

## LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS BY HHS REGION<sup>†</sup>, 2009

Number and Percent of Deaths

COUNTY-WIDE RANK in 2009 <sup>a</sup>	CAUSE OF DEATH <sup>b</sup>	REGION <sup>†</sup>											
		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	778	25.7	885	25.7	645	23.7	667	26.2	831	23.0	909	25.0
2	Diseases of heart	806	26.6	811	23.5	670	24.6	654	25.7	889	24.6	854	23.5
3	Alzheimer's disease	184	6.1	196	5.7	96	3.5	113	4.4	238	6.6	284	7.8
4	Cerebrovascular diseases	175	5.8	194	5.6	152	5.6	147	5.8	191	5.3	217	6.0
5	Chronic lower respiratory diseases	174	5.7	168	4.9	115	4.2	97	3.8	199	5.5	198	5.5
6	Accidents (unintentional injuries)	151	5.0	158	4.6	156	5.7	108	4.2	179	5.0	190	5.2
7	Diabetes mellitus	68	2.2	78	2.3	98	3.6	87	3.4	109	3.0	114	3.1
8	Intentional self-harm (suicide)	60	2.0	77	2.2	64	2.3	37	1.5	70	1.9	57	1.6
9	Influenza and pneumonia	44	1.5	63	1.8	36	1.3	53	2.1	59	1.6	66	1.8
10	Chronic liver disease and cirrhosis	42	1.4	53	1.5	59	2.2	48	1.9	59	1.6	45	1.2
11	Essential (primary) hypertension and hypertensive renal disease	48	1.6	59	1.7	48	1.8	26	1.0	64	1.8	40	1.1
12	Parkinson's disease	26	0.9	52	1.5	12	0.4	14	0.5	35	1.0	47	1.3
13	Nephritis, nephrotic syndrome and nephrosis	22	0.7	29	0.8	22	0.8	27	1.1	30	0.8	26	0.7
14	Septicemia	11	0.4	28	0.8	30	1.1	20	0.8	27	0.7	23	0.6
15	Viral hepatitis	13	0.4	14	0.4	29	1.1	16	0.6	30	0.8	19	0.5
	All Other Causes	431	14.2	581	16.9	495	18.2	432	17.0	600	16.6	544	15.0
	<b>TOTAL DEATHS:</b>	<b>3,033</b>	<b>100.0</b>	<b>3,446</b>	<b>100.0</b>	<b>2,727</b>	<b>100.0</b>	<b>2,546</b>	<b>100.0</b>	<b>3,610</b>	<b>100.0</b>	<b>3,633</b>	<b>100.0</b>

<sup>a</sup> 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 2009.

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

<sup>†</sup> HHS 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 (2001-09 estimates released 2010)

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services Branch, 05/03/2011

## LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS BY HHSA REGION<sup>†</sup>, 2009

Age-Adjusted Rates

COUNTY-WIDE RANK in 2009 <sup>a</sup>	CAUSE OF DEATH <sup>b</sup>	AGE-ADJUSTED RATES <sup>c</sup>						SAN DIEGO COUNTY
		REGION <sup>†</sup>						
		N. Coastal	N. Central	Central	South	East	N. Inland	
1	Malignant neoplasms	140.5	131.7	166.0	159.3	169.3	144.9	150.1
2	Diseases of heart	130.4	114.1	168.9	154.5	168.2	122.6	139.7
3	Alzheimer's disease	27.4	26.6	24.2	26.4	43.3	37.3	31.5
4	Cerebrovascular diseases	28.5	27.5	39.2	34.8	37.1	31.7	32.6
5	Chronic lower respiratory diseases	29.7	24.4	30.6	23.5	39.5	29.9	29.6
6	Accidents (unintentional injuries)	25.8	23.5	32.2	24.2	36.3	31.1	28.9
7	Diabetes mellitus	12.4	11.7	25.7	20.6	21.9	17.3	17.5
8	Intentional self-harm (suicide)	10.5	11.6	13.2	8.3	14.5	9.5	11.2
9	Influenza and pneumonia	7.3	8.8	8.8	12.4	11.5	9.7	9.6
10	Chronic liver disease and cirrhosis	7.4	8.0	13.5	11.3	11.2	7.2	9.5
11	Essential (primary) hypertension and hypertensive renal disease	7.4	8.1	11.7	6.3	12.2	5.2	8.3
12	Parkinson's disease	4.0	7.6	*	*	7.0	7.2	5.7
13	Nephritis, nephrotic syndrome and nephrosis	3.9	4.1	5.5	6.3	5.7	3.6	4.6
14	Septicemia	*	3.9	7.3	4.8	5.5	3.7	4.3
15	Viral hepatitis	*	*	6.6	*	5.9	*	3.8
<b>TOTAL DEATHS:</b>		<b>512.3</b>	<b>498.5</b>	<b>670.8</b>	<b>599.2</b>	<b>705.5</b>	<b>545.7</b>	<b>580.7</b>

