

Profile of All Medical Discharges with Any Mention of Alzheimer's Disease and Other Dementias San Diego County 2010-2012

What's Inside:

The data tables within the profile show the number and rate of discharges from either the emergency department (ED) or hospital with any mention of Alzheimer's Disease and Other Dementias (ADOD) recorded during the medical encounter. This means that any time a San Diego County resident was discharged from the ED or hospital, and ADOD was recorded in the medical visit record, their discharge is counted. If a single person was discharged from the ED or hospital more than once in a given year with a mention of ADOD, each discharge is included in the data.

"Any mention of Alzheimer's Disease and Other Dementias" refers to medical encounters that may have been for a reason other than ADOD, but ADOD was also mentioned in the medical record. For example, if someone with Alzheimer's Disease is hospitalized for a hip fracture due to a fall, the hospitalization discharge will be included in this data if the patient's Alzheimer's Disease is also recorded in the medical record.

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Introduction

Community Health Statistics

The Community Health Statistics unit was created to provide a means of sharing information about the health behaviors, diseases, injuries, and demographic characteristics of specific populations in San Diego County. This unit aims to supply health professionals with community level data describing the health trends and needs of the residents of San Diego County.

Community Health Statistics also provides or refers persons to available local, state, and national statistics.

Purpose

The purpose of this profile is to provide information about the number and rate of discharges from the emergency department or hospital with any mention of Alzheimer's Disease or Other Dementias. It is designed to help the Health and Human Services Agency staff in each of the Health and Human Services Agency Regions (Regions) identify areas with a higher burden and/or risk of disease among its residents.

Regional Data

Please see [Important Information for Data Users](#) in the Data Guide section for an explanation of geographic boundaries as well as information on definitions, methods used, age adjusted rates, and notes on comparing data.

For more information, contact:

Leslie Upledger Ray, Senior Epidemiologist County of San Diego

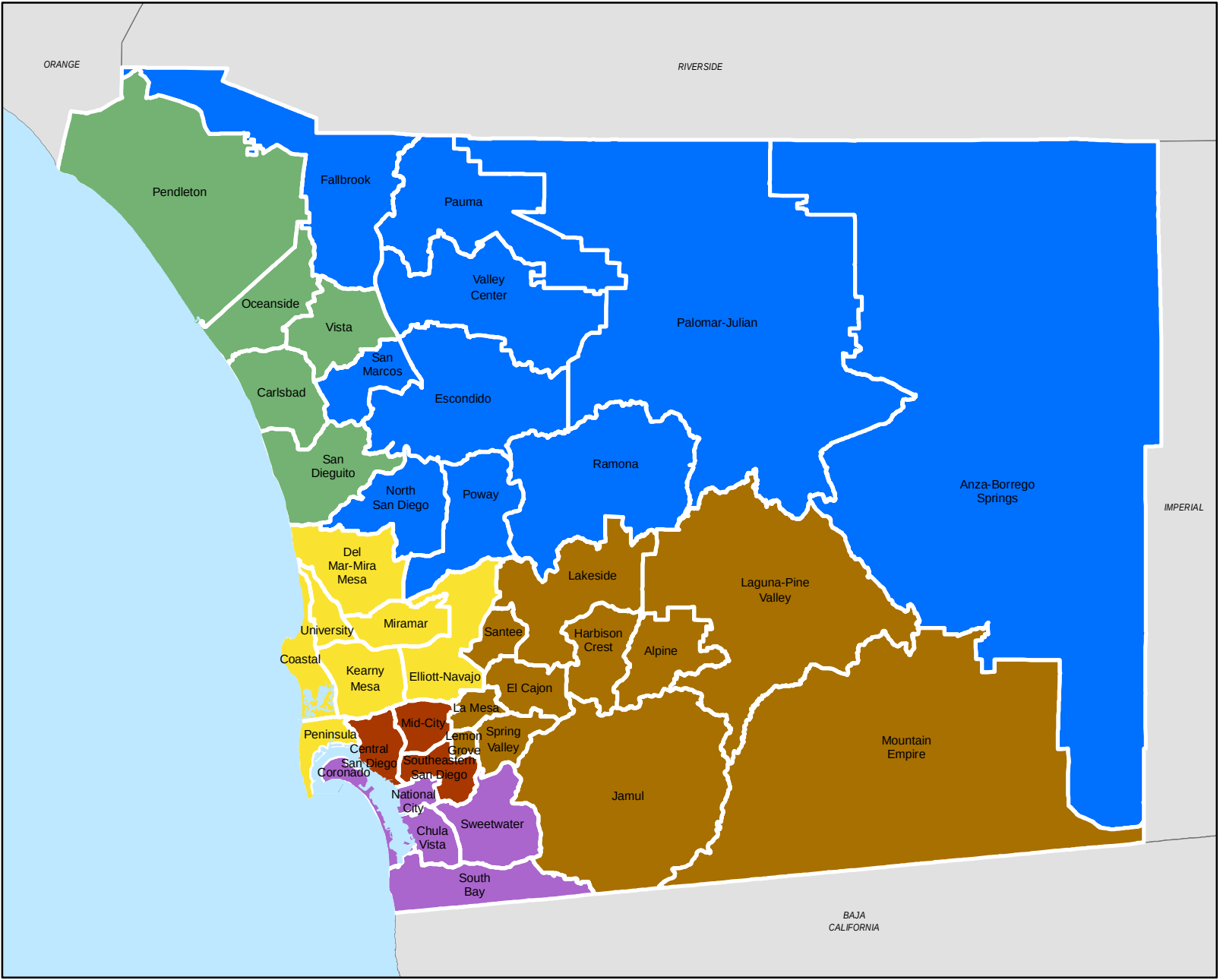
Community Health Statistics Unit

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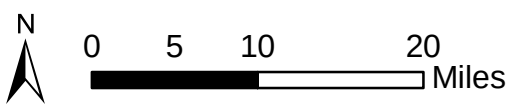
Regional and Subregional (SRA) Boundaries in San Diego County



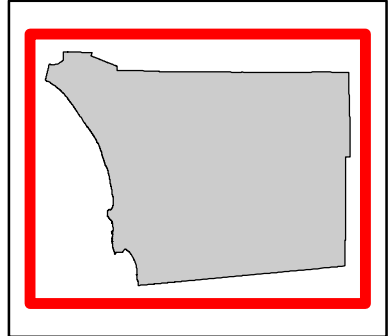
SRA Boundary

Region

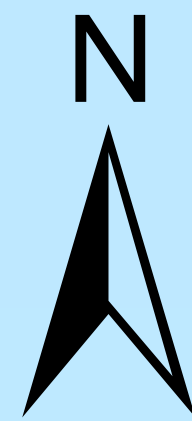
- Central
- East
- North Central
- North Coastal
- North Inland
- South



Map Date: 2013
 Maps/Analysis by County of San Diego, EMS
 Contact Isabel Corcos, Leslie Ray 619.285.6429

