# **Immunization Levels of Children Entering Kindergarten**

# **Percent Up-to-Date**

# **Kindergarten Immunization Survey**

# **MASSACHUSETTS 1975-2024**

| **School Year1** | **Number of Records** | **≥4 DTaP/ DTP2** | **5 DTaP/ DTP** | **≥3 Polio** | **4**  **Polio** | **≥1 MMR3,4** | **2 MMR3,5** | **3 Hep B5,6** | **1 Varicella7** | **2 Varicella5** | **History of chickenpox disease** | **Immunity to chickenpox8** | **Series Complete9** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2023-24** | **65,424** | **N/A** | **96.0** | **N/A** | **96.2** | **N/A** | **96.3** | **97.3** | **N/A** | **95.7** | **0.1** | **95.8** | **94.3** |
| **2022-23** | 66,041 | N/A | 96.2 | N/A | 96.3 | N/A | 96.5 | 97.3 | N/A | 96.0 | 0.1 | 96.1 | 94.5 |
| **2021-22** | 65,582 | N/A | 96.1 | N/A | 96.1 | N/A | 96.3 | 97.0 | N/A | 95.8 | 0.1 | 95.9 | 94.3 |
| **2020-21** | 60,724 | N/A | 95.7 | N/A | 95.6 | N/A | 95.9 | 97.2 | N/A | 95.3 | 0.1 | 95.5 | 93.8 |
| **2019-20** | 66,756 | N/A | 97.2 | N/A | 97.3 | N/A | 97.3 | 98.0 | N/A | 96.8 | 0.2 | 97.0 | 95.9 |
| **2018-19** | 65,279 | N/A | 97.1 | N/A | 96.9 | N/A | 96.9 | 97.6 | N/A | 96.2 | 0.2 | 96.5 | 95.5 |
| **2017-18** | 63,377 | N/A | 96.4 | N/A | 96.3 | N/A | 96.3 | 97.3 | N/A | 95.7 | 0.3 | 96.0 | 94.6 |
| **2016-17** | 70,109 | N/A | 96.1 | N/A | 96.6 | N/A | 96.1 | 97.5 | N/A | 95.4 | 0.3 | 95.7 | 94.1 |
| **2015-16** | 72,230 | 98.3 | 94.9 | 98.4 | 96.7 | N/A | 96.4 | 97.6 | N/A | 95.5 | 0.4 | 95.9 | 93.0 |
| **2014-15** | 74,869 | 98.6 | 92.1 | 98.3 | 94.4 | N/A | 94.7 | 96.9 | N/A | 93.6 | 0.5 | 94.2 | 90.9 |
| **2013-14** | 78,230 | 98.3 | 93.1 | 98.2 | 94.4 | N/A | 95.2 | 97.2 | N/A | 94.0 | 0.6 | 94.5 | 90.8 |
| **2012-13** | 77,767 | 98.4 | 93.2 | 98.4 | 94.2 | N/A | 94.9 | 97.8 | N/A | 93.6 | 0.7 | 94.3 | 90.4 |
| **2011-12** | 78,313 | 97.8 | 91.9 | 97.8 | 92.8 | N/A | 93.6 | 97.2 | N/A | 91.3 | 0.8 | 92.1 | 90.2 |
| **2010-11** | 75,710 | 97.8 | 89.9 | 97.9 | 91.0 | 98.1 | 91.2 | 96.6 | 17.9 | 79.2 | 0.60 | 97.7 | 87.5 |
| **2009-10** | 74,476 | 98.2 | 92.4 | 97.9 | 93.0 | 98.4 | 93.0 | 97.7 | 19.7 | 78.2 | 0.72 | 98.6 | 90.7 |
| **2008-09** | 77,411 | 98.1 | 91.4 | 98.2 | 92.4 | 98.2 | 93.9 | 98.2 | 32.7 | 64.4 | 0.74 | 97.8 | 92.3 |
| **2007-08** | 78,039 | 98.8 | 91.8 | 98.5 | 92.7 | 98.5 | 95.1 | 98.1 | 97.0 | N/A | 0.82 | 97.9 | 93.1 |
| **2006-07** | 78,503 | 98.6 | 92.9 | 98.6 | 93.7 | 98.7 | 95.7 | 98.5 | 97.5 | N/A | 1.1 | 98.6 | 94.3 |
| **2005-06** | 78,511 | 98.4 | 91.8 | 98.5 | 92.7 | 98.5 | 95.7 | 97.8 | 96.6 | N/A | 1.4 | 98.0 | 94.0 |
| **2004-05** | 78,435 | 98.9 | 92.5 | 98.9 | 93.5 | 99.0 | 96.1 | 98.4 | 96.4 | N/A | 2.1 | 98.5 | 94.7 |
| **2003-04** | 78,966 | 97.7 | 92.0 | 97.8 | 92.7 | 97.8 | 94.8 | 98.1 | 94.7 | N/A | 3.5 | 98.2 | 93.1 |
| **2002-03** | 79,435 | 97.6 | 92.0 | 97.7 | 93.3 | 97.8 | 95.1 | 99.2 | 90.1 | N/A | 7.8 | 97.9 | 93.4 |
| **2001-02** | 79,588 | 98.5 | 91.6 | 98.6 | 93.2 | 98.5 | 95.5 | 97.7 | 82.7 | N/A | 14.6 | 97.3 | 93.8 |
| **2000-01** | 80,971 | 98.2 | 91.0 | 98.3 | 93.0 | 98.4 | 95.0 | 97.3 | 71.6 | N/A | 24.0 | 95.6 | 93.1 |
| **1999-00** | 80,360 | 97.3 | 89.8 | 97.2 | 91.7 | 98.0 | 94.3 | 96.3 | 58.5 | N/A | 34.5 | 93.1 | 92.4 |
| **1998-99** | 81,615 | 97.9 | 90.2 | 98.0 | 92.1 | 97.9 | 94.5 | 96.9 | N/A | N/A | N/A | N/A | 93.3 |
| **1997-98** | 85,304 | 96.8 | 88.6 | 97.0 | 91.0 | 97.3 | 93.3 | 84.1 | N/A | N/A | N/A | N/A | 91.5 |
| **1996-97** | 86,896 | 97.1 | 88.1 | 97.5 | 90.9 | 97.8 | 93.0 | 32.8 | N/A | N/A | N/A | N/A | 90.1 |
| **1995-96** | 89,955 | 99.2 | 91.3 | 97.3 | 90.9 | 99.0 | 90.3 | N/A | N/A | N/A | N/A | N/A | 87.9 |
| **1994-95** | 88,456 | 98.2 | N/A | 98.7 | N/A | 99.0 | N/A | N/A | N/A | N/A | N/A | N/A | 97.7 |
| **1993-94** | 87,115 | 97.7 | N/A | 98.2 | N/A | 98.3 | N/A | N/A | N/A | N/A | N/A | N/A | 97.6 |
| **1992-93** | 84,734 | 98.0 | N/A | 98.5 | N/A | 98.6 | N/A | N/A | N/A | N/A | N/A | N/A | NA |
| **1991-92** | 83,644 | 98.2 | N/A | 98.6 | N/A | 98.7 | N/A | N/A | N/A | N/A | N/A | N/A | NA |
| **1990-91** | 83,200 | 98.9 | N/A | 98.5 | N/A | 99.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1989-90** | 80,400 | 97.3 | N/A | 97.9 | N/A | 98.3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1988-89** | 79,034 | 97.6 | N/A | 97.9 | N/A | 98.4 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1987-88** | 79,568 | 97.7 | N/A | 97.3 | N/A | 98.3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1986-87** | 68,505 | 97.0 | N/A | 96.9 | N/A | 97.8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1985-86** | 73,486 | 98.8 | N/A | 98.6 | N/A | 99.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1984-85** | 69,848 | 98.9 | N/A | 98.8 | N/A | 99.4 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1983-84** | 66,216 | 99.1 | N/A | 99.1 | N/A | 99.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1982-83** | 65,958 | 98.4 | N/A | 98.1 | N/A | 99.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1981-82** | 63,964 | 97.9 | N/A | 97.7 | N/A | 98.8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1980-81** | 67,665 | 98.1 | N/A | 98.1 | N/A | 99.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1979-80** | 68,988 | 97.6 | N/A | 97.9 | N/A | 98.7 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1978-79** | 70,115 | 97.0 | N/A | 97.5 | N/A | 92.8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1977-78** | 74,851 | 95.8 | N/A | 94.2 | N/A | 89.8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1976-77** | 84,546 | 96.2 | N/A | 95.8 | N/A | 84.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| **1975-76** | 91,073 | 95.0 | N/A | 94.1 | N/A | 78.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

