

Diseases and Adverse Health Effects Related to Smoking: 2004 Surgeon General's Report on the *Health Consequences of Smoking* and July 1, 2005 MMWR on *Annual Smoking-Attributable Mortality, Years of Potential Life Lost, and Productivity Losses in the US, 1997--2001*

General Disease Category	Specific Disease Category	ICD-9	ICD-10
NEOPLASMS	Malignant neoplasm of lip	140	C00
	Malignant neoplasm of tongue (base of tongue & other and unspecified parts of tongue)	141	C01 & C02
	Malignant neoplasm of major salivary glands	142	
	Malignant neoplasm of gum	143	C03
	Malignant neoplasm of floor of mouth	144	C04
	Malignant neoplasm of palate		C05
	Malignant neoplasm of other and unspecified parts of mouth	145	C06
	Malignant neoplasm of parotid gland		C07
	Malignant neoplasm of other and unspecified major salivary glands		C08
	Malignant neoplasm of tonsil		C09
	Malignant neoplasm of oropharynx	146	C10
	Malignant neoplasm of nasopharynx	147	C11
	Malignant neoplasm of pyriform sinus		C12
	Malignant neoplasm of hypopharynx	148	C13
	Malignant neoplasm of other and ill-defined sites within the lip, oral cavity, and pharynx	149	C14
	Malignant neoplasm of esophagus	150	C15
	Malignant neoplasm of stomach	151	C16
	Malignant neoplasm of pancreas	157	C25
	Malignant neoplasm of larynx	161	C32
	Malignant neoplasm of trachea & bronchus and lung	162	C33 & C34
	Malignant neoplasm of cervix uteri	180	C53
	Malignant neoplasm of urinary bladder (bladder)	188	C67
	Malignant neoplasm of kidney and other unspecified urinary organs	189	
	Malignant neoplasm of kidney, except renal pelvis		C64
	Malignant neoplasm of renal pelvis		C65
	Acute myeloid leukemia	205	C92
	CARDIOVASCULAR DISEASE	Acute myocardial infarction	410
Other acute and subacute form of ischemic heart disease		411	I24
Old myocardial infarction		412	
Subsequent myocardial infarction			I22
Angina pectoris		413	I20
Other forms of chronic ischemic heart disease		414	I25
Rheumatic fever without mention of heart involvement		390	I00
Rheumatic fever with heart involvement		391	I01
Rheumatic chorea		392	I02
Chronic rheumatic pericarditis		393	
Diseases of mitral valve (rheumatic & non-rheumatic)		394	I05 & I34

CVD, continued

Disease of aortic valve (rheumatic & non-rheumatic)	395	I06 & I35
Diseases of mitral and aortic valves (multiple valve disease)	396	I08
Rheumatic tricuspid valve diseases		I07
Nonrheumatic tricuspid valve diseases		I36
Diseases of other endocardial structures	397	
Other rheumatic heart disease	398	I09
Acute pulmonary heart disease	415	
Chronic pulmonary heart disease	416	
Pulmonary embolism		I26
Other pulmonary heart diseases		I27
Other diseases of pulmonary circulation (vessels)	417	I28
Pulmonary valve disorders		I37
Acute pericarditis	420	I30
Acute and subacute endocarditis	421	I33
Endocarditis, valve unspecified		I38
Acute myocarditis	422	I40
Other disease of pericardium	423	I31
Other diseases of endocardium	424	
Cardiomyopathy	425	I42
Atrioventricular and left bundle-branch block		I44
Conduction disorders	426	I45
Cardiac arrest		I46
Paroxysmal tachycardia		I47
Atrial fibrillation and flutter		I48
Cardiac dysrhythmias (other cardiac arrhythmias)	427	I49
Heart failure	428	I50
Ill-defined descriptions and complications of heart disease	429	I51
Subarachnoid hemorrhage	430	I60
Intracerebral hemorrhage	431	I61
Other and unspecified intracranial hemorrhage (other nontraumatic intracranial hemorrhage)	432	I62
Occlusion and stenosis of precerebral arteries	433	
Occlusion of cerebral arteries	434	
Transient cerebral ischemia	435	
Acute but ill-defined cerebrovascular disease	436	
Cerebral infarction		I63
Stroke, not specified as hemorrhage or infarction		I64
Other and ill-defined cerebrovascular disease (other cerebrovascular diseases)	437	I67
Late effects of cerebrovascular disease (sequelae of cerebrovascular disease)	438	I69
Atherosclerosis	440	I70
Aortic aneurysm (and dissection)	441	I71
Other aneurysm	442	I72
Other peripheral vascular disease	443	I73

