# National Vital Statistics Reports



Volume 58, Number 22 July 9, 2010

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

# Table A. Provisional vital statistics for the United States, October 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"]

	October				January-October				12 months ending with October				
	Number		Rate		Number		Rate		Number		Rate		
Item	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2007
Live births	347,000	359,000	13.3	13.9	3,473,000	3,572,000	13.6	14.1	4,148,000	4,280,000	13.5	14.1	14.3
Fertility rate			66.1	68.2			67.4	69.0			67.1	68.9	69.2
Deaths	206,000	198,000	7.9	7.7	2,010,000	2,040,000	7.9	8.1	2,422,000	2,453,000	7.9	8.1	8.0
Infant deaths	2,200	2,300	6.3	6.4	22,200	23,200	6.4	6.5	26,600	28,000	6.4	6.5	6.6
Natural increase	141,000	161,000	5.4	6.2	1,463,000	1,532,000	5.7	6.0	1,726,000	1,827,000	5.6	6.0	6.3
Marriages <sup>1</sup>	196,000	206,000	7.5	8.0	1,786,000	1,872,000	7.0	7.4	2,071,000	2,164,000	6.8	7.1	7.3
Divorces <sup>2</sup>											3.4	3.5	3.6
Population base (in millions)			307.6	305.3							306.3	304.0	301.7

<sup>...</sup> Category not applicable.

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.





<sup>---</sup> Data not available.

<sup>&</sup>lt;sup>1</sup>The 12-month ending marriage figures for 2007 excludes data for Louisiana. The population for this marriage rate also excludes Louisiana.

<sup>&</sup>lt;sup>2</sup>Divorce figures exclude data for California, Georgia, Hawaii, Indiana, Louisiana, and Minnesota. Populations for divorce rates also exclude these states.

Table B. Provisional number of live births, marriages, deaths, and infant deaths and rates, by month: United States, January 2008-October 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"1

	Live births					Marriages	Deaths		Infant deaths	
Period				Rate per 1,000 women aged 15–44 years						
	Number	Rate per 1,000 population	Unadjusted	Seasonally adjusted <sup>1</sup>	Number	Rate per 1,000 population	Number	Rate per 1,000 population	Number	Rate per 1,000 live births
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

<sup>1</sup>The 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

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 beendiscontinued. 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.

In 2006, in the aftermath of Hurricane Katrina, Louisiana temporarily suspended collection of marriage counts (Louisiana does not provide NCHS with divorce counts; see previous paragraph). The 12-month ending marriage rate shown in Table A for 2007, which is computed based on marriages that occurred in 2006, excludes Louisiana data; the population for this rate also excludes Louisiana. Louisiana reinstated the collection of marriage counts in 2007.

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.

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

[Data are estimates by state of residence]

