

# 2009 Final Pertussis Surveillance Report

## Incidence of reported pertussis, by state

	Incidence (per 100,000)	No. of Cases
ALABAMA	6.54	305
ALASKA	8.60	59
ARIZONA	4.26	277
ARKANSAS	12.92	369
CALIFORNIA	2.36	869
COLORADO	4.68	231
CONNECTICUT	1.60	56
DELAWARE	1.49	13
DISTRICT OF COLUMBIA	1.18	7
FLORIDA	2.71	497
GEORGIA	2.30	223
HAWAII	3.57	46
IDAHO	6.50	99
ILLINOIS	5.02	648
INDIANA	6.15	392
IOWA	7.83	235
KANSAS	8.56	240
KENTUCKY	5.29	226
LOUISIANA	3.38	149
MAINE	6.08	80
MARYLAND	2.63	148
MASSACHUSETTS	5.51	358
MICHIGAN	9.00	900
MINNESOTA	21.47	1,121
MISSISSIPPI	2.55	75
MISSOURI	17.17	1,015
MONTANA	6.31	61
NEBRASKA	7.91	141
NEVADA	0.92	24
NEW HAMPSHIRE	5.78	76
NEW JERSEY	2.81	244
NEW MEXICO	4.28	85
NEW YORK	2.38	265
NEW YORK CITY	1.17	98
NORTH CAROLINA	2.39	220
NORTH DAKOTA	4.68	30
OHIO	9.54	1,096
OKLAHOMA	3.21	117
OREGON	6.65	252
PENNSYLVANIA	4.94	615
RHODE ISLAND	4.28	45
SOUTH CAROLINA	5.85	262
SOUTH DAKOTA	7.21	58
TENNESSEE	3.17	197
TEXAS	13.80	3,358
UTAH	8.04	220
VERMONT	1.77	11
VIRGINIA	2.86	222
WASHINGTON	4.44	291
WEST VIRGINIA	2.20	40
WISCONSIN	3.02	170
WYOMING	4.13	22
<b>TOTAL</b>	<b>5.54</b>	<b>16,858</b>

## Reported cases: 2008 and 2009

Weeks 1-53, 2008 **13,278**

Weeks 1-52, 2009 **16,858**

## Reported Case Profiles, 2009 By Age, Weeks 1-53

Age	No. of cases	(%)	Incidence per 100,000
<6 mos	2736	(16)	126.9
6-11 mos	470	(3)	21.79
1-4 yrs	1996	(12)	11.96
5-9 yrs	3337	(20)	16.63
10-19 yrs	4265	(25)	10.26
20+ yrs	3868	(23)	1.75
Unknown	186	(1)	
<b>Total</b>	<b>16858</b>	<b>(100)</b>	<b>5.48*</b>

\*Total age incidence per 100,000 calculated from 16,672 cases with age reported.

## Pertussis Vaccination Status

Of the **16,858** case patients, **3300 (20%)** were aged 6 months to 6 years.

- **1779 (54%)** of the **3300** cases in this age group had known vaccination status
- **327 (18%)** received 0-2 doses
- **1452 (82%)** received 3 or more doses of a pertussis vaccine

*Complete vaccination data are needed to better assess the protection afforded by vaccination.*

## Vaccination History of Pertussis Cases

Age	Unk	0-2 doses	3+ doses
	No.(%)	No.(%)	No.(%)
6-11 mo	218(46)	109(23)	143(31)
1-4 yrs	962(48)	168(8)	866(44)
5-6 yrs	341(41)	50(6)	443(53)
<b>Total</b>	<b>1521(46)</b>	<b>327(18)</b>	<b>1452(82)</b>

## Reported Pertussis Deaths Occurring in 2009, Weeks 1-53

	Deaths*†
Infants, aged < 3 months:	12
Infants, aged > 3 months:	0
All other ages:	2

\*Deaths reported through NNDSS or verbal report to CDC.

†Of those with known sex (n=14), 9 were female.

## Notice to Readers: Final 2009 Reports of Notifiable Diseases

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[http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5932a5.htm?s\\_cid=mm5932a5\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5932a5.htm?s_cid=mm5932a5_w)

## Visit the new CDC Pertussis Website!

<http://www.cdc.gov/vaccines/vpd-vac/pertussis/>

Source: Meningitis and Vaccine Preventable Diseases Branch, Division of Bacterial Diseases, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention, at 404-639-3158