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1999 Smoking Attributable Mortality Report

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1999 Smoking-Attributable Mortality Report

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Introduction

In 1999, fully 18.6% of all deaths to Florida residents were attributable to cigarette smoking. This remains unchanged from 1998, when we estimated 18.7% of all deaths were due to smoking. Using the Smoking-Attributable Mortality, Morbidity and Economic Costs (SAMMEC 3.0) software program developed by the Centers for Disease Control and Prevention as a model, Florida's smoking-attributable deaths were calculated based on the available smoking and mortality data. In 1999, there were 162,122 deaths to Florida residents from all causes including 79,669 (49.1%) among women and 82,446 (50.9%) among men. Smoking accounted for 30,181 (18.6%) of these deaths. Among males, smoking accounted for 18,685 deaths while among females, smoking accounted for 11,496. Thus, 61.9% of all smoking-attributable mortality occurs in men, while 38.1% of smoking-attributable deaths are among women.

The tables in this report display smoking-attributable mortality estimates by region or county and by age, sex, race and cause of death. This information can be used to document the burden of mortality attributable to cigarette smoking across different populations and geographic areas, and to target tobacco control efforts.

The first section of this report explains the methodology used to generate smoking-attributable mortality estimates. This is followed by a summary of the findings presented here and by tables and graphs describing the detailed findings.

Methodology

Smoking-Attributable Mortality, Morbidity, and Economic Costs (SAMMEC 3.0) software was developed by the Centers of Disease Control and Prevention, Office on Smoking and Health, to calculate measures of the disease impact of cigarette smoking for the United States and its subdivisions. The causal relationship between cigarette use and a wide range of poor health outcomes, including premature death, is well established. The SAMMEC calculation is based on these well established relationships and quantifies in a single measure the contribution of cigarette smoking to overall mortality.

Statewide smoking-attributable mortality estimates in this report are based on the smoking-attributable fraction, smoking-attributable mortality calculation and relative risk estimates provided in the SAMMEC 3.0 software. In addition, SAMMEC 3.0 was used as a model to calculate the disease impact of cigarette use for each county in Florida. Since SAMMEC 3.0 was designed primarily for use by states, using it for smaller populations such as counties would have been prohibitively labor intensive. Thus, a simplified streamlined process was implemented to generate county level estimates.

This county by county analysis required data from several different sources: the 1999 Florida population estimates provided by the Executive Office of the Governor, Office of Policy and Budgeting; mortality data from the Office of Vital Statistics; and smoking prevalence calculated from data obtained from the Behavioral Risk Factor Surveillance System. The following information was used:

Population Data

Population data for age groups under study.

Number of Deaths

Deaths from specific smoking-related causes by sex and 5 year age category for persons 35 years of age and older.

Smoking Prevalence

The proportion of persons 35-64 years and 65+ years who are current and former smokers.

Estimates of smoking prevalence were obtained from the 1999 Behavioral Risk Factor Surveillance System (BRFSS). In most calculations, prevalence estimates were calculated at the region level as the BRFSS does not permit calculations at the county level. Instead, counties were grouped into their respective regions following the former HRS District boundaries (see map on page 7). For each county, the smoking prevalence for the region it is in was used as the best estimate of its own value. For the race calculations, we used statewide estimates of prevalence of smoking specific to each race group.

The critical calculation taken from SAMMEC 3.0 is the smoking-attributable fraction (SAF) for each smoking-related cause of death. The SAF is the estimated proportion of deaths causally linked to cigarette smoking. Calculation of the SAF requires two measures: disease-specific relative risk estimates and smoking prevalence estimates. The relative risk is the ratio of the rates of illness or death for exposed persons to the rates for nonexposed persons. For a smoking-related cause of death, the relative risk is the ratio of the mortality rate for current or former smokers compared with that for never smokers.

$$\text{Relative risk} = \frac{\text{Mortality rate for current or former smokers}}{\text{Mortality rate for never smokers}}$$

The formula for calculating SAFs is derived from the attributable fraction formula. As defined in Foundations of Epidemiology by Lilienfield and Stolley, the attributable fraction is a measure of association that is influenced by the frequency of a characteristic, such as smoking, in a population.

$$\text{Attributable fraction} = \frac{P(RR-1)}{P(RR-1)+1}$$

P = prevalence of risk factor (e.g. current or former smoking)

RR = relative risk of death comparing the exposed to the nonexposed

Sex-specific relative risks for smoking-related diseases are provided in the SAMMEC software. These estimates were obtained from the American Cancer Society's Cancer Prevention Study II, 1989, and entered into SAMMEC by the CDC Office on Smoking and Health, 1996.

If the population under consideration is different from the one from which the relative risks were calculated, the SAF may be an overestimate or an underestimate of the true magnitude of disease burden. In addition, because smoking prevalence estimates are based on current (1999) data and not on data from 20-40 years ago, when smoking was more common and the smoking-related disease processes that result in current deaths likely began, it is likely that current estimates of SAM are underestimates of the true burden.

The following formula provided by SAMMEC is used to calculate the total SAF of mortality by sex for each cause of death for the population under study. This expanded formula for attributable risk accounts for different levels of exposure for current smokers and former smokers as indicated by separate prevalence estimates and relative risk estimates.

$$\text{Smoking-attributable fraction} = \frac{[p_0 + p_1(RR1) + p_2(RR2)] - 1}{[p_0 + p_1(RR1) + p_2(RR2)]}$$

Where:

p0 = prevalence of never smokers in population under study

p1 = prevalence of current smokers in population under study

p2 = prevalence of former smokers in population under study

RR1 = relative risk of death for current smokers compared with never smokers

RR2 = relative risk of death for former smokers compared with never smokers

The SAFs for each cause of death are multiplied by the number of deaths due to that cause to determine the cause-specific smoking-attributable mortality for each five-year age group. Number of deaths for each specified cause of death were supplied by the Office of Vital Statistics Death Records.

$$\text{Smoking-attributable mortality} = [\text{Number of deaths} \times \text{SAF}]$$

