

Births, Marriages, Divorces, and Deaths: Provisional Data for 2009

Births, Marriages, Divorces, and Deaths: Provisional Data for December 2009 will be the final issue of the monthly provisional data series. See the **NVSR Monthly Provisional Notice** (http://www.cdc.gov/nchs/products/nvsr/monthly_provisional_notice.htm) for more information.

Table A. Provisional vital statistics for the United States, December 2009

[Rates for infant deaths are deaths under 1 year per 1,000 live births; fertility rates are live births per 1,000 women aged 15–44 years; all other rates are per 1,000 total population. National data are based on events occurring in the United States, regardless of place of residence. Data are subject to monthly reporting variation. See “Technical Notes”]

Item	December				12 months ending with December				
	Number		Rate		Number		Rate		
	2009	2008	2009	2008	2009	2008	2009	2008	2007
Live births	344,000	351,000	13.1	13.5	4,136,000	4,247,000	13.5	13.9	14.3
Fertility rate . . . . .	...	...	65.5	66.6	...	...	66.8	68.4	69.2
Deaths	216,000	213,000	8.3	8.2	2,426,000	2,453,000	7.9	8.1	8.0
Infant deaths	2,000	2,200	5.9	6.3	26,200	27,600	6.3	6.5	6.6
Natural increase	128,000	138,000	4.8	5.3	1,710,000	1,794,000	5.6	5.8	6.3
Marriages ¹	138,000	140,000	5.3	5.4	2,077,000	2,157,000	6.8	7.1	7.3
Divorces ²	---	---	---	---	---	---	3.4	3.5	3.6
Population base (in millions) . . . . .	...	...	308.1	305.8	...	...	306.8	304.5	302.2

... Category not applicable.
 --- Data not available.

¹The 12-month ending marriage figures for 2007 excludes data for Louisiana. The population for this marriage rate also excludes Louisiana.
²Divorce figures exclude data for California, Georgia, Hawaii, Indiana, Louisiana, and Minnesota. Populations for divorce rates also exclude these states.
 NOTE: Figures include all revisions received from the states and, therefore, may differ from those previously published; see “Technical Notes.”

Technical Notes

Data shown here are provisional and include only events occurring within the United States (50 states and the District of Columbia). Tables by state also include events occurring in Puerto Rico. Provisional birth, death, and infant death data in this report are based on a combination of counts of events provided by each reporting area and registered vital events processed into National Center for Health Statistics (NCHS) data files. Some of these may not have occurred in the specified month of this report. Monthly provisional birth, death, and infant death data may be updated during the course of a data year. Updates based on registered events will be included in the month the event occurred. However, updates based on counts received from the states may include the event in the month it was processed rather than the month in which it occurred. This may result in a low figure for a given month followed

by a high figure for the month(s) in which the delayed records were processed. Once the provisional data year has ended, updates cease. Thus, provisional birth, death, and infant death data may not accurately track either the preliminary or the final number of events registered.

Marriage and divorce data in this report are counts of all events occurring in the state that were received in the registration offices during the 1-month period. Divorce figures include reported annulments. There is considerable variability among the states in the procedures that are used to submit the counts of marriages and divorces to NCHS and in the extent to which the states update their counts of marriages and divorces as new information is received. Therefore, counts vary in their completeness. Marriage and divorce counts, unlike other provisional data, may be updated after the end of a data year if final counts are provided by the state. Readers seeking further information on this should contact NCHS at births@cdc.gov.



Table B. Provisional number of live births, marriages, deaths, and infant deaths and rates, by month: United States, January 2008–December 2009

[National data are based on events occurring in the United States, regardless of place of residence. Data are provisional and are subject to monthly reporting variation; see "Technical Notes"]

