

Table 44. Selected notifiable disease rates and number of new cases: United States, selected years 1950-2009

(Data are based on reporting by state health departments)

Disease	1950	1960	1970	1980	1990	2000	2007	2008	2009
	New cases per 100,000 population								
Diphtheria.....	3.83	0.51	0.21	0.00	0.00	0.00	-	-	-
<i>Haemophilus influenzae</i> , invasive...	---	---	---	---	---	0.51	0.85	0.96	0.99
Hepatitis A.....	---	---	27.87	12.84	12.64	4.91	1.00	0.86	0.65
Hepatitis B.....	---	---	4.08	8.39	8.48	2.95	1.51	1.34	1.12
Lyme disease <sup>1</sup> .....	---	---	---	---	---	6.53	9.21	11.67	12.71
Meningococcal disease.....	---	---	1.23	1.25	0.99	0.83	0.36	0.39	0.32
Mumps.....	---	---	55.55	3.86	2.17	0.13	0.27	0.15	0.65
Pertussis (whooping cough).....	79.82	8.23	2.08	0.76	1.84	2.88	3.49	4.40	5.54
Poliomyelitis, paralytic <sup>2</sup> .....	---	1.40	0.02	0.00	0.00	0.00	-	-	0.00
Rocky Mountain spotted fever <sup>3</sup> .....	---	---	0.19	0.52	0.26	0.18	0.77	0.85	0.60
Rubella (German measles).....	---	---	27.75	1.72	0.45	0.06	0.00	0.01	0.00
Rubeola (measles).....	211.01	245.42	23.23	5.96	11.17	0.03	0.01	0.05	0.02
Salmonellosis, excluding typhoid fever.....	---	3.85	10.84	14.88	19.54	14.51	16.03	16.92	16.18
Shigellosis.....	15.45	6.94	6.79	8.41	10.89	8.41	6.60	7.50	5.24
Tuberculosis <sup>4</sup> .....	---	30.83	18.28	12.25	10.33	6.01	4.44	4.28	3.80
Sexually transmitted diseases: <sup>5</sup>									
Syphilis <sup>6</sup> .....	146.02	68.78	44.80	30.30	54.32	11.20	13.57	15.22	14.74
Primary and secondary.....	16.73	9.06	10.80	12.00	20.26	2.12	3.80	4.44	4.60
Early latent.....	39.71	10.11	8.00	8.90	22.19	3.35	3.57	4.08	4.30
Late and late latent <sup>7</sup> .....	70.22	45.91	24.70	9.20	10.32	5.53	6.05	6.56	5.70
Congenital <sup>8</sup> .....	368.30	103.70	52.30	7.70	92.95	14.29	10.20	10.43	10.01
Chlamydia <sup>9</sup> .....	---	---	---	---	160.19	251.38	367.47	398.12	409.19
Gonorrhea <sup>10</sup> .....	192.50	145.40	294.20	442.10	276.43	128.67	118.03	110.75	99.05
Chancroid.....	3.34	0.94	0.70	0.30	1.69	0.03	0.01	0.01	0.01
	Number of new cases								
Diphtheria.....	5,796	918	435	3	4	1	-	-	-
<i>Haemophilus influenzae</i> , invasive...	---	---	---	---	---	1,398	2,541	2,886	3,022
Hepatitis A.....	---	---	56,797	29,087	31,441	13,397	2,979	2,585	1,987
Hepatitis B.....	---	---	8,310	19,015	21,102	8,036	4,519	4,033	3,405
Lyme disease <sup>1</sup> .....	---	---	---	---	---	17,730	27,444	35,198	38,468
Meningococcal disease.....	---	---	2,505	2,840	2,451	2,256	1,077	1,172	980
Mumps.....	---	---	104,953	8,576	5,292	338	800	454	1,991
Pertussis (whooping cough).....	120,718	14,809	4,249	1,730	4,570	7,867	10,454	13,278	16,858
Poliomyelitis, paralytic <sup>2</sup> .....	---	2,525	31	9	6	-	-	-	1
Rocky Mountain spotted fever <sup>3</sup> .....	---	---	380	1,163	651	495	2,221	2,563	1,815
Rubella (German measles).....	---	---	56,552	3,904	1,125	176	12	16	3
Rubeola (measles).....	319,124	441,703	47,351	13,506	27,786	86	43	140	71
Salmonellosis, excluding typhoid fever.....	---	6,929	22,096	33,715	48,603	39,574	47,995	51,040	49,192
Shigellosis.....	23,367	12,487	13,845	19,041	27,077	22,922	19,758	22,625	15,931
Tuberculosis <sup>4</sup> .....	---	55,494	37,137	27,749	25,701	16,377	13,299	12,904	11,545