For example, the smoking-attributable fraction associated with lung cancer is 0.875 and the number of deaths caused by lung cancer for males aged 60-64 years is 1,200. The smoking-attributable mortality for lung cancer in males age 60-64 years is:

$$\text{Smoking-attributable mortality} = (1,200 \times 0.875) = 1,050$$

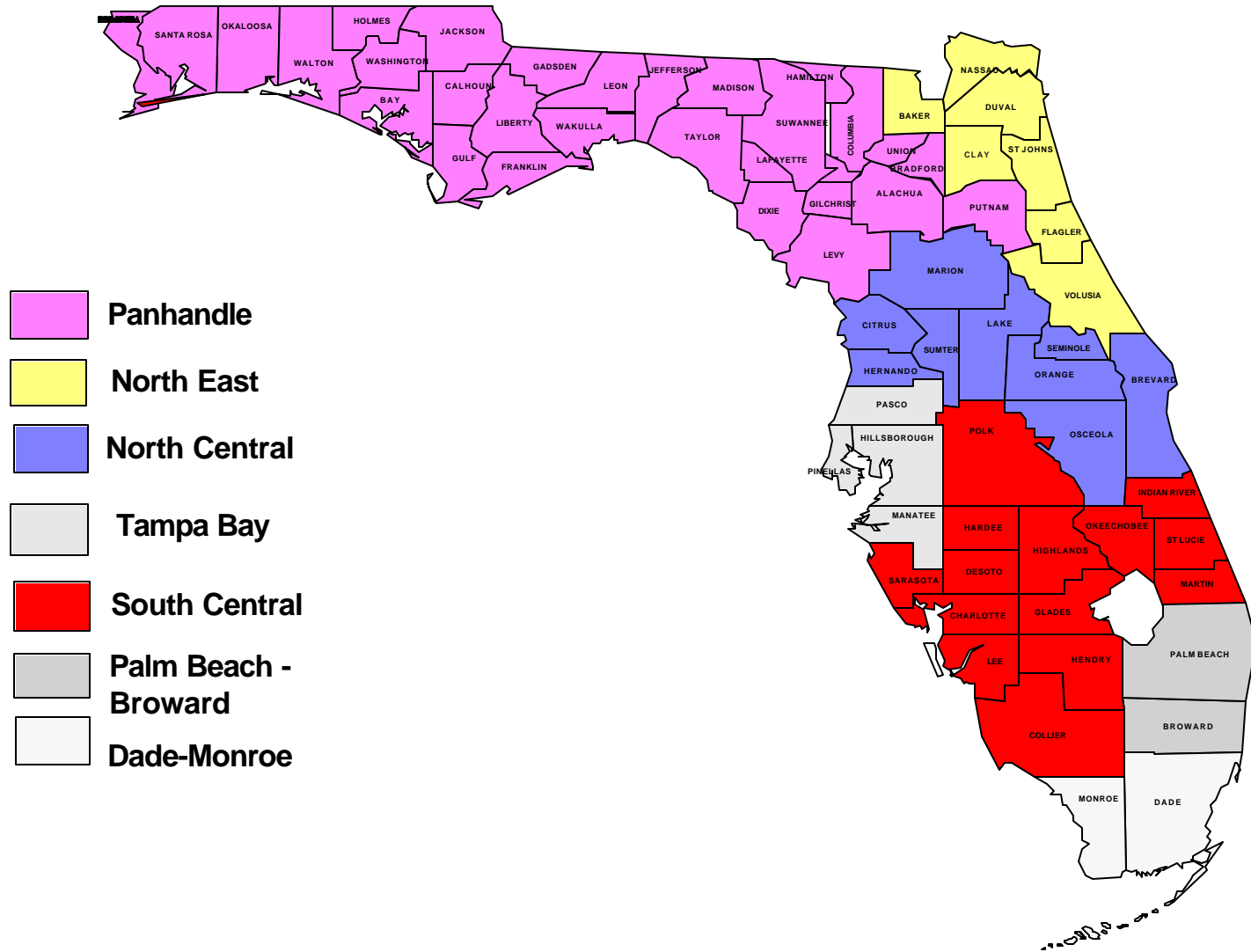
To calculate the rates of smoking-attributable deaths per 100,000 population, the total smoking-attributable deaths are divided by the total population and multiplied by 100,000. The SAM can be calculated at the county, region, or state level.

SAMMEC also provides a formula for deriving the years of potential life lost (YPLL) for each smoking-attributable death. This formula, based on the years of potential life remaining (YPLR), is the difference between age at death and the number of additional years a person who achieves that age can expect to live. The smoking-attributable YPLL is calculated as:

$$\text{Smoking-attributable YPLL} = [\text{Number of Deaths} \times \text{YPLR} \times \text{SAF}]$$

The YPLR varies by race and gender and the values used in this calculation are given in the Appendix. These values are from the 1999 Preliminary Final Abridged Life Expectancy table provided by the Florida Department of Health, Bureau of Planning, Evaluation and Data Analysis.