Period	Live births				Marriages		Deaths		Infant deaths	
	Number	Rate per 1,000 population	Rate per 1,000 women aged 15–44 years		Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate per 1,000 live births
			Unadjusted	Seasonally adjusted ¹						
2008										
January	356,000	13.9	67.8	71.2	107,000	4.2	224,000	8.7	2,500	6.9
February	338,000	14.1	68.7	70.2	138,000	5.7	222,000	9.3	2,300	6.8
March	350,000	13.6	66.6	67.1	147,000	5.7	231,000	9.0	2,400	6.9
April	346,000	13.9	67.9	69.2	163,000	6.5	206,000	8.3	2,200	6.4
May	355,000	13.8	67.5	68.5	211,000	8.2	201,000	7.8	2,400	6.6
June	349,000	14.0	68.5	67.1	239,000	9.6	190,000	7.6	2,200	6.4
July	376,000	14.6	71.4	70.0	213,000	8.3	191,000	7.4	2,300	6.2
August	373,000	14.5	70.9	68.0	251,000	9.7	191,000	7.4	2,400	6.5
September	369,000	14.8	72.4	68.4	198,000	7.9	186,000	7.5	2,100	5.9
October	359,000	13.9	68.2	68.1	206,000	8.0	198,000	7.7	2,300	6.4
November	325,000	13.0	63.8	64.7	145,000	5.8	200,000	8.0	2,200	6.5
December	351,000	13.5	66.6	68.1	140,000	5.4	213,000	8.2	2,200	6.3
2009										
January	339,000	13.0	64.4	67.7	123,000	4.8	222,000	8.6	2,300	6.6
February	317,000	13.5	66.8	68.3	127,000	5.4	200,000	8.5	2,100	6.5
March	348,000	13.4	66.3	66.9	146,000	5.6	216,000	8.3	2,300	6.7
April	337,000	13.4	66.4	67.6	163,000	6.5	203,000	8.0	2,300	6.9
May	345,000	13.3	65.7	66.7	179,000	6.9	199,000	7.7	2,300	6.5
June	348,000	13.8	68.3	66.9	217,000	8.6	191,000	7.6	2,200	6.3
July	369,000	14.2	70.2	68.7	217,000	8.3	194,000	7.4	2,100	5.9
August	360,000	13.8	68.6	65.8	212,000	8.1	192,000	7.4	2,300	6.4
September	362,000	14.3	71.2	67.3	205,000	8.1	188,000	7.5	2,100	5.9
October	347,000	13.3	66.1	66.0	196,000	7.5	206,000	7.9	2,200	6.3
November	319,000	12.6	62.8	63.7	153,000	6.1	199,000	7.9	2,000	6.1
December	344,000	13.1	65.5	66.9	138,000	5.3	216,000	8.3	2,000	5.9

¹The method of seasonal adjustment, developed by the U.S. Census Bureau, is described in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

NOTE: Figures include all revisions received from the states and, therefore, may differ from those previously published; see "Technical Notes."

Tables A and B provide monthly, year-to-date, and 12-month ending counts and rates for births, deaths (excluding fetal deaths), and marriages, and 12-month ending rates for divorces. These counts include events occurring in the United States to nonresidents of the United States and differ from the data in preliminary and final reports that are based on place of residence. Birth, death, and infant death figures (death and infant death figures exclude fetal deaths) in Table 1 for each state are estimates by state of residence. These estimates are derived by applying adjustment ratios to the number of events recorded as occurring in the state during a 1-month period. The adjustment ratios for each data year represent the observed relationship between final state occurrence figures and final state residence figures for the 3 most recent years for which final data were available and are expressed as a single ratio for each state for births and deaths. Monthly state marriage and divorce figures shown in Table 2 represent the actual count of all events occurring in the state (state of occurrence) and are not adjusted by state of residence.

Until 1998, provisional totals for births, marriages, and divorces for the entire United States included corrections for observed differences between provisional and final figures. These corrections compensated for delays in reporting. Beginning with data for January 1998,

these monthly corrections for births, marriages, and divorces have been discontinued. Further information on these changes has been provided in the *National Vital Statistics Reports* presenting provisional data for January (vol. 48, no. 1), February (vol. 48, no. 2), and March (vol. 48, no. 4) 1999, available from <http://www.cdc.gov/nchs>.

NCHS has ceased publishing divorce counts and rates based on provisional data from the combined 50 states because it is no longer statistically feasible to calculate estimates of monthly divorce counts for nonreporting states (California, Georgia, Hawaii, Indiana, Louisiana, and Minnesota). Instead, NCHS publishes only the 12-month divorce rates shown in Table A, based solely on the combined counts and populations for reporting states and the District of Columbia. Aggregate 1-month, cumulative counts and rates, and 12-month counts for divorces have been discontinued because of their very limited usefulness when based on less than the full complement of states. Monthly marriage and divorce counts as reported by each state will continue to be shown in Table 2.