Sexually transmitted diseases:<sup>5</sup>

Syphilis <sup>6</sup> .....	217,558	122,538	91,382	68,832	135,590	31,618	40,925	46,291	44,828
Primary and secondary.....	23,939	16,145	21,982	27,204	50,578	5,979	11,466	13,500	13,997
Early latent.....	59,256	18,017	16,311	20,297	55,397	9,465	10,768	12,401	13,066
Late and late latent <sup>7</sup> .....	113,569	81,798	50,348	20,979	25,750	15,594	18,256	19,945	17,338
Congenital <sup>8</sup> .....	13,377	4,416	1,953	277	3,865	580	435	445	427
Chlamydia <sup>9</sup> .....	---	---	---	---	323,663	709,452	1,108,374	1,210,523	1,244,180
Gonorrhea <sup>10</sup> .....	286,746	258,933	600,072	1,004,029	690,042	363,136	355,991	336,742	301,174
Chancroid.....	4,977	1,680	1,416	788	4,212	78	23	25	28

0.00 Rate greater than zero but less than 0.005.

-Quantity zero.

---Data not available.

<sup>1</sup>National surveillance case definition revised in 2008; probable cases not previously reported.

<sup>2</sup>Cases of vaccine-associated paralytic poliomyelitis caused by polio vaccine virus.

<sup>3</sup>Revision of national surveillance case definition distinguishing between confirmed and probable cases; total case count includes two case reports with unknown case status.

<sup>4</sup>Case reporting for tuberculosis began in 1953. Data prior to 1975 are not comparable with subsequent years because of changes in reporting criteria effective in 1975. Data from 1993 to 2009 were updated through the Division of Tuberculosis Elimination, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP), as of May 14, 2010.

<sup>5</sup>Starting with 1991, data include both civilian and military cases.

Adjustments to the number of cases reported from state health departments were made for hardcopy forms and for electronic data submissions through June 9, 2010. For 1950, data for Alaska and Hawaii were not included.

Cases and rates shown, do not include outlying areas of Guam, Puerto Rico, and the Virgin Islands.

<sup>6</sup>Includes stage of syphilis not stated.

<sup>7</sup>Includes cases of unknown duration.

<sup>8</sup>Rates include all cases of congenitally acquired syphilis per 100,000 live births.

Cases of congenitally acquired syphilis were reported through 1994; starting with 1995 data, only congenital syphilis for cases less than 1 year of age were reported.

See STD Surveillance Report for congenital syphilis rates per 100,000 live births.

<sup>9</sup>Prior to 1994, chlamydia was not notifiable. In 1994-1999, cases for New York were exclusively reported by New York City. Starting with 2000 data, includes cases for the entire state.

<sup>10</sup>Data for 1994 do not include cases from Georgia.

NOTES: The total resident population was used to calculate all rates except sexually transmitted diseases (STDs), which used the civilian resident population prior to 1991.

STD rates for 1990-2002 have been revised and may differ from previous editions of *Health, United States*. Revised rates are due to revision of population estimates to incorporate bridged single-race estimates.

2008 population estimates were used to calculate 2009 rates.

See Appendix I, Sexually Transmitted Disease (STD) Surveillance; Population Census and Population Estimates.

Population data from states where diseases were not notifiable or not available were excluded from the rate calculation; see Appendix II, Notifiable Disease. See Appendix I, National Notifiable Disease Surveillance System (NNDSS), for information on underreporting of notifiable diseases. Data for additional years are available. See Appendix III.

SOURCE: CDC, Office of Surveillance, Epidemiology and Laboratory Services (OSELS), Public Health Surveillance Program Office (PHSPO), Division of Notifiable Diseases and Healthcare Information (DNHDI) (Proposed).

2009. MMWR 2011;58(53):1-104 and CDC.

[http://www.cdc.gov/osels/ph\\_surveillance/nndss/nndsshis.htm](http://www.cdc.gov/osels/ph_surveillance/nndss/nndsshis.htm).

Sexually transmitted disease surveillance, 2009.

Atlanta, GA: U.S. Department of Health and Human Services, 2010.  
<http://www.cdc.gov/std/stats09surv2009-Complete.pdf>.  
See Appendix I, National Notifiable Disease Surveillance System (NNDSS).

*Health, United States 2010, web update*