<sup>a</sup> 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 2009.

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

<sup>†</sup> 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 (2001-09 estimates released 2010)

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## LEADING CAUSES OF DEATH IN EACH HHSA REGION <sup>†</sup>, SAN DIEGO COUNTY, 2009

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

**Table 1. North Coastal Region**

Rank <sup>a</sup>	Cause of Death <sup>b</sup>	Number of Deaths	%	Crude Rate <sup>c</sup>	Age-adjusted Rate <sup>c</sup>
1	Diseases of heart	806	26.6	146.0	130.4
2	Malignant neoplasms (all cancers)	778	25.7	140.9	140.5
3	Alzheimer's disease	184	6.1	33.3	27.4
4	Cerebrovascular diseases	175	5.8	31.7	28.5
5	Chronic lower respiratory diseases	174	5.7	31.5	29.7
6	Accidents (unintentional injuries)	151	5.0	27.3	25.8
7	Diabetes mellitus	68	2.2	12.3	12.4
8	Intentional self-harm (suicide)	60	2.0	10.9	10.5
9	Essential (primary) hypertension and hypertensive renal disease	48	1.6	8.7	7.4
10	Influenza and pneumonia	44	1.5	8.0	7.3
	All other causes	545	18.0		
	<b>TOTAL DEATHS</b>	<b>3,033</b>	<b>100.0</b>	<b>549.3</b>	<b>512.3</b>

**Table 2. North Central Region**

Rank <sup>a</sup>	Cause of Death <sup>b</sup>	Number of Deaths	%	Crude Rate <sup>c</sup>	Age-adjusted Rate <sup>c</sup>
1	Malignant neoplasms (all cancers)	885	25.7	144.2	131.7
2	Diseases of heart	811	23.5	132.1	114.1
3	Alzheimer's disease	196	5.7	31.9	26.6
4	Cerebrovascular diseases	194	5.6	31.6	27.5
5	Chronic lower respiratory diseases	168	4.9	27.4	24.4
6	Accidents (unintentional injuries)	158	4.6	25.7	23.5
7	Diabetes mellitus	78	2.3	12.7	11.7
8	Intentional self-harm (suicide)	77	2.2	12.5	11.6
9	Influenza and pneumonia	63	1.8	10.3	8.8
10	Essential (primary) hypertension and hypertensive renal disease	59	1.7	9.6	8.1
	All other causes	757	22.0		
	<b>TOTAL DEATHS</b>	<b>3,446</b>	<b>100.0</b>	<b>561.4</b>	<b>498.5</b>

**Table 3. Central Region**

Rank <sup>a</sup>	Cause of Death <sup>b</sup>	Number of Deaths	%	Crude Rate <sup>c</sup>	Age-adjusted Rate <sup>c</sup>
1	Diseases of heart	670	24.6	132.8	168.9
2	Malignant neoplasms (all cancers)	645	23.7	127.9	166.0
3	Accidents (unintentional injuries)	156	5.7	30.9	32.2
4	Cerebrovascular diseases	152	5.6	30.1	39.2
5	Chronic lower respiratory diseases	115	4.2	22.8	30.6
6	Diabetes mellitus	98	3.6	19.4	25.7
7	Alzheimer's disease	96	3.5	19.0	24.2
8	Intentional self-harm (suicide)	64	2.3	12.7	13.2
9	Chronic liver disease and cirrhosis	59	2.2	11.7	13.5
10	Essential (primary) hypertension and hypertensive renal disease	48	1.8	9.5	11.7
	All other causes	624	22.9		
	<b>TOTAL DEATHS</b>	<b>2,727</b>	<b>100.0</b>	<b>540.7</b>	<b>670.8</b>