Regions, Florida, 1999



1999 Summary of Results

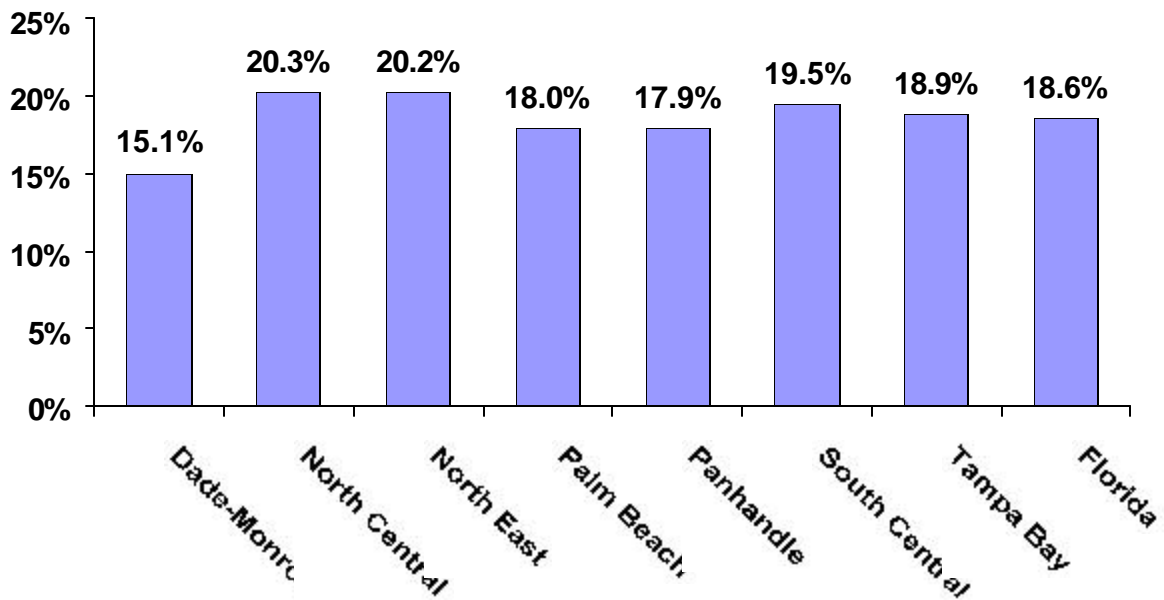
- In 1999, cigarette smoking accounted for 30,181 deaths among persons ages 35 and older (18.62% of total deaths).
- The smoking-attributable rate of deaths per 100,000 population aged 35 years and older was 348.7.
- Cigarette smoking accounted for:
 - 18,685 deaths, or 22.66% of deaths, among men aged 35 years and older.
 - 11,496 deaths, or 14.43% of deaths, among women aged 35 years and older.
 - 54% of total deaths among white males aged 35 years and older.
 - 39.3% of total deaths among white females aged 35 years and older.
 - 4.8% of total deaths among black males aged 35 years and older.
 - 1.9% of total deaths among black females aged 35 years and older.
- Of those causes of death that have been linked to cigarette use, smoking accounted for:
 - 16.4% of cardiovascular deaths,
 - 68.4% of cancer deaths and
 - 62.9% of respiratory deaths
- Among regions, the percent of all deaths that were attributable to smoking was highest in the Central Region of the state (20.3%), and lowest in the Dade-Monroe Region (15.0%).
- At the county level:
 - Baker County had the highest percentage of smoking-attributable deaths as a proportion of total deaths (23.20%), and Lafayette County had the lowest percentage (5.6%).
 - Citrus and Union Counties had highest smoking-attributable rate of deaths per 100,000 population aged 35 years, at 509.6 and 495.3, respectively.
 - Hamilton County had the lowest smoking-attributable rate of deaths per 100,000 population aged 35 years and older (90.2).

- The percentage of cardiovascular deaths that were attributable to smoking was highest in Duval County (19.5%), and lowest in Jefferson and Lafayette County, where no such deaths occurred.
 - The percentage of cancer deaths (neoplasms) that were smoking-attributable was highest in Union County (92.3%), and lowest in Lafayette County (50%).
 - In Glades, Lafayette and Liberty Counties, 100% of all respiratory deaths among those aged 35 years and older were attributable to smoking, while in Miami Dade County 50.8% of respiratory deaths were due to smoking.
 - Lafayette County had the highest number of years of potential life lost per smoking-attributable death (34.8), and Palm Beach County had the lowest (13.58).
- Years of potential life lost per smoking attributable death were highest for cancer deaths (14.02 years) and cardiovascular disease deaths (12.47 years), and lowest for respiratory disease deaths (10.75 years).

Smoking Attributable Deaths, Ages 35+, by Region, Florida 1999

<i>Region</i>	<i>Total Number of Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>
Dade-Monroe	19847	2988	15.1%
North Central	25185	5113	20.3%
North East	15896	3218	20.2%
Palm Beach	29277	5272	18.0%
Panhandle	15507	2777	17.9%
South Central	26968	5250	19.5%
Tampa Bay	29442	5563	18.9%
<i>Florida</i>	162122	30181	18.6%

Percent of all deaths attributable to cigarette use, by region, Florida 1999



Total Deaths and Smoking Attributable Deaths by Region, Race and Gender, Florida 1999

<i>Region/Gender</i>	<i>Race</i>	<i>Total Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent of Smoking Attributable Deaths</i>	<i>Percent of All Deaths</i>
Dade-Monroe					
Female	Black	1585	121	4.1	7.6
	White, Other	8302	1103	36.9	13.3
Male	Black	1820	259	8.7	14.2
	White, Other	8029	1505	50.4	18.7
North Central					
Female	Black	1040	85	1.7	8.2
	White, Other	10941	1967	38.5	18
Male	Black	1160	192	3.8	16.6
	White, Other	11873	2869	56.1	24.2
North East					
Female	Black	1185	107	3.3	9
	White, Other	6658	1230	38.2	18.5
Male	Black	1207	250	7.8	20.7
	White, Other	6754	1631	50.7	24.1
Palm Beach					
Female	Black	1299	95	1.8	7.3
	White, Other	13199	2224	42.2	16.8
Male	Black	1357	186	3.5	13.7
	White, Other	13261	2767	52.5	20.9
Panhandle					
Female	Black	1319	69	2.5	5.2
	White, Other	6291	999	36.0	15.9
Male	Black	1360	235	8.5	17.3
	White, Other	6456	1474	53.1	22.8
South Central					
Female	Black	746	33	.6	4.4
	White, Other	11995	2076	39.6	17.3
Male	Black	891	147	2.8	16.5
	White, Other	13256	2994	57.0	22.6
Tampa Bay					
Female	Black	979	69	1.2	7
	White, Other	13753	2256	40.6	16.4
Male	Black	1065	191	3.4	17.9
	White, Other	13534	3047	54.8	22.5
Florida					
Female	Black	8153	579	1.9	7.1
	White, Other	71139	16287	54.0	22.9
Male	Black	8860	1460	4.8	16.5
	White, Other	73163	11855	39.3	16.2