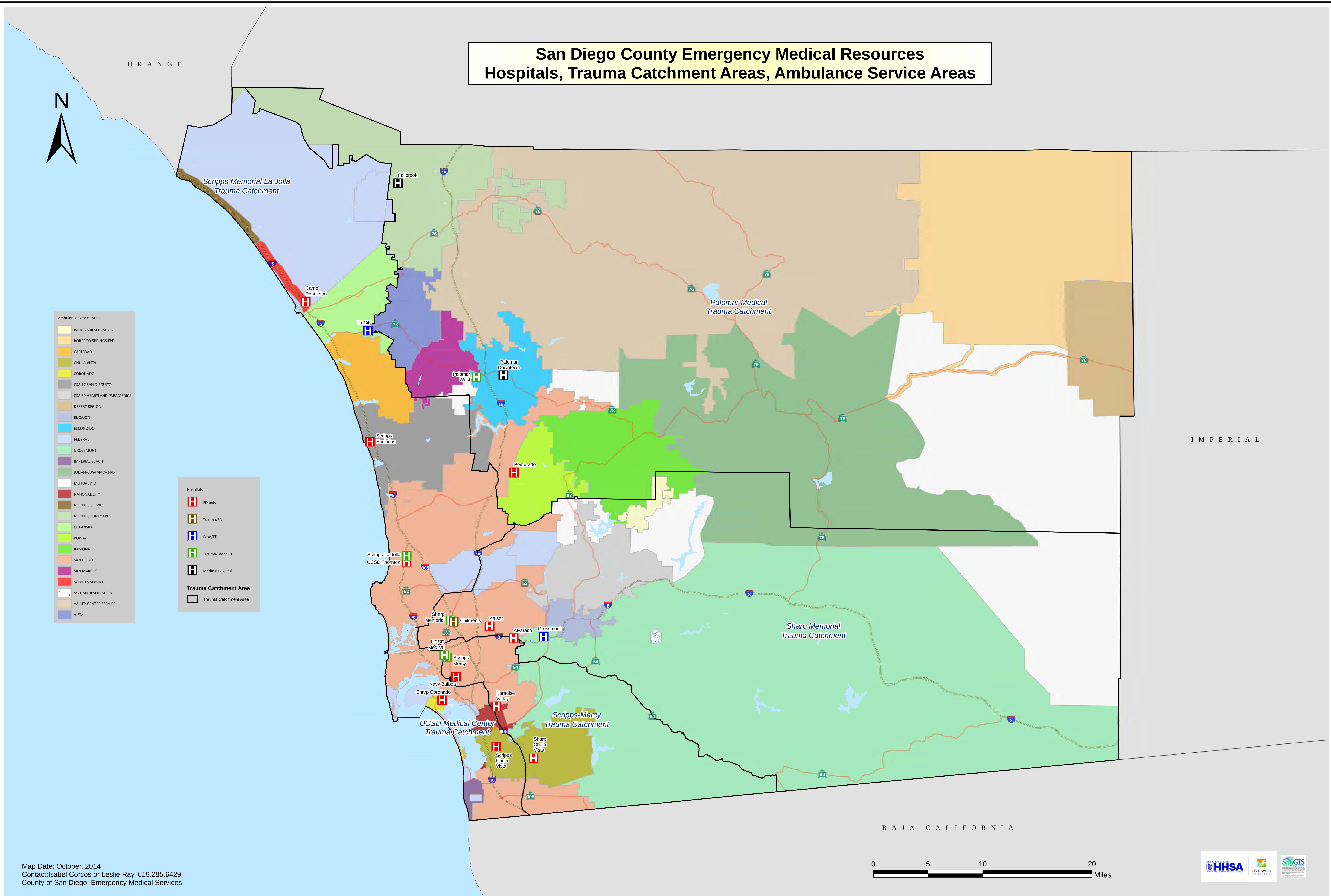


San Diego County Emergency Medical Resources Hospitals, Trauma Catchment Areas, Ambulance Service Areas



- Ambulance Service Areas**
- BARONA RESERVATION
 - BORREGO SPRINGS FPD
 - CARLSBAD
 - CHULA VISTA
 - CORONADO
 - CSA 17 SAN DIEGUITO
 - CSA 69 HEARTLAND PARAMEDICS
 - DESERT REGION
 - EL CAJON
 - ESCONDIDO
 - FEDERAL
 - GROSSMONT
 - IMPERIAL BEACH
 - JULIAN-CUYAMACA FPD
 - MUTUAL AID
 - NATIONAL CITY
 - NORTH S SERVICE
 - NORTH COUNTY FPD
 - OCEANSIDE
 - POWAY
 - RAMONA
 - SAN DIEGO
 - SAN MARCOS
 - SOUTH S SERVICE
 - SYCIAN RESERVATION
 - VALLEY CENTER SERVICE
 - VISTA

- Hospitals**
- ED only
 - Trauma/ED
 - Base/ED
 - Trauma/Base/ED
 - Medical Hospital
- Trauma Catchment Area**
- Trauma Catchment Area



Emergency Department Discharges with Any Mention of Alzheimer's Disease and Other Dementias† Among San Diego County Residents by Location of Residence

Geography	2010 Total		2011 Total		2012 Total		2013 Total		2014 Total		2015 Total		2016 Total		2017 Total		2018 Total		2019 Total		2020 Total	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
San Diego County (Actual Rate)	8,728	282.0	10,548	338.5	12,345	392.7																
San Diego County (Age-Adjusted Rate)	8,728	288.3	10,548	335.1	12,345	384.6																
Central Region	926	191.2	1,087	223.9	1,368	279.9																
Central San Diego	279	168.5	360	216.9	438	262.6																
Mid-City	345	211.6	413	253.1	516	312.9																
Southeast San Diego	302	193.8	314	200.8	414	263.6																
East Region	1,595	344.4	1,895	406.1	2,518	535.8																
Alpine	52	345.9	56	369.4	70	459.7																
El Cajon	384	308.4	473	377.6	595	472.0																
Harbison Crest/El Cajon**	588	422.5	717	512.0	923	655.0																
Jamul	40	211.0	36	204.8	58	320.8																
La Mesa	392	663.3	481	801.9	676	1120.7																
Laguna-Pine Valley	7	132.6	<5	\$	<5	\$																
Lakeside	101	180.3	123	218.2	188	330.1																
Lemon Grove	94	315.3	136	454.1	147	488.2																
Mountain Empire	21	276.7	11	129.3	23	268.6																
Santee	108	211.1	118	228.3	207	398.5																
Spring Valley	192	237.0	215	263.0	224	272.5																
North Central Region	1,624	268.9	1,785	292.7	2,035	330.8																
Coastal	261	346.3	285	377.2	286	376.8																
Del Mar-Mira Mesa	260	165.0	265	167.2	307	191.8																
Elliott-Navajo	235	263.7	304	339.9	379	419.9																
Kearny Mesa	608	402.1	646	425.9	729	478.2																
Miramar	<5	\$	<5	\$	<5	\$																
Peninsula	123	195.4	143	226.8	155	245.1																
University	136	216.8	142	213.6	178	261.4																
North Coastal Region	1,403	277.4	1,967	385.8	2,174	422.6																
Carlsbad	342	298.1	534	460.9	600	511.0																
Oceanside	412	258.0	561	350.4	674	418.1																
Pendleton	<5	\$	<5	\$	<5	\$																
San Dieguito	383	409.5	480	505.8	448	469.1																
Vista	262	260.9	391	385.9	452	442.8																
North Inland Region	1,695	297.6	2,245	390.7	2,523	433.6																
Anza-Borrego Springs	7	157.7	10	214.3	19	383.7																
Escondido	561	344.1	786	478.6	917	554.3																
Fallbrook	128	270.6	128	267.4	123	255.4																
North San Diego	420	394.2	555	515.7	604	544.5																
Palomar-Julian	5	79.8	5	77.8	<5	\$																
Pauma	6	80.5	8	102.9	8	102.6																
Poway	177	205.1	234	269.3	315	360.5																
Ramona	65	186.4	104	293.5	106	297.5																
San Marcos	250	277.9	360	399.2	350	382.7																
Valley Center	76	325.8	55	234.5	79	335.4																
South Region	1,478	315.5	1,559	332.1	1,712	361.7																
Chula Vista	641	556.3	649	559.9	661	566.9																
Coronado	152	615.4	155	664.4	153	659.9																
National City	216	370.4	223	381.3	299	508.9																
South Bay	308	228.3	368	272.3	403	297.2																
Sweetwater	161	119.0	164	120.1	196	140.8																
Unknown	7	---	10	---	15	---																

* Rates per 100,000 population. County age-adjusted rates per 100,000 2000 US standard population.

**Harbison Crest/El Cajon is an aggregation of the Harbison Crest and El Cajon SRAs. Due to geographic limitations, the Harbison Crest SRA is not shown alone. See the Data Guide for more information.

†Alzheimer's Disease and Other Dementias refers to ICD-9 codes 331.0, 046.11, 046.19, 331.82, 331.11, 331.19, 333.4, 331.83, 331.5, 332.0, 332.1, 290.40-290.43, 294.0, 294.10, 294.11, 331.2, 331.7, 290.0, 290.10-290.13, 290.20, 290.21, 290.3, 294.20, 294.21, 294.8, 797.

\$Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown.

Source: Emergency Department Discharge Database (CA OSHPD), County of San Diego, Health & Human Services Agency, Public Health Services, Emergency Medical Services; SANDAG, Current Population Estimates, 10/2012.

Prepared by: County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, 2014.

