

## West Virginia Vaccine-Preventable Disease Tables<sup>Y</sup>

Diphtheria
West Virginia has not had a case of Diphtheria reported since 1976

Diphtheria/Tetanus/Pertussis vaccine requirement for K-12 entry in effect prior to 1988

Beginning in 2012-2013, West Virginia state law requires one dose of Tdap prior to 7<sup>th</sup> grade and 12<sup>th</sup> entry

Polio
West Virginia has not had a case of poliomyelitis reported since 1970

Polio vaccine requirement for K-12 entry in effect prior to 1988

Rubella
West Virginia has not had a case of Rubella reported since 1992

Single dose MMR vaccine requirement for K-12 entry in effect prior to 1988

1992/1993 school year WV required 2<sup>nd</sup> dose for K-12 entry

2008/2009 school year all pre-K immunization requirements went into effect including 1 doses of MMR after child's 1<sup>st</sup> birthday

Invasive <i>Haemophilus influenzae</i> cases <sup>†</sup>						
Year	Total cases	Serotype b	Non-b serotypes (a, c, d, e, & f)	Non- typable* (Unencapsulated strain)	Unable to serotype*	Unknown/testing not done
2008	26	2	12	0	N/A	12
2009	34	4	20	4	N/A	6
2010	38	5	14	8	N/A	11
2011	38	2	20	6	N/A	10
2012	33	6	12	7	N/A	8
2013	39	3	18	12	N/A	6
2014	48	6	25	14	N/A	3
2015	45	0	5	23	N/A	17
2016	39	1	9	18	N/A	11
2017	54	5	15	21	N/A	13
2018	54	6	11	22	N/A	15
2019	42	2**	7	23	N/A	10
2020	34	0	9	3	12	10
2021	25	0	7	0	7	11
2022	57	0	6	0	22	29

<sup>†</sup>For those invasive *Haemophilus influenzae* cases where the isolate was not tested, we cannot rule out serotype b

\* Serotype reporting methods were updated by the WV Office of Laboratory Services in 2020/2021. In previous years, the strains that did not react with these antisera were reported as "Haemophilus influenzae, non-typable." This changed to "Haemophilus influenzae, unable to serotype" because a Haemophilus influenzae strain that is non-typable indicates it is an unencapsulated strain; however, we cannot prove that the bacteria are unencapsulated, only that it does not react to the antisera. Due to this change, the data reflects more "unable to serotype" than "non-typable" starting in 2020.

\*\*One 2019 case of Haemophilus influenzae returned with two serotypes, B and D.

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<b>Varicella (Aggregate Reporting)</b>	
Year	Number of Reported Cases
2008	700
2009	493
2010	458
2011	454
2012	283
2013	232
2014	161
2015	160
2016	108
2017	87
2018	52
2019	71
2020	21
2021	12
2022	11

2008/2009 school year WV required 2 doses of varicella vaccine prior to K-12 entry, with 1 dose required for pre-K entry.

<b>Invasive Pneumococcal Disease</b>	
Year	Number of Reported Cases
2008	330
2009	327
2010	372
2011	375
2012	322
2013	329
2014	246
2015	229
2016	277
2017	239
2018	278
2019	326
2020	192
2021	206
2022	324

<b>Invasive Meningococcal Disease</b>	
Year	Number of Reported Cases
2008	5
2009	8
2010	3
2011	11
2012 <sup>†</sup>	4
2013	2
2014	1
2015	2
2016	4

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2017	3
2018	1
2019	0
2020	1
2021	1
2022	1

†Beginning in 2012-2013, West Virginia state law requires proof of MCV4 prior to 7<sup>th</sup> grade (1 dose) and 12<sup>th</sup> entry (2<sup>nd</sup> dose if indicated).

Tetanus	
Year	Number of Reported Cases
1988	1
1989	0
1990	0
1991	0
1992	0
1993	0
1994	0
1995	1
1996	0
1997	1
1998	3
1999	0
2000	1
2001	1
2002	0
2003	0
2004	1
2005	0
2006	0
2007	0
2008	0
2009	0
2010	0
2011	0
2012 <sup>†</sup>	0
2013	0
2014	0
2015	0
2016	1
2017	0
2018	1
2019	0
2020	0
2021	0
2022	0

Diphtheria/Tetanus/Pertussis vaccine requirement for K-12 entry in effect prior to 1988

†Beginning in 2012-2013, West Virginia state law requires one dose of Tdap prior to 7<sup>th</sup> grade and 12<sup>th</sup> entry

Pertussis*	
Year	Number of Reported Cases
1988	0
1989	0
1990	0

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1991	1
1992	9
1993	8
1994	6
1995	1
1996	7
1997	5
1998	8
1999	5
2000	1
2001	6
2002	35
2003	28
2004	51
2005	53
2006	66
2007	32
2008	11
2009	39
2010	166
2011	101
2012 <sup>†</sup>	87
2013	19
2014	18
2015	80
2016	26
2017	13
2018	26
2019	37
2020	32
2021	4
2022	14

\*Confirmed and probable cases

Diphtheria/Tetanus/Pertussis vaccine requirement for K-12 entry in effect prior to 1988

<sup>†</sup>Beginning in 2012-2013, West Virginia state law requires one dose of Tdap prior to 7<sup>th</sup> grade and 12<sup>th</sup> entry

<b>Measles</b>	
<b>Year</b>	<b>Number of Reported Cases</b>
1988	6
1989	53
1990	6
1991	0
1992 <sup>†</sup>	0
1993	0
1994	36
1995	0
1996	0
1997	1
1998	0
1999	0
2000	0
2001	0
2002	0

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2003	0
2004	0
2005	0
2006	0
2007	0
2008 <sup>††</sup>	0
2009	1
2010	0
2011	0
2012	0
2013	0
2014	0
2015	0
2016	0
2017	0
2018	0
2019	0
2020	0
2021	0
2022	0

Single dose MMR vaccine requirement for K-12 entry in effect prior to 1988

<sup>†</sup>1992/1993 school year WV required 2<sup>nd</sup> dose for K-12 entry

<sup>††</sup>2008/2009 school year all pre-K immunization requirements went into effect including 1 doses of MMR after child's 1<sup>st</sup> birthday

<b>Mumps*</b>	
<b>Year</b>	<b>Number of Reported Cases</b>
1988	19
1989	19
1990	44
1991	30
1992 <sup>†</sup>	31
1993	23
1994	5
1995	0
1996	0
1997	0
1998	0
1999	0
2000	1
2001	0
2002	0
2003	0
2004	2
2005	0
2006	24
2007	3
2008 <sup>††</sup>	2
2009	1
2010	2
2011	3
2012	3
2013	3
2014	2

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2015	2
2016	5
2017	3
2018	3
2019	5
2020	2
2021	1
2022	2

Single dose MMR vaccine requirement for K-12 entry in effect prior to 1988

\*Confirmed, probable, and suspect cases

†1992/1993 school year WV required 2nd dose for K-12 entry

††2008/2009 school year all pre-K immunization requirements went into effect including 1 doses of MMR after child's 1<sup>st</sup> birthday