	
2004	521	77.9	76.2	69.6 - 82.7	Statistically significantly higher	
2005	500	74.4	72.6	66.3 - 79.0	Not statistically significantly different	
2006	459	67.9	67.1	61.0 - 73.3	Not statistically significantly different	
2007	455	67.0	64.7	58.7 - 70.7	Not statistically significantly different	
2008	547	80.1	77.1	70.7 - 83.6	Not statistically significantly different	
2009	571	83.2	80.1	73.5 - 86.6	Not statistically significantly different	
2010	545	79.1	75.4	69.1 - 81.7	Statistically significantly higher	

Age Adjusted Rates of Emergency Department Visits for COPD per 10,000 People,
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2011	594	84.9	81.6	75.0 - 88.2	Statistically significantly higher	
2012	608	85.6	82.3	75.8 - 88.9	Statistically significantly higher	
2013	575	80.0	75.9	69.7 - 82.1	Statistically significantly higher	
2014	515	70.8	66.1	60.4 - 71.8	Not statistically significantly different	
2015	611	83.3	78.6	72.4 - 84.8	Statistically significantly higher	
Quincy - Annual Average	538	77.8	74.9	73.2 - 76.6	Statistically significantly higher	

Weymouth

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	399	103.4	99.6	89.8 - 109.4	Statistically significantly higher	
2003	341	88.3	84.7	75.7 - 93.7	Statistically significantly higher	
2004	353	91.4	87.4	78.3 - 96.5	Statistically significantly higher	
2005	394	101.9	98.3	88.6 - 108.0	Statistically significantly higher	
2006	285	73.7	69.3	61.3 - 77.4	Not statistically significantly different	
2007	302	78.1	74.0	65.7 - 82.4	Statistically significantly higher	
2008	432	111.7	105.2	95.2 - 115.1	Statistically significantly higher	
2009	400	103.4	98.1	88.5 - 107.8	Statistically significantly higher	
2010	384	99.2	92.1	82.9 - 101.3	Statistically significantly higher	
2011	399	102.0	94.0	84.8 - 103.2	Statistically significantly higher	
2012	413	104.6	96.0	86.7 - 105.2	Statistically significantly higher	
2013	455	114.3	103.5	93.9 - 113.0	Statistically significantly higher	
2014	472	118.0	103.6	94.3 - 113.0	Statistically significantly higher	
2015	430	107.3	93.4	84.6 - 102.2	Statistically significantly higher	
Weymouth - Annual Average	390	99.9	92.8	90.3 - 95.3	Statistically significantly higher	

State Wide

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals
2002	29,312	68.1	66.8	66.0 - 67.6
2003	29,104	67.3	66.0	65.2 - 66.8
2004	26,543	61.1	59.7	59.0 - 60.4
2005	29,834	68.4	66.5	65.7 - 67.3
2006	29,913	68.3	66.2	65.4 - 67.0
2007	29,095	66.2	63.7	63.0 - 64.4
2008	33,188	75.2	72.1	71.3 - 72.9
2009	33,996	76.7	73.3	72.5 - 74.1
2010	32,047	72.0	68.2	67.5 - 68.9
2011	34,243	75.9	71.4	70.6 - 72.2
2012	34,073	74.6	70.0	69.3 - 70.7
2013	32,275	69.8	64.6	63.9 - 65.3
2014	31,486	67.4	62.3	61.6 - 63.0
2015	33,014	70.0	63.4	62.7 - 64.1
Statewide - Annual Average	31,295	70.1	66.7	66.5 - 66.9

- 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.

Age Adjusted Rates of Emergency Department Visits for COPD per 10,000 People,
for Males and Females Combined for 2002 - 2015 by Community

- 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 Statistics (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.

Age Adjusted Rates of Hospital Admission for Myocardial Infarction per 10,000 People Age 35+,
for Males and Females Combined for 2000 - 2015 by Community

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	
2001	145	73.1	61.3	51.3 - 71.3	Not statistically significantly different	
2002	107	53.6	46.4	37.6 - 55.2	Not statistically significantly different	
2003	132	65.6	54.7	45.3 - 64.0	Not statistically significantly different	
2004	114	56.3	47.2	38.5 - 55.9	Not statistically significantly different	
2005	103	50.5	42.0	33.9 - 50.0	Not statistically significantly different	
2006	133	64.8	55.3	45.9 - 64.7	Statistically significantly higher	
2007	102	49.4	41.1	33.1 - 49.1	Not statistically significantly different	
2008	120	57.7	47.6	39.1 - 56.2	Statistically significantly higher	
2009	93	44.4	36.1	28.8 - 43.5	Not statistically significantly different	
2010	88	41.8	34.9	27.6 - 42.1	Not statistically significantly different	
2011	88	41.2	35.8	28.3 - 43.2	Not statistically significantly different	
2012	86	39.8	32.8	25.9 - 39.8	Not statistically significantly different	
2013	76	34.8	28.5	22.1 - 34.9	Not statistically significantly different	
2014	53	24.0	20.5	15.0 - 26.1	Not statistically significantly different	
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	

