

Annual CANA Statistics Report 2012: Executive Summary

Featuring final 2011 data, newly released 2012 data and projections to 2017

Prepared by Singhal LLC

Introduction

Since its founding, CANA has been at the forefront of the cremation industry by disseminating its flagship CANA Cremation Statistics Annual Report. This publication is the preeminent source on cremation data from the United States and Canada. For years, CANA has been collecting cremation figures from state and provincial vital statistics departments or other designated regulatory agencies in the United States and Canada. From these figures, CANA has determined the annual percentage of cremations to deaths, which includes all the states and provinces. CANA has also been able to use these figures to forecast future cremation percentages.

In the past, the majority of the states and provinces had resources to provide death and cremation data; however, due to budget cuts a significant number of them have reduced or eliminated this service. As a result, CANA's role in collecting the relevant data and forecasting these trends has become more significant than ever before. CANA continues to refine its data collection and analysis methodologies.

Projection Methodology

Since 1998, CANA has used a five-year comparison period in order to arrive at the projections. Given the significant political and recessionary changes, a regression analysis was implemented to aid the interpretation of the data. This regression analysis was applied over a ten year period in states and provinces where such a data set was available. This analysis, and in some cases new validated data, resulted in revision of previously published figures.

Data

The vital statistics department or other designated regulatory agency in each state and province was contacted to collect the death and cremation data.

Individual states and provinces finalize their annual data on a separate and individual timeframe. Some take up to three years following the close of the calendar year. As a result, statistics published here may have been updated from those previously published in CANA's annual reports. Where verified data

differs from that which was previously reported, the most recent data is used. Additionally, several states or provinces will not release provisional data. In these instances, CANA must perform estimates that are calculated based on detailed regression analysis. All death and cremation figures are based on the state or province where they occurred, regardless of residency. In addition, 2006-2012 Canadian data excludes Quebec, as the The Institut de la Statistique du Québec is no longer able to provide these figures.

There is a strong evidence of the presence of the reversing trends in many states for the total number of deaths. It appears that the baby boomers population will have significant impact on the total number of deaths and therefore on the number of cremations and burials. Because the underlying correlations of the probability of cremation with the factors like education level, income level, ethnic and religious background, etc. is unknown, there may be larger deviations in the projected numbers in future.

Annual Growth Rate

The annual growth rate is the difference between the yearly percentages of deaths cremated that are averaged over a five-year period. The table below shows the rates for the United States from 1997 through 2012. Further, this table illustrates that the cremation rate is increasing exponentially, with the current average growth at 1.79 percent annually.

Annual Growth Rate- Five Year Average USA	
Year	% Cremated
1997	23.1%
2002	28.2%
2007	34.2%
2012	43.2%
% Change 1997-2002	5.1%
% Change 2002-2007	6.0%
% Change 2007-2012	9.0%
Annual Growth Rate	
Per year over 2007-2012	1.79%

The table below shows the cremation rates for Canada, excluding Quebec. This also shows that the cremation rates are increasing; however, the cremation rates appear to be flattening out.

Annual Growth Rate • Five Year Average Canada	
Year	% Cremated
2002	48.5%
2007	56.0%
2012	62.8%
% Change 2002-2007	7.5%
% Change 2007-2012	6.9%
Annual Growth Rate	
Per year over 2007-2012	1.37%

