

Profile of San Diego County Residents with a Medical Encounter 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 San Diego County residents discharged from either the emergency department (ED) or hospital with any mention of Alzheimer's Disease and Other Dementias (ADOD) recorded during the medical encounter. If a single person was discharged from either the ED or hospital more than once in a given year with a mention of ADOD, they are only included once in this 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, they 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 San Diego County residents who have any mention of Alzheimer's Disease or Other Dementias during a hospital or emergency department visit. 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.

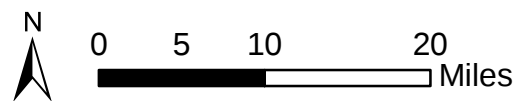
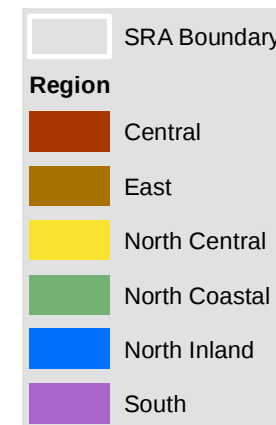
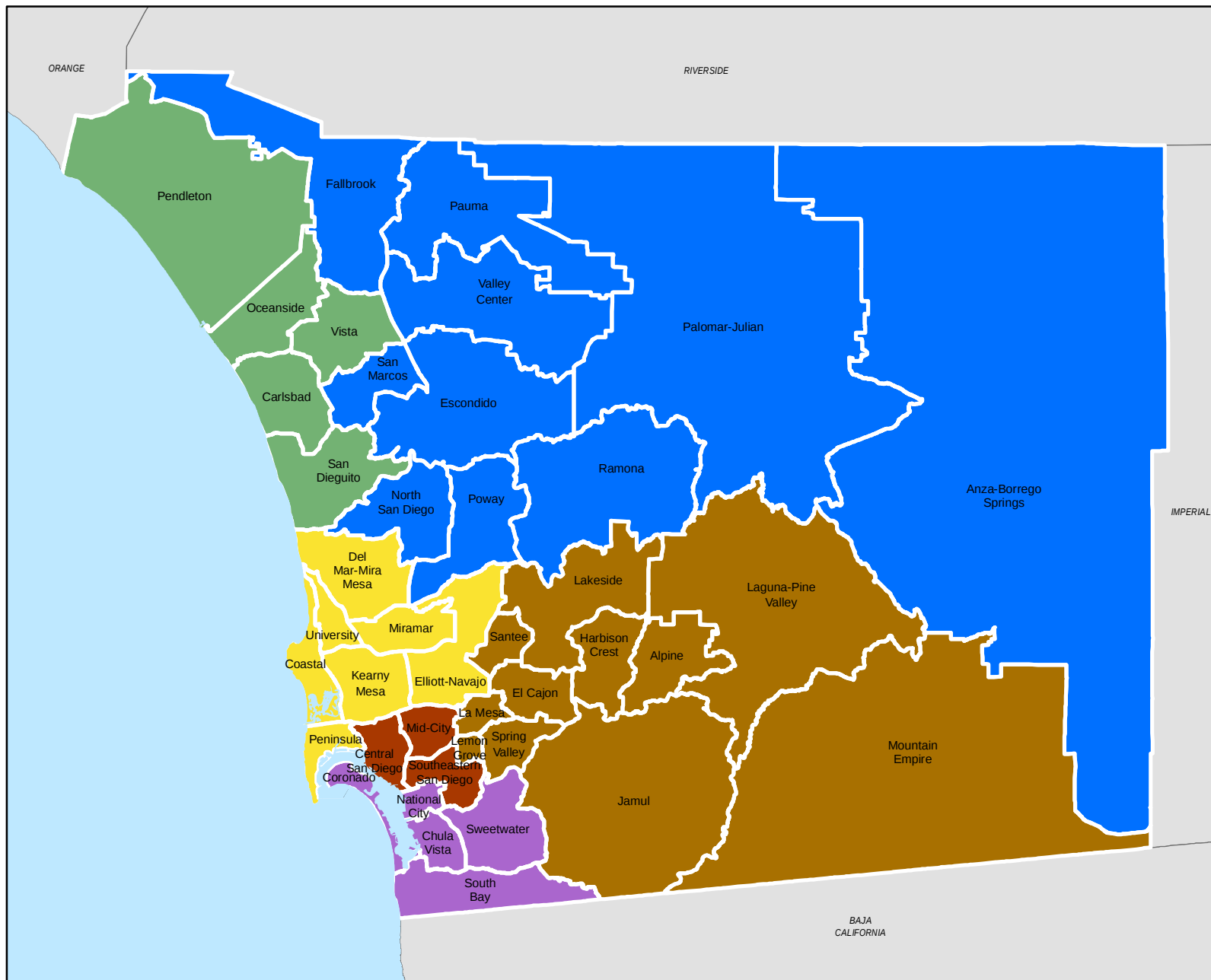
Regional Data

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.

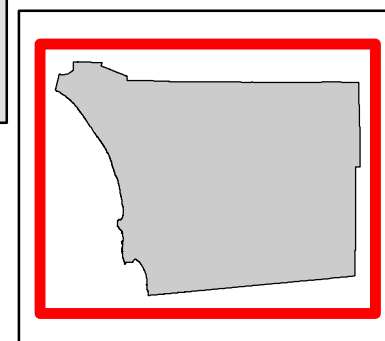
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leslie.ray@sdcounty.ca.gov

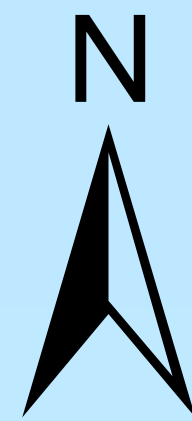
Regional and Subregional (SRA) Boundaries in San Diego County