			Live births			Deaths					
	Oct	ober	J	anuary-Octobe	er	Octo	ober	J	anuary-Octobe	er	
Area	2009	2008	2009	2008	2007	2009	2008	2009	2008	2007	
Alabama	5,217	5,511	52,203	54,104	54,216	4,054	3,764	39,229	39,708	38,816	
Alaska	956	977	9,538	9,644	9,288	278	336	2,996	2,910	2,894	
Arizona	7,938	8,476	77,838	83,683	86,452	3,743	3,648	37,724	38,030	37,644	
Arkansas	3,466	3,280	33,223	33,652	34,073	2,416	2,326	23,760	24,363	23,497	
California	46,661	46,660	441,992	462,918	472,528	19,319	18,345	192,019	195,139	197,152	
Colorado	5,666	5,698	57,879	59,171	59,541	2,799	2,490	25,782	26,114	25,063	
Connecticut	3,158	3,403	33,006	34,259	35,091	2,404	2,362	23,661	24,084	23,565	
Delaware	939	987	9,629	9,958	9,872	662	609	6,393	6,153	6,064	
District of Columbia	661	639	6,670	6,535	6,380	397	390	4,076	4,238	4,321	
Florida	18,897	19,762	184,345	193,656	198,774	13,689	13,669	141,780	141,832	139,809	
Georgia	11,817	12,954	118,156	121,121	121,840	5,618	5,623	55,596	56,243	55,634	
Hawaii	1,618	1,701	15,774	16,235	15,972	777	729	8,226	7,750	7,779	
Idaho	1,956	2,054	20,061	21,449	21,111	945	885	9,226	9,207	9,091	
Illinois	14,190	14,728	143,983	149,458	152,118	8,430	8,288	82,022	82,849	82,322	
Indiana	7,383	7,215	73,102	74,647	75,184	4,719	4,206	46,504	44,898	44,954	
lowa	3,287	3,270	33,350	33,774	34,270	2,418	2,328	22,778	23,703	22,452	
Kansas	3,585	3,511	34,780	35,049	35,473	2,031	1,954	19,633	20,611	20,178	
Kentucky	4,824	4,973	48,127	48,972	49,415	3,430	3,274	33,919	33,978	32,938	
Louisiana.	5,578	5,577	54,221	53,658	53,960	3,604	3,214	33,416	33,452	31,846	
	1,134	1,103	11,467	11,617	12,007	1,044	1,011	10,388	10,390	10,375	
Maine	6,411	6,559	63,887	66,293	66,500	,		36,328	36,023	36,275	
Maryland	6,293		62,946	64,880	,	3,671 4,538	3,550	42,942		36,275 44,119	
Massachusetts		6,447			65,349		4,219		43,659		
Michigan	9,615	9,853	99,076	102,230	105,869	7,248	7,417	71,003	73,529	71,688	
Minnesota	5,885	6,051	59,320	61,192	61,949	3,380	3,194	31,375	31,735	30,481	
Mississippi	3,608	3,839	36,114	37,787	38,751	2,341	2,303	23,301	23,984	23,541	
Missouri	6,612	6,696	66,052	68,371	68,395	4,641	4,451	45,300	47,416	45,134	
Montana	991	1,022	10,399	10,646	10,408	759	769	7,272	7,393	7,154	
Nebraska	2,328	2,200	22,770	22,684	22,623	1,243	1,239	12,327	12,871	12,582	
Nevada	3,267	3,259	32,435	33,312	34,352	1,673	1,482	16,319	16,135	16,567	
New Hampshire	1,126	1,121	11,693	11,956	12,143	897	863	8,441	8,551	8,386	
New Jersey	9,189	9,543	92,680	94,891	97,112	5,765	5,015	56,604	57,414	57,390	
New Mexico	2,432	2,526	24,290	25,078	25,476	1,340	1,190	12,743	13,065	12,632	
New York	21,498	21,775	214,348	214,868	216,032	12,455	12,375	120,589	124,228	122,540	
North Carolina	10,633	11,105	106,885	109,781	109,615	6,708	6,311	64,052	64,061	62,953	
North Dakota	749	770	7,531	7,567	7,415	550	506	5,010	4,967	4,620	
Ohio	12,093	12,408	122,205	125,355	126,653	9,224	8,894	88,694	90,712	87,954	
Oklahoma	4,226	4,754	44,857	45,973	46,324	3,123	2,921	29,436	30,584	29,909	
Oregon	3,893	4,068	39,818	41,184	41,301	2,626	2,654	26,086	26,536	23,975	
Pennsylvania	12,325	12,304	123,741	125,584	125,410	10,405	10,364	102,988	105,842	103,434	
Rhode Island	952	1,038	9,710	10,107	10,615	828	821	7,835	8,195	8,086	
South Carolina	4,995	5,391	50,862	52,649	52,245	3,212	3,105	31,446	31,825	31,010	
South Dakota	936	1,010	10,058	10,274	10,356	656	576	5,697	5,790	5,600	
Tennessee	6,891	7,158	68,626	71,841	72,003	5,051	4,803	47,951	48,475	47,165	
Texas	31,762	35,429	333,626	338,292	336,592	13,734	13,232	134,293	136,258	131,107	
Utah	4,462	4,467	45,827	47,195	46,579	1,195	1,191	11,819	11,744	11,745	
Vermont	519	498	5,216	5,350	5,449	432	436	4,109	4,231	4,230	
Virginia	8,885	9,012	88,208	90,220	91,706	5,022	5,022	48,347	48,784	48,051	
Washington	7,459	7,566	75,735	76,712	75,215	4,127	3,904	39,975	40,641	38,747	
West Virginia	1,701	1,804	17,627	17,632	18,048	1,786	1,696	17,581	17,761	17,223	
Wisconsin	5,910	6,086	60,320	61,355	61,442	3,850	3,865	37,568	38,667	38,058	
Wyoming	662	678	6,629	6,732	6,610	425	348	3,525	3,461	3,524	
Puerto Rico	3,988	4,102	36,670	37,622	38,571	2,362	2,314	23,974	23,686	23,882	
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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, October 2008 and 2009, and cumulative figures, 2007–2009