Confirmed Deaths, Cremations and Percent of Deaths Cremated, United States, 2011				
State	2011 Cremations	2011 Deaths	2007 % Cremations	2011 % Cremations
Alabama	8,983	47,884	12.7%	18.8%
Alaska	2,388	3,759	56.6%	63.5%
Arizona	29,387	47,547	62.7%	61.8%
Arkansas	8,013	29,172	20.9%	27.5%
California	135,741	238,993	47.6%	56.8%
Colorado	21,187	33,048	58.7%	64.1%
Connecticut	12,896	28,380	37.4%	45.4%
Delaware*	3,263	7,840	32.4%	41.6%
Dist. Of Columbia	2,085	5,575	35.8%	37.4%
Florida	104,134	175,550	53.0%	59.3%
Georgia	23,154	70,634	15.1%	32.8%
Hawaii	6,951	9,921	68.4%	70.1%
Idaho	6,311	11,990	47.3%	52.6%
Illinois*	38,817	101,898	29.4%	38.1%
Indiana*	16,848	58,195	22.0%	29.0%
Iowa	8,870	28,103	24.8%	31.6%
Kansas	9,708	25,114	29.8%	38.7%
Kentucky	8,676	42,624	14.4%	20.4%
Louisiana*	8,527	40,680	16.4%	21.0%
Maine	8,448	12,770	58.4%	66.2%
Maryland	15,751	43,650	29.5%	36.1%
Massachusetts	20,133	53,699	32.9%	37.5%
Michigan	43,912	89,496	40.5%	49.1%
Minnesota	20,286	39,884	42.3%	50.9%
Mississippi	4,506	28,612	10.4%	15.7%
Missouri	20,311	59,045	26.5%	34.4%

* Due to budget restraints in the states and provinces, some of this information may be delayed or inaccessible.

State	2011 Cremations	2011 Deaths	2007 % Cremations	2011 % Cremations
Montana	6,210	9,098	60.4%	68.3%
Nebraska	5,987	15,680	30.4%	38.2%
Nevada	15,540	21,088	66.7%	73.7%
New Hampshire	6,914	10,617	56.7%	65.1%
New Jersey	25,439	69,332	29.8%	36.7%
New Mexico	8,699	15,982	49.2%	54.4%
New York	53,475	147,105	29.9%	36.4%
North Carolina	26,344	80,670	25.3%	32.7%
North Dakota	2,029	6,528	22.4%	31.1%
Ohio	37,980	108,458	28.8%	35.0%
Oklahoma*	11,862	37,142	23.8%	31.9%
Oregon	23,183	32,771	65.7%	70.7%
Pennsylvania*	50,430	128,290	30.2%	39.3%
Rhode Island	7,156	9,745	26.6%	73.4%
South Carolina	12,997	41,164	23.9%	31.6%
South Dakota	2,241	7,418	21.1%	30.2%
Tennessee*	18,036	60,544	16.2%	29.8%
Texas	57,359	167,997	25.9%	34.1%
Utah	4,054	15,402	23.8%	26.3%
Vermont*	3,295	5,434	59.8%	60.6%
Virginia*	21,718	60,807	28.5%	35.7%
Washington	35,377	49,386	66.4%	71.6%
West Virginia	5,399	21,390	18.1%	25.2%
Wisconsin	22,547	48,101	32.0%	46.9%
Wyoming	2,654	4,342	44.0%	61.1%
United States TOTAL	1,056,211	2,508,554	34.2%	41.7%

Provisional Deaths, Cremations and Percent of Deaths Cremated, United States, 2012

State	2012 Cremations	2012 Deaths	2008 % Cremations	2012 % Cremations
Alabama	9,546	48,240	13.8%	19.8%
Alaska	2,396	3,900	58.2%	61.4%
Arizona	29,766	48,324	64.2%	61.6%
Arkansas	8,737	29,587	24.1%	29.5%
California	135,213	242,975	47.0%	55.6%
Colorado	22,022	33,562	59.8%	65.6%
Connecticut	13,812	29,439	39.2%	46.9%
Delaware	3,413	7,932	34.0%	43.0%
Dist. Of Columbia	2,100	5,464	36.9%	38.4%
Florida	107,982	175,849	54.8%	61.4%
Georgia	21,237	68,337	14.8%	31.1%

