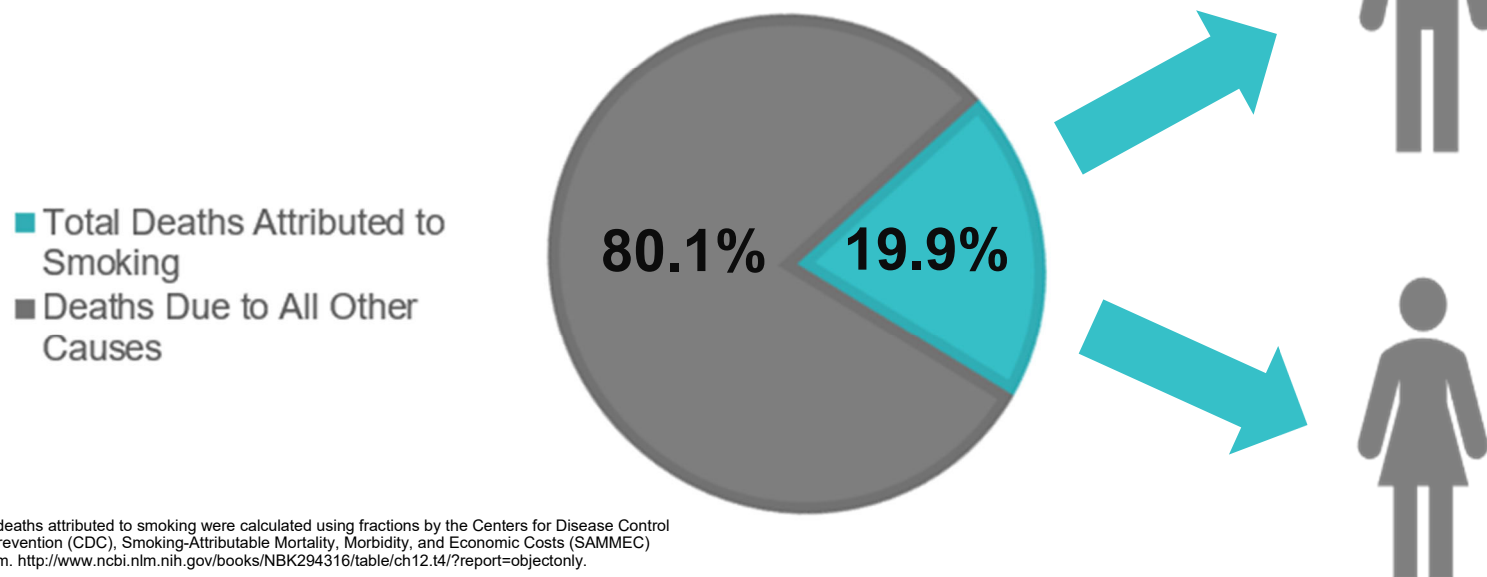


# 2015-2019 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older

## 2015-2019 Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older, Total and by Gender

	Total Population 35+	Males 35+	Females 35+
Total Population 35 and Over	255,681	127,799	127,882
Total Number of Deaths	2,729	1,468	1,262
Total Deaths Attributed to Smoking	544	338	207
<b>Percent Deaths Attributed to Smoking</b>	<b>19.9%</b>	<b>23.0%</b>	<b>16.4%</b>

### 2015-2019 DEATHS DUE TO SMOKING, TOTAL POPULATION 35+



**Males:**  
23.0% of all deaths were attributable to smoking.

**Females:**  
16.4% 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. Deaths were pulled using 2015-2019 ICD 10 Mortality codes.

Source: California Department of Public Health (CDPH), Center for Health Statistics and Informatics, Vital Records Business Intelligence System (VRBIS), 2015-2019. County of San Diego, Department of the Medical Examiner, 2015-2019. Population Estimates: San Diego Association of Governments (SANDAG), 2019. Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, 04/07/2022.



# 2015-2019 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older

2015-2019 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for Central Region Adults 35 Years of Age and Older, Total and by Gender

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	60	0.84	50	60	0.81	48	120	99
Other cancers <sup>a</sup>	C00-C14, C15, C16, C18-21, C22, C25, C32, C53, C64-65, C67, C92.0	152	0.25	38	99	0.13	13	251	52
<b>Total—Cancers</b>		<b>212</b>	<b>0.52</b>	<b>111</b>	<b>159</b>	<b>0.44</b>	<b>69</b>	<b>371</b>	<b>180</b>
Coronary heart disease	I11, I20-I25	272	0.28	77	185	0.19	36	457	113
Other heart disease <sup>b</sup>	I00-I09, I26-I28, I30-I51	89	0.18	16	91	0.13	11	180	27
Cerebrovascular disease <sup>c</sup>	I60-I69	78	0.15	12	101	0.09	9	179	21
Other vascular disease <sup>d</sup>	I70-I74, I76-I78	15	0.41	6	13	0.35	5	28	11
Diabetes mellitus	E10-E14	74	0.18	13	57	0.08	4	131	18
<b>Total—Cardiovascular and metabolic diseases</b>		<b>528</b>	<b>0.24</b>	<b>127</b>	<b>447</b>	<b>0.15</b>	<b>69</b>	<b>975</b>	<b>196</b>
Pneumonia, influenza, tuberculosis	J09-J18, A16-A19	29	0.31	9	29	0.16	5	58	13
COPD	J40-J44	60	0.82	49	52	0.76	39	112	89
<b>Total—Pulmonary diseases <sup>e</sup></b>		<b>89</b>	<b>0.67</b>	<b>60</b>	<b>81</b>	<b>0.57</b>	<b>46</b>	<b>170</b>	<b>106</b>
<b>Total—Cancers, cardiovascular and metabolic diseases, pulmonary diseases</b>		<b>829</b>	<b>0.38</b>	<b>312</b>	<b>687</b>	<b>0.28</b>	<b>190</b>	<b>1,516</b>	<b>501</b>
Prenatal conditions <sup>f</sup>	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	7	0.06	0	5	0.06	0	12	1
Sudden infant death syndrome <sup>g</sup>	R95	<5	0.17	§	<5	0.17	§	<5	§
<b>Total Perinatal Conditions</b>		<b>7</b>	<b>0.08</b>	<b>1</b>	<b>5</b>	<b>0.08</b>	<b>0</b>	<b>12</b>	<b>1</b>
<b>Residential fires</b>	X00-X09	<b>&lt;5</b>	<b>1.00</b>	<b>§</b>	<b>&lt;5</b>	<b>1.00</b>	<b>§</b>	<b>&lt;5</b>	<b>§</b>
<b>Secondhand smoke</b>									
Lung Cancer	C33-C34	60	0.05	3	60	0.04	3	120	6
Coronary heart disease	I11, I20-I25	272	0.09	24	185	0.08	14	457	38
<b>Total—Secondhand smoke</b>		<b>332</b>	<b>0.08</b>	<b>25</b>	<b>245</b>	<b>0.07</b>	<b>17</b>	<b>577</b>	<b>42</b>
<b>TOTAL Attributable Deaths</b>				<b>338</b>			<b>207</b>		<b>544</b>

†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 2015-2019 ICD 10 Mortality codes.

Source: California Department of Public Health (CDPH), Center for Health Statistics and Informatics, Vital Records Business Intelligence System (VRBIS), 2015-2019. County of San Diego, Department of the Medical Examiner, 2015-2019. Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, 04/07/2022.

<5: Death counts less than five are censored.

§: Smoking attributable mortality not calculated for death counts less than five.

Counts <5 and § are only included in the total attributable deaths, unless otherwise stated.

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

