

Massachusetts Childcare/Preschool Immunization Survey Results by County 2015-2016

County	Number of Programs*	Number of Children	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Immunity to Chickenpox Disease	Series Complete	Medical Exemptions	Religious Exemptions	Total Exemptions	Un-immunized
Barnstable	94	2,662	94%	95%	95%	95%	93%	94%	92%	0.2%	2.3%	2.4%	1.5%
Berkshire	71	1,970	93%	95%	95%	94%	93%	95%	91%	0.4%	1.9%	2.3%	1.4%
Bristol	229	8,879	97%	98%	99%	98%	98%	98%	96%	0.1%	0.5%	0.6%	0.2%
Dukes	12	217	90%	90%	93%	90%	80%	88%	88%	0.0%	9.2%	9.2%	0.9%
Essex	302	12,390	96%	97%	98%	96%	95%	97%	95%	0.3%	0.7%	1.0%	0.5%
Franklin	41	1021	93%	92%	93%	91%	89%	92%	90%	0.5%	3.7%	4.2%	1.7%
Hampden	171	7,569	97%	97%	98%	95%	97%	98%	95%	0.1%	0.6%	0.7%	0.3%
Hampshire	67	2,044	97%	97%	98%	95%	94%	96%	95%	0.6%	2.6%	3.3%	0.8%
Middlesex	687	29,923	97%	97%	98%	96%	96%	97%	95%	0.3%	0.6%	0.9%	0.3%
Nantucket	7	190	93%	94%	93%	92%	91%	90%	91%	0.0%	4.7%	4.7%	1.6%
Norfolk	324	12,676	97%	97%	98%	97%	96%	98%	96%	0.2%	0.6%	0.9%	0.3%
Plymouth	196	9,092	96%	96%	97%	95%	95%	97%	94%	0.3%	0.7%	1.0%	0.3%
Suffolk	336	10,040	95%	96%	97%	94%	95%	96%	94%	0.0%	0.3%	0.3%	0.1%
Worcester	305	11,603	97%	97%	98%	97%	96%	97%	96%	0.3%	0.7%	1.0%	0.3%
<b>State Total</b>	<b>2,842</b>	<b>110,276</b>	<b>96%</b>	<b>97%</b>	<b>98%</b>	<b>96%</b>	<b>96%</b>	<b>97%</b>	<b>95%</b>	<b>0.2%</b>	<b>0.7%</b>	<b>1.0%</b>	<b>0.4%</b>

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

**Number of Children** Vaccination and exemption rates are assessed on children 2 years of age and older

**4 DTaP** 4 doses of DTaP (diphtheria, tetanus and pertussis) vaccine

**3 Polio** 3 doses of polio vaccine

**1 MMR** 1 dose of MMR (measles, mumps and rubella) vaccine

**3 Hib** 3 doses of *Haemophilus influenzae* type b vaccine

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

**Immunity to Chickenpox** 1 dose of varicella vaccine or a reliable history of chickenpox disease

**Series** 4 DTaP + 3 Polio + 1 MMR

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

•Data were 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 childcare population is dynamic and as children arrive and leave the programs, 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.

•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 from 39 child care programs are omitted from this report due to discrepancies that were unable to be resolved by the Immunization Program