State	2012 Cremations	2012 Deaths	2008 % Cremations	2012 % Cremations
Hawaii	7,250	10,358	70.2%	70.0%
Idaho	6,230	11,862	48.4%	52.5%
Illinois	40,693	101,898	31.8%	39.9%
Indiana	17,750	58,628	25.8%	30.3%
Iowa	9,048	27,744	27.0%	32.6%
Kansas	9,579	24,511	31.7%	39.1%
Kentucky	9,690	43,244	15.5%	22.4%
Louisiana	9,333	41,166	17.8%	22.7%
Maine	8,516	12,349	60.0%	69.0%
Maryland	15,804	43,568	31.4%	36.3%
Massachusetts	20,824	53,699	34.0%	38.8%
Michigan	44,556	88,908	43.1%	50.1%
Minnesota	20,702	39,555	44.6%	52.3%
Mississippi	4,864	28,833	11.3%	16.9%
Missouri	21,840	59,376	27.1%	36.8%
Montana	6,085	8,990	63.3%	67.7%
Nebraska	6,008	15,389	32.0%	39.0%
Nevada	15,999	21,552	70.7%	74.2%
New Hampshire	7,005	10,510	58.3%	66.7%
New Jersey	25,805	67,456	31.5%	38.3%
New Mexico	9,033	16,605	51.7%	54.4%
New York	38,770	95,376	31.4%	40.6%
North Carolina	28,864	82,785	27.5%	34.9%
North Dakota	2,177	6,616	25.0%	32.9%
Ohio	39,709	108,406	31.5%	36.6%
Oklahoma	12,410	37,274	25.5%	33.3%
Oregon	22,681	32,006	66.3%	70.9%
Pennsylvania	47,996	123,832	32.1%	38.8%
Rhode Island	3,941	9,650	27.4%	40.8%
South Carolina	13,554	40,952	26.4%	33.1%
South Dakota	2,445	7,278	23.2%	33.6%
Tennessee	19,213	60,580	19.0%	31.7%
Texas	62,024	173,997	28.4%	35.6%
Utah	4,390	15,936	26.0%	27.5%
Vermont	3,397	5,226	59.1%	65.0%
Virginia	21,296	59,847	29.8%	35.6%
Washington	35,934	49,519	68.4%	72.6%
West Virginia	5,388	20,610	19.9%	26.1%
Wisconsin	23,065	47,897	39.9%	48.2%
Wyoming	2,834	4,468	45.3%	63.4%
United States TOTAL	1,062,926	2,462,065	35.9%	43.2%

Projected United States Cremation Percentages 2017

State	2010 % Cremations	2011 % Cremations	2012 % Cremations	2017 % Cremations
Alabama	16.9%	18.8%	19.8%	26.2%
Alaska	61.1%	63.5%	61.4%	64.3%
Arizona	62.5%	61.8%	61.6%	61.9%
Arkansas	27.7%	27.5%	29.5%	35.9%
California	56.2%	56.8%	55.6%	55.9%
Colorado	63.3%	64.1%	65.6%	71.4%
Connecticut	43.2%	45.4%	46.9%	54.5%
Delaware	40.7%	41.6%	43.0%	50.6%
Dist. Of Columbia	37.1%	37.4%	38.4%	43.3%
Florida	58.1%	59.3%	61.4%	65.2%
Georgia	31.9%	32.8%	31.1%	40.1%
Hawaii	69.3%	70.1%	70.0%	72.3%
Idaho	51.5%	52.6%	52.5%	56.6%
Illinois	35.3%	38.1%	39.9%	48.4%
Indiana	29.8%	29.0%	30.3%	34.1%
Iowa	31.4%	31.6%	32.6%	38.8%
Kansas	36.7%	38.7%	39.1%	46.5%
Kentucky	20.8%	20.4%	22.4%	28.6%
Louisiana	21.2%	21.0%	22.7%	28.2%
Maine	63.9%	66.2%	69.0%	74.5%
Maryland	35.0%	36.1%	36.3%	41.6%
Massachusetts	36.8%	37.5%	38.8%	45.2%
Michigan	47.3%	49.1%	50.1%	57.4%
Minnesota	49.5%	50.9%	52.3%	60.9%
Mississippi	13.8%	15.7%	16.9%	19.6%
Missouri	33.2%	34.4%	36.8%	44.6%
Montana	65.7%	68.3%	67.7%	73.5%
Nebraska	36.1%	38.2%	39.0%	46.2%
Nevada	72.2%	73.7%	74.2%	77.3%
New Hampshire	61.6%	65.1%	66.7%	71.4%
New Jersey	35.1%	36.7%	38.3%	42.5%
New Mexico	53.6%	54.4%	54.4%	60.8%
New York	34.7%	36.4%	40.6%	46.3%
North Carolina	32.8%	32.7%	34.9%	41.9%
North Dakota	29.2%	31.1%	32.9%	40.8%
Ohio	35.0%	35.0%	36.6%	42.8%
Oklahoma	30.1%	31.9%	33.3%	40.5%
Oregon	69.4%	70.7%	70.9%	75.9%
Pennsylvania	36.1%	39.3%	38.8%	45.3%