[By state of occurrence. Divorces include reported annulments]

			Marriages			Divorces					
	Oct	ober	J	anuary-Octobe	er	Oct	ober	J	anuary-Octob	er	
Area	2009 <sup>1</sup>	2008 <sup>2</sup>	2009 <sup>1</sup>	2008 <sup>2</sup>	2007 <sup>2</sup>	2009 <sup>1</sup>	2008 <sup>2</sup>	2009 <sup>1</sup>	2008 <sup>2</sup>	2007 <sup>2</sup>	
Alabama	3,545	3,655	31,752	34,700	35,696	1,750	1,630	17,159	17,377	18,221	
Alaska	374	370	4,844	5,057	4,990	533	231	2,751	2,534	2,469	
Arizona <sup>3</sup>	2,815	3,918	29,202	32,209	33,622	1,828	2,284	19,546	20,236	20,604	
Arkansas	3,154	2,922	26,943	27,754	29,341	1,501	1,399	13,528	13,638	14,321	
California	16,447	24,586	185,460	217,255	198,047						
Colorado	4,399	3,101	32,664	31,817	30,300	1,919	1,853	17,675	17,628	17,641	
Connecticut	2,846	2,021	15,700	16,223	17,220	1,709	917	9,200	9,393	9,574	
Delaware	1,063	521	4,295	4,207	4,380	522	294	2,905	2,596	2,678	
District of Columbia	270	281	1,641	2,130	2,155	105	163	1,015	1,335	807	
Florida	12,009	12,411	121,157	123,967	131,064	7,008	7,104	66,855	68,288	72,744	
Georgia	6,963	5,527	55,049	50,278	55,166						
Hawaii	1,808	2,198	19,393	22,094	23,435						
Idaho	1,393	1,120	12,215	12,726	13,082	813	681	6,400	6,301	6,153	
	7,952		63,050					,			
Illinois	,	7,811	42,965	65,249 41,921	65,795 38,738	2,590	2,823	27,536	27,358	27,844	
Indiana	5,161	4,840									
lowa	2,619	2,058	18,777	17,441	17,725	567	660	6,142	6,531	6,289	
Kansas	1,860	2,092	15,814	14,919	15,028	1,229	883	8,612	7,484	6,891	
Kentucky	3,461	3,593	29,110	29,349	29,387	1,900	1,582	16,899	16,577	16,707	
Louisiana	3,910	2,719	25,859	25,103	25,998						
Maine	1,075	994	8,249	8,937	9,026	436	509	4,526	4,716	4,742	
Maryland	3,493	3,479	28,115	28,979	31,730	1,123	1,457	12,544	13,496	13,669	
Massachusetts	3,879	4,318	32,018	32,709	33,352	818	983	9,089	11,081	12,483	
Michigan	5,818	5,554	47,506	49,445	50,803	3,032	3,088	27,053	28,641	29,417	
Minnesota	3,363	3,433	25,849	25,704	27,251						
Mississippi	1,284	1,364	12,517	12,917	13,567	1,011	1,113	10,489	10,784	11,118	
Missouri	4,036	4,418	34,814	34,892	35,277	1,769	1,924	19,293	18,586	18,653	
Montana	549	524	6,418	6,696	6,482	261	373	3,171	3,495	3,311	
Nebraska	850	1,131	11,422	10,898	10,707	513	515	4,728	4,959	5,122	
Nevada	8,921	9,479	93,262	96,193	108,980	1,402	1,494	14,820	14,215	13,819	
New Hampshire	1,054	1,055	7,661	8,127	8,440	349	433	4,122	4,303	4,297	
New Jersey	5,341	4,976	39,770	40,307	40,319	2,131	2,343	20,429	22,312	22,135	
New Mexico <sup>4</sup>	1,057	579	8,457	7,117	9,948	705	713	6,715	7,139	7,254	
New York <sup>3</sup>	8,902	11,922	103,581	110,651	113,242	2,819	4,637	38,317	45,124	49,084	
North Carolina	5,457	6,611	55,334	55,278	55,211	3,416	2,846	30,660	30,336	30,782	
	425	386	3,787	3,783	3,792		153		1,634	1,613	
North Dakota			52,970		62,208	148		1,410		33,098	
	7,665	7,406		60,414		4,015	3,198	30,964	32,829		
Oklahoma	2,238	2,457	19,933	22,382	22,957	1,742	2,210	14,015	16,660	16,145	
Oregon	2,612	1,873	20,289	23,024	23,732	1,229	1,329	11,062	12,565	12,220	
Pennsylvania	6,697	6,697	56,674	62,430	63,714	3,007	3,007	23,278	28,861	29,449	
Rhode Island	821	703	5,511	5,745	6,052	425	318	2,872	2,425	2,580	
South Carolina	2,129	3,263	24,722	28,607	30,275	1,303	1,216	10,051	10,983	11,100	
South Dakota	517	563	5,286	5,583	5,593	228	219	2,168	1,996	2,024	
Tennessee	4,556	5,929	44,647	50,047	53,436	2,209	2,195	22,079	22,509	22,730	
Texas	13,922	14,961	152,671	152,943	149,569	5,393	7,621	67,211	67,422	66,172	
Utah	1,787	1,787	20,611	20,611	21,916	849	911	8,141	8,475	8,020	
Vermont	756	554	3,408	4,530	4,888	30	200	1,491	1,836	1,851	
Virginia	5,564	5,612	46,487	48,474	50,665	2,329	2,460	23,539	24,458	24,618	
Washington	3,915	2,916	35,323	36,744	36,317	2,631	2,272	21,620	21,691	21,860	
West Virginia	1,299	1,309	10,460	11,258	11,643	673	816	7,382	7,474	7,864	
Wisconsin	3,913	3,626	27,269	28,319	29,088	1,302	1,556	14,339	14,351	13,880	
Wyoming	377	323	4,608	4,146	4,229	245	211	2,467	2,248	2,220	
Puerto Rico	1,347	1,264	14,906	15,227	17,342	1,245	1,536	12,572	13,129	13,307	
1 40110 1 1100	1,071	1,207	17,000	10,221	17,072	1,270	1,000	12,012	10,120	10,007	

