

Massachusetts Childcare/Preschool Immunization Survey Results by County 2014-2015

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
Barnstable	92	2,581	94%	95%	94%	95%	93%	93%	91%	0.2%	2.4%	2.6%
Berkshire	68	1,764	93%	96%	96%	96%	94%	95%	91%	0.9%	2.8%	3.7%
Bristol	216	8,559	97%	97%	98%	97%	97%	98%	95%	0.6%	0.7%	1.3%
Dukes	10	195	91%	93%	92%	91%	85%	87%	89%	0.0%	9.7%	9.7%
Essex	288	12,564	96%	97%	98%	96%	96%	98%	95%	0.3%	0.8%	1.1%
Franklin	41	934	94%	93%	94%	94%	91%	94%	92%	0.4%	3.7%	4.2%
Hampden	164	7,168	96%	97%	97%	95%	96%	97%	95%	0.2%	0.6%	0.8%
Hampshire	66	1,633	96%	97%	97%	96%	93%	96%	95%	0.4%	2.5%	2.9%
Middlesex	637	27,266	97%	97%	98%	97%	96%	97%	95%	0.4%	0.7%	1.1%
Nantucket	7	165	92%	93%	92%	91%	88%	92%	88%	0.6%	3.0%	3.6%
Norfolk	307	11,887	97%	98%	98%	97%	96%	97%	96%	0.4%	0.7%	1.1%
Plymouth	190	8,221	97%	97%	98%	97%	96%	97%	95%	0.2%	0.6%	0.9%
Suffolk	282	7,570	92%	92%	93%	93%	92%	92%	90%	0.2%	0.4%	0.5%
Worcester	311	11,368	98%	98%	98%	97%	97%	98%	96%	0.2%	0.8%	1.0%
State Total	2,679	101,875	96%	97%	98%	97%	96%	97%	95%	0.3%	0.8%	1.2%

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

- 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.