

**Annual Michigan Data from MDHHS and CDC (Communicable Diseases, VAERS Adverse Event Reporting, Vaccination Rates)**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Cases of Vaccine-Targeted Illnesses in Michigan Residents reported to the Michigan Department of Health and Human Services</b>																				
Measles	5	3	2	10	6	3	0	0	2	0	1	1	3	4	0	0	2	1	5	5
Mumps	60	48	28	33	10	7	5	7	8	2	24	85	29	39	22	47	21	23	15	42
Rubella	4	2	0	1	0	0	0	1	0	0	1	1	3	0	0	0	0	0	0	0
Congenital Rubella	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pertussis	103	59	71	71	74	127	149	62	140	303	321	632	292	315	902	1564	691	845	995	1424
Diphtheria	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
Tetanus	1	1	0	2	2	3	0	2	0	0	1	3	0	1	0	2	4	2	1	0
H. influenzae invasive disease	18	12	15	13	20	11	14	18	25	22	24	36	31	30	24	36	73	82	104	106
Polio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal Disease								45	51	50	44	29	30	39	21	24	12	15	6	11
Chicken Pox				23647	12260	8809	6698	5352	4171	4240	4004	5200	4191	3048	1889	1450	1036	972	719	726
Deaths	1 (P)	0	0	0	0	0	0	1 (P)	0	0	0	2 (P)	0	0	0	2 (MN) 1 (P)	2 (MN)	4 (MN) 1 (P)	2 (MN)	1 (HIB) 2 (MN)
<b>Adverse Reactions reported to the CDC/FDA Vaccine Adverse Events Reporting System (VAERS) for Michigan Residents</b>																				
Any Adverse Event to Vaccine	424	450	445	408	491	486	503	480	514	409	497	543	1000	934	1142	960	754	831	830	986
Serious AEs to Any Vaccine	43	40	41	28	40	44	26	34	45	47	41	42	83	77	87	60	54	49	50	46
Serious AEs MMR Vaccine	6	5	9	7	11	8	4	10	6	10	7	7	6	7	8	4	6	4	3	2
Serious AEs Pertussis Vaccine	16	7	13	12	22	22	12	18	16	17	11	15	26	23	14	13	7	11	9	14
Death Any Vaccine	0	1	2	3	2	2	2	2	2	4	1	2	2	2	4	2	2	1	5	3
Death MMR Vaccine	0	0	0	1	0	0	0	0	1	0	0	1	0	1	1	0	0	0	1	0
Death Pertussis Vaccine	0	1	2	5	3	3	2	1	2	1	0	1	0	5	1	1	0	0	1	2
<b>Kindergarten Vaccination Rates for MMR, DTaP and Exemption Rates for Michigan Students per the CDC</b>																				
MMR						97.4%		97.5%	97.4%		96.9%	96.6%			95.3%		95.0%	94.4%	97.5%	94.3%
DTaP						97.8%		98.1%	98.1%		97.2%	96.9%			96.0%		95.6%	95.1%	94.8%	95.1%
Exemptions															4.4%		5.4%	5.9%	5.9%	5.3%

There is vast underreporting of vaccine adverse events. FDA: As few as 1% of serious adverse reactions are reported<sup>1</sup>. CDC: Only about 10% are reported<sup>2</sup>.

<sup>1</sup>Less than 1%, according to Barbara Fisher, citing former FDA Commissioner David Kessler, 1993, JAMA, Statement of the National Vaccine Information Center (NVIC), Hearing of the House Subcommittee on Criminal Justice, Drug Policy and Human Resources, "Compensating Vaccine Injuries: Are Reforms Needed?" September 28, 1999. <sup>2</sup>American Association of Physicians and Surgeons, Fact Sheet on Mandatory Vaccines at <http://www.aapsonline.org/>.

Data for communicable disease surveillance retrieved from annual Michigan Department of Community Health reports ([http://www.michigan.gov/mdch/0,1607,7-132-2942\\_4911\\_4914-47024--00.html](http://www.michigan.gov/mdch/0,1607,7-132-2942_4911_4914-47024--00.html))

Data for VAERS adverse event reporting for Michigan retrieved from [www.medalerts.org](http://www.medalerts.org)

Data for Kindergarten Vaccination and Exemption Rates for Michigan retrieved from the Centers for Disease Control (<http://www.cdc.gov/vaccines/imz-managers/coverage/articles.html>)

Shaded rows indicate disease is not contagious or vaccine does not prevent spread of disease (for personal protection only).