

Leading Causes of Death Among San Diego County Residents, 2011

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Sources:

California Department of Health Services, Death Statistical Master Files
SANDAG January 1 population estimates

Prepared by Epidemiology & Immunizations Services Branch, Public Health Services, Health & Human Services Agency, County of San Diego

LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS, 2009-2011

Rank, Number and Percent of Deaths, and Age-adjusted Rates

RANK in 2011 ^a	RANK in 2010 ^a	CAUSE OF DEATH ^b	NUMBER AND PERCENT OF DEATHS						AGE-ADJUSTED RATES ^c				
			2009		2010		2011		2009-2011		2009	2010	2011
			n	%	n	%	n	%	n	%			
1	1	Malignant neoplasms	4,734	24.8	4,848	25.1	4,812	24.2	14,394	24.7	159.4	161.3	155.2
2	2	Diseases of heart	4,697	24.6	4,561	23.6	4,758	24.0	14,016	24.1	152.3	146.6	146.8
3	3	Alzheimer's disease	1,115	5.8	1,195	6.2	1,221	6.2	3,531	6.1	35.2	37.2	36.5
4	4	Chronic lower respiratory diseases	952	5.0	1,063	5.5	1,045	5.3	3,060	5.3	32.1	35.7	33.7
5	5	Cerebrovascular diseases	1,080	5.7	1,037	5.4	1,031	5.2	3,148	5.4	35.5	33.7	32.2
6	6	Accidents (unintentional injuries)	949	5.0	923	4.8	1,017	5.1	2,889	5.0	30.4	29.2	31.4
7	7	Diabetes mellitus	555	2.9	579	3.0	581	2.9	1,715	2.9	18.6	19.1	18.8
8	8	Intentional self-harm (suicide)	365	1.9	352	1.8	383	1.9	1,100	1.9	11.6	11.0	11.9
9	9	Chronic liver disease and cirrhosis	307	1.6	312	1.6	331	1.7	950	1.6	9.8	9.9	10.3
10	10	Influenza and pneumonia	322	1.7	289	1.5	311	1.6	922	1.6	10.4	9.2	9.6
11	11	Essential (primary) hypertension and hypertensive renal disease	285	1.5	280	1.4	269	1.4	834	1.4	9.1	9.0	8.0
12	12	Parkinson's disease	186	1.0	215	1.1	211	1.1	612	1.1	6.3	7.2	6.9
13	17	Pneumonitis due to solids and liquids	96	0.5	104	0.5	147	0.7	347	0.6	3.1	3.3	4.6
14	14	Septicemia	139	0.7	130	0.7	128	0.6	397	0.7	4.6	4.4	4.0
15	15	Viral hepatitis	122	0.6	123	0.6	113	0.6	358	0.6	3.9	3.8	3.3
		All Other Causes	3,171	16.6	3,301	17.1	3,494	17.6	9,966	17.1			
		TOTAL DEATHS	19,075	100.0	19,312	100.0	19,852	100.0	58,239	100.0	626.2	627.6	622.3

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15 leading causes of death presented here are based on the county-wide rank among San Diego County residents in 2010.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population and are adjusted to 2000 U.S. Standard Population. Rates may vary slightly from previously published data due to updated population estimates.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2010 est. released July 2012; 2011 est. released Sept. 2012)

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services Branch, 7/24/13

LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS BY SEX, 2011

Number and Percent of Deaths and Age-adjusted Rates

COUNTY-WIDE RANK in 2011 ^a	CAUSE OF DEATH ^b	NUMBER AND PERCENT OF DEATHS				AGE-ADJUSTED RATES ^c		
		MALE		FEMALE		MALE	FEMALE	SAN DIEGO COUNTY
		number of deaths	%	number of deaths	%			
1	Malignant neoplasms	2,521	25.2	2,291	23.3	186.4	132.8	155.2
2	Diseases of heart	2,561	25.6	2,197	22.3	190.5	113.0	146.8
3	Alzheimer's disease	403	4.0	818	8.3	31.4	39.7	36.5
4	Chronic lower respiratory diseases	446	4.5	599	6.1	34.8	32.7	33.7
5	Cerebrovascular diseases	400	4.0	631	6.4	29.9	33.5	32.2
6	Accidents (unintentional injuries)	642	6.4	375	3.8	42.1	21.5	31.4
7	Diabetes mellitus	298	3.0	283	2.9	21.9	15.9	18.8
8	Intentional self-harm (suicide)	292	2.9	91	0.9	18.7	5.5	11.9
9	Chronic liver disease and cirrhosis	209	2.1	122	1.2	13.5	7.3	10.3
10	Influenza and pneumonia	162	1.6	149	1.5	12.3	7.5	9.6
11	Essential (primary) hypertension and hypertensive renal disease	99	1.0	170	1.7	7.6	8.2	8.0
12	Parkinson's disease	115	1.1	96	1.0	9.3	5.3	6.9
13	Pneumonitis due to solids and liquids	65	0.6	82	0.8	5.1	4.2	4.6
14	Septicemia	57	0.6	71	0.7	4.2	3.9	4.0
15	Viral hepatitis	80	0.8	33	0.3	4.9	1.8	3.3
	All Other Causes							
	TOTAL DEATHS:	8,350	100.0	8,008	100.0	612.7	432.8	622.3