Emergency Department Discharges with Any Mention of Alzheimer's Disease and Other Dementias† Among San Diego County Residents by Location of Residence, 2010 Detail

Geography	2010 Total		Gender				Race/Ethnicity										Age Group									
			Male		Female		White		Black		Hispanic		API‡		Other‡		Ages 0-14		Ages 15-24		Ages 25-44		Ages 45-64		Ages 65+	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
San Diego County (Actual Rate)	8,728	282.0	3,307	212.8	5,421	351.6	6,474	431.6	337	229.9	1,262	127.3	466	136.4	136	117.5	15	2.5	13	2.6	26	2.9	440	57.9	8,234	2343.0
San Diego County (Age-Adjusted Rate)	8,728	288.3																								
Central Region	926	191.2	375	151.4	551	232.8	470	327.2	161	284.1	193	94.4	83	129.9	12	75.7	<5	\$	<5	\$	8	5.0	83	77.8	834	1926.9
Central San Diego	279	168.5	140	154.7	139	185.2	178	216.3	34	296.1	49	85.0	10	117.7	6	105.7	<5	\$	<5	\$	<5	\$	35	92.2	240	1544.2
Mid-City	345	211.6	126	155.2	219	267.6	218	469.3	35	181.2	59	86.2	27	114.6	<5	\$	<5	\$	<5	\$	<5	\$	14	42.7	330	2581.6
Southeast San Diego	302	193.8	109	143.5	193	241.7	74	496.7	92	355.5	85	108.6	46	144.5	<5	\$	<5	\$	<5	\$	<5	\$	34	94.4	264	1765.2
East Region	1,595	344.4	597	261.8	998	424.6	1,262	451.9	58	218.2	195	168.7	50	241.8	17	81.0	<5	\$	<5	\$	<5	\$	113	88.7	1,476	2638.1
Alpine	52	345.9	22	294.9	30	396.0	47	397.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	102.7	46	2195.7
El Cajon	384	308.4	162	265.9	222	349.1	309	419.5	6	85.7	50	150.8	11	247.6	6	95.6	<5	\$	<5	\$	<5	\$	33	104.1	348	2372.7
Harbison Crest/El Cajon**	588	422.5	240	351.7	348	490.6	463	542.8	11	154.4	85	241.2	18	382.8	8	117.5	<5	\$	<5	\$	<5	\$	50	135.4	534	3121.2
Jamul	40	211.0	17	156.0	23	285.4	33	314.8	<5	\$	5	86.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	40	2015.1
La Mesa	392	663.3	142	503.8	250	808.8	334	901.7	10	241.4	30	253.1	12	346.8	<5	\$	<5	\$	<5	\$	<5	\$	6	39.1	386	4491.0
Laguna-Pine Valley	7	132.6	<5	\$	<5	\$	7	177.6	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	734.2
Lakeside	101	180.3	40	144.4	61	215.4	86	210.5	<5	\$	12	115.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	9	56.2	92	1525.2
Lemon Grove	94	315.3	27	186.2	67	437.6	55	581.0	19	432.0	15	119.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	11	143.9	83	2506.0
Mountain Empire	21	276.7	9	220.4	12	342.4	16	386.6	<5	\$	5	186.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	17	1679.8
Santee	108	211.1	37	149.4	71	269.1	87	229.1	<5	\$	18	221.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	12	81.4	96	1679.2
Spring Valley	192	237.0	59	149.7	133	319.8	134	350.3	16	206.5	23	88.3	15	283.7	<5	\$	<5	\$	<5	\$	<5	\$	14	64.9	177	1880.6
North Central Region	1,624	268.9	625	204.6	999	334.8	1,343	367.9	30	159.9	111	129.6	102	94.2	27	103.4	<5	\$	6	5.8	<5	\$	78	54.6	1,537	2138.3
Coastal	261	346.3	89	229.1	172	470.8	238	391.2	<5	\$	13	161.6	<5	\$	6	242.7	<5	\$	<5	\$	<5	\$	6	36.5	253	2040.8
Del Mar-Mira Mesa	260	165.0	100	126.5	160	203.8	194	255.4	6	162.1	7	44.3	47	85.6	6	83.5	<5	\$	<5	\$	<5	\$	11	24.6	248	1821.7
Elliott-Navajo	235	263.7	83	192.0	152	331.4	196	326.2	8	199.0	16	123.3	9	117.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	232	1746.3
Kearny Mesa	608	402.1	258	342.4	350	461.4	469	556.1	16	238.2	68	203.1	40	201.8	8	117.0	<5	\$	<5	\$	<5	\$	55	154.4	549	2879.6
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Peninsula	123	195.4	34	99.5	89	309.5	112	233.5	<5	\$	7	85.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	119	1646.4
University	136	216.8	61	196.3	75	236.9	133	403.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	135	2148.0
North Coastal Region	1,403	277.4	505	195.9	898	362.1	1,219	407.5	19	130.8	95	66.0	44	146.5	25	137.5	<5	\$	<5	\$	<5	\$	43	34.4	1,354	2271.7
Carlsbad	342	298.1	125	224.1	217	368.2	318	376.9	<5	\$	5	30.0	8	98.7	9	226.5	<5	\$	<5	\$	<5	\$	<5	\$	337	1891.8
Oceanside	412	258.0	135	170.3	277	344.3	342	460.7	5	72.1	34	56.8	22	179.5	8	125.2	<5	\$	<5	\$	<5	\$	13	33.2	398	2158.6
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Dieguito	383	409.5	137	297.7	246	517.7	340	463.6	7	1259.0	26	207.3	8	189.5	<5	\$	<5	\$	<5	\$	<5	\$	14	47.7	368	2782.0
Vista	262	260.9	107	211.0	155	311.7	215	490.2	5	184.7	30	64.3	6	144.7	6	196.4	<5	\$	<5	\$	<5	\$	14	59.4	247	2447.0
North Inland Region	1,695	297.6	659	234.9	1,036	358.5	1,447	459.7	29	280.2	119	72.6	48	81.1	49	231.2	<5	\$	<5	\$	<5	\$	66	43.3	1,622	2248.1
Anza-Borrego Springs	7	157.7	<5	\$	6	273.5	7	249.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	7	504.0
Escondido	561	344.1	210	259.7	351	427.3	482	677.9	7	208.0	52	70.2	8	78.3	11	259.8	<5	\$	<5	\$	<5	\$	37	96.4	523	2984.1
Fallbrook	128	270.6	52	220.8	76	319.9	116	424.8	<5	\$	6	34.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	125	1527.4
North San Diego	420	394.2	154	299.0	266	483.2	338	539.4	5	196.3	24	225.2	28	109.2	23	457.0	<5	\$	<5	\$	<5	\$	9	31.1	410	3183.2
Palomar-Julian	5	79.8	<5	\$	<5	\$	5	108.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	362.6
Pauma	6	80.5	<5	\$	<5	\$	5	161.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	865.8
Poway	177	205.1	71	168.4	106	240.1	149	257.1	<5	\$	15	145.3	6	45.7	<5	\$	<5	\$	<5	\$	<5	\$	6	22.3	169	1561.9
Ramona	65	186.4	21	119.8	44	253.8	60	241.6	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	61	1631.9
San Marcos	250	277.9	106	240.9	144	313.3	229	504.0	<5	\$	12	36.8	<5	\$	7	243.9	<5	\$	<5	\$	<5	\$	5	24.5	245	2083.0
Valley Center	76	325.8	37	316.0	39	335.6	56	374.3	9	5172.4	7	120.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	65.0	71	1878.3
South Region	1,478	315.5	544	232.4	934	398.5	726	739.8	40	203.0	549	197.7	139	233.6	6	44.7	7	6.9	<5	\$	9	6.8	57	53.8	1,404	2891.1
Chula Vista	641	556.3	217	390.7	424	710.3	321	1502.7	10	253.1	234	287.7	64	1062.4	<5	\$	6	24.5	<5	\$	<5	\$	18	68.0	616	4244.2
Coronado	152	615.4	54	371.3	98	965.0	144	803.8	<5	\$	6	178.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	152	4366.6
National City	216	370.4	84	280.0	132	466.2	68	1001.0	15	586.2	90	242.4	39	370.0	<5	\$	<5	\$	<5	\$	<5	\$	12	100.1	204	3309.5
South Bay	308	228.3	134	196.9	17																					