<sup>---</sup> Data not available.

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

<sup>&</sup>lt;sup>1</sup>Figures based on monthly counts and may be underreported.

<sup>&</sup>lt;sup>2</sup>Figures based on final annual counts.

<sup>&</sup>lt;sup>3</sup>Figures for marriages are licenses issued for some counties.

<sup>&</sup>lt;sup>4</sup>Figures for marriages are marriage licenses issued.

#### Acknowledgments

This report was prepared by Betzaida Tejada-Vera of the Mortality Statistics Branch (MSB) and Paul D. Sutton of the Reproductive Statistics Branch (RSB) of the Division of Vital Statistics (DVS) under the general direction of Stephanie J. Ventura, Chief, RSB, and Charles J. Rothwell, Director, DVS. Connie Gentry, Chrissy Jarman, Susan McBroom, Senora Roberson, and Pam Stephenson of the Data Acquisition and Evaluation Branch (DAEB) were responsible for acquisition of the provisional data. Brenda Green, Kryn Krautheim, David Justice, Jenny Justice, and Adrienne Rouse, also of DAEB, vealuated the quality of the provisional data. This report was edited by Demarius V. Miller and Laura Drescher, CDC/NCHM/Division of Creative Services, Writer-Editor Services Branch, and typeset by Jacqueline M. Davis, CDC/NCHM/Division of Creative Services, Graphic Services Branch.

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### Suggested citation

Tejada-Vera B, Sutton PD. Births, marriages, divorces, and deaths: Provisional data for October 2009. National vital statistics reports; vol 58, no 22. Hyattsville, MD: National Center for Health Statistics. 2010.

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