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15 leading causes of death presented here are based on the county-wide rank among San Diego County residents in 2011.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population and are adjusted to 2000 U.S. Standard Population.

* Rate not calculated for fewer than 20 deaths in this category.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2010 est. released July 2012; 2011 est. released Sept. 2012)

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunizations Services, 8/14/13

LEADING CAUSES OF DEATH AMONG MALES AND FEMALES, SAN DIEGO COUNTY, 2011
Number and Percent of Deaths, Crude Rates and Age-adjusted Rates

Table 1. Males

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Diseases of heart	2,561	25.6	163.9	190.5
2	Malignant neoplasms	2,521	25.2	161.3	186.4
3	Accidents (unintentional injuries)	642	6.4	41.1	42.1
4	Chronic lower respiratory diseases	446	4.5	28.5	34.8
5	Alzheimer's disease	403	4.0	25.8	31.4
6	Cerebrovascular diseases	400	4.0	25.6	29.9
7	Diabetes mellitus	298	3.0	19.1	21.9
8	Intentional self-harm (suicide)	292	2.9	18.7	18.7
9	Chronic liver disease and cirrhosis	209	2.1	13.4	13.5
10	Influenza and pneumonia	162	1.6	10.4	12.3
	All other causes		21		
	TOTAL DEATHS	7,934	100.0	507.7	581.6

Table 2. Females

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms	2,291	23.3	147.5	132.8
2	Diseases of heart	2,197	22.3	141.5	113.0
3	Alzheimer's disease	818	8.3	52.7	39.7
4	Cerebrovascular diseases	631	6.4	40.6	33.5
5	Chronic lower respiratory diseases	599	6.1	38.6	32.7
6	Accidents (unintentional injuries)	375	3.8	24.1	21.5
7	Diabetes mellitus	283	2.9	18.2	15.9
8	Essential (primary) hypertension and hypertensive	170	1.7	10.9	8.2
9	Influenza and pneumonia	149	1.5	9.6	7.5
10	Chronic liver disease and cirrhosis	122	1.2	7.9	7.3
	All other causes		22		
	TOTAL DEATHS	7,635	100.0	491.6	412.0

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population; age-adjusted rates are adjusted to 2000 U.S. Standard Population.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2010 est. released July 2012; 2011 est. released Sept. 2012)

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services Branch, 8/14/13

LEADING CAUSES OF DEATH IN EACH RACIAL/ETHNIC GROUP, SAN DIEGO COUNTY, 2011

Number and Percent of Deaths, Crude Rates and Age-adjusted Rates

Table 1. American Indian and Alaska Native (non-Hispanic)

Rank ^a in 2010	Cause of Death ^b	2011				2009-2011			
		Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms	22	22.4	154.6	181.4	64	24.8	150.1	170.7
2	Diseases of heart	18	18.4	*	*	45	17.4	105.5	128.6
3	Accidents (unintentional injuries)	14	14.3	*	*	34	13.2	79.7	78.6
4	Chronic liver disease and cirrhosis	8	8.2	*	*	16	6.2	*	*
5	Diabetes mellitus	5	5.1	*	*	14	5.4	*	*
	<i>Causes of fewer than 4 deaths are not listed</i>								
	All other causes	31	32			85	33		
	TOTAL DEATHS	98	100.0	688.7	824.1	258	100.0	604.9	688.5

Table 2. Asian (non-Hispanic)