Geography	2011 Total		Gender				Race/Ethnicity								Age Group													
			Male		Female		White		Black		Hispanic		API‡		Other‡		Ages 0-14		Ages 15-24		Ages 25-44		Ages 45-64		Ages 65+			
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*		
San Diego County (Actual Rate)	10,548	338.5	4,132	264.4	6,416	413.1	7,808	522.1	392	274.3	1,406	139.1	489	140.2	321	272.5	13	2.2	12	2.4	53	5.9	539	69.9	9,931	2744.1		
San Diego County (Age-Adjusted Rate)	10,548	335.1																										
Central Region	1,087	223.9	418	168.5	669	281.7	575	404.0	189	344.5	197	94.8	87	134.8	20	124.8	<5	\$	<5	\$	12	7.4	76	70.0	996	2260.5		
Central San Diego	360	216.9	165	182.2	195	258.7	241	294.4	24	215.9	66	112.5	16	185.6	7	122.1	<5	\$	<5	\$	<5	\$	31	80.2	328	2043.7		
Mid-City	413	253.1	139	171.0	274	334.5	259	566.1	51	271.3	57	81.9	33	138.7	5	94.3	<5	\$	<5	\$	<5	\$	23	68.7	385	2982.9		
Southeast San Diego	314	200.8	114	149.5	200	249.5	75	509.6	114	457.0	74	93.0	38	118.2	8	160.3	<5	\$	<5	\$	7	16.9	22	60.5	283	1873.4		
East Region	1,895	406.1	713	310.3	1,182	499.0	1,418	508.2	70	268.7	205	172.4	45	212.1	117	545.9	<5	\$	<5	\$	8	6.6	131	101.8	1,754	2998.8		
Alpine	56	369.4	23	305.3	33	432.8	52	442.1	<5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	54	2425.9	
El Cajon	473	377.6	196	319.5	277	433.4	346	470.6	9	131.3	49	144.2	9	198.0	48	753.8	<5	\$	<5	\$	<5	\$	33	103.0	437	2889.3		
Harbison Crest/El Cajon**	717	512.0	292	424.9	425	595.9	510	599.1	18	257.7	95	262.4	14	290.6	61	884.1	<5	\$	<5	\$	<5	\$	60	161.0	653	3687.0		
Jamul	36	204.8	18	178.1	18	240.8	28	292.9	<5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	35	1786.6	
La Mesa	481	801.9	164	572.9	317	1010.9	390	1045.8	16	389.4	36	292.0	<5	\$	24	899.2	<5	\$	<5	\$	<5	\$	24	153.0	457	5160.9		
Laguna-Pine Valley	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Lakeside	123	218.2	46	165.0	77	270.3	113	276.5	<5	<5	\$	<5	\$	<5	\$	6	225.3	<5	\$	<5	\$	<5	\$	7	43.2	115	1806.2	
Lemon Grove	136	454.1	40	274.6	96	624.0	78	834.0	19	444.7	26	203.0	<5	\$	8	635.9	<5	\$	<5	\$	<5	\$	8	103.8	127	3715.6		
Mountain Empire	11	129.3	5	109.3	6	152.7	10	221.7	<5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	9	733.5	
Santee	118	228.3	47	187.8	71	266.2	103	269.8	<5	<5	\$	8	95.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	11	73.3	106	1752.6	
Spring Valley	215	263.0	78	196.1	137	326.4	132	345.0	16	211.2	36	134.5	19	351.8	10	267												

Prepared by: County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, 2014.

Emergency Department Discharges with Any Mention of Alzheimer's Disease and Other Dementias† Among San Diego County Residents by Location of Residence, 2012 Detail

Geography	2012 Total		Gender				Race/Ethnicity										Age Group											
			Male		Female		White		Black		Hispanic		API‡		Other‡		Ages 0-14		Ages 15-24		Ages 25-44		Ages 45-64		Ages 65+			
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*		
San Diego County (Actual Rate)	12,345	392.7	4,782	303.4	7,563	482.5	8,948	599.6	522	374.5	1,712	165.4	599	168.3	509	422.2	11	1.8	1.8	<5	\$	44	4.9	726	93.8	11,560	3086.5	
San Diego County (Age-Adjusted Rate)	12,345	384.6																										
Central Region	1,368	279.9	528	211.6	840	351.1	700	494.4	242	456.2	258	121.5	111	169.8	47	286.7	<5	\$	<5	\$	6	3.7	121	110.6	1,239	2746.7		
Central San Diego	438	262.6	215	236.6	223	293.7	269	330.3	44	409.6	78	130.0	24	273.5	18	307.3	<5	\$	<5	\$	<5	\$	45	115.2	390	2339.4		
Mid-City	516	312.9	163	198.5	353	426.3	338	740.9	54	293.8	67	94.0	40	165.3	13	239.3	<5	\$	<5	\$	<5	\$	48	141.0	465	3533.7		
Southeast San Diego	414	263.6	150	196.0	264	327.9	93	639.8	144	601.9	113	139.4	47	145.2	16	313.5	<5	\$	<5	\$	<5	\$	28	77.1	384	2513.4		
East Region	2,518	535.8	946	408.5	1,572	659.4	1,926	692.4	93	365.1	251	204.5	53	244.9	176	800.5	<5	\$	<5	\$	10	8.3	170	132.6	2,338	3815.6		
Alpine	70	459.7	36	476.6	34	443.1	56	479.9	<5	\$	8	323.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	68	2774.4		
El Cajon	595	472.0	247	399.7	348	541.6	449	612.5	17	253.7	55	157.6	7	151.2	59	905.9	<5	\$	<5	\$	<5	\$	38	118.7	554	3541.5		
Harbison Crest/El Cajon**	923	655.0	379	547.5	544	758.8	708	834.2	24	351.0	87	233.5	13	265.3	83	1177.8	<5	\$	<5	\$	<5	\$	70	188.4	850	4622.3		
Jamul	58	320.8	15	144.3	43	559.4	47	484.9	<5	\$	8	138.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	56	2585.4		
La Mesa	676	1120.7	220	763.7	456	1447.0	547	1473.7	24	594.9	43	337.1	11	299.7	47	1713.5	<5	\$	<5	\$	<5	\$	26	166.7	647	7132.6		
Laguna-Pine Valley	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
Lakeside	188	330.1	70	248.5	118	410.0	164	399.9	<5	\$	16	145.6	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	12	74.3	175	2560.4		
Lemon Grove	147	488.2	56	382.6	91	588.1	91	985.8	17	409.0	26	197.9	<5	\$	10	780.0	<5	\$	<5	\$	<5	\$	12	155.5	135	3813.6		
Mountain Empire	23	268.6	7	151.8	16	404.8	19	432.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	23	1730.6		
Santee	207	398.5	74	293.9	133	496.9	179	469.5	<5	\$	14	161.9	<5	\$	7	322.7	<5	\$	<5	\$	<5	\$	17	113.8	188	2944.9		
Spring Valley	224	272.5	89	222.6	135	319.7	114	299.5	22	299.2	46	167.6	22	400.9	19	492.0	<5	\$	<5	\$	<5	\$	29	133.5	194	1909.3		
North Central Region	2,035	330.8	867	278.8	1,168	384.0	1,624	445.0	68	366.1	143	158.6	114	99.9	75	274.9	<5	\$	<5	\$	5	2.6	86	59.3	1,942	2553.1		
Coastal	286	376.8	116	296.9	170	461.6	263	434.4	<5	\$	11	129.7	<5	\$	10	387.1	<5	\$	<5	\$	<5	\$	9	54.5	276	2167.3		
Del Mar-Mira Mesa	307	191.8	134	167.3	173	216.3	219	288.7	7	200.1	19	115.0	51	89.6	7	95.7	<5	\$	<5	\$	<5	\$	16	34.6	290	1875.6		
Elliott-Navajo	379	419.9	185	422.2	194	417.7	315	524.8	19	481.5	11	81.3	16	195.6	16	349.9	<5	\$	<5	\$	<5	\$	13	57.8	364	2553.1		
Kearny Mesa	729	478.2	294	387.2	435	568.5	520	622.3	37	570.6	86	246.8	45	219.6	38	538.2	<5	\$	<5	\$	<5	\$	39	107.2	687	3491.0		
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
Peninsula	155	245.1	57	165.4	98	340.4	144	303.3	<5	\$	7	80.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	42.5	149	1991.2		
University	178	261.4	81	240.2	97	282.3	162	469.8	<5	\$	9	127.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	175	2717.0		
North Coastal Region	2,174	422.6	812	309.9	1,362	539.7	1,849	618.1	39	277.5	146	97.1	77	243.3	59	306.9	<5	\$	<5	\$	8	5.9	130	102.5	2,033	3189.3		
Carlsbad	600	511.0	217	380.2	383	634.6	552	647.4	<5	\$	20	112.4	15	173.8	8	191.5	<5	\$	<5	\$	<5	\$	21	63.0	577	2995.4		
Oceanside	674	418.1	254	317.3	420	517.3	515	701.8	23	356.1	59	95.1	38	302.2	38	562.9	<5	\$	<5	\$	<5	\$	47	120.0	624	3259.8		
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
San Dieguito	448	469.1	181	385.4	267	550.2	412	556.8	6	1032.7	18	134.2	8	177.5	<5	\$	<5	\$	<5	\$	<5	\$	19	64.2	426	2904.7		
Vista	452	442.8	160	310.6	292	577.4	370	856.1	6	236.4	49	100.2	16	371.7	10	319.2	<5	\$	<5	\$	<5	\$	43	177.3	406	3829.5		
North Inland Region	2,523	433.6	929	324.2	1,594	539.8	2,112	673.6	34	337.9	200	115.2	91	145.6	82	371.9	<5	\$	<5	\$	9	6.2	137	88.2	2,373	3048.1		
Anza-Borrego Springs	19	383.7	<5	\$	15	606.3	18	630.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	17	1063.8		
Escondido	917	554.3	347	423.1	570	683.3	783	1122.2	8	247.4	92	118.7	12	113.7	21	479.3	<5	\$	<5	\$	<5	\$	5	11.1	62	158.0	849	4654.4
Fallbrook	123	255.4	47	195.6	76	314.9	107	397.1	<5	\$	10	54.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	119	1354.7		
North San Diego	604	544.5	209	389.7	395	689.4	470	732.8	14	562.7	31	269.1	56	203.6	30	567.4	<5	\$	<5	\$	<5	\$	28	92.1	576	4074.4		
Palomar-Julian	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
Pauma	8	102.6	<5	\$	5	132.1	7	234.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	907.0		
Poway	315	360.5	101	236.6	214	478.9	273	472.2	<5	\$	18	164.5	11	80.0	10	290.2	<5	\$	<5	\$	<5	\$	17	62.2	294	2478.7		
Ramona	106	297.5	41	229.2	65	366.2	98	393.1	<5	\$	7	79.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	15	135.0	90	2103.3		
San Marcos	350	382.7	137	306.2	213	455.9	294	654.9	6	359.7	36	104.7	9	118.5	5	170.7	<5	\$	<5	\$	<5	\$	6	28.4	342	2807.2		
Valley Center	79	335.4	38	321.5	41	349.4	60	409.5	<5	\$	5	80.4	<5	\$	14	864.7	<5	\$	<5	\$	<5	\$	<5	\$	76	1790.3		
South Region	1,712	361.7	694	294.9	1,018	427.7	723	762.1	46	253.1	714	249.7	152	250.5	70	513.6	<5	\$	<5	\$	6	4.6	82	75.2	1,620	3208.5		
Chula Vista	661	566.9	266	473.8	395	653.3	279	1366.3	21	568.3	288	343.6	44	722.9	26	1007.4	<5	\$	<5	\$	<5	\$	18	66.3	638	4313.1		
Coronado	153	659																										

