

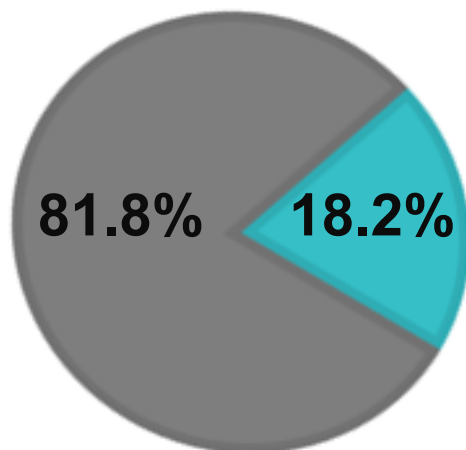
2017-2021 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for South Region Adults 35 Years of Age and Older

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

	Total Population 35+	Males 35+	Females 35+
Total Population 35 and Over	238,141	116,439	121,702
Total Number of Deaths	3,333	1,767	1,566
Total Deaths Attributed to Smoking	608	380	228
Percent Deaths Attributed to Smoking	18.2%	21.5%	14.5%

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

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



Males:
21.5% of all deaths were attributable to smoking.



Females:
14.5% 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/ch12.14/?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 South Region Adults 35 Years of Age and Older

2017-2021 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for South 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	74	0.84	62	57	0.81	46	131	108
Other cancers ^a	C00□C14, C15, C16, C18-21, C22, C25, C32, C53, C64-65, C67, C92.0	179	0.25	45	122	0.13	16	301	61
Total—Cancers		253	0.52	132	179	0.44	78	432	210
Coronary heart disease	I11, I20-I25	284	0.28	80	183	0.19	35	467	116
Other heart disease ^b	I00-I09, I26-I28, I30-I51	109	0.18	19	115	0.13	14	224	34
Cerebrovascular disease ^c	I60□I69	106	0.15	16	120	0.09	10	226	27
Other vascular disease ^d	I70-I74, I76-I78	15	0.41	6	15	0.35	5	30	12
Diabetes mellitus	E10-E14	82	0.18	14	72	0.08	6	154	20
Total—Cardiovascular and metabolic diseases		596	0.24	143	505	0.15	78	1,101	221
Pneumonia, influenza, tuberculosis	J09□J18, A16-A19	29	0.31	9	22	0.16	3	51	12
COPD	J40-J44	60	0.82	49	59	0.76	45	119	94
Total—Pulmonary diseases^e		89	0.67	60	81	0.57	46	170	106
Total—Cancers, cardiovascular and metabolic diseases, pulmonary diseases		938	0.38	353	765	0.28	211	1,703	564
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	§	14	1
Residential fires	X00–X09	§	1.00	§	§	1.00	§	§	§
Secondhand smoke									
Lung Cancer	C33-C34	74	0.05	4	57	0.04	2	131	6
Coronary heart disease	I11, I20-I25	284	0.09	25	183	0.08	14	467	39
Total—Secondhand smoke		358	0.08	27	240	0.07	16	598	44
TOTAL Attributable Deaths				380			228		608

†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.

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§ 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