Rank ^a in 2010	Cause of Death ^b	2011				2009-2011			
		Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms	358	28.9	106.9	116.8	1,048	29.6	106.6	118.4
2	Diseases of heart	259	20.9	77.4	94.9	783	22.1	79.6	99.0
3	Cerebrovascular diseases	80	6.5	23.9	29.0	284	8.0	28.9	35.2
4	Diabetes mellitus	68	5.5	20.3	24.6	160	4.5	16.3	19.8
5	Chronic lower respiratory diseases	56	4.5	16.7	21.2	124	3.5	12.6	16.4
6	Accidents (unintentional injuries)	52	4.2	15.5	15.9	121	3.4	12.3	13.1
7	Alzheimer's disease	43	3.5	12.8	17.7	120	3.4	12.2	17.0
8	Influenza and pneumonia	27	2.2	8.1	10.3	50	1.4	5.1	6.5
9	Intentional self-harm (suicide)	20	1.6	6.0	5.6	67	1.9	6.8	6.4
10	Essential (primary) hypertension and hypertensive renal disease	17	1.4	*	*	49	1.4	5.0	6.5
	All other causes	259	20.9			730	20.6		
	TOTAL DEATHS	1,239	100.0	370.0	435.7	3,536	100.0	359.6	428.9

Table 3. Black (non-Hispanic)

Rank ^a in 2010	Cause of Death ^b	2011				2009-2011			
		Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Diseases of heart	215	23.5	150.4	211.9	625	23.7	142.8	196.8
2	Malignant neoplasms	209	22.9	146.3	194.9	653	24.8	149.2	201.6
3	Accidents (unintentional injuries)	50	5.5	35.0	37.4	136	5.2	31.1	32.1
4	Cerebrovascular diseases	49	5.4	34.3	47.8	154	5.8	35.2	51.4
5	Diabetes mellitus	45	4.9	31.5	43.4	135	5.1	30.8	44.5
6	Alzheimer's disease	45	4.9	31.5	55.8	98	3.7	22.4	38.9
7	Chronic lower respiratory diseases	43	4.7	30.1	42.6	104	3.9	23.8	34.3
8	Assault (homicide)	21	2.3	14.7	13.1	49	1.9	11.2	10.1
9	Intentional self-harm (suicide)	19	2.1	*	*	39	1.5	8.9	8.7
10	Chronic liver disease and cirrhosis	16	1.8	*	*	33	1.3	7.5	7.7
	All other causes	202	22.1			609	23.1		
	TOTAL DEATHS	914	100.0	639.6	853.0	2,635	100.0	602.1	808.8

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population and are adjusted to 2000 U.S. Standard Population.

* Rate not calculated for fewer than 20 deaths in this category.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunizations Services, 9/19/13

Table 4. Hawaiian and Other Pacific Islander (non-Hispanic)

Rank ^a in 2010	Cause of Death ^b	2011				2009-2011			
		Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Diseases of heart	25	30	180	267	73	28.7	179.2	276.5
2	Malignant neoplasms	24	29	173	224	63	24.8	154.7	206.9
3	Cerebrovascular diseases	6	7	*	*	17	6.7	*	*
4	Diabetes mellitus	5	6	*	*	20	7.9	49.1	73.8
	<i>Causes of fewer than 4 deaths are not listed</i>								
	All other causes	22	27			81	32		
	TOTAL DEATHS	82	100.0	590.4	802.9	254	100.0	623.5	901.8

Table 5. Hispanic (any race)

Rank ^a in 2010	Cause of Death ^b	2011				2009-2011			
		Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms (all cancers)	724	25.3	71.6	132.2	2,075	25.2	70.0	134.2
2	Diseases of heart	580	20.3	57.4	120.2	1,692	20.5	57.1	125.9
3	Cerebrovascular diseases	171	6.0	16.9	34.7	484	5.9	16.3	34.9
4	Accidents (unintentional injuries)	162	5.7	16.0	21.4	487	5.9	16.4	21.4
5	Diabetes mellitus	141	4.9	13.9	28.2	412	5.0	13.9	28.7
6	Alzheimer's disease	116	4.1	11.5	26.7	317	3.8	10.7	26.5
7	Chronic liver disease and cirrhosis	90	3.1	8.9	13.0	242	2.9	8.2	12.5
8	Chronic lower respiratory diseases	59	2.1	5.8	12.5	168	2.0	5.7	12.9
9	Influenza and pneumonia	51	1.8	5.0	10.8	165	2.0	5.6	11.4
10	Intentional self-harm (suicide)	47	1.6	4.6	5.2	137	1.7	4.6	5.0
	All other causes	717	25.1			2,063	25.0		
	TOTAL DEATHS	2,858	100.0	211.8	404.8	8,242	100	278.0	538.6

Table 6. White (non-Hispanic)