State	2010 % Cremations	2011 % Cremations	2012 % Cremations	2017 % Cremations
Rhode Island	37.5%	73.4%	40.8%	47.8%
South Carolina	30.2%	31.6%	33.1%	40.7%
South Dakota	28.7%	30.2%	33.6%	46.5%
Tennessee	27.6%	29.8%	31.7%	43.3%
Texas	32.1%	34.1%	35.6%	42.3%
Utah	28.4%	26.3%	27.5%	30.2%
Vermont	58.8%	60.6%	65.0%	73.7%
Virginia	33.0%	35.7%	35.6%	41.5%
Washington	70.9%	71.6%	72.6%	77.2%
West Virginia	23.2%	25.2%	26.1%	33.8%
Wisconsin	44.9%	46.9%	48.2%	55.8%
Wyoming	55.7%	61.1%	63.4%	69.6%
United States Total	40.6%	41.7%	43.2%	48.8%

Number of Crematories in the United States			
State	2 012 CANA stats	2010 CANA stats	2009 CANA stats
Alabama	34	34	34
Alaska**	11	8	8
Arizona	50	51	51
Arkansas	26	23	23
California	225	204	189
Colorado	58	38	50
Connecticut	18	25	25
Delaware *	13	15	15
District of Columbia	0	0	0
Florida	168	141	141
Georgia	88	70	69
Hawaii	17	11	11
Idaho	29	28	28
Illinois	111	99	97
Indiana	89	55	55
Iowa	35	35	35
Kansas	33	31	30
Kentucky	27	25	21
Louisiana	20	16	16
Maine	11	9	8
Maryland	35	33	33
Massachusetts *	23	15	15
Michigan	38	59	59
Minnesota	57	51	51

State	2 012 CANA stats	2010 CANA stats	2009 CANA stats
Mississippi	20	14	14
Missouri	60	56	46
Montana	34	32	24
Nebraska	26	25	25
Nevada	17	16	21
New Hampshire	15	14	14
New Jersey **	41	31	31
New Mexico	26	20	20
New York	48	54	54
North Carolina	109	104	85
North Dakota	6	3	3
Ohio	112	98	99
Oklahoma	44	32	32
Oregon	65	65	62
Pennsylvania **	174	92	92
Rhode Island	13	12	9
South Carolina	63	40	40
South Dakota	12	8	8
Tennessee	44	43	36
Texas	135	93	93
Utah	8	8	8
Vermont	11	10	10
Virginia	98	75	75
Washington ***	81	77	74
West Virginia	20	18	18
Wisconsin	100	77	77
Wyoming	14	11	11
TOTAL	2612	2204	2145