Population estimates used for computing rates originate from the U.S. Census Bureau and are based on the 2000 census. All population estimates used for a single data year are based on population estimates of the same vintage (that is, the same reference year). Changes in rates

between years in part reflect differences between vintages of the population estimates. Monthly population estimates may fluctuate from month to month even among estimates of the same vintage. This is especially true for population subgroups (e.g., females 15–44). This monthly variability in population estimates will be reflected in population based rates. Monthly rates are based on populations estimated for the specific month. Year-to-date rates are averages of monthly rates that have been weighted by the number of days in the corresponding months. Rates for 12-month periods are the sum of events for the period per population estimated at the midpoint of the period. Populations have been estimated by NCHS for the 12-month divorce rates based on the 44 reporting states and the District of Columbia. Monthly infant mortality rates are based on relatively few events and are highly variable. As a result, NCHS has discontinued publishing provisional monthly state specific infant mortality rates. National monthly infant mortality rates will continue to be available in [Tables A](#) and [B](#).

List of Detailed Tables

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Table 1. Provisional number of live births and deaths: Each state and Puerto Rico, December 2008 and 2009, and cumulative figures, 2007–2009

[Data are estimates by state of residence]

Area	Live births					Deaths				
	December		January–December			December		January–December		
	2009	2008	2009	2008	2007	2009	2008	2009	2008	2007
Alabama	5,352	5,695	62,478	64,683	65,219	4,330	4,188	47,366	47,821	46,764
Alaska	861	944	11,294	11,444	11,060	286	309	3,610	3,503	3,486
Arizona	7,775	8,391	92,925	99,873	103,646	4,026	3,898	45,464	45,493	45,215
Arkansas	3,400	3,519	39,738	40,269	40,939	2,590	2,615	28,810	29,330	28,324
California	45,831	45,835	530,659	551,592	566,388	21,135	19,602	232,409	232,719	237,059
Colorado	5,572	5,718	68,705	70,271	70,992	2,824	2,731	31,162	31,402	30,077
Connecticut	3,060	3,123	39,083	40,406	41,684	2,477	2,346	28,446	28,610	28,536
Delaware	891	941	11,414	11,810	11,774	658	689	7,650	7,475	7,332
District of Columbia	639	651	7,938	7,794	7,628	338	501	4,848	5,115	5,217
Florida	18,622	19,812	220,650	231,395	239,273	14,624	14,751	169,959	170,535	167,196
Georgia	11,884	12,606	141,334	146,411	147,294	6,039	6,045	67,402	68,055	65,913
Hawaii	1,573	1,658	18,864	19,431	19,110	774	798	9,270	9,270	9,319
Idaho	1,849	1,985	23,793	25,288	25,053	999	931	11,124	11,006	10,967
Illinois	14,166	14,144	171,214	176,673	182,135	10,031	9,073	100,431	100,247	100,049