Rank ^a in 2010	Cause of Death ^b	2011				2009-2011			
		Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Diseases of heart	3,612	25.1	241.5	155.6	10,668	25.0	237.0	156.1
2	Malignant neoplasms	3,418	23.7	228.5	163.4	10,363	24.3	230.2	168.2
3	Alzheimer's disease	1,003	7.0	67.1	39.9	2,957	6.9	65.7	40.0
4	Chronic lower respiratory diseases	866	6.0	57.9	39.4	2,616	6.1	58.1	40.7
5	Accidents (unintentional injuries)	714	5.0	47.7	38.6	2,056	4.8	45.7	37.6
6	Cerebrovascular diseases	712	4.9	47.6	30.8	2,175	5.1	48.3	32.0
7	Diabetes mellitus	307	2.1	20.5	14.3	953	2.2	21.2	15.1
8	Intentional self-harm (suicide)	284	2.0	19.0	16.2	835	2.0	18.6	15.8
9	Influenza and pneumonia	217	1.5	14.5	9.2	659	1.5	14.6	9.6
10	Chronic liver disease and cirrhosis	201	1.4	13.4	10.4	612	1.4	13.6	10.6
	All other causes	3,070	21.3			8,789	20.6		
	TOTAL DEATHS	14,404	100.0			42,683	100	948.3	663.2

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population and are adjusted to 2000 U.S. Standard Population.

* Rate not calculated for fewer than 20 deaths in this category.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunizations Services, 9/19/13

LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS BY HHSA REGION[†], 2011

Number and Percent of Deaths

COUNTY-WIDE RANK in 2011 ^a	CAUSE OF DEATH ^b	REGION [†]											
		N. Coastal		N. Central		Central		South		East		N. Inland	
		number of deaths	%	number of deaths	%	number of deaths	%	number of deaths	%	number of deaths	%	number of deaths	%
1	Malignant neoplasms	760	23.3	888	25.3	666	24.6	706	25.9	863	23.3	917	23.9
2	Diseases of heart	801	24.6	829	23.7	605	22.4	693	25.4	937	25.3	875	22.8
3	Alzheimer's disease	256	7.9	221	6.3	113	4.2	148	5.4	187	5.0	293	7.6
4	Chronic lower respiratory diseases	167	5.1	156	4.5	132	4.9	129	4.7	226	6.1	229	6.0
5	Cerebrovascular diseases	187	5.7	177	5.1	138	5.1	131	4.8	195	5.3	199	5.2
6	Accidents (unintentional injuries)	179	5.5	161	4.6	158	5.8	110	4.0	189	5.1	210	5.5
7	Diabetes mellitus	76	2.3	89	2.5	89	3.3	117	4.3	111	3.0	97	2.5
8	Intentional self-harm (suicide)	67	2.1	71	2.0	66	2.4	51	1.9	73	2.0	55	1.4
9	Chronic liver disease and cirrhosis	42	1.3	46	1.3	64	2.4	50	1.8	65	1.8	59	1.5
10	Influenza and pneumonia	42	1.3	60	1.7	48	1.8	38	1.4	62	1.7	58	1.5
11	Essential (primary) hypertension and hypertensive renal disease	44	1.4	47	1.3	35	1.3	31	1.1	53	1.4	58	1.5
12	Parkinson's disease	45	1.4	38	1.1	15	0.6	24	0.9	40	1.1	48	1.2
13	Pneumonitis due to solids and liquids	26	0.8	34	1.0	20	0.7	14	0.5	25	0.7	28	0.7
14	Septicemia	13	0.4	31	0.9	17	0.6	31	1.1	21	0.6	15	0.4
15	Viral hepatitis	12	0.4	20	0.6	19	0.7	31	1.1	19	0.5	11	0.3
	All Other Causes	542	16.6	635	18.1	520	19.2	426	15.6	642	17.3	689	17.9
	TOTAL DEATHS:	3,259	100.0	3,503	100.0	2,705	100.0	2,730	100.0	3,708	100.0	3,841	100.0

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15 leading causes of death presented here are based on the county-wide rank among San Diego County residents in 2011.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

[†] HHSA Regions were created by grouping contiguous zip codes.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2011 estimates released July 2012)

