

# Smoking-Attributable Mortality and Economic Costs in Minnesota

## Annual Number of Deaths Attributed to Smoking and Proportion of Total Cases by Age and Gender

Cause of Death	Total Cases	Males		Females	
		35-64	65+	35-64	65+
<b><i>Malignant Neoplasms</i></b>					
Lip, Oral Cavity, Pharynx	56	73%	68%	50%	42%
Esophagus	117	67%	69%	61%	53%
Pancreas	103	24%	16%	25%	21%
Larynx	44	81%	79%	75%	69%
Trachea, Lung, Bronchus	1,739	87%	85%	74%	67%
Cervix Uteri	2	--	--	12%	9%
Urinary Bladder	75	42%	43%	29%	26%
Kidney and Renal Pelvis	47	35%	34%	6%	4%
<b>Total Malignant Neoplasms</b>	<b>2,183</b>				
<b><i>Cardiovascular Diseases</i></b>					
Hypertension	64	21%	13%	14%	9%
Ischemic Heart Disease	933	35%	13%	30%	10%
Other Heart Disease	332	18%	15%	10%	8%
Cerebrovascular Disease	242	34%	7%	37%	5%
Atherosclerosis	30	28%	23%	13%	8%
Aortic Aneurysm	194	61%	60%	56%	47%
Other Arterial Disease	25	19%	9%	19%	13%
<b>Total Cardiovascular Diseases</b>	<b>1,820</b>				
<b><i>Respiratory Diseases</i></b>					
Pneumonia, Influenza	170	20%	20%	18%	12%
Bronchitis, Emphysema	169	87%	90%	81%	79%
Chronic Airways Obstruction	1,276	77%	79%	77%	73%
<b>Total Respiratory Disease</b>	<b>1,615</b>				
<b>Total Smoking-Attributable Mortality Cases</b>	<b>5,618</b>				



Commissioner's Office  
 85 E. Seventh Place, Suite 400  
 St. Paul, MN 55101  
 (651) 215-5800  
[www.health.state.mn.us](http://www.health.state.mn.us)

# Smoking-Attributable Morbidity, Mortality and Economic Costs – page 2

## Lost Productivity Costs Due to Smoking (in millions)

Cause of Death	Total
<b><i>Malignant Neoplasms</i></b>	
Lip, Oral Cavity, Pharynx	\$19
Esophagus	\$25
Pancreas	\$26
Larynx	\$11
Trachea, Lung, Bronchus	\$391
Cervix Uteri	\$1
Urinary Bladder	\$10
Kidney and Renal Pelvis	\$14
<b>Total Malignant Neoplasms</b>	<b>\$495</b>
<b><i>Cardiovascular Diseases</i></b>	
Hypertension	\$9
Ischemic Heart Disease	\$239
Other Heart Disease	\$41
Cerebrovascular Disease	\$59
Atherosclerosis	\$1
Aortic Aneurysm	\$22
Other Arterial Disease	\$2
<b>Total Cardiovascular Diseases</b>	<b>\$373</b>
<b><i>Respiratory Diseases</i></b>	
Pneumonia, Influenza	\$10
Bronchitis, Emphysema	\$19
Chronic Airways Obstruction	\$98
<b>Total Respiratory Disease</b>	<b>\$128</b>
<b>Total Smoking-Attributable Mortality Cases</b>	<b>\$996</b>

## Smoking-Attributable Expenditures (SAE), 1998 (in millions)

State	Ambulatory	Hospital	Prescription Drugs	Nursing Home	Other	Total
United States	\$27,182	\$17,140	\$6,364	\$19,383	\$5,419	<b>\$75,488</b>
Minnesota	\$679	\$296	\$105	\$434	\$97	<b>\$1,610</b>

## Total Economic Burden to Minnesota, Annually

Lost Productivity Costs Due to Smoking .....	<b>\$996 million</b>
Smoking-Attributable Expenditures.....	<b>\$1.61 billion</b>
	<b>\$2.6 billion</b>