Indiana	7,112	7,362	86,852	88,176	89,916	4,993	4,934	56,088	54,612	54,246
Iowa	3,247	3,349	39,589	40,156	40,778	2,513	2,639	27,563	28,731	27,304
Kansas	3,469	3,496	41,602	41,687	42,268	2,104	2,132	23,690	24,643	24,307
Kentucky	4,742	5,052	57,263	58,402	59,127	2,996	3,300	40,230	40,720	39,315
Louisiana	5,659	5,659	65,085	64,396	65,219	3,078	3,054	39,217	39,634	38,611
Maine	1,052	1,044	13,506	13,672	14,177	1,256	1,056	12,579	12,433	12,398
Maryland	6,411	6,519	76,329	78,774	79,476	3,804	4,021	43,448	43,786	43,715
Massachusetts	6,010	6,080	74,643	76,526	77,731	4,576	4,780	51,912	52,892	53,109
Michigan	9,206	9,727	117,257	120,997	125,880	7,585	7,682	85,546	88,450	86,740
Minnesota	5,765	5,719	70,414	72,213	73,599	3,335	3,605	37,767	38,529	37,116
Mississippi	3,703	4,003	43,188	45,411	46,690	2,406	2,533	28,081	28,910	28,236
Missouri	6,472	6,733	78,624	81,099	81,827	4,820	4,897	54,601	56,919	54,463
Montana	936	1,020	12,212	12,561	12,407	761	788	8,721	8,907	8,616
Nebraska	2,190	2,213	27,034	26,914	26,967	1,304	1,363	14,900	15,492	15,280
Nevada	3,292	2,895	38,723	39,167	41,041	1,761	1,409	19,680	18,942	19,771
New Hampshire	1,031	1,080	13,746	14,066	14,397	846	902	10,157	10,272	10,178
New Jersey	8,946	9,292	109,978	112,658	115,294	6,126	5,758	68,339	68,506	69,172
New Mexico	2,292	2,197	28,841	29,683	30,392	1,259	1,265	15,200	15,586	15,261
New York	21,072	20,775	255,332	255,284	258,249	13,221	13,231	145,952	149,634	148,378
North Carolina	10,492	11,187	127,237	131,251	131,314	6,916	6,865	77,164	77,392	76,093
North Dakota	741	741	8,958	8,973	8,837	505	494	6,022	5,939	5,648
Ohio	11,691	12,405	144,929	148,850	150,892	9,577	9,849	107,268	109,831	106,772
Oklahoma	4,802	4,796	53,786	54,898	55,372	3,165	3,330	35,447	36,945	36,074
Oregon	3,663	3,873	47,016	48,619	48,957	2,779	2,707	31,538	31,767	29,186
Pennsylvania	11,991	11,956	146,851	148,640	149,970	11,397	9,700	124,724	125,754	124,485
Rhode Island	933	923	11,494	12,006	12,503	802	810	9,410	9,774	9,751
South Carolina	5,086	5,444	60,412	63,001	62,851	3,615	3,302	38,435	38,354	37,763
South Dakota	990	926	11,984	12,089	12,344	617	526	6,948	6,946	6,821
Tennessee	6,909	7,076	81,930	85,319	85,894	5,312	5,269	58,067	58,676	56,948
Texas	34,363	32,880	396,278	403,019	405,376	14,469	14,523	162,289	163,991	158,740
Utah	4,223	4,376	54,034	55,559	55,002	1,243	1,210	14,205	14,064	14,142
Vermont	458	469	6,118	6,275	6,492	450	462	4,981	5,119	4,919
Virginia	8,697	8,889	104,917	107,150	109,615	5,245	5,380	58,418	59,038	57,954
Washington	6,937	7,236	89,460	90,721	89,387	4,054	3,912	47,973	48,347	47,043
West Virginia	1,768	1,804	20,982	21,005	21,432	1,907	1,947	21,291	21,466	20,912
Wisconsin	5,415	5,795	71,217	72,471	72,932	3,784	4,201	45,121	46,813	46,130
Wyoming	605	649	7,780	7,976	7,858	352	383	4,200	4,175	4,200
Puerto Rico	3,226	4,062	43,616	45,367	46,551	1,680	2,573	27,836	28,570	28,606

