

Massachusetts Kindergarten Immunization Survey Results by County 2015-2016

County	Number of Schools*	Number of Children	5 DTaP	4 Polio	2 MMR	3 Hep B	Immunity to Chickenpox Disease	Series Complete	Medical Exemptions	Religious Exemptions	Total Exemptions	Un-immunized
Barnstable	36	1,739	94%	96%	95%	96%	94%	91%	0.5%	2.9%	3.5%	1.4%
Berkshire	40	1,155	93%	96%	96%	96%	95%	90%	0.1%	2.6%	2.7%	1.2%
Bristol	104	6,142	97%	98%	98%	99%	98%	96%	0.3%	1.1%	1.4%	0.3%
Dukes	7	183	87%	93%	93%	93%	89%	84%	0.5%	7.7%	8.2%	3.3%
Essex	176	8,884	96%	97%	97%	98%	97%	93%	0.2%	1.1%	1.3%	0.6%
Franklin	27	644	91%	93%	92%	94%	90%	87%	0.3%	2.8%	3.1%	0.6%
Hampden	106	5,365	96%	98%	97%	98%	97%	94%	0.3%	1.4%	1.6%	0.6%
Hampshire	35	1,279	95%	96%	96%	95%	95%	92%	0.2%	3.9%	4.1%	1.3%
Middlesex	307	17,564	96%	98%	98%	98%	97%	94%	0.3%	0.9%	1.2%	0.4%
Nantucket	3	122	96%	93%	95%	93%	92%	87%	0.0%	3.3%	3.3%	0.0%
Norfolk	146	7,830	97%	98%	98%	99%	98%	96%	0.3%	0.6%	0.9%	0.3%
Plymouth	83	5,792	96%	98%	98%	99%	97%	95%	0.3%	0.7%	1.1%	0.3%
Suffolk	139	6,455	86%	89%	87%	93%	86%	83%	0.1%	0.3%	0.5%	0.2%
Worcester	159	9,076	95%	97%	97%	98%	96%	93%	0.4%	1.0%	1.3%	0.5%
<b>State Total</b>	<b>1,368</b>	<b>72,230</b>	<b>95%</b>	<b>97%</b>	<b>96%</b>	<b>98%</b>	<b>96%</b>	<b>93%</b>	<b>0.3%</b>	<b>1.0%</b>	<b>1.3%</b>	<b>0.5%</b>

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

**5 DTaP** 5 doses of DTaP (diphtheria, tetanus and pertussis) vaccine

**4 Polio** 4 doses of polio vaccine

**2 MMR** 2 doses of MMR (measles, mumps and rubella) vaccine

**3 Hep B** 3 doses of hepatitis B vaccine

**Immunity to Chickenpox** 2 doses of varicella vaccine or a reliable history of chickenpox disease

**Series** 5 DTaP + 4 Polio + 2 MMR + 3 Hep B + 2 Varicella

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

- Data were 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.
- Children without a record of vaccination, but with serologic proof of immunity to certain diseases (measles, mumps, rubella, hepatitis b and varicella), meet school entry requirements, but may not be counted as vaccinated.
- Data for 16 schools are omitted from this report due to discrepancies that were unable to be resolved by the Immunization Program.

•All data are self-reported by the schools and discrepancies may exist. For example, the percent of children with 5 doses of DTaP may be less than the percent of children meeting the series even though the series includes 5 doses of DTaP vaccine due to the spacing and age at which they received the doses. In addition some children may still meet school entry requirements even with fewer doses reported for these same reasons. The Immunization Program continues to work with schools to resolve discrepancies and update immunization data, when possible.