**1** In preparing these data reports, we follow up with schools reporting numerically illogical survey entries and correct them whenever possible. Beginning in the 2017-18 school year, the survey submission deadline was extended from late October to mid-December, at which point no additional surveys were accepted. In prior years, additional surveys were accepted after the deadline. In 2020-21, the survey deadline was postponed to March to allow for more complete reporting, given extenuating pandemic-related circumstances. Beginning with the 2021-2022 school year, the survey deadline occurs in late January/early February.

2015-16: Data from 15 schools omitted from this report due to data discrepancies.

2016-17: Data from 20 schools omitted from this report due to data discrepancies.

2017-18: Data from 30 schools omitted from this report due to data discrepancies.

2018-19: Data from 22 schools omitted from this report due to data discrepancies.

2019-20: Data from 2 schools omitted from this report due to data discrepancies, and 1 school was not included to protect populations < 30 students.

2020-21: Data for 1 school omitted from this report due to data discrepancy.

2021-23: No school data was omitted from this report due to data discrepancy.

2023-24: Data from 3 schools omitted from this report due to data discrepancies.

**2** Diphtheria, tetanus, pertussis vaccine.

**3**Measles, mumps, and rubella vaccine.

**4**Before 1994-95 school year: 1 MMR assessed.

1995-10: ≥ 1 MMR assessed.

2011-Current: 2 MMR assessed.

**5**Beginning in 2015-16, students with laboratory evidence of immunity to measles, mumps, rubella, hepatitis B, and varicella are included in these numbers.

**6**Hepatitis B vaccine.

**7**1999-07: Includes students with 1 or 2 doses of varicella vaccine.

2008-10: Includes students with only 1 dose of varicella vaccine.

**8**1999-10: Includes students with 1 or 2 doses of varicella vaccine or a documented reliable history of chickenpox disease.

2011-Current: Includes students with 2 doses of varicella vaccine, laboratory evidence of immunity or a documented reliable history of chickenpox disease.

**9**Series complete 1975-94: ≥4 DTaP/DTP and >3 polio and 1 MMR

Series complete 1995-11: 5 DTaP/DTP and 4 polio and 2 MMR

Series complete 2012-Current: 5 DTaP + 4 polio + 2 MMR + 3 hep B + 2 varicella