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services Branch, 9/24/13

LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS BY HHSA REGION[†], 2011

Age-Adjusted Rates

COUNTY-WIDE RANK in 2011 ^a	CAUSE OF DEATH ^b	AGE-ADJUSTED RATES ^c						SAN DIEGO COUNTY
		REGION [†]						
		N. Coastal	N. Central	Central	South	East	N. Inland	
1	Malignant neoplasms	137.9	144.1	174.5	162.9	172.6	147.0	155.2
2	Diseases of heart	132.5	124.1	160.9	161.0	181.1	130.6	146.8
3	Alzheimer's disease	40.4	31.9	31.9	34.3	34.7	42.4	36.5
4	Chronic lower respiratory diseases	28.9	24.6	36.3	30.7	45.9	35.7	33.7
5	Cerebrovascular diseases	31.3	27.6	38.0	30.2	38.2	29.4	32.2
6	Accidents (unintentional injuries)	32.7	24.5	36.1	24.0	38.5	33.8	31.4
7	Diabetes mellitus	14.4	14.3	24.0	27.5	21.8	14.8	18.8
8	Intentional self-harm (suicide)	12.3	11.3	13.4	10.8	15.2	8.6	11.9
9	Chronic liver disease and cirrhosis	7.8	7.5	14.8	11.2	12.1	9.4	10.3
10	Influenza and pneumonia	6.7	9.3	13.1	8.7	11.7	8.7	9.6
11	Essential (primary) hypertension and hypertensive renal disease	6.6	6.9	9.1	7.1	9.9	8.4	8.0
12	Parkinson's disease	8.3	6.0	4.3	5.9	8.2	7.4	6.9
13	Pneumonitis due to solids and liquids	4.2	5.3	5.8	3.2	4.9	4.0	4.6
14	Septicemia	2.2	4.9	4.5	7.1	4.3	2.3	4.0
15	Viral hepatitis	2.0	3.1	4.2	6.4	3.3	1.8	3.3
	TOTAL DEATHS:	559.4	545.4	701.7	626.8	730.3	590.8	622.3

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15 leading causes of death presented here are based on the county-wide rank among San Diego County residents in 2011.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

[†] HHSA Regions were created by grouping contiguous zip codes.

* Rate not calculated for fewer than 20 deaths in this category.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2011 estimates released July 2012)

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services Branch, 9/24/13

LEADING CAUSES OF DEATH IN EACH HHSA REGION [†], SAN DIEGO COUNTY, 2011

Number and Percent of Deaths, Crude Rates and Age-adjusted Rates

Table 1. North Coastal Region

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Diseases of heart	801	24.6	153.8	132.5
2	Malignant neoplasms	760	23.3	145.9	137.9
3	Alzheimer's disease	256	7.9	49.2	40.4
4	Cerebrovascular diseases	187	5.7	35.9	31.3
5	Accidents (unintentional injuries)	179	5.5	34.4	32.7
6	Chronic lower respiratory diseases	167	5.1	32.1	28.9
7	Diabetes mellitus	76	2.3	14.6	14.4
8	Intentional self-harm (suicide)	67	2.1	12.9	12.3
9	Parkinson's disease	45	1.4	8.6	8.3
10	Essential (primary) hypertension and hypertensive renal disease	44	1.4	8.4	6.6
	All other causes	677	20.8		
	TOTAL DEATHS	3,259	100.0	625.7	559.4

Table 2. North Central Region

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms	888	25.3	147.4	144.1
2	Diseases of heart	829	23.7	137.6	124.1
3	Alzheimer's disease	221	6.3	36.7	31.9
4	Cerebrovascular diseases	177	5.1	29.4	27.6
5	Accidents (unintentional injuries)	161	4.6	26.7	24.5
6	Chronic lower respiratory diseases	156	4.5	25.9	24.6
7	Diabetes mellitus	89	2.5	14.8	14.3
8	Intentional self-harm (suicide)	71	2.0	11.8	11.3
9	Influenza and pneumonia	60	1.7	10.0	9.3
10	Essential (primary) hypertension and hypertensive renal disease	47	1.3	7.8	6.9
	All other causes	804	23.0		
	TOTAL DEATHS	3,503	100.0	581.6	545.4

Table 3. Central Region

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms	666	24.6	139.1	174.5
2	Diseases of heart	605	22.4	126.3	160.9
3	Accidents (unintentional injuries)	158	5.8	33.0	36.1
4	Cerebrovascular diseases	138	5.1	28.8	38.0
5	Chronic lower respiratory diseases	132	4.9	27.6	36.3
6	Alzheimer's disease	113	4.2	23.6	31.9
7	Diabetes mellitus	89	3.3	18.6	24.0
8	Intentional self-harm (suicide)	66	2.4	13.8	13.4
9	Chronic liver disease and cirrhosis	64	2.4	13.4	14.8
10	Influenza and pneumonia	48	1.8	10.0	13.1
	All other causes	626	23.1		
	TOTAL DEATHS	2,705	100.0	564.8	701.7

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population; age-adjusted rates are adjusted to 2000 U.S. Standard Population.

[†] HHSA Regions were created by grouping contiguous zip codes.