NOTE: Figures include all revisions received from the states and, therefore, may differ from those previously published; see "Technical Notes."

Table 2. Provisional number of marriages and divorces: Each state and Puerto Rico, December 2008 and 2009, and cumulative figures, 2007–2009

[By state of occurrence. Divorces include reported annulments]

Area	Marriages					Divorces				
	December		January–December			December		January–December		
	2009 ¹	2008 ²	2009 ¹	2008 ²	2007 ²	2009 ¹	2008 ²	2009 ¹	2008 ²	2007 ²
Alabama	2,684	3,041	37,284	40,638	41,622	1,651	1,627	20,158	20,311	21,255
Alaska	361	420	5,525	5,790	5,800	381	260	3,324	2,998	2,897
Arizona ³	3,236	2,884	35,338	37,772	39,495	1,916	2,051	23,140	23,985	24,515
Arkansas	2,489	776	31,622	30,476	34,275	1,355	1,052	16,262	15,755	16,858
California	15,208	16,069	213,922	247,022	225,920	---	---	---	---	---
Colorado	1,316	2,196	37,439	35,964	34,160	1,901	1,794	21,197	20,993	21,177
Connecticut	2,046	1,407	19,800	19,099	19,502	1,016	1,324	10,837	12,016	11,194
Delaware	321	283	5,138	4,826	4,970	231	281	3,417	3,057	3,215
District of Columbia	104	115	1,892	2,367	2,418	115	111	1,324	1,562	994
Florida	10,002	11,459	141,175	147,882	155,929	6,055	6,082	79,915	79,859	84,373
Georgia	4,250	548	63,640	57,361	64,034	---	---	---	---	---
Hawaii	1,243	1,621	22,215	25,461	27,346	---	---	---	---	---
Idaho	820	1,024	13,873	14,649	14,981	635	591	7,700	7,429	7,348
Illinois	5,129	4,590	72,741	74,935	76,830	2,740	2,775	32,746	32,497	33,239
Indiana	4,923	4,932	52,900	51,671	44,441	---	---	---	---	---
Iowa	796	963	21,172	19,566	19,895	530	699	7,298	7,752	7,622
Kansas	1,683	2,817	18,475	18,775	19,024	1,027	1,776	10,303	9,953	9,426
Kentucky	1,714	2,318	33,422	33,928	33,351	1,634	1,675	19,931	19,690	19,743
Louisiana	624	2,406	28,716	30,032	32,787	---	---	---	---	---
Maine	612	463	9,446	9,841	9,870	279	492	5,323	5,585	5,614
Maryland	2,170	2,323	32,403	33,601	36,618	1,288	1,482	15,221	16,167	16,662
Massachusetts	2,075	1,919	36,701	36,923	37,895	1,274	837	12,725	12,871	14,644
Michigan	2,895	3,113	53,143	55,465	56,996	3,006	2,547	32,456	33,527	34,502
Minnesota	1,333	1,464	28,382	28,581	30,070	---	---	---	---	---
Mississippi	865	1,077	14,480	15,157	15,824	821	950	12,210	12,659	13,095
Missouri	2,306	2,476	39,767	40,146	40,405	1,814	1,918	23,299	22,132	22,223
Montana	398	451	7,132	7,467	7,263	399	276	3,904	4,042	3,901
Nebraska	306	712	12,468	12,353	12,159	153	510	5,379	5,914	6,151
Nevada	7,416	8,564	108,150	112,185	126,354	1,531	1,379	17,682	16,909	16,593
New Hampshire	451	423	8,509	8,993	9,350	279	409	4,868	5,080	4,981
New Jersey	2,349	2,852	46,291	46,689	46,519	1,957	2,024	23,978	25,766	25,687
New Mexico ⁴	952	507	10,208	8,033	11,229	626	431	7,969	8,148	8,434
New York ³	8,442	8,265	120,137	126,891	129,943	4,171	4,607	46,070	53,151	55,068
North Carolina	4,448	4,448	65,817	64,308	63,932	2,895	2,895	36,708	35,618	36,205
North Dakota	220	251	4,305	4,280	4,316	71	165	1,596	1,908	1,925
Ohio	4,067	4,207	64,766	68,904	70,632	2,312	2,844	36,861	38,067	38,884
Oklahoma	1,987	1,974	23,539	25,959	26,508	1,475	1,587	16,858	19,424	18,954
Oregon	1,433	1,654	23,530	26,139	26,664	1,067	1,168	13,277	14,809	14,499
Pennsylvania	3,721	3,721	64,218	69,974	71,094	3,138	3,138	28,828	34,411	35,508
Rhode Island	337	337	6,540	6,474	6,786	222	222	3,345	2,805	3,006
South Carolina	1,835	2,246	29,164	33,278	34,908	939	858	12,222	12,802	13,194
South Dakota	314	347	5,874	6,176	6,170	242	259	2,627	2,449	2,442
Tennessee	5,729	4,183	55,239	58,464	62,149	2,148	2,045	25,843	26,546	26,501
Texas	11,867	11,477	179,776	177,030	176,313	2,014	6,633	76,909	79,840	77,810
Utah	1,743	1,743	23,888	23,888	25,060	1,849	846	10,739	10,013	9,491
Vermont	277	227	4,701	4,937	5,317	279	250	2,102	2,252	2,256
Virginia	3,839	3,972	54,108	56,300	58,289	2,793	2,817	28,527	29,456	29,516
Washington	2,711	2,474	40,357	41,643	41,397	2,187	2,265	26,251	25,728	26,138
West Virginia	747	871	12,422	12,977	13,303	736	720	9,237	8,895	9,299
Wisconsin	1,184	1,542	30,271	31,444	32,159	1,525	1,334	17,270	16,885	16,458
Wyoming	81	307	4,718	4,683	4,826	79	222	2,833	2,667	2,610
Puerto Rico	2,450	2,550	18,749	19,045	21,603	1,661	1,515	14,920	14,880	15,454

--- Data not available.

¹Figures based on monthly counts and may be underreported.²Figures based on final annual counts.³Figures for marriages are licenses issued for some counties.⁴Figures for marriages are marriage licenses issued.

NOTE: Figures include all revisions received from the states and, therefore, may differ from those previously published; see "Technical Notes."

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