Hospitalization Discharges with Any Mention of Alzheimer's Disease and Other Dementias[†] Among San Diego County Residents by Location of Residence

Geography	2010 Total		2011 Total		2012 Total		2013 Total		2014 Total		2015 Total		2016 Total		2017 Total		2018 Total		2019 Total		2020 Total	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
San Diego County (Actual Rate)	16,688	539.1	17,542	563.0	17,242	548.5																
San Diego County (Age-Adjusted Rate)	16,688	552.5	17,542	559.8	17,242	536.8																
Central Region	2,098	433.1	2,294	472.4	2,446	500.5																
Central San Diego	651	393.2	703	423.6	788	472.4																
Mid-City	734	450.2	790	484.1	832	504.5																
Southeast San Diego	713	457.6	801	512.1	826	526.0																
East Region	3,659	790.1	3,753	804.2	3,779	804.1																
Alpine	79	525.4	90	593.7	100	656.8																
El Cajon	1,006	807.9	1,046	835.0	1,002	794.9																
Harbison Crest/El Cajon**	1,521	1092.9	1,576	1125.4	1,537	1090.7																
Jamul	72	379.8	84	477.9	86	475.7																
La Mesa	874	1479.0	862	1437.0	881	1460.5																
Laguna-Pine Valley	6	113.7	<5	\$	<5	\$																
Lakeside	186	332.0	194	344.2	210	368.7																
Lemon Grove	218	731.3	219	731.2	295	979.7																
Mountain Empire	35	461.2	41	482.0	34	397.1																
Santee	254	496.6	277	535.9	254	488.9																
Spring Valley	414	511.1	407	497.9	379	461.0																
North Central Region	2,811	465.4	2,881	472.5	2,752	447.4																
Coastal	452	599.7	478	632.7	471	620.6																
Del Mar-Mira Mesa	481	305.3	419	264.4	417	260.5																
Elliott-Navajo	520	583.6	517	578.1	502	556.2																
Kearny Mesa	915	605.1	970	639.4	875	574.0																
Miramar	<5	\$	<5	\$	<5	\$																
Peninsula	199	316.2	247	391.7	238	376.3																
University	242	385.8	248	373.0	249	365.7																
North Coastal Region	2,204	435.7	2,347	460.4	2,249	437.2																
Carlsbad	484	421.9	574	495.4	565	481.1																
Oceanside	765	479.0	741	462.9	825	511.7																
Pendleton	<5	\$	<5	\$	<5	\$																
San Dieguito	464	496.1	509	536.4	402	420.9																
Vista	489	486.9	523	516.1	455	445.7																
North Inland Region	3,117	547.3	3,148	547.9	3,018	518.7																
Anza-Borrego Springs	32	720.7	53	1135.6	37	747.2																
Escondido	896	549.6	970	590.6	969	585.7																
Fallbrook	379	801.2	399	833.5	323	670.6																
North San Diego	716	672.0	702	652.3	699	630.1																
Palomar-Julian	11	175.5	17	264.5	14	214.4																
Pauma	27	362.0	19	244.4	13	166.7																
Poway	356	412.5	323	371.7	339	387.9																
Ramona	125	358.5	164	462.8	148	415.3																
San Marcos	481	534.7	429	475.7	383	418.7																
Valley Center	94	402.9	72	306.9	93	394.9																
South Region	2,799	597.5	3,119	664.4	2,998	633.4																
Chula Vista	1,211	1050.9	1,274	1099.1	1,196	1025.7																
Coronado	202	817.8	150	643.0	181	780.6																
National City	489	838.5	656	1121.5	617	1050.2																
South Bay	551	408.4	664	491.4	670	494.1																
Sweetwater	346	255.7	375	274.5	334	239.9																
Unknown	<5	---	<5	---	<5	---																

*Rates per 100,000 population. County age-adjusted rates per 100,000 2000 US standard population.

**Harbison Crest/El Cajon is an aggregation of the Harbison Crest and El Cajon SRAs. Due to geographic limitations, the Harbison Crest SRA is not shown alone. See the Data Guide for more information.

[†]Alzheimer's Disease and Other Dementias refers to ICD-9 codes 331.0, 046.11, 046.19, 331.82, 331.11, 331.19, 333.4, 331.83, 331.5, 332.0, 332.1, 290.40-290.43, 294.0, 294.10, 294.11, 331.2, 331.7, 290.0, 290.10-290.13, 290.20, 290.21, 290.3, 294.20, 294.21, 294.8, 797.

\$Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown.

Source: Patient Discharge Data (CA OSHPD), County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 10/2012.

Prepared by: County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, 2014.

Hospitalization Discharges with Any Mention of Alzheimer's Disease and Other Dementias† Among San Diego County Residents by Location of Residence, 2010 Detail