CVD, continued	Arterial embolism and thrombosis	444	I74
	Polyarteritis nodosa and allied conditions	446	
	Other disorders of arteries and arterioles	447	I77
	Diseases of capillaries	448	I78
RESPIRATORY DISEASES	Viral pneumonia (not elsewhere classified)	480	J12
	Pneumococcal pneumonia [Streptococcus pneumoniae pneumonia]	481	J13
	Pneumonia due to Hemophilus influenzae		J14
	Other bacterial pneumonia (bacterial pneumonia, not elsewhere classified)	482	J15
	Pneumonia due to other specified organism	483	
	Pneumonia due to other infectious organisms, not elsewhere classified		J16
	Pneumonia in infectious diseases classified elsewhere	484	
	Bronchopneumonia, organism unspecified	485	
	Pneumonia, organism unspecified	486	J18
	Influenza (due to identified influenza virus & virus not identified)	487	J10 & J11
	Bronchitis, not specified as acute or chronic	490	J40
	Chronic bronchitis (Unspecified chronic bronchitis)	491	J42
	Simple and mucopurulent chronic bronchitis		J41
	Emphysema	492	J43
	Chronic airways obstruction	496	
	Other chronic obstructive pulmonary disease		J44
PERINATAL CONDITIONS	Disorders relating to short gestation and unspecified low birthweight	765	P07
	Respiratory distress syndrome	769	P22
	Congenital pneumonia		P23
	Neonatal aspiration syndromes		P24
	Interstitial emphysema and related conditions originating in the perinatal period		P25
	Pulmonary hemorrhage originating in the perinatal period		P26
	Chronic respiratory disease originating in the perinatal period		P27
	Other respiratory conditions originating in the perinatal period		P28
	Other respiratory conditions of fetus and newborn	770	
	Sudden infant death, cause unknown (SIDS)	798	R95

General Adverse Health Effect	Specific Adverse Health Effect*
RESPIRATORY EFFECTS	Reduction of lung function in infants (in utero due to maternal smoking during pregnancy) Impaired lung growth during childhood and adolescence (active smoking) Early onset lung function decline during late adolescence/early adulthood (active smoking) Respiratory symptoms: children/adolescents, e.g., cough, phlegm, wheeze, dyspnea (active smoking) Asthma-related symptoms in childhood and adolescence, e.g., wheezing (active smoking) Premature onset of and an accelerated age-related decline in lung function (adults) All major respiratory symptoms among adults, including coughing, phlegm, wheezing and dyspnea Poor asthma control (active smoking, adults)
REPRODUCTIVE EFFECTS	Sudden infant death syndrome (maternal smoking during and after pregnancy) Reduced fertility in women Fetal growth restriction and low birth weight Premature rupture of the membranes, placenta previa, and placenta abruption Preterm delivery and shortened gestation
OTHER EFFECTS	Nuclear cataract Diminished health status that may be manifest as increased absenteeism from work and increased use of medical care services Increased risks for adverse surgical outcomes related to wound healing and respiratory complications Hip fractures Low bone density (postmenopausal women) Peptic ulcer disease in persons who are <i>Helicobacter pylori</i> positive

Additions: Data from Recent Studies**

RISK FACTOR	Breast cancer Colorectal cancer Endometrial cancer Liver cancer Ovarian cancer Prostate cancer Ectopic pregnancy Altered arousal response in infants exposed to cigarette smoke Male infertility Gestational hypertension and preeclampsia (smoking before pregnancy) Periodontal disease Decreased plasma levels of antioxidant micronutrients Erectile dysfunction Cataracts Loss of bone mass and risk of fractures Peptic ulcer disease
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*Adverse health effects source: Table 1.1 of the Executive Summary

**Additions source: Appendix, pp. 905-910