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

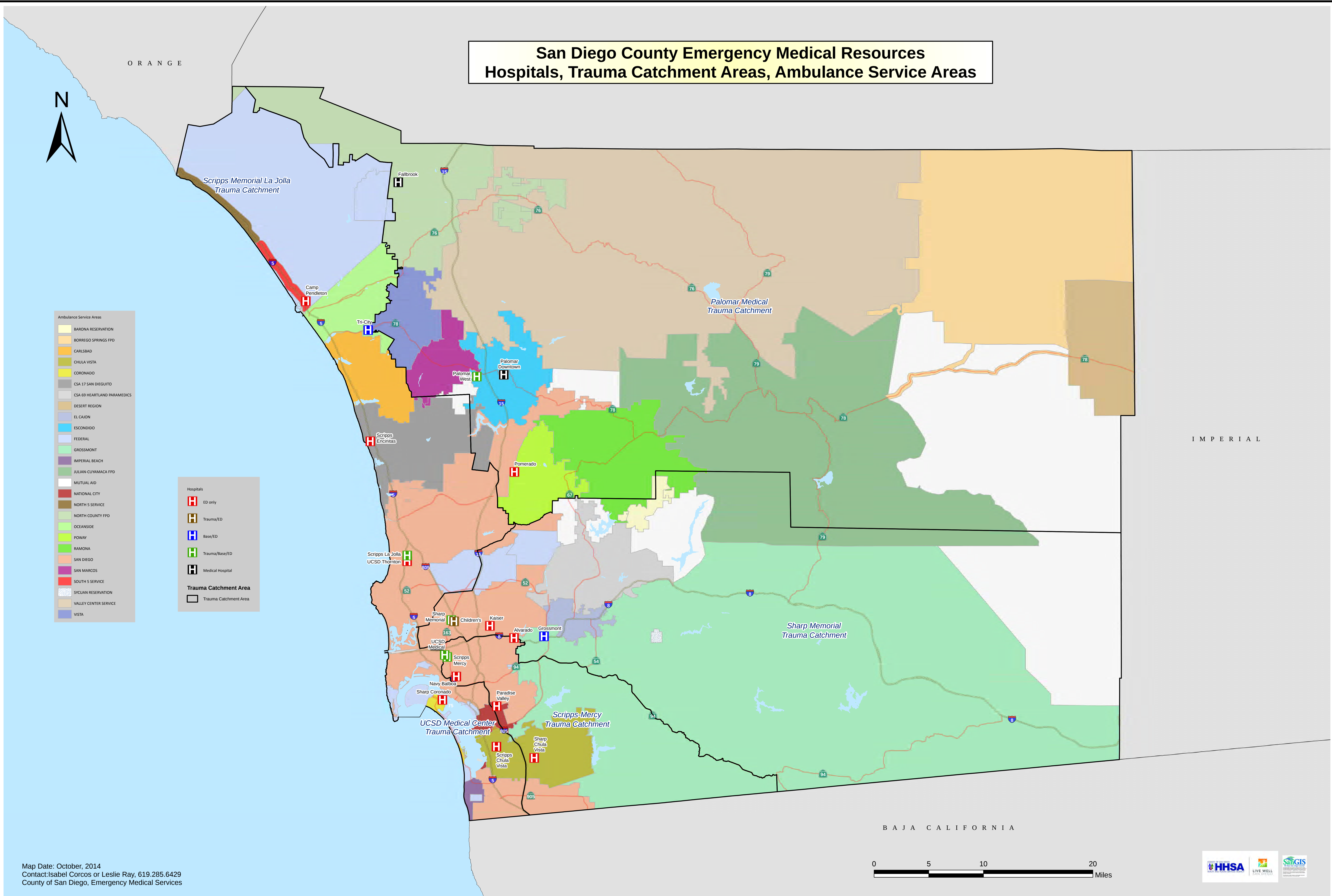


San Diego County Emergency Medical Resources Hospitals, Trauma Catchment Areas, Ambulance Service Areas



- 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



San Diego County Residents Discharged from an Emergency Department with Any Mention of Alzheimer's Disease and Other Dementias* 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)	6,184	199.8	7,338	235.5	8,144	259.1																
San Diego County (Age-Adjusted Rate)	6,184	204.0	7,338	232.5	8,144	253.2																
Central Region	665	137.3	744	153.2	878	179.6																
Central San Diego	203	122.6	240	144.6	298	178.6																
Mid-City	255	156.4	268	164.2	306	185.6																
Southeast San Diego	207	132.9	236	150.9	274	174.5																
East Region	1,162	250.9	1,349	289.1	1,666	354.5																
Alpine	41	272.7	35	230.9	54	354.7																
El Cajon	282	226.5	336	268.2	408	323.7																
Harbison Crest/El Cajon**	431	309.7	513	366.3	634	449.9																
Jamul	28	147.7	30	170.7	36	199.1																
La Mesa	284	480.6	331	551.8	407	674.7																
Laguna-Pine Valley	5	94.7	<5	\$	<5	\$																
Lakeside	74	132.1	97	172.1	125	219.5																
Lemon Grove	66	221.4	102	340.6	98	325.5																
Mountain Empire	16	210.8	7	82.3	16	186.9																
Santee	79	154.4	88	170.2	145	279.1																
Spring Valley	138	170.4	144	176.2	149	181.2																
North Central Region	1,137	188.3	1,283	210.4	1,366	222.1																
Coastal	192	254.7	222	293.8	203	267.5																
Del Mar-Mira Mesa	191	121.2	198	124.9	210	131.2																
Elliott-Navajo	182	204.3	219	244.9	243	269.2																
Kearny Mesa	390	257.9	436	287.4	468	307.0																
Miramar	<5	\$	<5	\$	<5	\$																
Peninsula	89	141.4	103	163.3	117	185.0																
University	92	146.7	105	157.9	124	182.1																
North Coastal Region	1,020	201.6	1,350	264.8	1,434	278.8																
Carlsbad	248	216.2	359	309.9	380	323.6																
Oceanside	305	191.0	405	253.0	445	276.0																
Pendleton	<5	\$	<5	\$	<5	\$																
San Dieguito	257	274.8	327	344.6	311	325.7																
Vista	208	207.1	258	254.6	298	291.9																
North Inland Region	1,188	208.6	1,523	265.1	1,614	277.4																
Anza-Borrego Springs	6	135.1	7	150.0	15	302.9																
Escondido	398	244.1	511	311.2	556	336.1																
Fallbrook	97	205.1	100	208.9	97	201.4																
North San Diego	295	276.9	391	363.3	395	356.1																
Palomar-Julian	<5	\$	<5	\$	<5	\$																
Pauma	5	67.0	8	102.9	6	76.9																
Poway	119	137.9	160	184.1	193	220.9																
Ramona	45	129.1	70	197.6	70	196.4																
San Marcos	176	195.6	233	258.3	233	254.7																
Valley Center	44	188.6	39	166.2	47	199.5																
South Region	1,006	214.7	1,083	230.7	1,179	249.1																
Chula Vista	441	382.7	461	397.7	462	396.2																
Coronado	100	404.9	88	377.2	100	431.3																
National City	145	248.6	167	285.5	201	342.1																
South Bay	206	152.7	247	182.8	279	205.8																
Sweetwater	114	84.2	120	87.9	137	98.4																
Unknown	6	---	6	---	7	---																

*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.