Geography	2010 Total		Gender				Race/Ethnicity										Age Group											
			Male		Female		White		Black		Hispanic		API‡		Other‡		Ages 0-14		Ages 15-24		Ages 25-44		Ages 45-64		Ages 65+			
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*		
San Diego County (Actual Rate)	16,688	539.1	7,110	457.6	9,578	621.3	11,848	789.8	749	510.9	2,611	263.4	1,025	300.1	301	260.0	18	3.0	21	4.2	70	7.9	874	114.9	15,705	4468.9		
San Diego County (Age-Adjusted Rate)	16,688	552.5																										
Central Region	2,098	433.1	941	379.9	1,157	488.8	999	695.5	380	670.5	428	209.4	251	392.9	30	189.2	<5	\$	<5	\$	10	6.2	206	193.0	1,881	4346.0		
Central San Diego	651	393.2	314	346.9	337	449.0	414	503.1	76	661.9	113	196.1	29	341.2	19	334.7	<5	\$	<5	\$	5	7.2	78	205.5	568	3654.6		
Mid-City	734	450.2	313	385.4	421	514.4	393	846.1	89	460.7	135	197.2	105	445.8	5	95.2	<5	\$	<5	\$	<5	\$	60	183.1	672	5257.0		
Southeast San Diego	713	457.6	314	413.3	399	499.8	192	1288.7	215	830.8	180	230.0	117	367.6	6	121.8	<5	\$	<5	\$	<5	\$	68	188.9	641	4285.9		
East Region	3,659	790.1	1,517	665.2	2,142	911.3	2,831	1013.8	153	575.7	455	393.6	137	662.7	38	181.0	<5	\$	<5	\$	18	14.9	263	206.4	3,373	6028.6		
Alpine	79	525.4	29	388.8	50	660.0	64	541.9	<5	\$	5	225.7	6	1769.9	<5	\$	<5	\$	<5	\$	<5	\$	7	143.7	72	3436.8		
El Cajon	1,006	807.9	454	745.2	552	867.9	791	1073.9	28	400.1	130	392.2	41	922.8	7	111.5	<5	\$	<5	\$	<5	\$	75	236.6	928	6327.1		
Harbison Crest/El Cajon**	1,521	1092.9	639	936.5	882	1243.4	1,204	1411.6	44	617.7	185	524.9	60	1276.1	16	235.1	<5	\$	<5	\$	6	16.7	120	324.9	1,393	8141.9		
Jamul	72	379.8	25	229.4	47	583.2	49	467.4	<5	\$	16	276.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	70	3526.4		
La Mesa	874	1479.0	367	1302.2	507	1640.2	707	1908.6	43	1038.1	80	674.9	22	635.8	9	346.7	<5	\$	<5	\$	<5	\$	30	195.3	843	9808.0		
Laguna-Pine Valley	6	113.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	881.1		
Lakeside	186	332.0	82	296.0	104	367.3	163	399.1	<5	\$	14	135.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	19	118.6	166	2752.0		
Lemon Grove	218	731.3	64	441.4	154	1005.7	131	1383.8	32	727.6	41	327.8	5	227.7	5	402.3	<5	\$	<5	\$	<5	\$	16	209.4	200	6038.6		
Mountain Empire	35	461.2	12	293.8	23	656.2	31	749.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	34	3359.7		
Santee	254	496.6	128	516.8	126	477.5	208	547.7	<5	\$	31	381.1	<5	\$	<5	\$	<5	\$	<5	\$	7	50.5	38	257.6	208	3638.3		
Spring Valley	414	511.1	167	423.7	247	594.0	270	705.7	25	322.7	79	303.2	35	662.0	<5	\$	<5	\$	<5	\$	<5	\$	31	143.7	381	4048.0		
North Central Region	2,811	465.4	1,178	385.6	1,633	547.2	2,301	630.3	59	314.4	195	227.6	184	169.9	51	195.3	<5	\$	9	8.8	8	4.2	91	63.7	2,700	3756.4		
Coastal	452	599.7	189	486.6	263	719.9	416	683.9	<5	\$	24	298.3	5	151.6	5	202.3	<5	\$	<5	\$	<5	\$	13	79.0	436	3517.0		
Del Mar-Mira Mesa	481	305.3	209	264.3	272	346.5	324	426.6	13	351.2	30	189.9	94	171.1	15	208.8	<5	\$	<5	\$	<5	\$	14	31.3	464	3408.3		
Elliott-Navajo	520	583.6	229	529.7	291	634.4	440	732.3	11	273.6	32	246.6	27	351.1	8	184.7	<5	\$	<5	\$	<5	\$	13	57.8	507	3816.3		
Kearny Mesa	915	605.1	384	509.6	531	700.0	731	866.7	31	461.6	91	271.8	47	237.1	9	131.6	<5	\$	6	25.5	<5	\$	40	112.3	865	4537.1		
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
Peninsula	199	316.2	76	222.3	123	427.8	184	383.6	<5	\$	11	134.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	7	48.9	189	2614.8		
University	242	385.8	90	289.7	152	480.1	205	622.6	<5	\$	7	114.1	10	49.7	12	474.7	<5	\$	<5	\$	<5	\$	<5	\$	237	3770.9		
North Coastal Region	2,204	435.7	983	381.3	1,221	492.3	1,847	617.4	44	303.0	159	110.4	66	219.8	63	346.6	<5	\$	<5	\$	13	9.5	78	62.4	2,108	3536.7		
Carlsbad	484	421.9	211	378.3	273	463.2	435	515.6	<5	\$	13	78.0	13	160.3	17	427.8	<5	\$	<5	\$	<5	\$	11	33.7	472	2649.6		
Oceanside	765	479.0	334	421.4	431	535.6	591	796.0	25	360.4	77	128.5	34	277.5	24	375.7	<5	\$	<5	\$	5	11.2	34	86.9	724	3926.7		
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
San Dieguito	464	496.1	215	467.3	249	524.0	425	579.5	5	899.3	19	151.5	9	213.2	<5	\$	<5	\$	<5	\$	<5	\$	12	40.9	451	3409.4		
Vista	489	486.9	221	435.9	268	538.9	395	900.7	11	406.4	49	105.0	10	241.2	19	621.9	<5	\$	<5	\$	7	24.4	21	89.1	460	4557.2		
North Inland Region	3,117	547.3	1,301	463.8	1,816	628.3	2,606	827.9	34	328.5	246	150.0	120	202.8	92	434.1	5	4.2	<5	\$	13	8.8	121	79.4	2,974	4121.9		
Anza-Borrego Springs	32	720.7	20	890.5	12	546.9	30	1070.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	28	2015.8		
Escondido	896	549.6	356	440.2	540	657.3	742	1043.6	7	208.0	95	128.2	24	235.0	21	496.0	<5	\$	<5	\$	<5	\$	53	138.0	839	4787.2		
Fallbrook	379	801.2	163	692.2	216	909.2	329	1204.9	<5	\$	41	237.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	7	53.1	369	4508.8		
North San Diego	716	672.0	300	582.6	416	755.7	561	895.3	12	471.1	39	366.0	63	245.6	38	755.0	<5	\$	<5	\$	<5	\$	20	69.1	693	5380.4		
Palomar-Julian	11	175.5	5	162.2	6	188.4	10	216.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	11	797.7		
Pauma	27	362.0	5	130.0	22	609.1	13	419.2	<5	\$	<5	\$	<5	\$	10	781.3	<5	\$	<5	\$	<5	\$	<5	\$	23	3318.9		
Poway	356	412.5	149	353.3	207	469.0	307	529.6	6	397.1	21	203.4	9	68.5	11	325.9	<5	\$	<5	\$	<5	\$	15	55.8	336	3105.4		
Ramona	125	358.5	52	296.6	73	421.1	114	459.0	<5	\$	6	73.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	54.5	117	3130.0		
San Marcos	481	534.7	199	452.3	282	613.5	421	926.6	<5	\$	33	101.2	14	192.2	7	243.9	<5	\$	<5	\$	<5	\$	8	39.3	470	3995.9		
Valley Center	94	402.9	52	444.1	42	361.4	79	528.0	5	2873.6	5	86.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	88	2328.0		
South Region	2,799	597.5	1,190	508.4	1,609	686.4	1,264	1288.1	79	400.9	1,128	406.2	267	448.7	27	201.2	5	4.9	<5	\$	8	6.1	115	108.5	2,669	5496.1		
Chula Vista	1,211	1050.9	486	875.0	725	1214.5	621	2907.0	27	683.4	455	559.4	88	1460.8	11	429.4	5	20.4	<5	\$	<5	\$	38	143.6	1,166	8033.6		

Hospitalization Discharges with Any Mention of Alzheimer's Disease and Other Dementias† Among San Diego County Residents by Location of Residence, 2011 Detail