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	
2001	43	36.0	34.3	24.0 - 44.5	Statistically significantly lower	
2002	46	37.8	33.9	24.1 - 43.7	Statistically significantly lower	
2003	61	49.3	44.8	33.6 - 56.1	Not statistically significantly different	
2004	48	38.1	34.6	24.8 - 44.4	Statistically significantly lower	
2005	49	38.3	32.1	23.1 - 41.1	Not statistically significantly different	
2006	49	37.6	30.1	21.6 - 38.5	Statistically significantly lower	
2007	51	38.5	30.7	22.2 - 39.1	Not statistically significantly different	
2008	46	34.2	28.2	20.1 - 36.4	Not statistically significantly different	
2009	52	38.0	28.6	20.9 - 36.4	Not statistically significantly different	
2010	41	29.5	22.5	15.6 - 29.4	Statistically significantly lower	
2011	43	30.6	23.7	16.6 - 30.8	Not statistically significantly different	
2012	36	25.4	15.4	10.4 - 20.4	Statistically significantly lower	
2013	42	29.4	19.3	13.5 - 25.2	Statistically significantly lower	
2014	46	31.9	19.6	14.0 - 25.3	Not statistically significantly different	
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	

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	
2001	307	63.3	54.4	48.3 - 60.5	Not statistically significantly different	
2002	290	59.3	51.4	45.5 - 57.3	Not statistically significantly different	
2003	306	62.1	54.3	48.2 - 60.4	Not statistically significantly different	

Age Adjusted Rates of Hospital Admission for Myocardial Infarction per 10,000 People Age 35+,
for Males and Females Combined for 2000 - 2015 by Community

2004	280	56.4	48.9	43.1 - 54.6	Not statistically significantly different	
2005	261	52.2	44.8	39.3 - 50.2	Not statistically significantly different	
2006	283	56.2	49.9	44.0 - 55.7	Statistically significantly higher	
2007	256	50.5	43.7	38.4 - 49.1	Statistically significantly higher	
2008	281	55.0	47.2	41.7 - 52.8	Statistically significantly higher	
2009	236	45.9	40.8	35.6 - 46.0	Statistically significantly higher	
2010	235	45.3	40.5	35.3 - 45.7	Statistically significantly higher	
2011	197	37.5	33.3	28.7 - 38.0	Not statistically significantly different	
2012	190	35.6	30.4	26.1 - 34.7	Not statistically significantly different	
2013	167	30.9	27.9	23.7 - 32.1	Not statistically significantly different	
2014	148	27.1	23.5	19.7 - 27.3	Not statistically significantly different	
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	

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	
2001	175	57.4	54.9	46.8 - 63.0	Not statistically significantly different	
2002	183	59.8	56.1	48.0 - 64.2	Not statistically significantly different	
2003	226	73.5	69.6	60.5 - 78.7	Statistically significantly higher	
2004	185	59.9	56.0	48.0 - 64.1	Statistically significantly higher	
2005	170	54.7	50.5	42.9 - 58.1	Statistically significantly higher	
2006	163	52.3	49.1	41.6 - 56.6	Statistically significantly higher	
2007	150	47.9	44.7	37.6 - 51.9	Not statistically significantly different	
2008	159	50.5	45.7	38.6 - 52.9	Statistically significantly higher	
2009	138	43.6	40.5	33.8 - 47.3	Not statistically significantly different	
2010	111	34.9	32.0	26.0 - 37.9	Not statistically significantly different	
2011	121	37.8	34.4	28.3 - 40.5	Not statistically significantly different	
2012	133	41.2	37.4	31.0 - 43.7	Statistically significantly higher	
2013	117	36.0	32.2	26.3 - 38.0	Not statistically significantly different	
2014	97	29.6	26.0	20.8 - 31.2	Not statistically significantly different	
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	

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

Age Adjusted Rates of Hospital Admission for Myocardial Infarction per 10,000 People Age 35+,
for Males and Females Combined for 2000 - 2015 by Community

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

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