Smoking Attributable Deaths, Adults aged 35 and older, by County, Florida 1999

<i>County</i>	<i>Total Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>County</i>	<i>Total Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>
Alachua	1455	226	15.5%	Pinellas	12713	2311	18.2%
Baker	194	45	23.2%	Polk	5255	1045	19.9%
Bay	1376	304	22.1%	Putnam	890	151	17.0%
Bradford	255	41	16.1%	Santa Rosa	874	183	20.9%
Brevard	4944	1044	21.1%	Sarasota	4744	929	19.6%
Broward	16218	2937	18.1%	Seminole	2493	505	20.3%
Calhoun	131	22	16.8%	St. Johns	1077	210	19.5%
Charlotte	2073	401	19.3%	St. Lucie	2180	426	19.5%
Citrus	1866	417	22.4%	Sumter	534	111	20.8%
Clay	1045	225	21.5%	Suwannee	420	88	21.0%
Collier	2264	426	18.8%	Taylor	217	37	17.1%
Columbia	607	115	19.0%	Union	155	34	21.9%
Dade	19133	2871	15.0%	Volusia	5705	1192	20.9%
Desoto	302	57	18.9%	Wakulla	192	28	14.6%
Dixie	168	37	22.0%	Walton	414	93	22.5%
Duval	6736	1315	19.5%	Washington	199	29	14.6%
Escambia	2837	525	18.5%	STATEWIDE	162122	30178	18.6%
Flagler	622	124	19.9%				
Franklin	147	18	12.2%				
Gadsden	433	57	13.2%				
Gilchrist	137	24	17.6%				
Glades	98	19	19.4%				
Gulf	156	27	17.3%				
Hamilton	117	25	21.4%				
Hardee	199	30	15.1%				
Hendry	242	46	19.0%				
Hernando	2018	428	21.2%				
Highlands	1275	255	20.0%				
Hillsborough	8296	1603	19.3%				
Holmes	213	34	16.0%				
Indian River	1426	281	19.7%				
Jackson	507	88	17.4%				
Jefferson	145	14	9.7%				
Lafayette	53	3	5.7%				
Lake	2663	571	21.4%				
Lee	5017	982	19.6%				
Leon	1489	217	14.6%				
Levy	427	73	17.1%				
Liberty	61	10	16.4%				
Madison	204	28	13.7%				
Manatee	3284	646	19.7%				
Marion	3273	704	21.5%				
Martin	1531	279	18.2%				
Monroe	714	116	16.3%				
Nassau	517	107	20.7%				
Okaloosa	1228	246	20.0%				
Okeechobee	362	74	20.4%				
Orange	6107	1107	18.1%				
Osceola	1287	226	17.6%				
Palm Beach	13059	2333	17.9%				
Pasco	5149	1003	19.5%				

Smoking Attributable Deaths among women, aged 35 and older, by County, Florida 1999

<i>County</i>	<i>Total Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>County</i>	<i>Total Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>
Alachua	760	90	11.8	Sarasota	2319	379	16.3
Baker	85	15	17.7	Seminole	1269	215	16.9
Bay	646	101	15.6	St. Johns	543	80	14.7
Bradford	139	16	11.5	St. Lucie	981	150	15.3
Brevard	2349	406	17.3	Sumter	243	41	16.9
Broward	8165	1270	15.6	Suwannee	219	33	15.1
Calhoun	75	10	13.3	Taylor	114	12	10.5
Charlotte	1001	171	17.1	Union	47	5	10.6
Citrus	877	152	17.3	Volusia	2799	451	16.1
Clay	508	94	18.5	Wakulla	95	11	11.6
Collier	1053	160	15.2	Walton	199	34	17.1
Columbia	280	47	16.8	Washington	88	8	9.1
Dade	9644	908	9.4	STATEWIDE	79669	11496	14.4
Desoto	133	20	15.0				
Dixie	63	15	23.8				
Duval	3416	525	15.4				
Escambia	1455	191	13.1				
Flagler	296	46	15.5				
Franklin	75	4	5.3				
Gadsden	197	19	9.6				
Gilchrist	70	8	11.4				
Glades	41	7	17.1				
Gulf	78	11	14.1				
Hamilton	42	7	16.7				
Hardee	93	11	11.8				
Hendry	104	15	14.4				
Hernando	917	146	15.9				
Highlands	608	96	15.8				
Hillsborough	4130	580	14.0				
Holmes	101	12	11.9				
Indian River	710	118	16.6				
Jackson	258	29	11.2				
Jefferson	75	4	5.3				
Lafayette	25	2	8.0				
Lake	1272	210	16.5				
Lee	2344	378	16.1				
Leon	755	76	10.1				
Levy	202	27	13.4				
Liberty	25	3	12.0				
Madison	103	9	8.7				
Manatee	1649	250	15.2				
Marion	1482	241	16.3				
Martin	740	111	15.0				
Monroe	293	36	12.3				
Nassau	232	35	15.1				
Okaloosa	624	96	15.4				
Okeechobee	173	27	15.6				
Orange	3007	413	13.7				
Osceola	654	93	14.2				
Palm Beach	6406	988	15.4				
Pasco	2446	367	15.0				
Pinellas	6562	876	13.4				
Polk	2483	403	16.2				
Putnam	410	60	14.6				
Santa Rosa	422	72	17.1				

Smoking Attributable Deaths among men, aged 35 and older, by County, Florida 1999

<i>County</i>	<i>Total Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>County</i>	<i>Total Deaths</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>
Alachua	695	136	19.57	Sarasota	2425	550	22.68
Baker	109	30	27.52	Seminole	1224	290	23.69
Bay	730	203	27.81	St. Johns	534	130	24.34
Bradford	116	25	21.55	St. Lucie	1199	276	23.02
Brevard	2595	638	24.59	Sumter	291	70	24.05
Broward	8052	1667	20.70	Suwanee	201	55	27.36
Calhoun	56	12	21.43	Taylor	103	25	24.27
Charlotte	1072	230	21.46	Union	108	29	26.85
Citrus	989	265	26.79	Volusia	2906	741	25.50
Clay	537	131	24.39	Wakulla	97	17	17.53
Collier	1211	266	21.97	Walton	215	59	27.44
Columbia	327	68	20.80	Washington	111	21	18.92
Dade	9487	1963	20.69	STATEWIDE	82446	18682	22.66
Desoto	169	37	21.89				
Dixie	105	22	20.95				
Duval	3320	790	23.80				
Escambia	1382	334	24.17				
Flagler	326	78	23.93				
Franklin	72	14	19.44				
Gadsden	235	38	16.17				
Gilchrist	67	16	23.88				
Glades	56	12	21.43				
Gulf	78	15	20.51				
Hamilton	75	18	24.00				
Hardee	106	19	17.92				
Hendry	138	31	22.46				
Hernando	1101	282	25.61				
Highlands	667	159	23.84				
Hillsborough	4165	1023	24.56				
Holmes	112	22	19.64				
Indian River	716	163	22.77				
Jackson	249	59	23.69				
Jefferson	70	10	14.29				
Lafayette	28	1	3.57				
Lake	1391	361	25.95				
Lee	2673	604	22.60				
Leon	733	141	19.24				
Levy	225	46	20.44				
Liberty	36	7	19.44				
Madison	101	19	18.81				
Manatee	1635	396	24.22				
Marion	1791	463	25.85				
Martin	791	168	21.24				
Monroe	421	80	19.00				
Nassau	285	72	25.26				
Okaloosa	604	150	24.83				
Okeechobee	189	47	24.87				
Orange	3100	694	22.39				
Osceola	633	133	21.01				
Palm Beach	6653	1345	20.22				
Pasco	2703	636	23.53				
Pinellas	6151	1435	23.33				
Polk	2772	642	23.16				
Putnam	480	91	18.96				
Santa Rosa	452	111	24.56				