Geography	2011 Total		Gender				Race/Ethnicity										Age Group									
			Male		Female		White		Black		Hispanic		API‡		Other‡		Ages 0-14		Ages 15-24		Ages 25-44		Ages 45-64		Ages 65+	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
San Diego County (Actual Rate)	17,542	563.0	7,296	466.9	10,246	659.7	11,902	795.8	863	603.9	2,791	276.1	1,158	332.1	574	487.2	11	1.9	22	4.4	78	8.8	890	115.4	16,541	4570.5
San Diego County (Age-Adjusted Rate)	17,542	559.8																								
Central Region	2,294	472.4	957	385.7	1,337	563.0	1,023	718.8	395	720.0	465	223.8	333	515.9	44	274.5	<5	\$	<5	\$	12	7.4	170	156.6	2,111	4791.0
Central San Diego	703	423.6	322	355.5	381	505.4	420	513.1	79	710.8	135	230.2	35	406.0	20	348.8	<5	\$	<5	\$	<5	\$	65	168.1	635	3956.6
Mid-City	790	484.1	345	424.5	445	543.2	425	929.0	101	537.3	134	192.6	111	466.7	10	188.6	<5	\$	<5	\$	<5	\$	52	155.3	735	5694.6
Southeast San Diego	801	512.1	290	380.4	511	637.4	178	1209.5	215	861.8	196	246.2	187	581.8	14	280.4	<5	\$	<5	\$	6	14.5	53	145.7	741	4905.3
East Region	3,753	804.2	1,467	638.4	2,286	965.1	2,660	953.3	187	717.9	466	391.8	98	462.0	239	1115.2	<5	\$	5	7.2	27	22.3	254	197.3	3,467	5927.4
Alpine	90	593.7	35	464.6	55	721.3	74	629.1	<5	\$	10	427.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	88	3953.3
El Cajon	1,046	835.0	467	761.3	579	905.9	711	967.1	48	700.4	127	373.8	27	593.9	110	1727.4	<5	\$	<5	\$	<5	\$	77	240.3	964	6373.6
Harbison Crest/El Cajon**	1,576	1125.4	682	992.5	894	1253.5	1,094	1285.1	69	987.8	194	535.9	43	892.5	142	2058.0	<5	\$	<5	\$	7	19.5	122	327.4	1,445	8158.8
Jamul	84	477.9	39	386.0	45	602.1	55	575.4	<5	\$	16	291.6	<5	\$	7	1402.8	<5	\$	<5	\$	<5	\$	5	89.6	78	3981.6
La Mesa	862	1437.0	300	1048.0	562	1792.1	664	1780.5	36	876.1	88	713.7	9	251.0	40	1498.7	<5	\$	<5	\$	5	28.6	36	229.5	818	9237.7
Laguna-Pine Valley	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Lakeside	194	344.2	82	294.2	112	393.1	163	398.8	<5	\$	9	84.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	16	98.7	174	2732.8
Lemon Grove	219	731.2	70	480.6	149	968.5	128	1368.5	34	795.7	38	296.7	<5	\$	11	874.4	<5	\$	<5	\$	<5	\$	9	116.8	209	6114.7
Mountain Empire	41	482.0	16	349.7	25	636.1	24	532.0	<5	\$	10	323.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	201.1	35	2852.5
Santee	277	535.9	108	431.6	169	633.7	221	578.9	5	586.9	26	309.8	<5	\$	15	703.9	<5	\$	<5	\$	7	51.1	27	180.0	243	4017.9
Spring Valley	407	497.9	134	337.0	273	650.4	234	611.6	39	514.9	75	280.2	33	611.0	16	427.8	<5	\$	<5	\$	<5	\$	31	142.5	375	3807.1
North Central Region	2,881	472.5	1,255	406.9	1,626	539.7	2,308	632.0	80	427.9	181	206.3	192	172.2	71	266.8	<5	\$	8	7.7	9	4.6	113	78.2	2,750	3732.5
Coastal	478	632.7	199	511.0	279	762.0	434	715.9	<5	\$	20	242.6	14	411.0	<5	\$	<5	\$	<5	\$	<5	\$	5	30.5	471	3733.9
Del Mar-Mira Mesa	419	264.4	162	204.0	257	325.0	278	366.9	<5	\$	16	99.3	101	181.1	13	180.1	<5	\$	<5	\$	<5	\$	18	39.4	401	2789.4
Elliott-Navajo	517	578.1	250	576.2	267	580.0	429	716.3	25	628.3	23	174.3	13	163.9	18	406.9	<5	\$	<5	\$	<5	\$	20	88.5	494	3614.8
Kearny Mesa	970	639.4	439	581.0	531	697.5	720	857.7	46	697.7	105	308.1	56	277.7	26	375.7	<5	\$	7	31.8	<5	\$	48	132.8	910	4694.6
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Peninsula	247	391.7	102	296.7	145	505.5	217	454.9	<5	\$	12	143.0	<5	\$	9	356.2	<5	\$	<5	\$	<5	\$	13	91.3	234	3231.6
University	248	373.0	102	309.8	146	435.0	229	669.5	<5	\$	<5	\$	8	36.9	<5	\$	<5	\$	<5	\$	<5	\$	9	96.8	238	3723.4
North Coastal Region	2,347	460.4	988	380.5	1,359	543.3	1,981	662.5	45	314.2	176	119.9	81	261.7	52	277.3	<5	\$	<5	\$	9	6.6	111	87.5	2,224	3608.2
Carlsbad	574	495.4	250	443.9	324	544.2	518	611.7	<5	\$	20	116.5	22	263.2	10	245.9	<5	\$	<5	\$	<5	\$	19	57.3	554	2998.8
Oceanside	741	462.9	302	380.1	439	544.4	580	787.0	30	449.0	76	125.0	32	258.0	20	306.4	<5	\$	<5	\$	<5	\$	43	109.4	696	3716.8
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Dieguito	509	536.4	205	439.3	304	630.3	470	635.0	<5	\$	18	138.6	7	159.6	11	374.5	<5	\$	<5	\$	<5	\$	15	50.4	490	3509.8
Vista	523	516.1	231	451.9	292	581.5	413	946.6	14	532.3	62	129.8	20	473.1	11	356.6	<5	\$	<5	\$	<5	\$	34	141.1	484	4650.3
North Inland Region	3,148	547.9	1,356	479.1	1,792	614.7	2,683	854.8	29	284.7	207	122.9	118	194.9	81	375.7	<5	\$	<5	\$	12	8.2	114	73.8	3,015	4039.4
Anza-Borrego Springs	53	1135.6	25	1063.8	28	1208.5	49	1736.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	49	3315.3
Escondido	970	590.6	439	538.7	531	641.8	825	1169.6	8	242.9	86	113.6	22	212.0	25	580.9	<5	\$	<5	\$	5	11.0	61	155.9	902	5059.7
Fallbrook	399	833.5	178	746.3	221	920.0	361	1325.6	<5	\$	21	118.0	5	435.5	7	616.2	<5	\$	<5	\$	<5	\$	11	83.7	387	4541.2
North San Diego	702	652.3	281	540.0	421	757.4	547	870.9	12	481.3	43	393.1	68	258.8	26	509.3	<5	\$	<5	\$	<5	\$	10	33.9	691	5192.0
Palomar-Julian	17	264.5	8	252.4	9	276.2	15	324.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	17	1114.8
Pauma	19	244.4	5	124.9	14	371.4	12	384.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	18	2252.8
Poway	323	371.7	151	355.7	172	386.9	275	474.6	<5	\$	10	94.1	14	104.2	13	381.2	<5	\$	<5	\$	<5	\$	10	36.6	309	2744.2
Ramona	164	462.8	63	354.0	101	572.7	151	603.5	<5	\$	8	93.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	160	3987.0
San Marcos	429	475.7	173	392.1	256	555.7	382	850.1	8	467.8	27	81.2	7	94.5	<5	\$	<5	\$	<5	\$	<5	\$	11	53.1	416	3494.0
Valley Center	72	306.9	33	280.4	39	333.6	66	445.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	66	1649.6
South Region	3,119	664.4	1,273	544.6	1,846	783.2	1,247	1297.1	127	675.6	1,296	461.0	336	560.2	87	647.6	6	6.0	<5	\$	9	6.9	128	118.6	2,974	6020.1
Chula Vista	1,274	1099.1	497	890.2	777	1293.2	557	2661.0	30	783.5	537	650.7	91	1500.9	50	1950.1	<5	\$	<5	\$	<5	\$	45	167.1	1,2	

Data Guide

Important Information for Data Users

Any Mention of Alzheimer's Disease and Other Dementias:

Alzheimer's Disease is the most common form of dementia, but all dementias are characterized by a decline in thinking skills, memory loss, and reduced ability to perform everyday activities. All people suffering from dementia need access to the same types of resources, such as caregivers and health care professionals trained in the treatment of dementia. Thus, the definition of Alzheimer's Disease was expanded to include Other Dementias as well.

The definition of Alzheimer's Disease and Other Dementias (ADOD) was developed after consultation with local advocacy groups, subject matter experts within the County of San Diego, and review of publications and national standards for reporting Alzheimer's Disease and Other Dementias. The definition includes major causes of dementia such as Alzheimer's Disease, Frontotemporal Dementia, and Vascular Dementia. The specific diseases included in the definition of ADOD were matched to the corresponding ICD-9 coding. For the disease names and corresponding ICD-9 codes, see the table below.

"Any mention of Alzheimer's Disease and Other Dementias" is defined as at least one ADOD ICD-9 code recorded in at least one of the 25 diagnosis fields within a record. The Emergency Department Discharge Database and the Patient Discharge Database were searched to find all records with at least one ADOD ICD-9 code recorded in at least one of the 25 diagnosis fields. These records represent all discharges from either the ED or hospital with any mention of ADOD.