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

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

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

<sup>†</sup> 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 (2001-09 estimates released 2010)

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**LEADING CAUSES OF DEATH IN EACH HHSA REGION <sup>†</sup>, SAN DIEGO COUNTY, 2009**  
**Number and Percent of Deaths, Crude Rates and Age-adjusted Rates**

**Table 4. South Region**

Rank <sup>a</sup>	Cause of Death <sup>b</sup>	Number of Deaths	%	Crude Rate <sup>c</sup>	Age-adjusted Rate <sup>c</sup>
1	Malignant neoplasms (all cancers)	667	26.2	143.0	159.3
2	Diseases of heart	654	25.7	140.2	154.5
3	Cerebrovascular diseases	147	5.8	31.5	34.8
4	Alzheimer's disease	113	4.4	24.2	26.4
5	Accidents (unintentional injuries)	108	4.2	23.2	24.2
6	Chronic lower respiratory diseases	97	3.8	20.8	23.5
7	Diabetes mellitus	87	3.4	18.7	20.6
8	Influenza and pneumonia	53	2.1	11.4	12.4
9	Chronic liver disease and cirrhosis	48	1.9	10.3	11.3
10	Intentional self-harm (suicide)	37	1.5	7.9	8.3
	All other causes	535	21.0		
	<b>TOTAL DEATHS</b>	<b>2,546</b>	<b>100.0</b>	<b>545.8</b>	<b>599.2</b>

**Table 5. East Region**

Rank <sup>a</sup>	Cause of Death <sup>b</sup>	Number of Deaths	%	Crude Rate <sup>c</sup>	Age-adjusted Rate <sup>c</sup>
1	Diseases of heart	889	24.6	188.2	168.2
2	Malignant neoplasms (all cancers)	831	23.0	175.9	169.3
3	Alzheimer's disease	238	6.6	50.4	43.3
4	Chronic lower respiratory diseases	199	5.5	42.1	39.5
5	Cerebrovascular diseases	191	5.3	40.4	37.1
6	Accidents (unintentional injuries)	179	5.0	37.9	36.3
7	Diabetes mellitus	109	3.0	23.1	21.9
8	Intentional self-harm (suicide)	70	1.9	14.8	14.5
9	Essential (primary) hypertension and hypertensive renal disease	64	1.8	13.5	12.2
10	Influenza and pneumonia	59	1.6	12.5	11.5
	All other causes	781	21.6		
	<b>TOTAL DEATHS</b>	<b>3,610</b>	<b>100.0</b>	<b>764.3</b>	<b>705.5</b>

**Table 6. North Inland Region**

Rank <sup>a</sup>	Cause of Death <sup>b</sup>	Number of Deaths	%	Crude Rate <sup>c</sup>	Age-adjusted Rate <sup>c</sup>
1	Malignant neoplasms (all cancers)	909	25.0	157.7	144.9
2	Diseases of heart	854	23.5	148.2	122.6
3	Alzheimer's disease	284	7.8	49.3	37.3
4	Cerebrovascular diseases	217	6.0	37.7	31.7
5	Chronic lower respiratory diseases	198	5.5	34.4	29.9
6	Accidents (unintentional injuries)	190	5.2	33.0	31.1
7	Diabetes mellitus	114	3.1	19.8	17.3
8	Influenza and pneumonia	66	1.8	11.5	9.7
9	Intentional self-harm (suicide)	57	1.6	9.9	9.5
10	Parkinson's disease	47	1.3	8.2	7.2
	All other causes	697	19.2		
	<b>TOTAL DEATHS</b>	<b>3,633</b>	<b>100.0</b>	<b>630.4</b>	<b>545.7</b>

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

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

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

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