Smoking Attributable Deaths, Ages 35+, by County, Race and Gender, Florida 1999

County/Gender	Race	Smoking Attributable Deaths	County/Gender	Race	Smoking Attributable Deaths
Alachua			Clay		
Female	Black	6	Female	Black	0
Female	White, Other	86	Female	White, Other	100
Male	Black	28	Male	Black	3
Male	White, Other	106	Male	White, Other	122
	Total	226		Total	225
Baker			Collier		
Female	Black	1	Female	Black	1
Female	White, Other	15	Female	White, Other	166
Male	Black	3	Male	Black	3
Male	White, Other	26	Male	White, Other	256
	Total	45		Total	426
Bay			Columbia		
Female	Black	5	Female	Black	1
Female	White, Other	104	Female	White, Other	48
Male	Black	14	Male	Black	7
Male	White, Other	181	Male	White, Other	59
	Total	304		Total	115
Bradford			Dade		
Female	Black	0	Female	Black	117
Female	White, Other	17	Female	White, Other	1061
Male	Black	3	Male	Black	254
Male	White, Other	21	Male	White, Other	1438
	Total	41		Total	2871
Brevard			Desoto		
Female	Black	10	Female	Black	1
Female	White, Other	424	Female	White, Other	21
Male	Black	27	Male	Black	2
Male	White, Other	582	Male	White, Other	33
	Total	1044		Total	57
Broward			Dixie		
Female	Black	57	Female	Black	0
Female	White, Other	1246	Female	White, Other	15
Male	Black	109	Male	Black	1
Male	White, Other	1526	Male	White, Other	21
	Total	2937		Total	37
Calhoun			Duval		
Female	Black	0	Female	Black	82
Female	White, Other	11	Female	White, Other	470
Male	Black	0	Male	Black	180
Male	White, Other	11	Male	White, Other	583
	Total	22		Total	1315
Charlotte			Escambia		
Female	Black	2	Female	Black	22
Female	White, Other	175	Female	White, Other	179
Male	Black	4	Male	Black	62
Male	White, Other	220	Male	White, Other	262
	Total	401		Total	525
Citrus			Flagler		
Female	Black	0	Female	Black	2
Female	White, Other	163	Female	White, Other	49
Male	Black	2	Male	Black	10
Male	White, Other	252	Male	White, Other	63
	Total	417		Total	124

County/Gender	Race	Smoking Attributable Deaths	County/Gender	Race	Smoking Attributable Deaths
Franklin			Hillsborough		
Female	Black	0	Female	Black	35
Female	White, Other	4	Female	White, Other	614
Male	Black	0	Male	Black	116
Male	White, Other	14	Male	White, Other	837
	Total	18		Total	1603
Gadsden			Holmes		
Female	Black	4	Female	Black	0
Female	White, Other	12	Female	White, Other	14
Male	Black	19	Male	Black	0
Male	White, Other	21	Male	White, Other	20
	Total	57		Total	34
Gilchrist			Indian River		
Female	Black	0	Female	Black	3
Female	White, Other	8	Female	White, Other	120
Male	Black	1	Male	Black	6
Male	White, Other	15	Male	White, Other	152
	Total	24		Total	281
Glades			Jackson		
Female	Black	0	Female	Black	1
Female	White, Other	7	Female	White, Other	31
Male	Black	1	Male	Black	15
Male	White, Other	11	Male	White, Other	41
	Total	19		Total	88
Gulf			Jefferson		
Female	Black	2	Female	Black	0
Female	White, Other	10	Female	White, Other	5
Male	Black	2	Male	Black	5
Male	White, Other	14	Male	White, Other	4
	Total	27		Total	14
Hamilton			Lafayette		
Female	Black	2	Female	Black	0
Female	White, Other	5	Female	White, Other	2
Male	Black	5	Male	Black	0
Male	White, Other	13	Male	White, Other	1
	Total	25		Total	3
Hardee			Lake		
Female	Black	0	Female	Black	9
Female	White, Other	11	Female	White, Other	218
Male	Black	1	Male	Black	14
Male	White, Other	19	Male	White, Other	329
	Total	30		Total	571
Hendry			Lee		
Female	Black	0	Female	Black	4
Female	White, Other	15	Female	White, Other	383
Male	Black	3	Male	Black	17
Male	White, Other	28	Male	White, Other	578
	Total	46		Total	982
Hernando			Leon		
Female	Black	2	Female	Black	12
Female	White, Other	159	Female	White, Other	70
Male	Black	4	Male	Black	21
Male	White, Other	264	Male	White, Other	114
	Total	428		Total	217
Highlands			Levy		
Female	Black	0	Female	Black	2
Female	White, Other	100	Female	White, Other	29
Male	Black	13	Male	Black	1
Male	White, Other	142	Male	White, Other	42
	Total	255		Total	73