Disease Names and Corresponding ICD-9 Codes Included in the Definition of Alzheimer's Disease and Other Dementias	
Disease Name	ICD-9 Code(s)
Alzheimer's Disease	331.0
Creutzfeldt-Jakob Disease	046.1 (046.11, 046.19)
Dementia with Lewy Bodies (DLB)	331.82
Frontotemporal Dementia	331.1 (331.11, 331.19)
Huntington's Disease	333.4
Mild Cognitive Impairment	331.83
Normal Pressure Hydrocephalus	331.5
Parkinson's Disease	332 (332.0, 332.1)
Vascular Dementia	290.4 (290.40, 290.41, 290.42, 290.43)
Korsakoff Syndrome	294.0
Dementia in conditions classified elsewhere	294.1 (294.10, 294.11)
Senile degeneration of brain	331.2
Cerebral degeneration in diseases classified elsewhere	331.7
Senile dementia, uncomplicated	290.0
Presenile dementia	290.1 (290.10, 290.11, 290.12, 290.13)
Senile dementia with delusional or depressive features	290.2 (290.20, 290.21)
Senile dementia with delirium	290.3
Dementia, unspecified	294.2 (294.20, 294.21)
Other persistent mental disorders due to conditions classified elsewhere	294.8
Senility without mention of psychosis	797

Comparing Data:

Caution must be used when exploring data from multiple sources or even the same data prepared by different analysts; comparisons may not be appropriate. Attention to accompanying information is important in order to note differences, including, but not limited to: data sources, data preparation, diagnoses/case definitions, rate constant (i.e. per 100,000 or 1,000), geographic units, and persons included in the data. If you need assistance or additional data not contained here, please contact the Community Health Statistics unit.

Geography: Understanding Geographic Units used in Health Data

Many different geographic units are used throughout San Diego County. In this document, boundaries for Regions and Subregional Areas (SRAs) are based on census tracts and approximate Health and Human Service Agency Region (HHSA Region) boundaries, which are based on zip codes.

Many data users have expressed the desire for community level data, beyond the HHSA Region (which are large aggregations of zip codes). Several levels of geography may be considered, such as Subregional Area, Census Tract, Zip Code, or City. In order to provide community level health data and compare populations, it is important to have stable geographic units and units that are compatible with population data estimates.

While most health data is reported by zip code, zip codes may change at any time throughout the year – making annual aggregated estimates difficult. Additionally, since zip codes may change from one year to the next, comparing zip code data over time may introduce a level of imprecision. Subregional Areas (SRAs) are small, community level geographic units based on census tracts which are stable between census years which only change every 10 years, if at all. Population estimates are also available by census tract with high level of accuracy. However, health data for an SRA must be estimated based on reported zip code data. Therefore, zip codes were assigned to SRAs based on their geographic location so that health data can be aggregated to the SRA level.

In this document, community level (SRA) data is aggregated to larger regional levels. Currently, Region aggregations based on SRAs closely approximate, but do not directly correspond to HHSA Regions. In order to have more accurate community level data and enable reliable comparisons over time and place, SRA Region aggregations are used in lieu of HHSA Regions. A list of Subregional Areas (SRAs) representing each Region, as well as to zip code, is included at the end of this section.

Other data preparers that provide direct HHSA Region level data may differ slightly from the data presented here; however, any difference would not be expected to impact any decisions related to policy, planning, or resources for any particular area. There are 3 zip codes which are primarily affected by the differences in method of aggregation to Region or HHSA Region (see table below).

HHSA		Community Profiles	
HHSA Region	Zip Code	Subregional Area (SRA)	Region
North Coastal	92014	Del Mar-Mira Mesa	North Central
North Coastal	92091	North San Diego	North Inland
North Central	92131	Poway	North Inland

Harbison Crest/El Cajon

Due to data aggregation methods, health data for the Harbison Crest SRA may be misleading. Health data are presented as an aggregate of two SRAs, Harbison Crest and El Cajon, for better data stability and representation of the area.

Rates, Age Adjusted Rates: Understanding Rates and Age Adjusted Rates

The data in this document includes crude rates (from this point forward referred to as rates) for Regional and SRA level data. Additionally, age adjusted rates are provided for County level data.

A rate is the number of cases divided by the population, usually multiplied by a constant. For example 987 cases, divided by a population of 654,321 multiplied by 100,000 would be a rate of 150.8 per 100,000 population. This means for every 100,000 people, 150-151 cases would be expected.

Calculations of age adjusted rates are slightly more complex. They take into account the age of each case relative to a standard age distribution of a reference population. Recently a new reference population was determined by the Centers for Disease Control and Prevention, referred to as “2000 US standard population”. Previous to this, a reference population from 1940 was used. The 2000 US standard population proportions more closely reflect the current age distribution of the entire US population.

Age adjusted rates represent the rates that would be expected if the population of interest had the same age distribution as the standard population. This removes the effect of age when comparing rates to identify risk in a population. This is important in many cases when comparing risk “across populations with different underlying age structures.”¹ Since many causes of mortality disproportionately affect older persons, disease mortality is often reported as age adjusted rates.

Age adjusted rates are used to compare relative risk (over time or between populations), while removing the effect of differences in the age of a population. Age-adjusting shows differences between groups that are not due to differences in age distribution. “Age adjusted rates should be viewed as relative indexes rather than as direct or actual measures” of risk.²

For many users of this data the magnitude of an issue is important, not only the risk outside of age. Often planning and resource needs are based on data. In this case, knowing that a group contains an older population is valid and important for planning for those diseases which affect different aged population sectors.

Additionally, differences may be due to other reasons besides age, such as gender or race/ethnicity. One may want to consider several of these demographic factors when examining a health issue.

1: <http://wonder.cdc.gov/wonder/help/ucd.html>

2: <http://wonder.cdc.gov/wonder/help/faq.html#6>

San Diego County Regions and Subregional Areas and the Corresponding Zip Codes		
Region	Subregional Area (SRA)	Enclosing Zip Code(s)*
Central	Central San Diego	92101, 92102, 92103, 92104, 92134, 92136
	Mid City	92105, 92115, 92116, 92182
	Southeastern San Diego	92113, 92114, 92139
East	Alpine	91901
	El Cajon	92019, 92020
	Harbison Crest/El Cajon**	92019, 92020, 92021
	Jamul	91917, 91935, 91978
	La Mesa	91941, 91942
	Laguna-Pine Valley	91916, 91931, 91948
	Lakeside	92040
	Lemon Grove	91945
	Mountain Empire	91905, 91906, 91934, 91962, 91963, 91980
	Santee	92071
	Spring Valley	91977
North Central	Coastal	92037, 92093, 92109
	Del Mar-Mira Mesa	92014, 92126, 92130
	Elliott-Navajo	92119, 92120, 92124
	Kearny Mesa	92108, 92110, 92111, 92117, 92123
	Miramar	92145
	Peninsula	92106, 92107, 92140, 92147
	University	92121, 92122, 92161
North Coastal	Carlsbad	92008, 92009, 92010, 92011
	Oceanside	92054, 92056, 92057, 92058
	Pendleton	92055, 92672
	San Dieguito	92007, 92024, 92067, 92075
	Vista	92081, 92083, 92084
North Inland	Anza-Borrego Springs	92004, 92036, 92259
	Escondido	92025, 92026, 92027, 92096
	Fallbrook	92003, 92028
	North San Diego	92091, 92127, 92128, 92129
	Palomar-Julian	92066, 92070, 92086, 92536
	Pauma	92059, 92061
	Poway	92064, 92131
	Ramona	92065
	San Marcos	92069, 92078
	Valley Center	92082
South	Chula Vista	91910, 91911
	Coronado	92118, 92135, 92155
	National City	91950
	South Bay	91932, 92154, 92173
	Sweetwater	91913, 91914, 91915
*Zip code(s) to Subregional Areas are subject to change and include enclosing zip codes only. This list is valid for data years 2010, 2011, and 2012. **Harbison Crest/El Cajon is an aggregation of the Harbison Crest and El Cajon SRAs. Due to geographical limitations, Harbison Crest is not shown alone. See data guide for more information.		

Data Sources

The following data sources were used in the preparation of this report.

Emergency Department Data (ED Data):

ED data is collected and maintained for most emergency hospitals in San Diego County. ED data elements include patient's home zip code, demographic information, source of payment, disposition, diagnoses, and procedures performed for all patients treated and discharged from the ED.

Hospital Discharge Data:

Discharge data is collected and maintained for most inpatient facilities in San Diego County. Discharge data elements include patient's home zip code, demographic information, source of payment, disposition, diagnoses, and procedures performed for all patients admitted to the hospital for any condition.

San Diego Association of Governments (SANDAG):

SANDAG creates and maintains a tremendous quantity of demographic, economic, land use, transportation, and criminal justice information about the San Diego region. Demographic data includes population characteristics like age, education, and employment. SANDAG develops annual demographic estimates and long range forecasts in addition to maintaining census data files. Data is available by County, SRA, zip code, and census tract.

Additional abbreviations used in sources:

CDPH – State of California, Department of Public Health

OSHPD – California Office of Statewide Health Planning and Development