

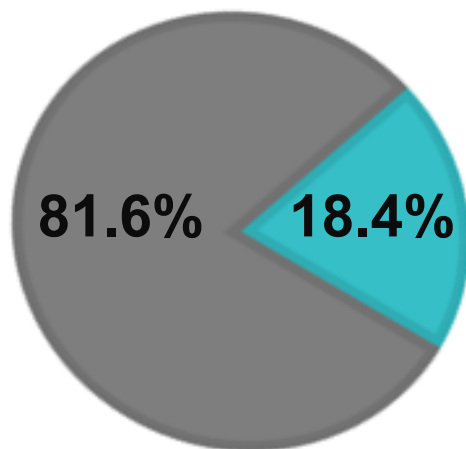
2017-2021 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older

2017-2021 Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older, Total and by Sex

	Total Population 35+	Males 35+	Females 35+
Total Population 35 and Over	269,969	135,094	134,875
Total Number of Deaths	3,018	1,660	1,358
Total Deaths Attributed to Smoking	555	351	204
Percent Deaths Attributed to Smoking	18.4%	21.1%	15.0%

2017-2021 DEATHS DUE TO SMOKING, TOTAL POPULATION 35+

- Total Deaths Attributed to Smoking
- Deaths Due to All Other Causes



Males:
21.1% of all deaths were attributable to smoking.



Females:
15.0% of all deaths were attributable to smoking.

Total deaths attributed to smoking were calculated using fractions by the Centers for Disease Control and Prevention (CDC), Smoking-Attributable Mortality, Morbidity, and Economic Costs (SAMMEC) System. <http://www.ncbi.nlm.nih.gov/books/NBK294316/table/ch12.t4/?report=objectonly>.

Note: Deaths with unknown age or sex were not included in the analysis. For deaths, sex may, or may not, match sex assigned to the decedent at birth. Deaths were pulled using 2017-2021 ICD 10 Mortality codes. The COVID-19 pandemic was associated with increases in all-cause mortality. COVID-19 deaths have affected the patterns of mortality including those of Smoking Attributable Mortality.

Source: California Department of Public Health (CDPH), Center for Health Statistics and Informatics, Vital Records Business Intelligence System (VRBIS), 2017-2021. County of San Diego, Department of the Medical Examiner, 2017-2021. SANDAG Population estimates, 2021 (vintage: 09/2022). Population estimates were derived using 2010 Census and data should be considered preliminary. Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, 05/04/2023.



2017-2021 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older

2017-2021 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older, Total and by Sex

Conditions/ Diseases	ICD 10 Codes	Males 35+			Females 35+			Total 35+ Population	
		Deaths	†Attributable fraction (%)	SAM	Deaths	†Attributable fraction (%)	SAM	Deaths	SAM
Lung cancer	C33-C34	58	0.84	49	55	0.81	44	113	93
Other cancers ^a	C00-C14, C15, C16, C18-21, C22, C25, C32, C53, C64-65, C67, C92.0	141	0.25	36	102	0.13	14	243	49
Total—Cancers		199	0.52	104	157	0.44	68	356	173
Coronary heart disease	I11, I20-I25	293	0.28	83	170	0.19	33	463	116
Other heart disease ^b	I00-I09, I26-I28, I30-I51	103	0.18	18	98	0.13	12	201	31
Cerebrovascular disease ^c	I60-I69	89	0.15	14	112	0.09	10	201	23
Other vascular disease ^d	I70-I74, I76-I78	16	0.41	7	11	0.35	4	27	11
Diabetes mellitus	E10-E14	79	0.18	14	62	0.08	5	141	19
Total—Cardiovascular and metabolic diseases		580	0.24	139	453	0.15	70	1,033	209
Pneumonia, influenza,	J09-J18, A16-A19	23	0.31	7	24	0.16	4	47	11
COPD	J40-J44	59	0.82	48	49	0.76	37	108	86
Total—Pulmonary diseases ^e		82	0.67	55	73	0.57	41	155	97
Total—Cancers, cardiovascular and metabolic diseases, pulmonary diseases		861	0.38	324	683	0.28	188	1,544	512
Prenatal conditions ^f	K55.0, P00.0, P01.0, P01.1, P01.5, P02.0, P02.1, P02.7, P07.0–P07.3, P10.2, P22.0–P22.9, P25.0–P27.9, P28.0, P28.1, P36.0–P36.9, P52.0–P52.3, and P77	§	0.06	§	§	0.06	§	§	§
Sudden infant death syndrome ^g	R95	§	0.17	§	§	0.17	§	§	§
Total Perinatal Conditions		§	0.08	§	§	0.08	§	13	1
Residential fires	X00-X09	§	1.00	§	§	1.00	§	§	§
Secondhand smoke									
Lung Cancer	C33-C34	58	0.05	3	55	0.04	2	113	5
Coronary heart disease	I11, I20-I25	293	0.09	26	170	0.08	13	463	39
Total—Secondhand smoke		351	0.08	27	225	0.07	15	576	42
TOTAL Attributable Deaths				351			204		555

†Fractions by the Centers for Disease Control and Prevention (CDC), Smoking-Attributable Mortality, Morbidity, and Economic Costs (SAMMEC) System. <http://www.ncbi.nlm.nih.gov/books/NBK294316/table/ch12.t4/?report=objectonly>
 Note: Deaths with unknown age or sex were not included in the analysis. Deaths were pulled using 2017-2021 ICD 10 Mortality codes.

For deaths, sex may, or may not, match sex assigned to the decedent at birth.
 The COVID-19 pandemic was associated with increases in all-cause mortality. COVID-19 deaths have affected the patterns of mortality including those of Smoking Attributable Mortality.
 Source: California Department of Public Health (CDPH), Center for Health Statistics and Informatics, Vital Records Business Intelligence System (VRBIS), 2017-2021. Prepared by County of San Diego, Health and Human Services Agency, Public Health Services, Community Health Statistics Unit, 05/04/2023.

§ Data de-identified due to small counts or complementary cells.
 Note: COPD = chronic obstructive pulmonary disease.
 a - Other cancers consist of cancers of the lip, pharynx and oral cavity, esophagus, stomach, pancreas, larynx, cervix uteri (women), kidney and renal pelvis, bladder, liver, colon and rectum, and acute myeloid leukemia.
 b - Other heart disease comprised of rheumatic heart disease, pulmonary heart disease, and other forms of heart disease.
 c - Cerebrovascular diseases ICD-10 Codes: I60-I69
 d - Other vascular diseases are comprised of atherosclerosis, aortic aneurysm, and other arterial diseases.
 e - Pulmonary diseases consists of pneumonia, influenza, emphysema, bronchitis, and chronic airways obstruction.
 f - Prenatal conditions comprised of ICD-10 codes: K55.0, P00.0, P01.0, P01.1, P01.5, P02.0, P02.1, P02.7, P07.0–P07.3, P10.2, P22.0–P22.9, P25.0–P27.9, P28.0, P28.1, P36.0–P36.9, P52.0–P52.3, and P77 (Dietz et al. 2010).
 g - ICD-10 code R95