County/Gender	Race	Smoking Attributable Deaths	County/Gender	Race	Smoking Attributable Deaths
Liberty			Osceola		
Female	Black	0	Female	Black	3
Female	White, Other	3	Female	White, Other	99
Male	Black	0	Male	Black	4
Male	White, Other	7	Male	White, Other	120
	Total	10		Total	226
Madison			Palm Beach		
Female	Black	1	Female	Black	38
Female	White, Other	8	Female	White, Other	978
Male	Black	7	Male	Black	78
Male	White, Other	13	Male	White, Other	1239
	Total	28		Total	2333
Manatee			Pasco		
Female	Black	6	Female	Black	3
Female	White, Other	273	Female	White, Other	405
Male	Black	6	Male	Black	5
Male	White, Other	361	Male	White, Other	590
	Total	646		Total	1003
Marion			Pinellas		
Female	Black	11	Female	Black	25
Female	White, Other	245	Female	White, Other	963
Male	Black	26	Male	Black	63
Male	White, Other	422	Male	White, Other	1260
	Total	704		Total	2311
Martin			Polk		
Female	Black	1	Female	Black	14
Female	White, Other	115	Female	White, Other	398
Male	Black	3	Male	Black	54
Male	White, Other	160	Male	White, Other	579
	Total	279		Total	1045
Monroe			Putnam		
Female	Black	4	Female	Black	4
Female	White, Other	41	Female	White, Other	58
Male	Black	5	Male	Black	13
Male	White, Other	66	Male	White, Other	77
	Total	116		Total	151
Nassau			Santa Rosa		
Female	Black	2	Female	Black	2
Female	White, Other	37	Female	White, Other	74
Male	Black	5	Male	Black	3
Male	White, Other	63	Male	White, Other	104
	Total	107		Total	183
Okaloosa			Sarasota		
Female	Black	3	Female	Black	5
Female	White, Other	97	Female	White, Other	384
Male	Black	7	Male	Black	15
Male	White, Other	140	Male	White, Other	525
	Total	246		Total	929
Okeechobee			Seminole		
Female	Black	0	Female	Black	10
Female	White, Other	27	Female	White, Other	216
Male	Black	1	Male	Black	18
Male	White, Other	46	Male	White, Other	261
	Total	74		Total	505
Orange			St. Johns		
Female	Black	38	Female	Black	2
Female	White, Other	398	Female	White, Other	84
Male	Black	95	Male	Black	9
Male	White, Other	575	Male	White, Other	116
	Total	1107		Total	210

County/Gender	Race	Smoking Attributable Deaths
St. Lucie		
Female	Black	4
Female	White, Other	154
Male	Black	25
Male	White, Other	244
	Total	426
Sumter		
Female	Black	1
Female	White, Other	44
Male	Black	2
Male	White, Other	65
	Total	111
Suwannee		
Female	Black	0
Female	White, Other	38
Male	Black	5
Male	White, Other	45
	Total	88
Taylor		
Female	Black	3
Female	White, Other	10
Male	Black	5
Male	White, Other	19
	Total	37
Union		
Female	Black	0
Female	White, Other	6
Male	Black	7
Male	White, Other	21
	Total	34
Volusia		
Female	Black	18
Female	White, Other	475
Male	Black	39
Male	White, Other	659
	Total	1192
Wakulla		
Female	Black	0
Female	White, Other	12
Male	Black	3
Male	White, Other	14
	Total	28
Walton		
Female	Black	0
Female	White, Other	35
Male	Black	0
Male	White, Other	58
	Total	93
Washington		
Female	Black	0
Female	White, Other	8
Male	Black	2
Male	White, Other	19
	Total	29
Statewide	Grand Total	30178

Smoking Attributable Cardiovascular Disease Deaths, Aged 35 and older, by County, Florida 1999*

<i>County</i>	<i>Total number of deaths due to Cardiovascular Disease</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>County</i>	<i>Total number of deaths due to Cardiovascular Disease</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>
Alachua	444	56	12.6	Sarasota	1994	310	15.6
Baker	62	8	12.9	Seminole	994	172	17.3
Bay	528	83	15.7	St. Johns	327	46	14.1
Bradford	82	7	8.5	St. Lucie	927	144	15.5
Brevard	2003	356	17.8	Sumter	248	33	13.3
Broward	6982	1198	17.2	Suwannee	203	29	14.3
Calhoun	59	4	6.8	Taylor	82	5	6.1
Charlotte	841	123	14.6	Union	38	4	10.5
Citrus	765	133	17.4	Volusia	2371	451	19.0
Clay	411	77	18.7	Wakulla	71	2	2.8
Collier	909	141	15.5	Walton	162	18	11.1
Columbia	222	23	10.4	Washington	84	7	8.3
Dade	7913	1213	15.3	STATEWIDE	65305	10723	16.4
Desoto	114	12	10.5				
Dixie	51	3	5.9				
Duval	2436	476	19.5				
*Escambia	1122	177	15.8				
Flagler	221	27	12.2				
Franklin	51	1	2.0				
Gadsden	146	11	7.5				
Gilchrist	54	2	3.7				
Glades	35	1	2.9				
Gulf	57	5	8.8				
Hamilton	48	1	2.1				
Hardee	82	8	9.8				
Hendry	95	12	12.6				
Hernando	806	128	15.9				
Highlands	538	80	14.9				
Hillsborough	3135	573	18.3				
Holmes	89	10	11.2				
Indian River	647	87	13.5				
Jackson	214	26	12.2				
Jefferson	63	0	0.00				
Lafayette	24	0	0.00				
Lake	1125	191	17.0				
Lee	2070	334	16.1				
Leon	501	63	12.6				
Levy	158	15	9.5				
Liberty	22	1	4.6				
Madison	84	7	8.3				
Manatee	1421	233	16.4				
Marion	1284	229	17.8				
Martin	671	92	13.7				
Monroe	227	30	13.2				
Nassau	180	23	12.8				
Okaloosa	472	73	15.5				
Okeechobee	151	22	14.6				
Orange	2260	410	18.1				
Osceola	524	91	17.4				
Palm Beach	5810	986	17.0				
Pasco	2047	363	17.7				
Pinellas	4654	803	17.3				
Polk	2252	378	16.8				
Putnam	322	39	12.1				
Santa Rosa	320	57	17.8				

*Includes only those cardiovascular deaths shown to be linked to cigarette use.