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LEADING CAUSES OF DEATH IN EACH HHSA REGION [†], SAN DIEGO COUNTY, 2011
Number and Percent of Deaths, Crude Rates and Age-adjusted Rates

Table 4. South Region

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms	706	25.9	148.4	162.9
2	Diseases of heart	693	25.4	145.7	161.0
3	Alzheimer's disease	148	5.4	31.1	34.3
4	Cerebrovascular diseases	131	4.8	27.5	30.2
5	Chronic lower respiratory diseases	129	4.7	27.1	30.7
6	Diabetes mellitus	117	4.3	24.6	27.5
7	Accidents (unintentional injuries)	110	4.0	23.1	24.0
8	Intentional self-harm (suicide)	51	1.9	10.7	10.8
9	Chronic liver disease and cirrhosis	50	1.8	10.5	11.2
10	Influenza and pneumonia	38	1.4	8.0	8.7
	All other causes	557	20.4		
	TOTAL DEATHS	2,730	100.0	574.0	626.8

Table 5. East Region

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Diseases of heart	937	25.3	201.3	181.1
2	Malignant neoplasms	863	23.3	185.4	172.6
3	Chronic lower respiratory diseases	226	6.1	48.6	45.9
4	Cerebrovascular diseases	195	5.3	41.9	38.2
5	Accidents (unintentional injuries)	189	5.1	40.6	38.5
6	Alzheimer's disease	187	5.0	40.2	34.7
7	Diabetes mellitus	111	3.0	23.8	21.8
8	Intentional self-harm (suicide)	73	2.0	15.7	15.2
9	Chronic liver disease and cirrhosis	65	1.8	14.0	12.1
10	Influenza and pneumonia	62	1.7	13.3	11.7
	All other causes	800	21.6		
	TOTAL DEATHS	3,708	100.0	796.6	730.3

Table 6. North Inland Region

Rank ^a	Cause of Death ^b	Number of Deaths	%	Crude Rate ^c	Age-adjusted Rate ^c
1	Malignant neoplasms	917	23.9	160.2	147.0
2	Diseases of heart	875	22.8	152.8	130.6
3	Alzheimer's disease	293	7.6	51.2	42.4
4	Chronic lower respiratory diseases	229	6.0	40.0	35.7
5	Accidents (unintentional injuries)	210	5.5	36.7	33.8
6	Cerebrovascular diseases	199	5.2	34.8	29.4
7	Diabetes mellitus	97	2.5	16.9	14.8
8	Chronic liver disease and cirrhosis	59	1.5	10.3	9.4
9	Essential (primary) hypertension and hypertensive renal disease	58	1.5	10.1	8.4
10	Influenza and pneumonia	58	1.5	10.1	8.7
	All other causes	846	22.0		
	TOTAL DEATHS	3,841	100.0	670.8	590.8

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population; age-adjusted rates are adjusted to 2000 U.S. Standard Population.

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LEADING CAUSES OF DEATH BY AGE GROUP, SAN DIEGO COUNTY, 2011
Number and Percent of Deaths and Age-Specific Rates

Table 1. Age <1 year

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	congenital malformations, deformations and chromosomal abnormalities	55	29.6	156.3	160	27.3	132.2
2	Disorders related to short gestation and low birthweight, not elsewhere classified	21	11.3	59.7	68	11.6	56.2
3	Newborn affected by complications of placenta, cord and membranes	19	10.2	*	40	6.8	33.0
4	Newborn affected by maternal complications of pregnancy	16	8.6	*	67	11.4	55.4
5	Sudden infant death syndrome	13	7.0	*	63	10.8	52.1
6	Neonatal hemorrhage	6	3.2	*	25	4.3	20.7
7	Atelectasis	6	3.2	*	10	1.7	*
8	Hydrops fetalis not due to hemolytic disease	5	2.7	*	8	1.4	*
	<i>Causes of fewer than 4 deaths are not listed</i>						
	All other causes	45	24.2		145	24.7	
	TOTAL DEATHS	186	100.0	528.6	586	100.0	484.2

Table 2. Ages 1-4 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Accidents (unintentional injuries)	10	32.3	*	29	30.9	6.0
2	Congenital malformations, deformations and chromosomal abnormalities	5	16.1	*	16	17.0	*
	<i>Causes of fewer than 4 deaths are not listed</i>						
	All other causes	16	51.6		49	52.1	
	TOTAL DEATHS	31	100.0	19.1	94	100.0	19.4

Table 3. Ages 5-14 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Assault (homicide)	7	17.9	*	8	6.0	*
2	Malignant neoplasms	5	12.8	*	37	27.6	3.1
	<i>Causes of fewer than 4 deaths are not listed</i>						
	All other causes	27	69.2		89	66.4	
	TOTAL DEATHS	39	100.0	9.9	134	100.0	11.4

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The categories used for infant (age <1 year) deaths are different than those used for all other age groups.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population.

