2024 Provisional Pertussis Surveillance Report

Reported Pertussis Incidence and Cases

STATES	Incidence (per 100,000)	No. of Cases
ALABAMA	7.67	389
ALASKA	81.11	595
ARIZONA	10.35	762
ARKANSAS	9.82	299
CALIFORNIA	4.55	1,775
COLORADO	11.22	655
CONNECTICUT	7.89	286
DELAWARE	5.20	53
D.C.	3.27	22
FLORIDA	3.29	732
GEORGIA	2.58	280
HAWAII	4.86	70
IDAHO	54.10	1,049
ILLINOIS	18.31	2,304
INDIANA	6.85	468
IOWA	11.03	353
KANSAS	8.61	253
KENTUCKY	10.44	471
LOUISIANA	2.81	129
MAINE	12.85	178
MARYLAND	3.81	235
MASSACHUSETTS	12.05	841
MICHIGAN	16.77	1,683
MINNESOTA	33.15	1,895
MISSISSIPPI	1.56	46
MISSOURI	12.51	773
MONTANA	10.24	115
NEBRASKA	21.29	419
NEVADA	0.25	8
NEW HAMPSHIRE	3.87	54
NEW JERSEY	4.57	423
NEW MEXICO	4.78	101
NEW YORK	15.30	1,735
NEW YORK CITY	11.62	969
NORTH CAROLINA	7.08	757
NORTH DAKOTA	17.71	138
OHIO	14.53	1,708
OKLAHOMA	11.67	469
OREGON	24.50	1,039
PENNSYLVANIA	22.27	2,889
RHODE ISLAND	9.14	100
SOUTH CAROLINA	5.24	277
SOUTH DAKOTA	29.46	268
TENNESSEE	5.03	355
TEXAS	3.85	1,156
UTAH	7.78	263
VERMONT	14.99	97
VIRGINIA	9.07	788
WASHINGTON	26.06	2,029
WEST VIRGINIA	1.97	35
WISCONSIN	44.92	2,647
WYOMING	0.00	0
TOTAL	**10.63**	**35,435**

Source: Single Race Vintage 2022 postcensal estimates; 2023 and 2024 estimates were not available at the time of publication.

Weeks 1-52, 2024 CDC/NCIRD/DBD/MVPDB

Notice to Readers:
Provisional 2024 Reports of Notifiable Diseases

https://wonder.cdc.gov/nndss/static/2024/52/2024-52-table990.html

NOTE: The pertussis case definition was modified by CSTE effective January 1, 2020. Criteria were modified increasing sensitivity for case ascertainment such that case counts may increase. The 2020 CSTE case definition can be viewed here: https://ndc.services.cdc.gov/case-definitions/pertussis-2020/.

Reported Pertussis Cases

2023: **7,063** 2024: **35,435**

Reported Pertussis Cases and Percent Hospitalization by Age Group

Age	No. of Cases (% of total)	Age Inc /100,000	% Hospitalized by age**
< 6 mos	1,573 (4.4)	85.4	33.4
6-11 mos	1,150 (3.2)	62.4	11.2
1-6 yrs	6,539 (18.5)	28.7	3.5
7-10 yrs	4,945 (14.0)	30.7	1.4
11-19 yrs	15,194 (42.9)	39.5	1.1
20+ yrs	6,026 (17.0)	2.4	10.3
Unknown Age	8 (0.0)	N/A	N/A
Total	**35,435 (100)**	**10.6***	**4.9**

*Total incidence per 100,000 calculated from 35,427 cases with age reported.
**Calculated from those with known hospitalization status.

Reported Pertussis Deaths

Age	Deaths*
Cases, aged < 1 yr	6
Cases, aged ≥ 1 yr	4
Total	**10**

*Confirmation of deaths is ongoing and may result in changes to the final count for 2024.

Reported DTaP Vaccine Status of Children with Pertussis, Ages 6 months through 6 years

Age	Vaccine History Unknown	Unvaccinated	Undervaccinated (1-2 doses)	Completed Primary DTaP Series (3+ doses)	Total
	No. (%)	No. (%)	No. (%)	No. (%)	No.
6-11 mo	774 (67.3)	84 (7.3)	103 (9.0)	189 (16.4)	1,150
1-4 yrs	2,992 (62.3)	370 (7.7)	212 (4.4)	1,232 (25.6)	4,806
5-6 yrs	978 (56.4)	118 (6.8)	65 (3.8)	572 (33.0)	1,733
Total	**4,744 (61.7)**	**572 (7.4)**	**380 (4.9)**	**1993 (25.9)**	**7,689**

Footnote: CDC recommends all children receive at least 3 doses of DTaP by age 6 months. DTaP coverage in the United States is very high. Over 95% of all children 19-35 months of age have received at least 3 doses of DTaP. This table illustrates a similar trend among the pertussis cases reported during 2024—the majority have received at least 3 doses of DTaP. Because protection from DTaP wanes over time, even children who are up to date with their pertussis vaccines may contract pertussis. Unvaccinated children are more likely to contract pertussis and have more severe disease than those who are fully vaccinated. These data cannot be used to interpret vaccine effectiveness or to assess risk, as the data are incomplete and there is no healthy comparison group.

National Center for Immunization and Respiratory Diseases
Division of Bacterial Diseases

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