Smoking Attributable Neoplasm Deaths, Aged 35 and older, by County, Florida 1999*

<i>County</i>	<i>Total number of deaths due to Neoplasms</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>County</i>	<i>Total number of deaths due to Neoplasms</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>
Alachua	136	92	67.7	Sarasota	548	376	68.6
Baker	31	23	74.2	Seminole	291	195	67.0
Bay	190	135	71.1	St. Johns	124	89	71.8
Bradford	30	17	56.7	St. Lucie	242	166	68.6
Brevard	590	423	71.7	Sumter	74	53	71.6
Broward	1590	1052	66.2	Suwannee	38	29	76.3
Calhoun	8	6	75.0	Taylor	20	16	80.0
Charlotte	260	171	65.8	Union	26	24	92.3
Citrus	225	164	72.9	Volusia	582	418	71.8
Clay	110	82	74.6	Wakulla	17	13	76.5
Collier	251	176	70.1	Walton	55	44	80.0
Columbia	77	52	67.5	Washington	18	13	72.2
Dade	1528	986	64.5	STATEWIDE	17049	11671	68.5
Desoto	38	27	71.1				
Dixie	21	17	81.0				
Duval	704	487	69.2				
Escambia	310	213	68.7				
Flagler	86	59	68.6				
Franklin	16	13	81.3				
Gadsden	41	32	78.1				
Gilchrist	15	10	66.7				
Glades	16	13	81.3				
Gulf	18	14	77.8				
Hamilton	18	15	83.3				
Hardee	24	14	58.3				
Hendry	27	20	74.1				
Hernando	276	195	70.7				
Highlands	148	107	72.3				
Hillsborough	868	591	68.1				
Holmes	15	9	60.0				
Indian River	184	125	67.9				
Jackson	47	37	78.7				
Jefferson	13	9	69.2				
Lafayette	2	1	50.0				
Lake	328	235	71.7				
Lee	589	409	69.4				
Leon	144	99	68.8				
Levy	43	31	72.1				
Liberty	3	2	66.7				
Madison	18	13	72.2				
Manatee	376	253	67.3				
Marion	417	285	68.4				
Martin	191	127	66.5				
Monroe	83	54	65.1				
Nassau	60	44	73.3				
Okaloosa	162	110	67.9				
Okeechobee	35	27	77.1				
Orange	602	422	70.1				
Osceola	113	71	62.8				
Palm Beach	1318	860	65.3				
Pasco	559	381	68.2				
Pinellas	1274	882	69.2				
Polk	593	410	69.1				
Putnam	84	63	75.0				
Santa Rosa	109	70	64.2				

*Includes only those neoplasm deaths shown to be linked to cigarette use.

Smoking Attributable Respiratory Disease Deaths, Aged 35 and older, by County, Florida 1999*

<i>County</i>	<i>Total number of deaths due to Respiratory Diseases</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>County</i>	<i>Total number of deaths due to Respiratory Diseases</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>
Alachua	121	78	64.5	Sarasota	397	243	61.2
Baker	18	14	77.8	Seminole	217	138	63.6
Bay	136	86	63.2	St. Johns	112	75	67.0
Bradford	28	17	60.7	St. Lucie	166	116	69.9
Brevard	405	265	65.4	Sumter	37	25	67.6
Broward	1084	687	63.4	Suwannee	43	30	69.8
Calhoun	13	12	92.3	Taylor	18	16	88.9
Charlotte	200	107	53.5	Union	9	6	66.7
Citrus	179	120	67.0	Volusia	489	323	66.1
Clay	92	66	71.7	Wakulla	16	13	81.3
Collier	160	109	68.1	Walton	41	31	75.6
Columbia	62	40	64.5	Washington	13	9	69.2
Dade	1322	672	50.8	STATEWIDE	12373	7784	62.9
Desoto	28	18	64.3				
Dixie	20	17	85.0				
Duval	547	352	64.4				
Escambia	213	135	63.4				
Flagler	50	38	76.0				
Franklin	7	4	57.1				
Gadsden	23	14	60.9				
Gilchrist	15	12	80.0				
Glades	6	5	83.3				
Gulf	8	8	100.0				
Hamilton	10	9	90.0				
Hardee	12	8	66.7				
Hendry	20	14	70.0				
Hernando	161	105	65.2				
Highlands	113	68	60.2				
Hillsborough	670	439	65.5				
Holmes	22	15	68.2				
Indian River	114	69	60.5				
Jackson	35	25	71.4				
Jefferson	7	5	71.4				
Lafayette	2	2	100.0				
Lake	222	145	65.3				
Lee	375	239	63.7				
Leon	89	55	61.8				
Levy	38	27	71.1				
Liberty	7	7	100.0				
Madison	14	8	57.1				
Manatee	246	160	65.0				
Marion	284	190	66.9				
Martin	84	60	71.4				
Monroe	49	32	65.3				
Nassau	59	40	67.8				
Okaloosa	105	63	60.0				
Okeechobee	41	25	61.0				
Orange	464	275	59.3				
Osceola	104	64	61.5				
Palm Beach	775	487	62.8				
Pasco	401	259	64.6				
Pinellas	981	626	63.8				
Polk	410	257	62.7				
Putnam	78	49	62.8				
Santa Rosa	86	56	65.1				

*Includes only those respiratory deaths shown to be linked to cigarette use.

Smoking Attributable Deaths, Aged 35 and older, by Region, Cause, Race and Gender, Florida 1999

Region/Cause	<i>Gender/Race</i>	<i>Smoking Attributable Deaths</i>
Dade – Monroe Cardiovascular Disease	Female Black	62
	Female White, Other	481
	Male Black	112
	Male White, Other	587
	Total	1243
Neoplasms	Female Black	33
	Female White, Other	313
	Male Black	113
	Male White, Other	581
	Total	1040
Respiratory Diseases	Female Black	23
	Female White, Other	301
	Male Black	36
	Male White, Other	344
	Total	704
	Region Total	2987
North Central Cardiovascular Disease	Female Black	30
	Female White, Other	668
	Male Black	57
	Male White, Other	987
	Total	1743
Neoplasms	Female Black	37
	Female White, Other	678
	Male Black	92
	Male White, Other	1236
	Total	2043
Respiratory Diseases	Female Black	18
	Female White, Other	622
	Male Black	42
	Male White, Other	646
	Total	1327
	Region Total	5113
North East Cardiovascular Disease	Female Black	48
	Female White, Other	416
	Male Black	80
	Male White, Other	564
	Total	1108
Neoplasms	Female Black	37
	Female White, Other	408
	Male Black	109
	Male White, Other	649
	Total	1202
Respiratory Diseases	Female Black	21
	Female White, Other	408
	Male Black	59
	Male White, Other	420
	Total	908
	Region Total	3218
Palm Beach Cardiovascular Disease	Female Black	56
	Female White, Other	891
	Male Black	74
	Male White, Other	1163
	Total	2184