San Diego County Residents Discharged from an Emergency Department with Any Mention of Alzheimer's Disease and Other Dementias† 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)	6,184	199.8	2,344	150.9	3,840	249.1	4,623	308.2	224	152.8	871	87.9	326	95.4	97	83.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Diego County (Age-Adjusted Rate)	6,184	204.0																								
Central Region	665	137.3	261	105.4	404	170.7	339	236.0	111	195.8	130	63.6	69	108.0	10	63.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Central San Diego	203	122.6	94	103.8	109	145.2	127	154.3	25	217.7	34	59.0	10	117.7	6	105.7	<5	\$	<5	\$	<5	\$	<5	\$	21	55.3
Mid-City	255	156.4	91	112.1	164	200.4	162	348.8	23	119.1	44	64.3	21	89.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	13	39.7
Southeast San Diego	207	132.9	76	100.0	131	164.1	50	335.6	63	243.5	52	66.4	38	119.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	23	63.9
East Region	1,162	250.9	429	188.1	733	311.8	936	335.2	36	135.5	135	116.8	33	159.6	13	61.9	<5	\$	<5	\$	<5	\$	<5	\$	85	66.7
Alpine	41	272.7	17	227.9	24	316.8	38	321.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
El Cajon	282	226.5	114	187.1	168	264.2	232	315.0	<5	\$	33	99.6	6	135.0	5	79.7	<5	\$	<5	\$	<5	\$	<5	\$	22	69.4
Harbison Crest/El Cajon**	431	309.7	166	243.3	265	373.6	345	404.5	7	98.3	57	161.7	12	255.2	7	102.8	<5	\$	<5	\$	<5	\$	<5	\$	36	97.5
Jamul	28	147.7	11	100.9	17	210.9	24	228.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
La Mesa	284	480.6	108	383.2	176	569.4	244	658.7	8	193.1	21	177.2	7	202.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	32.6
Laguna-Pine Valley	5	94.7	<5	\$	<5	\$	5	126.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Lakeside	74	132.1	29	104.7	45	158.9	61	149.3	<5	\$	10	96.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	49.9
Lemon Grove	66	221.4	18	124.1	48	313.5	42	443.6	10	227.4	10	80.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	9	117.8
Mountain Empire	16	210.8	7	171.4	9	256.8	11	265.8	<5	\$	5	186.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Santee	79	154.4	27	109.0	52	197.1	67	176.4	<5	\$	10	122.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	9	61.0
Spring Valley	138	170.4	44	111.6	94	226.1	99	258.8	9	116.2	18	69.1	9	170.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	12	55.6
North Central Region	1,137	188.3	430	140.7	707	236.9	944	258.6	22	117.2	74	86.4	72	66.5	16	61.3	<5	\$	<5	\$	<5	\$	<5	\$	45	31.5
Coastal	192	254.7	67	172.5	125	342.2	176	289.3	<5	\$	9	111.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	30.4
Del Mar-Mira Mesa	191	121.2	71	89.8	120	152.9	140	184.3	5	135.1	7	44.3	35	63.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	17.9
Elliott-Navajo	182	204.3	67	155.0	115	250.7	155	258.0	5	124.3	12	92.5	7	91.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Kearny Mesa	390	257.9	156	207.0	234	308.5	302	358.1	12	178.7	41	122.4	25	126.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	27	75.8
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Peninsula	89	141.4	29	84.8	60	208.7	80	166.8	<5	\$	5	61.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
University	92	146.7	40	128.7	52	164.3	90	273.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
North Coastal Region	1,020	201.6	386	149.7	634	255.6	888	296.9	11	75.7	68	47.2	30	99.9	22	121.0	<5	\$	<5	\$	<5	\$	<5	\$	32	25.6
Carlsbad	248	216.2	100	179.3	148	251.1	232	275.0	<5	\$	5	30.0	<5	37.0	8	201.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Oceanside	305	191.0	105	132.5	200	248.6	252	339.4	<5	\$	26	43.4	16	130.6	6	93.9	<5	\$	<5	\$	<5	\$	<5	\$	11	28.1
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Diegoito	257	274.8	98	213.0	159	334.6	232	316.3	<5	\$	14	111.6	6	142.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	9	30.7
Vista	208	207.1	82	161.7	126	253.4	170	387.6	<5	\$	23	49.3	5	120.6	6	196.4	<5	\$	<5	\$	<5	\$	<5	\$	11	46.7
North Inland Region	1,188	208.6	458	163.3	730	252.6	1,021	324.3	16	154.6	81	49.4	37	62.5	30	141.6	<5	\$	<5	\$	<5	\$	<5	\$	51	33.5
Anza-Borrego Springs	6	135.1	<5	\$	6	273.5	6	214.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Escondido	398	244.1	152	188.0	246	299.5	338	475.4	6	178.3	37	49.9	8	78.3	8	188.9	<5	\$	<5	\$	<5	\$	<5	\$	28	72.9
Fallbrook	97	205.1	39	165.6	58	244.1	86	315.0	<5	\$	6	34.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
North San Diego	295	276.9	106	205.8	189	343.4	245	391.0	<5	\$	15	140.8	19	74.1	10	198.7	<5	\$	<5	\$	<5	\$	<5	\$	8	27.6
Palomar-Julian	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Pauma	5	67.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Poway	119	137.9	48	113.8	71	160.8	101	174.2	<5	\$	7	67.8	5	38.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Ramona	45	129.1	17	97.0	28	161.5	42	169.1	<5	\$	5	<5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Marcos	176	195.6	71	161.4	105	228.4	161	354.3	<5	\$	10	30.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	24.5
Valley Center	44	188.6	21	179.4	23	197.9	35	233.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
South Region	1,006	214.7	378	161.5	628	267.9	489	498.3	28	142.1	383	137.9	85	142.8	6	44.7	<5	\$	<5	\$	<5	\$	<5	\$	47	44.3
Chula Vista	441	382.7	160	288.1	281	470.7	224	1048.6	8	202.5	164	201.6	35	581.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	16	60.5
Coronado	100	404.9	36	247.5	64	630.2	93	519.1	<5	\$	5	149.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
National City	145	248.6	59	196.6	86	303.7	45	662.4	7	273.5	66	177.7	23	218.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	11	91.7
South Bay	206	152.7	86	126.4	120	179.5	63	306.9	7	129.1	117	126.6	16	122.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	12	39.2
Sweetwater	114	84.2	37	56.1	77	111.0	64	202.9	6	96.1	31	48.8	11	38.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	25.0
Unknown	6	---	<5	---	<5	---	6	---	<5	---	<5	---	<5	---	<5	---	<5	---	<5	---	<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.

Note: Numbers may not add up to totals due to unknown or missing details.

†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,

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)	7,338	235.5	2,823	180.6	4,515	290.7	5,413	361.9	248	173.5	969	95.9	376	107.8	231	196.1	6	1.0	6	1.2	26	2.9	359	46.6	6,941	1917.9		
San Diego County (Age-Adjusted Rate)	7,338	232.5																										
Central Region	744	153.2	277	111.7	467	196.7	382	268.4	120	218.7	137	65.9	74	114.6	15	93.6	<5	\$	<5	\$	<5	\$	3.1	42	38.7	695	1577.3	
Central San Diego	240	144.6	103	113.7	137	181.7	165	201.6	16	144.0	40	68.2	10	116.0	<5	69.8	<5	\$	<5	\$	<5	\$	15	38.8	224	1395.7		
Mid-City	268	164.2	90	110.7	178	217.3	159	347.6	29	154.3	42	60.4	27	113.5	5	94.3	<5	\$	<5	\$	<5	\$	15	44.8	250	1936.9		
Southeast San Diego	236	150.9	84	110.2	152	189.6	58	394.1	75	300.6	55	69.1	37	115.1	6	120.2	<5	\$	<5	\$	<5	\$	12	33.0	221	1463.0		
East Region	1,349	289.1	495	215.4	854	360.6	1,020	365.6	43	165.1	139	116.9	34	160.3	85	396.6	<5	\$	<5	\$	<5	\$	6	5.0	87	67.6	1,255	2145.6
Alpine	35	230.9	13	172.6	22	288.5	32	272.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	33	1482.5
El Cajon	336	268.2	128	208.7	208	325.4	245	333.2	8	116.7	33	97.1	9	198.0	32	502.5	<5	\$	<5	\$	<5	\$	24	74.9	310	2049.6		
Harbison Crest/El Cajon**	513	366.3	191	278.0	322	451.5	370	434.6	14	200.4	61	168.5	14	290.6	40	579.7	<5	\$	<5	\$	<5	\$	41	110.0	469	2648.1		
Jamul	30	170.7	16	158.4	14	187.3	24	251.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	29	1480.3		
La Mesa	331	551.8	118	412.2	213	679.2	271	726.7	8	194.7	23	186.5	<5	\$	19	711.9	<5	\$	<5	\$	<5	\$	17	108.4	314	3546.0		
Laguna-Pine Valley	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Lakeside	97	172.1	39	139.9	58	203.6	87	212.9	<5	\$	<5	\$	<5	\$	6	225.3	<5	\$	<5	\$	<5	\$	7	43.2	89	1397.8		
Lemon Grove	102	340.6	35	240.3	67	435.5	62	662.9	11	257.4	18	140.5	<5	\$	6	476.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	97	2837.9
Mountain Empire	7	82.3	<5	\$	<5	\$	6	133.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	489.0
Santee	88	170.2	36	143.9	52	195.0	79	206.9	<5	\$	5	59.6	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	53.3	79	1306.2		
Spring Valley	144	176.2	44	110.6	100	238.3	87	227.4	9	118.8	28	104.6	11	203.7	8	213.9	<5	\$	<5									

