

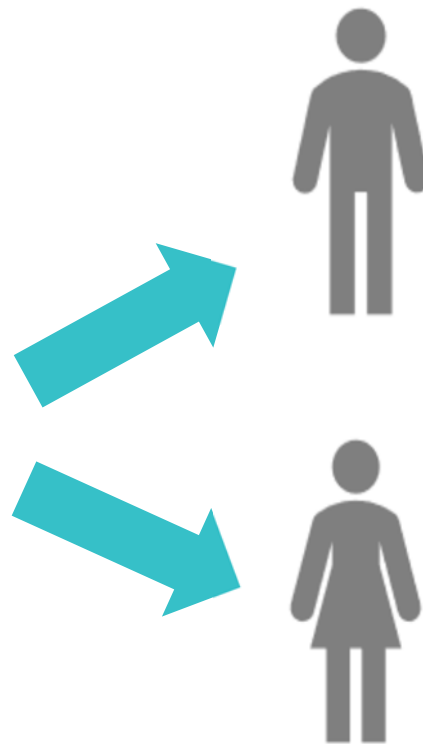
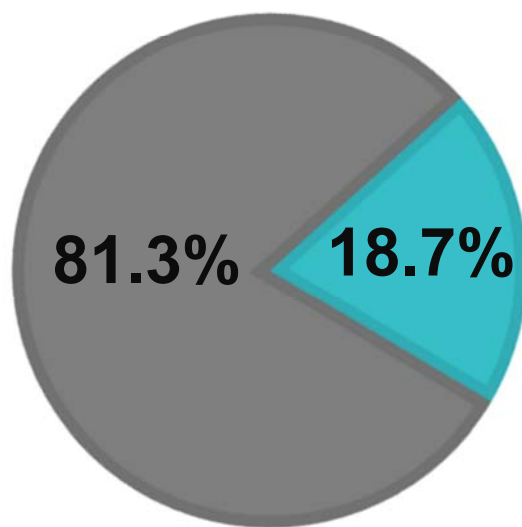
# 2017 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for North Central Region Adults 35 Years of Age and Older

**2017 Smoking-Attributable Mortality (SAM) for North 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	352,659	171,681	180,978
Total Number of Deaths	3,535	1,758	1,777
Total Deaths Attributed to Smoking	660	385	275
<b>Percent Deaths Attributed to Smoking</b>	<b>18.7%</b>	<b>21.9%</b>	<b>15.5%</b>

## 2017 DEATHS DUE TO SMOKING, TOTAL POPULATION 35+

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



**Males:**  
21.9% of all deaths were attributable to smoking.

**Females:**  
15.5% of all deaths were attributable to smoking.

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

2017 Deaths and Estimates of Smoking-Attributable Mortality (SAM) for North 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	68	0.84	57	94	0.81	76	162	133
Other cancers <sup>a</sup>	C00-C14, C15, C16, C18-21, C22, C25, C32, C53, C64-65, C67, C92.0	190	0.25	48	135	0.13	18	325	66
<b>Total—Cancers</b>		<b>258</b>	<b>0.52</b>	<b>135</b>	<b>229</b>	<b>0.44</b>	<b>100</b>	<b>487</b>	<b>235</b>
Coronary heart disease	I11, I20-I25	286	0.28	81	234	0.19	45	520	126
Other heart disease <sup>b</sup>	I00-I09, I26-I28, I30-I51	123	0.18	22	141	0.13	18	264	40
Cerebrovascular disease <sup>c</sup>	I60-I69	95	0.15	15	125	0.09	11	220	25
Other vascular disease <sup>d</sup>	I70-I74, I76-I78	20	0.41	8	19	0.35	7	39	15
Diabetes mellitus	E10-E14	61	0.18	11	43	0.08	3	104	14
<b>Total—Cardiovascular and metabolic diseases</b>		<b>585</b>	<b>0.24</b>	<b>141</b>	<b>562</b>	<b>0.15</b>	<b>86</b>	<b>1,147</b>	<b>227</b>
Pneumonia, influenza, tuberculosis	J09-J18, A16-A19	35	0.31	11	33	0.16	5	68	16
COPD	J40-J44	73	0.82	60	91	0.76	69	164	129
<b>Total—Pulmonary diseases<sup>e</sup></b>		<b>108</b>	<b>0.67</b>	<b>72</b>	<b>124</b>	<b>0.57</b>	<b>70</b>	<b>232</b>	<b>143</b>
<b>Total—Cancers, cardiovascular and metabolic diseases, pulmonary diseases</b>		<b>951</b>	<b>0.38</b>	<b>357</b>	<b>915</b>	<b>0.28</b>	<b>252</b>	<b>1,866</b>	<b>610</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	5	0.06	0	6	0.06	0	11	1
Sudden infant death syndrome <sup>g</sup>	R95	3	0.17	1	0	0.17	0	3	1
<b>Total Perinatal Conditions</b>		<b>8</b>	<b>0.08</b>	<b>1</b>	<b>6</b>	<b>0.08</b>	<b>0</b>	<b>14</b>	<b>1</b>
Residential fires	X00-X09	0	1.00	0	0	1.00	0	0	0
<b>Secondhand smoke</b>									
Lung Cancer	C33-C34	68	0.05	3	94	0.04	4	162	7
Coronary heart disease	I11, I20-I25	286	0.09	25	234	0.08	18	520	43
<b>Total—Secondhand smoke</b>		<b>354</b>	<b>0.08</b>	<b>27</b>	<b>328</b>	<b>0.07</b>	<b>22</b>	<b>682</b>	<b>49</b>
<b>TOTAL Attributable Deaths</b>				<b>385</b>			<b>275</b>		<b>660</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/ch12.14/?report=objectonly>

Note: Deaths with unknown age or sex were not included in the analysis. Deaths were pulled using 2017 ICD 10 Mortality codes.

Source: California Department of Public Health (CDPH), Center for Health Statistics and Informatics, Vital Records Business Intelligence System (VRBIS), 2017. Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, 10/21/19.

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