* Rate not calculated for fewer than 20 deaths in this category.

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LEADING CAUSES OF DEATH BY AGE GROUP, SAN DIEGO COUNTY, 2011
Number and Percent of Deaths and Age-Specific Rates

Table 4. Ages 15-24 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Accidents (unintentional injuries)	84	37.2	16.8	264	38.9	17.8
2	Intentional self-harm (suicide)	41	18.1	8.2	116	17.1	7.8
3	Assault (homicide)	25	11.1	5.0	75	11.0	5.1
4	Malignant neoplasms	18	8.0	*	53	7.8	3.6
5	Diseases of heart	12	5.3	*	28	4.1	1.9
6	Congenital malformations, deformations and chromosomal abnormalities	5	2.2	*	14	2.1	*
	<i>Causes of fewer than 4 deaths are not listed</i>						
	All other causes	41	18.1		129	19.0	
	TOTAL DEATHS	226	100.0	45.3	679	100.0	45.7

Table 5. Ages 25-34 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Accidents (unintentional injuries)	113	35.9	23.9	305	34.5	21.6
2	Intentional self-harm (suicide)	54	17.1	11.4	144	16.3	10.2
3	Malignant neoplasms	37	11.7	7.8	105	11.9	7.4
4	Assault (homicide)	19	6.0	*	55	6.2	3.9
5	Diseases of heart	18	5.7	*	43	4.9	3.0
6	Chronic liver disease and cirrhosis	6	1.9	*	16	1.8	*
7	Diabetes mellitus	5	1.6	*	14	1.6	*
8	Human immunodeficiency virus (HIV) disease	4	1.3	*	15	1.7	*
9	Chronic lower respiratory diseases	4	1.3	*	9	1.0	*
10	Congenital malformations, deformations and ch	4	1.3	*	9	1.0	*
	All other causes	51	16		168	19.0	
	TOTAL DEATHS	315	100.0	66.5	883	100.0	62.5

Table 6. Ages 35-44 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Accidents (unintentional injuries)	109	22.3	26.1	341	22.6	27.2
2	Malignant neoplasms	104	21.3	24.9	338	22.4	26.9
3	Diseases of heart	51	10.4	12.2	153	10.1	12.2
4	Intentional self-harm (suicide)	50	10.2	12.0	144	9.5	11.5
5	Chronic liver disease and cirrhosis	22	4.5	5.3	72	4.8	5.7
6	Cerebrovascular diseases	15	3.1	*	49	3.2	3.9
7	Assault (homicide)	14	2.9	*	32	2.1	2.6
8	Human immunodeficiency virus (HIV) disease	13	2.7	*	48	3.2	3.8
9	Diabetes mellitus	8	1.6	*	29	1.9	2.3
10	Congenital malformations, deformations and chromosomal abnormalities	6	1.2	*	14	0.9	*
	All other causes	97	20		292	19.3	
	TOTAL DEATHS	489	100.0	117.2	1,512	100.0	120.5

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population.

* Rate not calculated for fewer than 20 deaths in this category.

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LEADING CAUSES OF DEATH BY AGE GROUP, SAN DIEGO COUNTY, 2011
Number and Percent of Deaths and Age-Specific Rates

Table 7. Ages 45-54 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Malignant neoplasms	388	27.9	90.6	1,172	28.5	91.2
2	Diseases of heart	219	15.7	51.1	647	15.7	50.3
3	Accidents (unintentional injuries)	188	13.5	43.9	524	12.7	40.8
4	Chronic liver disease and cirrhosis	101	7.3	23.6	297	7.2	23.1
5	Intentional self-harm (suicide)	101	7.3	23.6	273	6.6	21.2
6	Cerebrovascular diseases	49	3.5	11.4	157	3.8	12.2
7	Viral hepatitis	30	2.2	7.0	97	2.4	7.5
8	Diabetes mellitus	28	2.0	6.5	99	2.4	7.7
9	Chronic lower respiratory diseases	20	1.4	4.7	66	1.6	5.1
10	Human immunodeficiency virus (HIV) disease	18*		4.2	59	1.4	4.6
	All other causes	251	19.3		721	17.5	
	TOTAL DEATHS	1,393	100.0	325.3	4,112	100.0	319.9