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

San Diego County Residents Discharged from an Emergency Department with Any Mention of Alzheimer's Disease and Other Dementias† 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)	8,144	259.1	3,104	197.0	5,040	321.5	5,873	393.5	319	228.9	1,141	110.2	424	119.1	346	287.0	5	0.8	<5	0.8	38	4.3	451	58.3	7,646	2041.5
San Diego County (Age-Adjusted Rate)	8,144	253.2																								
Central Region	878	179.6	333	133.5	545	227.8	428	302.3	150	282.8	179	84.3	78	119.3	36	219.6	<5	\$	<5	\$	6	3.7	71	64.9	800	1773.5
Central San Diego	298	178.6	133	146.3	165	217.3	190	233.3	30	279.3	49	81.7	12	136.7	14	239.0	<5	\$	<5	\$	<5	\$	30	76.8	265	1589.6
Mid-City	306	185.6	98	119.4	208	251.2	182	399.0	33	179.5	47	65.9	31	128.1	10	184.1	<5	\$	<5	\$	<5	\$	25	73.4	279	2120.2
Southeast San Diego	274	174.5	102	133.3	172	213.6	56	385.3	87	363.6	83	102.4	35	108.1	12	235.1	<5	\$	<5	\$	<5	\$	16	44.1	256	1675.6
East Region	1,666	354.5	610	263.4	1,056	442.9	1,277	459.1	59	231.6	162	132.0	32	147.9	123	559.5	<5	\$	<5	\$	7	5.8	109	85.0	1,550	2529.6
Alpine	54	354.7	26	344.2	28	364.9	45	385.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	52	2121.6
El Cajon	408	323.7	164	265.4	244	379.8	311	424.2	11	164.2	34	97.4	6	129.6	41	629.5	<5	\$	<5	\$	<5	\$	27	84.3	379	2422.8
Harbison Crest/El Cajon**	634	449.9	253	365.5	381	531.4	486	572.7	16	234.0	57	153.0	10	204.0	60	851.4	<5	\$	<5	\$	<5	\$	51	137.3	581	3159.5
Jamul	36	199.1	9	86.6	27	351.2	28	288.9	<5	\$	6	103.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	34	1569.7
La Mesa	407	674.7	123	427.0	284	901.2	329	886.4	14	347.1	28	219.5	6	163.5	26	947.9	<5	\$	<5	\$	<5	\$	12	76.9	393	4332.5
Laguna-Pine Valley	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Lakeside	125	219.5	52	184.6	73	253.6	112	273.1	<5	\$	8	72.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	49.5	116	1697.1
Lemon Grove	98	325.5	36	246.0	62	400.7	60	650.0	10	240.6	18	137.0	<5	\$	8	624.0	<5	\$	<5	\$	<5	\$	9	116.6	89	2514.1
Mountain Empire	16	186.9	<5	\$	12	303.6	13	295.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	16	1203.9
Santee	145	279.1	52	206.5	93	347.4	124	325.3	<5	\$	10	115.7	<5	\$	6	276.6	<5	\$	<5	\$	<5	\$	11	73.6	133	2083.3
Spring Valley	149	181.2	55	137.5	94	222.6	79	207.6	14	190.4	28	102.0	12	218.7	15	388.4	<5	\$	<5	\$	<5	\$	14	64.5	134	1318.8
North Central Region	1,366	222.1	566	182.0	800	263.0	1,097	300.6	31	166.9	99	109.8	86	75.4	45	164.9	<5	\$	<5	\$	5	2.6	52	35.8	1,307	1718.3
Coastal	203	267.5	79	202.2	124	336.7	190	313.8	<5	\$	5	58.9	<5	\$	7	271.0	<5	\$	<5	\$	<5	\$	<5	\$	199	1562.6
Del Mar-Mira Mesa	210	131.2	90	112.3	120	150.0	141	185.9	5	142.9	16	96.9	41	72.0	<5	\$	<5	\$	<5	\$	<5	\$	12	26.0	197	1274.1
Elliott-Navajo	243	269.2	119	271.6	124	267.0	205	341.5	7	177.4	9	66.5	12	146.7	9	196.8	<5	\$	<5	\$	<5	\$	<5	\$	237	1662.3
Kearny Mesa	468	307.0	175	230.5	293	382.9	340	406.9	15	231.3	57	163.6	32	156.2	22	311.6	<5	\$	<5	\$	<5	\$	24	66.0	441	2241.0
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Peninsula	117	185.0	48	139.3	69	239.7	108	227.5	<5	\$	5	57.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	42.5	111	1483.4
University	124	182.1	55	163.1	69	200.8	112	324.8	<5	\$	7	98.8	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	121	1878.6
North Coastal Region	1,434	278.8	525	200.3	909	360.2	1,211	404.8	24	170.8	96	63.9	62	195.9	37	192.5	<5	\$	<5	\$	7	5.1	73	57.5	1,353	2122.5
Carlsbad	380	323.6	133	233.0	247	409.3	344	403.5	<5	\$	12	67.4	13	150.6	6	143.6	<5	\$	<5	\$	<5	\$	10	30.0	369	1915.6
Oceanside	445	276.0	162	202.4	283	348.6	340	463.3	13	201.3	42	67.7	29	230.6	20	296.3	<5	\$	<5	\$	<5	\$	21	53.6	421	2199.4
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Diegoito	311	325.7	120	255.5	191	393.6	286	386.5	<5	\$	11	82.0	7	155.3	<5	\$	<5	\$	<5	\$	<5	\$	16	54.1	293	1997.8
Vista	298	291.9	110	213.6	188	371.7	241	557.7	<5	\$	31	63.4	13	302.0	8	255.3	<5	\$	<5	\$	<5	\$	26	107.2	270	2546.7
North Inland Region	1,614	277.4	600	209.4	1,014	343.4	1,365	435.3	22	218.6	115	66.2	62	99.2	48	217.7	<5	\$	<5	\$	9	6.2	85	54.7	1,518	1949.8
Anza-Borrego Springs	15	302.9	<5	\$	11	444.6	14	490.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	13	813.5
Escondido	556	336.1	210	256.0	346	414.8	478	685.1	8	247.4	49	63.2	8	75.8	12	273.9	<5	\$	<5	\$	<5	\$	5	11.1	34	86.6
Fallbrook	97	201.4	35	145.7	62	256.9	84	311.8	<5	\$	9	49.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	94	1070.1
North San Diego	395	356.1	146	272.2	249	434.6	308	480.2	6	241.2	20	173.6	37	134.5	23	435.0	<5	\$	<5	\$	<5	\$	17	55.9	378	2673.8
Palomar-Julian	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Pauma	6	76.9	<5	\$	5	132.1	5	167.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	680.3
Poway	193	220.9	64	149.9	129	288.7	171	295.8	<5	\$	6	54.8	9	65.5	5	145.1	<5	\$	<5	\$	<5	\$	12	43.9	179	1509.1
Ramona	70	196.4	27	151.0	43	242.3	64	256.7	<5	\$	6	68.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	9	81.0	60	1402.2
San Marcos	233	254.7	92	205.6	141	301.8	199	443.3	<5	\$	20	58.2	6	79.0	<5	\$	<5	\$	<5	\$	<5	\$	5	23.7	226	1855.0
Valley Center	47	199.5	19	160.8	28	238.6	40	273.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	44	1036.5
South Region	1,179	249.1	469	199.3	710	298.3	488	514.4	33	181.6	490	171.3	104	171.4	57	418.2	<5	\$	<5	\$	<5	\$	61	56.0	1,111	2200.4
Chula Vista	462	396.2	186	331.3	276	456.5	195	954.9	14	378.9	203	242.2	25	410.7	22	852.4	<5	\$	<5	\$	<5	\$	14	51.6	445	3008.4
Coronado	100	431.3	41	310.3	59	591.5	89	527.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	97	2683.3
National City	201	342.1	80	266.0	121	422.0	73	1140.6	12	498.1	76	199.7	32	302.7	7	535.6	<5	\$	<5	\$	<5	\$	18	147.3	183	3032.8
South Bay	279	205.8	113	165.7	166	246.2	72	365.9	<5	\$	165	174.7	26	199.4	13	372.4	<5	\$	<5	\$	<5	\$	16	51.8	259	1925.9
Sweetwater	137	98.4	49	72.4	88	123.1	59	187.2	<5	\$	43	64.8	20	66.5	11	204.9	<5	\$	<5	\$	<5	\$	10	29.6	127	1007.8
Unknown	7	---	<5	---	6	---	7	---	<5	---	<5	---	<5	---	<5	---	<5	---	<5	---	<5	---	<5	---	7	---