* This number came from the state EPA department

**This number derived from CANA staff counting crematories from among the state list of funeral establishments

***Most inclusive number including establishments in any of four licensing categories

Percentage of Deaths in Canada Resulting in Cremation—Projected to 2017

Province	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2017
Alberta	54.5%	55.4%	58.0%	58.8%	59.8%	60.8%	61.9%	64.0%	65.5%	66.2%	67.2%	72.1%
British Columbia	76.5%	76.7%	77.9%	78.5%	78.6%	79.7%	79.6%	80.7%	81.4%	82.3%	82.1%	83.8%
Manitoba	48.7%	50.4%	52.0%	54.7%	53.3%	54.3%	57.5%	58.2%	59.6%	60.7%	59.5%	66.3%
New Brunswick	27.3%	29.7%	30.8%	35.1%	36.8%	38.6%	39.4%	43.8%	46.1%	49.3%	50.0%	58.4%
Newfoundland/ Labrador	13.7%	15.2%	16.9%	18.1%	19.7%	21.4%	23.0%	25.6%	25.2%	22.0%	22.8%	26.8%
Northwest Territories	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nova Scotia	45.3%	45.4%	49.4%	50.2%	54.0%	57.1%	57.2%	60.2%	62.4%	63.6%	65.3%	72.6%
Nunavut	0.0%	0.9%	1.8%	0.0%	1.7%	1.9%	0.9%	0.0%	1.7%	8.1%	3.1%	3.0%
Ontario	42.5%	46.3%	47.4%	48.7%	50.1%	51.0%	53.0%	55.5%	53.1%	58.1%	59.6%	66.0%
Prince Edward Island	10.5%	11.1%	11.4%	13.5%	15.2%	16.3%	17.4%	18.8%	20.9%	21.2%	22.3%	27.8%
Quebec	36.1%	66.8%	61.0%	69.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Saskatchewan	41.1%	43.2%	45.5%	46.1%	48.2%	49.3%	51.7%	53.5%	54.7%	55.6%	57.4%	63.7%
Yukon Territory	46.5%	60.7%	54.7%	60.1%	55.2%	58.6%	54.7%	64.2%	62.8%	63.5%	77.4%	66.3%
Canada Total	48.1%	50.3%	52.1%	53.6%	57.3%	55.5%	56.3%	57.4%	58.2%	59.0%	62.8%	68.2%

In the table above, the total percentage of cremations resulting from deaths reflects the number of cremations and/or the rate of cremations that were provided for each province. Those figures do not include data from provinces that were "Not Available" (NA).

Total Cremations by Province

Province	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2017
Alberta	9,945	10,369	10,839	11,340	11,891	12,377	13,115	13,515	13,647	14,136	14,899	17,627
British Columbia	21,979	22,363	23,163	23,633	24,014	24,804	25,396	25,198	25,355	26,155	25,884	26,414
Manitoba	4,817	5,000	5,160	5,413	5,222	5,424	5,805	5,826	5,973	6,254	6,014	6,848
New Brunswick	1,684	1,874	1,935	2,188	2,227	2,455	2,662	2,797	2,924	3,135	3,212	3,819
Newfoundland/ Labrador	571	650	729	810	884	965	1,044	1,122	1,201	1,038	1,091	1,368
Northwest Territories	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nova Scotia	3,631	3,674	4,096	4,174	4,383	4,797	4,735	4,973	5,231	5,380	5,553	6,348
Nunavut		1	2		2	2	1		2	12	4	4
Ontario	34,970	38,975	39,444	41,692	42,370	44,509	46,704	49,091	50,345	52,564	54,418	63,518
Prince Edward Island	130	131	139	151	178	187	209	238	255	257	272	345
Quebec	20,051	36,682	33,951	39,014	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Saskatchewan	3,655	3,891	4,044	4,082	4,386	4,487	4,815	4,848	5,007	4,654	5,329	6,049
Yukon Territory	67	82	87	98	96	102	105	122	118	113	154	165
Canada Total	101,500	123,692	123,589	132,595	95,653	100,109	104,591	107,730	110,058	113,698	116,830	132,505

Singhal LLC

Management Consultants

The world is changing rapidly—does your business need to stay the course, or change with it? There are those who are convinced that it is the time-tested processes that are best and those who believe that if you don't change with time you will be left behind.

As it turns out, it is not quite as simple as that and it is not a matter of choice between the two.

Do you see that the world is changing and do you see new opportunities with it, or do you worry what it will mean for your business?

Cremation Association of North America (CANA) has retained Singhal LLC for their data analysis and projections. As part of the agreement, CANA members are entitled to a no-obligation free initial consultation over the phone. Please email Arvind Singhal at ConsultSinghal@yahoo.com for details.

