

## Massachusetts Grade 7 Immunization Survey Results by County 2017-2018

County	Number of Schools*	Number of Children	2 MMR	3 Hep B	2 Varicella	1 Tdap	Series	Medical Exemptions	Religious Exemptions	Total Exemptions	Un-immunized	Gap
Barnstable	23	1,310	98%	99%	97%	94%	92%	0.2%	1.8%	2.0%	0.7%	5.8%
Berkshire	27	1,117	99%	99%	98%	81%	80%	0.0%	1.2%	1.2%	0.3%	19.2%
Bristol	73	5,467	99%	99%	99%	99%	98%	0.2%	0.7%	0.9%	0.2%	0.8%
Dukes	6	178	98%	98%	94%	97%	92%	1.1%	5.1%	6.2%	1.1%	1.7%
Essex	106	7,081	99%	99%	99%	96%	95%	0.1%	0.6%	0.7%	0.2%	4.7%
Franklin	16	587	98%	98%	96%	93%	90%	0.3%	2.9%	3.2%	1.0%	6.6%
Hampden	71	4,117	99%	98%	98%	93%	92%	0.5%	0.6%	1.1%	0.3%	6.6%
Hampshire	21	1,529	98%	98%	98%	97%	96%	0.3%	2.4%	2.7%	1.0%	1.5%
Middlesex	190	15,653	99%	99%	99%	95%	94%	0.2%	0.6%	0.8%	0.2%	5.2%
Nantucket	3	131	100%	100%	98%	97%	97%	0.0%	1.5%	1.5%	0.0%	1.5%
Norfolk	94	6,252	100%	100%	99%	97%	96%	0.2%	0.5%	0.7%	0.2%	3.2%
Plymouth	57	6,242	99%	99%	99%	95%	95%	0.2%	0.7%	0.8%	0.2%	4.6%
Suffolk	106	3,478	96%	96%	95%	83%	81%	0.2%	0.1%	0.2%	0.1%	19.2%
Worcester	115	6,821	99%	99%	99%	94%	93%	0.3%	0.7%	1.0%	0.2%	6.1%
<b>State Total</b>	<b>908</b>	<b>59,963</b>	<b>99%</b>	<b>99%</b>	<b>98%</b>	<b>94%</b>	<b>93%</b>	<b>0.2%</b>	<b>0.7%</b>	<b>0.9%</b>	<b>0.2%</b>	<b>5.7%</b>

\* Number of schools is for all schools in the county - data only represent those schools that responded to the survey

**2 MMR** 2 doses of MMR (measles, mumps and rubella) vaccine. Students with laboratory evidence of immunity to all three diseases are also included in this category

**3 Hep B** 3 doses of hepatitis B vaccine. Students with laboratory evidence of immunity are also included in this category

**2 Varicella** 2 doses of varicella vaccine. Students with a reliable history of chickenpox disease or laboratory evidence of immunity are also included in this category

**Tdap** 1 dose of Tdap

**Unimmunized** Students with an exemption with no documented vaccines

**Series** 2 MMR and 3 HepB and 2 Varicella and 1 Tdap

**Gap** Students that have neither all vaccines required for school nor an exemption

- All data are self-reported by the schools and discrepancies may exist. The Immunization Program continues to work with schools to resolve discrepancies and update immunization data, when possible.

- Data are primarily collected in the fall, but immunization data are often updated throughout the year and rates (during the same school year) may be higher than reported due to additional children receiving immunizations or bringing records to school. Also, the student body is dynamic and as students arrive and leave the school, the immunization rates are impacted.

- Children are allowed a medical or religious exemption to one or more vaccines. Children without the required number of doses of vaccine do not necessarily have an exemption on file.

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- Children without a record of vaccination, but with laboratory proof of immunity to certain diseases (measles, mumps, rubella, hepatitis b and varicella), meet school entry requirements and may be counted as vaccinated.
- Data for 30 schools are omitted from this report due to discrepancies that were unable to be resolved by the Immunization Program.