San Diego County Residents Discharged from a Hospital with Any Mention of Alzheimer's Disease and Other Dementias† 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)	11,131	359.6	11,688	375.1	11,686	371.8																
San Diego County (Age-Adjusted Rate)	11,131	367.4	11,688	371.5	11,686	362.3																
Central Region	1,366	282.0	1,493	307.5	1,566	320.4																
Central San Diego	444	268.2	491	295.8	533	319.5																
Mid-City	470	288.3	485	297.2	515	312.3																
Southeast San Diego	452	290.1	517	330.5	518	329.9																
East Region	2,329	502.9	2,369	507.7	2,483	528.3																
Alpine	62	412.4	58	382.6	65	426.9																
El Cajon	621	498.7	640	510.9	622	493.5																
Harbison Crest/El Cajon**	950	682.6	969	692.0	981	696.2																
Jamul	47	247.9	68	386.8	67	370.6																
La Mesa	541	915.5	524	873.5	563	933.4																
Laguna-Pine Valley	5	94.7	<5	\$	<5	\$																
Lakeside	127	226.7	133	236.0	145	254.6																
Lemon Grove	125	419.3	141	470.8	190	631.0																
Mountain Empire	23	303.1	29	340.9	29	338.7																
Santee	183	357.8	198	383.0	191	367.7																
Spring Valley	266	328.4	246	301.0	249	302.9																
North Central Region	1,955	323.7	1,988	326.0	1,953	317.5																
Coastal	331	439.1	340	450.0	336	442.7																
Del Mar-Mira Mesa	328	208.2	293	184.9	291	181.8																
Elliott-Navajo	352	395.0	352	393.6	344	381.1																
Kearny Mesa	630	416.6	662	436.4	628	412.0																
Miramar	<5	\$	<5	\$	<5	\$																
Peninsula	139	220.9	170	269.6	172	271.9																
University	173	275.8	169	254.2	182	267.3																
North Coastal Region	1,615	319.3	1,710	335.4	1,689	328.3																
Carlsbad	358	312.1	419	361.7	408	347.4																
Oceanside	558	349.4	549	342.9	613	380.2																
Pendleton	<5	\$	<5	\$	<5	\$																
San Dieguito	336	359.3	373	393.1	315	329.8																
Vista	361	359.4	369	364.2	352	344.8																
North Inland Region	2,078	364.9	2,170	377.7	2,079	357.3																
Anza-Borrego Springs	25	563.1	41	878.5	25	504.8																
Escondido	617	378.5	650	395.8	674	407.4																
Fallbrook	231	488.3	261	545.2	225	467.1																
North San Diego	487	457.1	512	475.8	465	419.2																
Palomar-Julian	8	127.7	12	186.7	9	137.8																
Pauma	18	241.4	14	180.1	8	102.6																
Poway	229	265.3	223	256.6	241	275.8																
Ramona	92	263.8	109	307.6	98	275.0																
San Marcos	315	350.1	296	328.2	275	300.7																
Valley Center	56	240.0	52	221.7	59	250.5																
South Region	1,788	381.7	1,958	417.1	1,916	404.8																
Chula Vista	766	664.7	784	676.4	767	657.8																
Coronado	130	526.3	106	454.4	115	496.0																
National City	322	552.1	393	671.9	385	655.3																
South Bay	363	269.1	437	323.4	430	317.1																
Sweetwater	207	153.0	238	174.2	219	157.3																
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.

