

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH
IMMUNIZATION DIVISION

**Immunization Survey of College Students
Percent Up To Date**

MASSACHUSETTS 1987-2020

All College Students

| School Year ¹ | No. Students | ≥1 Dose MMR ² | 2 Doses MMR ³ | Td/Tdap ⁴ | 3 Doses Hep B ⁵ | Immunity to Chickenpox ⁶ |
|--------------------------|--------------|--------------------------|--------------------------|----------------------|----------------------------|--|
| 2020-21 | 149,370 | N/A | 86.9 | 85.8 | 86.1 | 86.1 |
| 2019-20 | 268,864 | N/A | 90.2 | 88.9 | 89.3 | 88.7 |
| 2018-19 | 232,306 | N/A | 89.2 | 86.3 | 88.7 | 88.6 |
| 2017-18 | 241,224 | N/A | 88.1 | 86.5 | 86.0 | 86.0 |
| 2016-17 | 263,045 | N/A | 91.0 | 90.4 | 90.3 | 89.0 |
| 2015-16 | 245,889 | N/A | 90.5 | 89.1 | 90.0 | 87.0 |
| 2014-15 | 272,649 | N/A | 86.3 | 85.0 | 85.6 | 82.9 (Undergraduates & Health Science students only) |
| 2013-14 | 257,234 | N/A | 88.5 | 87.0 | 88.3 | 82.7 (Freshmen, Sophomores, Juniors & Health Science students only) |

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|--------------------------|--------------|--------------------------|--------------------------|----------------------|----------------------------|---|
| 2012-13 | 301,743 | N/A | 89.7 | 85.2 | 88.2 | 81.1 (Freshmen, Sophomores & Health Science students only) |
| 2011-12 | 335,421 | N/A | 90.1 | 85.1 | 88.1 | 68.8 (Freshmen & Health Science students only) |
| 2010-11 | 308,820 | 85.0 | 83.0 | 96.1* | 82.3 | N/A |
| 2009-10 | 285,656 | 85.4 | 83.7 | 92.5* | 84.9 | N/A |
| 2008-09 | 257,282 | 84.5 | 82.6 | 89.0* | 84.5 | N/A |
| 2007-08 | 263,970 | 83.7 | 81.2 | 85.2 | 79.5 | N/A |
| 2006-07 | 254,060 | 81.4 | 78.8 | 82.4 | 77.5 | N/A |
| 2005-06 | 263,328 | 92.2 | 89.0 | 85.2 | 77.6 | N/A |
| 2004-05 | 259,511 | 89.1 | 84.1 | 88.0 | N/A | N/A |
| 2003-04 | 244,374 | 90.1 | 83.3 | 87.8 | N/A | N/A |
| 2002-03 | 244,564 | 87.8 | 84.1 | 87.4 | N/A | N/A |
| 2001-02 | 265,360 | 89.0 | 86.2 | 88.3 | N/A | N/A |

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|--------------------------|--------------|--------------------------|--------------------------|----------------------|----------------------------|-------------------------------------|
| 2000-01 | 266,497 | 89.4 | 87.0 | 89.6 | N/A | N/A |
| 1999-00 | 234,960 | 91.6 | 89.0 | 91.6 | N/A | N/A |
| 1998-99 | 262,760 | 90.8 | 88.5 | 84.0 | N/A | N/A |
| 1997-98 | 245,348 | 92.8 | 89.9 | 91.8 | N/A | N/A |
| 1996-97 | 239,689 | 93.3 | 89.7 | 92.0 | N/A | N/A |
| 1995-96 | 225,653 | 92.6 | 88.9 | 92.1 | N/A | N/A |
| 1994-95 | 256,346 | 92.7 | 88.9 | 88.4 | N/A | N/A |
| 1993-94 | 243,251 | 90.7 | 84.9 | 86.8 | N/A | N/A |
| 1992-93 | 229,151 | 92.0 | 79.4 | 86.2 | N/A | N/A |
| 1991-92 | 205,639 | 96 | 83 | 96 | N/A | N/A |
| 1990-91 | 131,279 | 94 | N/A | 94 | N/A | N/A |
| 1989-90 | 84,563 | 89 | N/A | 89 | N/A | N/A |
| 1988-89 | 84,447 | 84 | N/A | 84 | N/A | N/A |
| 1987-88 | 88,030 | 92 | N/A | 94 | N/A | N/A |

¹ 2015-16: Data for 6 colleges are omitted due to data discrepancies

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2016-17: Data for 5 colleges are omitted due to data discrepancies

2017-18: Data for 8 colleges are omitted due to data discrepancies

2018-19: Data for 1 college was omitted due to data discrepancies

2019-20: Data for 8 colleges was omitted due to data discrepancies

² Measles, mumps and rubella vaccine

³ 1991-2010: Includes all students with 2 doses of a measles-containing vaccine

2011-2014: Students who meet the MMR requirement according to the phase-in schedule.

⁴ Tetanus and diphtheria vaccine (Td) and Tetanus, diphtheria, acellular pertussis (Tdap) vaccine

1995-2007: Td only

2008-2014: Td/Tdap

2015-present: Tdap only

⁵ Hepatitis B vaccine

2011-present: Includes students with 3 doses of Hepatitis B vaccine or serologic proof of immunity

⁶ Includes students with 2 doses of varicella vaccine or serologic proof of immunity or reliable history of chickenpox disease. Also includes birth before 1980 in the U.S., except for health science students.

*Td/Tdap rates from 2008-2010 may be artificially inflated due to the survey design, which led to the possibility of students being double counted for both Td and Tdap.

Source: Massachusetts Department of Public Health Immunization Division, College Surveys 1987-2019