Table 8. Ages 55-64 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Malignant neoplasms	892	37.7	260.3	2,539	37.1	254.6
2	Diseases of heart	450	19.0	131.3	1,319	19.3	132.3
3	Accidents (unintentional injuries)	159	6.7	46.4	431	6.3	43.2
4	Chronic liver disease and cirrhosis	102	4.3	29.8	291	4.3	29.2
5	Diabetes mellitus	89	3.8	26.0	281	4.1	28.2
6	Cerebrovascular diseases	80	3.4	23.3	233	3.4	23.4
7	Chronic lower respiratory diseases	77	3.3	22.5	241	3.5	24.2
8	Intentional self-harm (suicide)	66	2.8	19.3	219	3.2	22.0
9	Viral hepatitis	50	2.1	14.6	148	2.2	14.8
10	Essential (primary) hypertension and	19	0.8	*	61	0.9	6.1
	All other causes	385	16.3		1,075	15.7	
	TOTAL DEATHS	2,369	100.0	691.3	6,838	100.0	685.8

Table 9. Ages 65-74 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Malignant neoplasms	1,056	38.7	567.2	3,178	39.0	583.3
2	Diseases of heart	580	21.3	311.5	1,734	21.3	318.3
3	Chronic lower respiratory diseases	174	6.4	93.5	517	6.3	94.9
4	Diabetes mellitus	125	4.6	67.1	371	4.6	68.1
5	Cerebrovascular diseases	108	4.0	58.0	341	4.2	62.6
6	Accidents (unintentional injuries)	65	2.4	34.9	200	2.5	36.7
7	Chronic liver disease and cirrhosis	55	2.0	29.5	138	1.7	25.3
8	Alzheimer's disease	49	1.8	26.3	144	1.8	26.4
9	Influenza and pneumonia	30	1.1	16.1	93	1.1	17.1
10	Intentional self-harm (suicide)	29	1.1	15.6	84	1.0	15.4
	All other causes	456	16.7		1,352	16.6	
	TOTAL DEATHS	2,727	100.0	1,464.6	8,152	100.0	1,496.2

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population.

* Rate not calculated for fewer than 20 deaths in this category.

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LEADING CAUSES OF DEATH BY AGE GROUP, SAN DIEGO COUNTY, 2011
Number and Percent of Deaths and Age-Specific Rates

Table 10. Ages 75-84 years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Malignant neoplasms	1,334	27.6	1,132.4	4,045	27.9	1156.0
2	Diseases of heart	1,169	24.1	992.4	3,500	24.1	1000.2
3	Chronic lower respiratory diseases	367	7.6	311.5	1,092	7.5	312.1
4	Alzheimer's disease	302	6.2	256.4	839	5.8	239.8
5	Cerebrovascular diseases	291	6.0	247.0	913	6.3	260.9
6	Diabetes mellitus	175	3.6	148.6	490	3.4	140.0
7	Accidents (unintentional injuries)	105	2.2	89.1	291	2.0	83.2
8	Parkinson's disease	93	1.9	78.9	257	1.8	73.4
9	Influenza and pneumonia	78	1.6	66.2	220	1.5	62.9
10	Essential (primary) hypertension and hypertensive renal disease	57	1.2	48.4	196	1.4	56.0
	All other causes	871	18.0		2,660	18.3	
	TOTAL DEATHS	4,842	100.0	4,110.4	14,503	100.0	4,144.6

Table 11. Ages 85+ years

Rank ^a in 2011	Cause of Death ^b	2011			2009-2011		
		Number of Deaths	%	Age-Specific Rate ^c	Number of Deaths	%	Age-Specific Rate ^c
1	Diseases of heart	2,255	31.2	3,893.5	6,578	31.7	3964.3
2	Malignant neoplasms	976	13.5	1,685.2	2,918	14.1	1758.6
3	Alzheimer's disease	857	11.8	1,479.7	2,512	12.1	1513.9
4	Cerebrovascular diseases	483	6.7	834.0	1,429	6.9	861.2
5	Chronic lower respiratory diseases	399	5.5	688.9	1,117	5.4	673.2
6	Accidents (unintentional injuries)	177	2.4	305.6	475	2.3	286.3
7	Essential (primary) hypertension and hypertensive renal disease	165	2.3	284.9	466	2.2	280.8
8	Influenza and pneumonia	165	2.3	284.9	458	2.2	276.0
9	Diabetes mellitus	149	2.1	257.3	424	2.0	255.5
10	Parkinson's disease	89	1.2	153.7	269	1.3	162.1
	All other causes	1,520	21.0		4,097	19.8	
	TOTAL DEATHS	7,235	100.0	12,492.0	20,743	100.0	12,501.1

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population.

* Rate not calculated for fewer than 20 deaths in this category.

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