San Diego County Residents Discharged from a Hospital with Any Mention of Alzheimer's Disease and Other Dementias† 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)	11,131	359.6	4,612	296.8	6,519	422.9	8,057	537.1	469	319.9	1,639	165.3	662	193.8	196	169.3	8	1.3	17	3.4	57	6.4	596	78.4	10,453	2974.5		
San Diego County (Age-Adjusted Rate)	11,131	367.4																										
Central Region	1,366	282.0	590	238.2	776	327.8	668	465.1	241	425.2	275	134.6	154	241.1	19	119.8	<5	\$	<5	\$	6	3.7	122	114.3	1,237	2858.1		
Central San Diego	444	268.2	204	225.4	240	319.8	282	342.7	52	452.9	77	133.6	22	258.9	11	193.8	<5	\$	<5	\$	<5	\$	47	123.9	393	2528.6		
Mid-City	470	288.3	193	237.7	277	338.5	265	570.5	57	295.1	79	115.4	58	246.2	5	95.2	<5	\$	<5	\$	<5	\$	42	128.2	428	3348.2		
Southeast San Diego	452	290.1	193	254.1	259	324.4	121	812.1	132	510.1	119	152.0	74	232.5	<5	\$	<5	\$	<5	\$	<5	\$	33	91.7	416	2781.5		
East Region	2,329	502.9	958	420.1	1,371	583.3	1,826	653.9	89	334.9	278	240.5	74	357.9	30	142.9	<5	\$	<5	\$	<5	\$	17	14.0	175	137.3	2,133	3812.3
Alpine	62	412.4	24	321.8	38	501.6	52	440.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	123.2	56	2673.0		
El Cajon	621	498.7	282	462.9	339	533.0	491	666.6	18	257.2	84	253.4	17	382.6	6	95.6	<5	\$	<5	\$	<5	\$	50	157.7	568	3872.6		
Harbison Crest/El Cajon**	950	682.6	401	587.7	549	773.9	752	881.7	26	365.0	122	346.1	30	638.0	12	176.3	<5	\$	<5	\$	6	16.7	78	211.2	864	5050.0		
Jamul	47	247.9	17	156.0	30	372.3	33	314.8	<5	\$	8	138.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	45	2267.0		
La Mesa	541	915.5	218	773.5	323	1044.9	440	1187.8	25	603.6	46	388.1	12	346.8	8	308.2	<5	\$	<5	\$	<5	\$	20	130.2	520	6050.0		
Laguna-Pine Valley	5	94.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	734.2		
Lakeside	127	226.7	52	187.7	75	264.9	112	274.2	<5	\$	10	96.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	13	81.1	113	1873.3		
Lemon Grove	125	419.3	43	296.6	82	535.5	85	897.9	13	295.6	18	143.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	11	143.9	113	3411.8		
Mountain Empire	23	303.1	8	195.9	15	428.0	19	459.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	22	2173.9		
Santee	183	357.8	87	351.3	96	363.8	146	384.4	<5	\$	23	282.8	<5	\$	<5	\$	<5	\$	<5	\$	6	43.3	28	189.8	148	2588.8		
Spring Valley	266	328.4	105	266.4	161	387.2	184	480.9	17	219.4	43	165.1	18	340.5	<5	\$	<5	\$	<5	\$	<5	\$	17	78.8	247	2624.3		
North Central Region	1,955	323.7	784	256.6	1,171	392.4	1,610	441.0	43	229.1	126	147.1	124	114.5	33	126.4	<5	\$	6	5.8	7	3.6	69	48.3	1,871	2603.0		
Coastal	331	439.1	129	332.1	202	552.9	309	508.0	<5	\$	11	136.7	<5	\$	5	202.3	<5	\$	<5	\$	<5	\$	8	48.6	321	2589.3		
Del Mar-Mira Mesa	328	208.2	135	170.7	193	245.9	224	294.9	11	297.1	19	120.3	59	107.4	10	139.2	<5	\$	<5	\$	<5	\$	10	22.3	316	2321.1		
Elliott-Navajo	352	395.0	147	340.0	205	446.9	297	494.3	8	199.0	24	185.0	17	221.0	<5	\$	<5	\$	<5	\$	<5	\$	9	40.0	343	2581.9		
Kearny Mesa	630	416.6	258	342.4	372	490.4	503	596.4	20	297.8	60	179.2	35	176.5	7	102.4	<5	\$	<5	\$	<5	\$	33	92.6	589	3089.4		
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
Peninsula	139	220.9	50	146.3	89	309.5	129	269.0	<5	\$	6	73.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	41.9	131	1812.4		
University	173	275.8	64	206.0	109	344.3	147	446.5	<5	\$	6	97.8	8	39.8	5	197.8	<5	\$	<5	\$	<5	\$	<5	\$	5	169	2688.9	
North Coastal Region	1,615	319.3	702	272.3	913	368.1	1,368	457.3	28	192.8	111	77.1	52	173.2	43	236.5	<5	\$	<5	\$	10	7.3	60	48.0	1,542	2587.1		
Carlsbad	358	312.1	156	279.7	202	342.7	324	384.0	<5	\$	10	60.0	11	135.7	10	251.6	<5	\$	<5	\$	<5	\$	10	30.7	348	1953.5		
Oceanside	558	349.4	240	302.8	318	395.2	434	584.6	16	230.6	54	90.2	26	212.2	19	297.4	<5	\$	<5	\$	<5	\$	24	61.3	529	2869.1		
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$		
San Dieguito	336	359.3	157	341.2	179	376.7	312	425.4	<5	\$	11	87.7	7	165.8	<5	\$	<5	\$	<5	\$	<5	\$	9	30.7	326	2464.5		
Vista	361	359.4	147	289.9	214	430.3	297	677.2	8	295.5	35	75.0	8	193.0	12	392.8	<5	\$	<5	\$	5	17.4	17	72.1	338	3348.5		
North Inland Region	2,078	364.9	839	299.1	1,239	428.7	1,770	562.3	17	164.3	151	92.1	74	125.1	54	254.8	<5	\$	<5	\$	11	7.4	87	57.1	1,975	2737.3		
Anza-Borrego Springs	25	563.1	16	712.4	9	410.2	23	820.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	21	1511.9		
Escondido	617	378.5	231	285.6	386	469.9	518	728.6	6	178.3	61	82.3	16	156.7	13	307.0	<5	\$	<5	\$	<5	\$	30	78.1	584	3332.2		
Fallbrook	231	488.3	97	411.9	134	564.1	200	732.5	<5	\$	24	139.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	37.9	223	2724.8		
North San Diego	487	457.1	196	380.6	291	528.7	398	635.2	<5	\$	24	225.2	40	156.0	18	357.6	<5	\$	<5	\$	<5	\$	16	55.3	469	3641.3		
Palomar-Julian	8	127.7	<5	\$	5	157.0	7	151.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	580.1		
Pauma	18	241.4	5	130.0	13	359.9	9	290.2	<5	\$	<5	\$	<5	\$	5	390.6	<5	\$	<5	\$	<5	\$	<5	\$	15	2164.5		
Poway	229	265.3	92	218.2	137	310.4	201	346.8	<5	\$	9	87.2	7	53.3	8	237.0	<5	\$	<5	\$	<5	\$	13	48.4	213	1968.6		
Ramona	92	263.8	34	193.9	58	334.5	85	342.3	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	6	54.5	84	2247.2		
San Marcos	315	350.1	133	302.3	182	395.9	280	616.2	<5	\$	20	61.3	5	68.6	5	174.2	<5	\$	<5	\$	<5	\$	6	29.4	307	2610.1		
Valley Center	56	240.0	32	273.3	24	206.5	49	327.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	51	1349.2		
South Region	1,788	381.7	739	315.7	1,049	447.5	815	830.5	51	258.8	698	251.3	184	309.2	17	126.7	<5	\$	<5	\$	6	4.5	83	78.3	1,695	3490.4		
Chula Vista	766	664.7	309	556.3	457	765.6	393	1839.7	14	354.3	287	352.9	56	929.6	8	312.3	<5	\$	<5	\$	<5	\$	28	105.8	734	5057.2		
Coronado	130	526.3	57	391.9	73	718.9	113	630.7	<5	\$	14	417.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	129	3705.8		
National City	322	552.1	140	466.6	182	642.8	91	1339.6	20	781.6	134	360.8	70	664.1														

San Diego County Residents Discharged from a Hospital with Any Mention of Alzheimer's Disease and Other Dementias† 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)	11,688	375.1	4,796	306.9	6,892	443.8	8,110	542.3	495	346.4	1,756	173.7	778	223.1	371	314.9	5	0.8	15	3.0	61	6.8	615	79.8	10,992	3037.2
San Diego County (Age-Adjusted Rate)	11,688	371.5																								
Central Region	1,493	307.5	608	245.1	885	372.7	709	498.2	247	450.3	281	135.2	207	320.7	27	168.4	<5	\$	<5	\$	10	6.2	131	120.7	1,351	3066.1
Central San Diego	491	295.8	224	247.3	267	354.2	310	378.7	54	485.9	88	150.0	21	243.6	9	157.0	<5	\$	<5	\$	<5	\$	53	137.1	435	2710.4
Mid-City	485	297.2	200	246.1	285	347.9	275	601.1	60	319.2	66	94.9	72	302.7	7	132.0	<5	\$	<5	\$	<5	\$	36	107.5	446	3455.5
Southeast San Diego	517	330.5	184	241.3	333	415.4	124	842.6	133	533.1	127	159.5	114	354.7	11	220.4	<5	\$	<5	\$	<5	\$	42	115.4	470	3111.3
East Region	2,369	507.7	892	388.2	1,477	623.6	1,720	616.4	102	391.6	273	229.5	61	287.6	137	639.2	<5	\$	<5	\$	21	17.4	164	127.4	2,180	3727.1
Alpine	58	382.6	20	265.5	38	498.4	48	408.1	<5	\$	5	213.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	57	2560.6
El Cajon	640	510.9	262	427.1	378	591.4	455	618.9	26	379.4	67	197.2	16	352.0	60	942.2	<5	\$	<5	\$	<5	\$	49	152.9	586	3874.4
Harbison Crest/El Cajon**	969	692.0	391	569.0	578	810.4	693	814.0	35	501.1	112	309.4	26	539.6	78	1130.4	<5	\$	<5	\$	6	16.7	79	212.0	882	4980.0
Jamul	68	386.8	31	306.8	37	495.0	44	460.3	<5	\$	13	236.9	<5	\$	5	1002.0	<5	\$	<5	\$	<5	\$	5	89.6	62	3164.9
La Mesa	524	873.5	176	614.8	348	1109.7	412	1104.8	20	486.7	45	365.0	5	139.5	22	824.3	<5	\$	<5	\$	<5	\$	21	133.9	498	5623.9
Laguna-Pine Valley	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Lakeside	133	236.0	57	204.5	76	266.8	111	271.6	<5	\$	6	56.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	10	61.7	121	1900.4
Lemon Grove	141	470.8	45	309.9	96	624.0	85	908.8	18	421.2	24	187.4	<5	\$	7	556.4	<5	\$	<5	\$	<5	\$	5	64.9	135	3949.7
Mountain Empire	29	340.9	13	284.1	16	407.1	19	421.2	<5	\$	6	194.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	201.1	23	1874.5
Santee	198	383.0	79	315.7	119	446.2	157	411.3	5	586.9	19	226.4	<5	\$	9	422.3	<5	\$	<5	\$	6	43.8	21	140.0	171	2827.4
Spring Valley	246	301.0	79	198.7	167	397.9	148	386.8	20	264.1	43	160.7	19	351.8	9	240.6	<5	\$	<5	\$	<5	\$	16	73.5	229	2324.9
North Central Region	1,988	326.0	858	278.2	1,130	375.1	1,598	437.6	37	197.9	130	148.2	132	118.4	54	202.9	<5	\$	5	4.8	8	4.1	85	58.8	1,890	2565.3
Coastal	340	450.0	137	351.8	203	554.4	311	513.0	<5	\$	13	157.7	9	264.2	<5	\$	<5	\$	<5	\$	<5	\$	5	30.5	333	2639.9
Del Mar-Mira Mesa	293	184.9	121	152.4	172	217.5	192	253.4	<5	\$	14	86.9	69	123.7	9	124.7	<5	\$	<5	\$	<5	\$	15	32.8	278	1933.8
Elliott-Navajo	352	393.6	169	389.5	183	397.5	295	492.5	9	226.2	19	144.0	7	88.3	13	293.9	<5	\$	<5	\$	<5	\$	15	66.4	334	2444.0
Kearny Mesa	662	436.4	298	394.4	364	478.1	492	586.1	22	333.7	71	208.4	41	203.3	23	332.3	<5	\$	<5	\$	<5	\$	33	91.3	622	3208.8
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Peninsula	170	269.6	66	192.0	104	362.5	154	322.8	<5	\$	8	95.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	12	84.3	158	2182.0
University	169	254.2	66	200.5	103	306.9	153	447.3	<5	\$	6	27.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	53.8	163	2550.1
North Coastal Region	1,710	335.4	713	274.6	997	398.6	1,445	483.2	32	223.5	122	83.1	61	197.1	42	224.0	<5	\$	<5	\$	7	5.1	73	57.6	1,628	2641.3
Carlsbad	419	361.7	178	316.1	241	404.8	375	442.8	<5	\$	13	75.7	20	239.2	8	196.7	<5	\$	<5	\$	<5	\$	11	33.2	407	2203.1
Oceanside	549	342.9	232	292.0	317	393.1	431	584.8	22	329.2	55	90.5	23	185.4	17	260.4	<5	\$	<5	\$	<5	\$	28	71.2	519	2771.5
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Dieguito	373	393.1	145	310.7	228	472.7	342	462.1	<5	\$	14	107.8	6	136.8	9	306.4	<5	\$	<5	\$	<5	\$	14	47.1	357	2557.1
Vista	369	364.2	158	309.1	211	420.2	297	680.7	9	342.2	40	83.8	12	283.9	8	259.3	<5	\$	<5	\$	<5	\$	20	83.0	345	3314.8
North Inland Region	2,170	377.7	932	329.3	1,238	424.6	1,833	584.0	20	196.4	150	89.1	93	153.6	54	250.5	<5	\$	<5	\$	9	6.1	78	50.5	2,078	2784.0
Anza-Borrego Springs	41	878.5	21	893.6	20	863.2	37	1311.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	38	2571.0
Escondido	650	395.8	281	344.8	369	446.0	550	779.8	6	182.2	63	83.2	14	134.9	14	325.3	<5	\$	<5	\$	<5	\$	33	84.3	612	3433.0
Fallbrook	261	545.2	119	498.9	142	591.1	237	870.3	<5	\$	16	89.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	11	83.7	249	2921.8
North San Diego	512	475.8	207	397.8	305	548.7	394	627.3	7	280.8	30	274.3	56	213.1	21	411.4	<5	\$	<5	\$	<5	\$	9	30.5	502	3771.9
Palomar-Julian	12	186.7	6	189.3	6	184.1	10	216.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	12	786.9
Pauma	14	180.1	<5	\$	10	265.3	9	288.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	13	1627.0
Poway	223	256.6	102	240.3	121	272.2	190	327.9	<5	\$	6	56.5	11	81.8	10	293.3	<5	\$	<5	\$	<5	\$	8	29.3	212	1882.8
Ramona	109	307.6	39	219.1	70	396.9	101	403.6	<5	\$	5	58.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	106	2641.4
San Marcos	296	328.2	128	290.1	168	364.6	257	571.9	6	350.9	21	63.1	7	94.5	<5	\$	<5	\$	<5	\$	<5	\$	10	48.3	285	2393.8
Valley Center	52	221.7	25	212.4	27	230.9	48	323.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	49	1224.7
South Region	1,958	417.1	793	339.3	1,165	494.2	805	837.3	57	303.2	800	284.6	224	373.5	57	424.3	<5	\$	<5	\$	6	4.6	84	77.8	1,865	3775.2
Chula Vista	784	676.4	306	548.1	478	795.5	352	1681.6	17	444.0	316	382.9	57	940.1	34	1326.1	<5	\$	<5	\$	<5	\$	29	107.7	751	5120.0
Coronado	106	454.4	57	426.3	49	492.1	95	556.4	<5	\$	6	186.7	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	104	2937.0
National City	393	671.9	150																							

San Diego County Residents Discharged from a Hospital with Any Mention of Alzheimer's Disease and Other Dementias† 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)	11,686	371.8	4,872	309.1	6,814	434.7	8,013	536.9	541	388.1	1,781	172.0	735	206.5	525	435.4	5	0.8	29	5.8	77	8.7	698	90.2	10,877	2904.1
San Diego County (Age-Adjusted Rate)	11,686	362.3																								
Central Region	1,566	320.4	707	283.4	859	359.0	731	516.2	261	492.0	301	141.7	197	301.4	64	390.4	<5	\$	<5	\$	20	12.2	145	132.5	1,396	3094.8
Central San Diego	533	319.5	276	303.7	257	338.4	320	392.9	65	605.1	84	140.0	31	353.2	26	443.9	<5	\$	<5	\$	7	9.9	52	133.1	472	2831.3
Mid-City	515	312.3	218	265.5	297	358.7	284	622.5	53	288.4	85	119.3	69	285.1	20	368.1	<5	\$	<5	\$	5	9.8	42	123.4	466	3541.3
Southeast San Diego	518	329.9	213	278.4	305	378.8	127	873.7	143	597.7	132	162.8	97	299.6	18	352.7	<5	\$	<5	\$	8	19.2	51	140.5	458	2997.8
East Region	2,483	528.3	956	412.8	1,527	640.5	1,769	635.9	118	463.3	295	240.4	71	328.1	207	941.6	<5	\$	6	8.6	19	15.8	198	154.5	2,260	3688.3
Alpine	65	426.9	25	331.0	40	521.3	58	497.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	104.1	60	2448.0
El Cajon	622	493.5	268	433.7	354	551.0	445	607.0	22	328.3	67	192.0	13	280.8	67	1028.7	<5	\$	<5	\$	5	15.1	47	146.8	569	3637.4
Harbison Crest/El Cajon**	981	696.2	419	605.3	562	783.9	689	811.8	41	599.7	112	300.6	22	448.9	105	1490.0	<5	\$	<5	\$	9	25.1	89	239.6	880	4785.5
Jamul	67	370.6	21	202.1	46	598.4	43	443.6	5	598.8	9	155.7	<5	\$	8	1529.6	<5	\$	<5	\$	<5	\$	<5	\$	64	2954.8
La Mesa	563	933.4	189	656.1	374	1186.8	445	1198.9	21	520.6	50	392.0	13	354.2	30	1093.7	<5	\$	<5	\$	<5	\$	26	166.7	534	5886.9
Laguna-Pine Valley	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Lakeside	145	254.6	52	184.6	93	323.1	117	285.3	<5	\$	14	127.4	<5	\$	8	292.6	<5	\$	<5	\$	<5	\$	14	86.7	130	1902.0
Lemon Grove	190	631.0	74	505.6	116	749.7	106	1148.3	27	649.7	34	258.8	11	477.4	12	936.0	<5	\$	<5	\$	<5	\$	14	181.4	174	4915.3
Mountain Empire	29	338.7	9	195.2	20	505.9	16	364.1	<5	\$	9	279.0	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	26	1956.4
Santee	191	367.7	73	289.9	118	440.8	153	401.3	5	603.9	12	138.8	<5	\$	18	829.9	<5	\$	<5	\$	<5	\$	21	140.6	166	2600.3
Spring Valley	249	302.9	92	230.1	157	371.8	139	365.2	18	244.8	51	185.8	20	364.4	20	517.9	<5	\$	<5	\$	<5	\$	26	119.7	223	2194.7
North Central Region	1,953	317.5	799	256.9	1,154	379.4	1,554	425.8	42	226.1	129	143.1	139	121.8	65	238.2	<5	\$	5	4.8	9	4.6	85	58.6	1,853	2436.1
Coastal	336	442.7	124	317.4	212	575.6	306	505.5	<5	\$	10	117.9	5	142.7	11	425.9	<5	\$	<5	\$	<5	\$	7	42.4	328	2575.6
Del Mar-Mira Mesa	291	181.8	108	134.8	183	228.8	190	250.5	<5	\$	18	109.0	67	117.7	11	150.4	<5	\$	<5	\$	<5	\$	15	32.4	273	1765.6
Elliott-Navajo	344	381.1	161	367.4	183	394.0	272	453.2	11	278.8	25	184.7	15	183.4	15	328.0	<5	\$	<5	\$	<5	\$	8	35.6	334	2342.7
Kearny Mesa	628	412.0	272	358.3	356	465.3	476	569.7	22	339.3	58	166.4	39	190.3	22	311.6	<5	\$	<5	\$	<5	\$	41	112.7	580	2947.3
Miramar	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
Peninsula	172	271.9	67	194.4	105	364.7	149	313.8	<5	\$	11	127.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	10	70.8	160	2138.2
University	182	267.3	67	198.7	115	334.7	161	466.9	<5	\$	7	98.8	11	49.1	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	178	2763.5
North Coastal Region	1,689	328.3	735	280.5	954	378.0	1,434	479.4	36	256.2	113	75.2	48	151.6	51	265.3	<5	\$	5	5.9	6	4.4	75	59.1	1,603	2514.7
Carlsbad	408	347.4	185	324.1	223	369.5	369	432.8	<5	\$	14	78.7	9	104.3	10	239.4	<5	\$	<5	\$	<5	\$	13	39.0	395	2050.6
Oceanside	613	380.2	265	331.1	348	428.7	484	659.6	21	325.1	56	90.2	24	190.8	24	355.5	<5	\$	<5	\$	<5	\$	28	71.5	582	3040.4
Pendleton	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$
San Dieguito	315	329.8	133	283.2	182	375.0	294	397.3	<5	\$	9	67.1	<5	\$	5	166.4	<5	\$	<5	\$	<5	\$	8	27.0	305	2079.6
Vista	352	344.8	151	293.2	201	397.4	286	661.8	9	354.6	34	69.5	11	255.5	12	383.0	<5	\$	<5	\$	<5	\$	26	107.2	321	3027.7
North Inland Region	2,079	357.3	853	297.7	1,226	415.1	1,743	555.9	22	218.6	141	81.2	86	137.6	72	326.6	<5	\$	7	8.4	11	7.5	114	73.4	1,947	2500.9
Anza-Borrego Springs	25	504.8	8	322.8	17	687.1	23	806.2	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	23	1439.3
Escondido	674	407.4	280	341.4	394	472.3	559	801.2	11	340.2	73	94.2	10	94.7	16	365.2	<5	\$	<5	\$	<5	\$	40	101.9	629	3448.3
Fallbrook	225	467.1	107	445.3	118	488.9	201	746.0	<5	\$	13	70.8	<5	\$	8	686.7	<5	\$	<5	\$	<5	\$	6	46.5	217	2470.4
North San Diego	465	419.2	191	356.1	274	478.2	360	561.3	5	201.0	21	182.3	51	185.5	23	435.0	<5	\$	<5	\$	<5	\$	23	75.6	438	3098.3
Palomar-Julian	9	137.8	<5	\$	6	180.7	7	152.5	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	8	486.9
Pauma	8	102.6	<5	\$	6	158.6	<5	\$	<5	\$	<5	\$	<5	\$	5	364.4	<5	\$	<5	\$	<5	\$	<5	\$	7	793.7
Poway	241	275.8	89	208.4	152	340.1	211	365.0	<5	\$	8	73.1	12	87.3	6	174.1	<5	\$	<5	\$	<5	\$	13	47.5	226	1905.4
Ramona	98	275.0	40	223.7	58	326.8	86	345.0	<5	\$	9	102.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	13	117.0	85	1986.4
San Marcos	275	300.7	109	243.6	166	355.3	241	536.8	<5	\$	15	43.6	9	118.5	6	204.8	<5	\$	<5	\$	<5	\$	15	71.1	257	2109.5
Valley Center	59	250.5	24	203.1	35	298.3	52	354.9	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	57	1342.8
South Region	1,916	404.8	822	349.3	1,094	459.6	782	824.3	62	341.1	802	280.4	194	319.7	66	484.3	<5	\$	<5	\$	12	9.3	81	74.3	1,818	3600.6
Chula Vista	767	657.8	328	584.3	439	726.0	344	1684.6	23	622.5	310	369.8	52	854.3	36	1394.8	<5	\$	<5	\$	5	16.3	24	88.4	736	4975.7
Coronado	115	496.0	58	439.0	57	571.5	101	598.9	<5	\$	8	240.4	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	112	3098.2</

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. A randomly assigned, unique code is assigned to each person who is discharged from the emergency department (ED) or the hospital. This code was used to identify the number of San Diego County residents who were discharged from 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
Creurzfeldt-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