Region/Cause	Gender/Race	Smoking Attributable Deaths
<i>Palm Beach cont.</i> <i>Neoplasms</i>	Female Black	25
	Female White, Other	749
	Male Black	80
	Male White, Other	1059
	<i>Total</i>	<i>1912</i>
Respiratory Diseases	Female Black	12
	Female White, Other	590
	Male Black	33
	Male White, Other	540
	<i>Total</i>	<i>1174</i>
	<i>Region Total</i>	<i>5270</i>
<i>Panhandle</i> <i>Cardiovascular Disease</i>	Female Black	18
	Female White, Other	278
	Male Black	44
	Male White, Other	388
	<i>Total</i>	<i>729</i>
<i>Neoplasms</i>	Female Black	38
	Female White, Other	345
	Male Black	140
	Male White, Other	675
	<i>Total</i>	<i>1199</i>
<i>Respiratory Diseases</i>	Female Black	12
	Female White, Other	376
	Male Black	52
	Male White, Other	409
	<i>Total</i>	<i>849</i>
	<i>Region Total</i>	<i>2777</i>
<i>South Central</i> <i>Cardiovascular Diseases</i>	Female Black	11
	Female White, Other	679
	Male Black	35
	Male White, Other	1019
	<i>Total</i>	<i>1744</i>
<i>Neoplasms</i>	Female Black	18
	Female White, Other	761
	Male Black	82
	Male White, Other	1307
	<i>Total</i>	<i>2168</i>
<i>Respiratory Diseases</i>	Female Black	4
	Female White, Other	640
	Male Black	31
	Male White, Other	663
	<i>Total</i>	<i>1338</i>
	<i>Region Total</i>	<i>5250</i>
<i>Tampa Bay</i> <i>Cardiovascular Disease</i>	Female Black	29
	Female White, Other	776
	Male Black	66
	Male White, Other	1101
	<i>Total</i>	<i>1972</i>
<i>Neoplasms</i>	Female Black	24
	Female White, Other	743
	Male Black	86
	Male White, Other	1253
	<i>Total</i>	<i>2107</i>
<i>Respiratory Diseases</i>	Female Black	15
	Female White, Other	740
	Male Black	38
	Male White, Other	692
	<i>Total</i>	<i>1484</i>
	<i>Region Total</i>	<i>5563</i>

***Total Number and Percent, and Rate per 100,000, of
Smoking Attributable Deaths, Aged 35 and older, by
County, Florida 1999***

<i>County</i>	<i>All Deaths</i>	<i>Population Aged 35 and older</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>Smoking Attributable Deaths Per 100,000 Population</i>
Alachua	1455	87140	226	15.5	259.4
Baker	194	10044	45	23.2	448.0
Bay	1376	78804	304	22.1	385.8
Bradford	255	13047	41	16.1	314.2
Brevard	4944	275832	1044	21.1	378.5
Broward	16218	866169	2937	18.1	339.1
Calhoun	131	7358	22	16.8	299.0
Charlotte	2073	96021	401	19.3	417.6
Citrus	1866	81821	417	22.4	509.6
Clay	1045	70541	225	21.5	319.0
Collier	2264	138673	426	18.8	307.2
Columbia	607	29050	115	19.1	395.9
Dade	19133	1100473	2871	15.0	260.9
Desoto	302	15700	57	18.9	363.1
Dixie	168	7619	37	22.0	485.6
Duval	6736	365425	1315	19.5	359.9
Escambia	2837	147268	525	18.5	356.5
Flagler	622	31706	124	19.9	391.1
Franklin	147	7053	18	12.2	255.2
Gadsden	433	24567	57	13.2	232.0
Gilchrist	137	6600	24	17.5	363.6
Glades	98	5694	19	19.4	333.7
Gulf	156	7683	27	17.3	351.4
Hamilton	117	6826	25	21.4	366.2
Hardee	199	10738	30	15.1	279.4
Hendry	242	13448	46	19.0	342.1
Hernando	2018	87487	428	21.2	489.2
Highlands	1275	56273	255	20.0	453.1
Hillsborough	8296	504182	1603	19.3	317.9
Holmes	213	10140	34	16.0	335.3
Indian River	1426	70903	281	19.7	396.3
Jackson	507	25443	88	17.4	345.9
Jefferson	145	7562	14	9.7	185.1
Lafayette	53	3326	3	5.7	90.2
Lake	2663	134985	571	21.4	423.0
Lee	5017	266360	982	19.6	368.7
Leon	1489	101460	217	14.6	213.9
Levy	427	20099	73	17.1	363.2
Liberty	61	4085	10	16.4	244.8

<i>County</i>	<i>All Deaths</i>	<i>Population Aged 35 and older</i>	<i>Smoking Attributable Deaths</i>	<i>Percent</i>	<i>Smoking Attributable Deaths Per 100,000 Population</i>
Madison	204	9299	28	13.7	301.1
Manatee	3284	162027	646	19.7	398.7
Marion	3273	155688	704	21.5	452.2
Martin	1531	79899	279	18.2	349.2
Monroe	714	53093	116	16.3	218.5
Nassau	517	30296	107	20.7	353.2
Okaloosa	1228	88051	246	20.0	279.4
Okeechobee	362	19316	74	20.4	383.1
Orange	6107	407954	1107	18.1	271.4
Osceola	1287	83759	226	17.6	269.8
Palm Beach	13059	642310	2333	17.9	363.2
Pasco	5149	218212	1003	19.5	459.6
Pinellas	12713	573882	2311	18.2	402.7
Polk	5255	270779	1045	19.9	385.9
Putnam	890	41649	151	17.0	362.6
St. Johns	1077	67579	210	19.5	310.7
St. Lucie	2180	112183	426	19.5	379.7
Santa Rosa	874	57690	183	20.9	317.2
Sarasota	4744	226559	929	19.6	410.0
Seminole	2493	186463	505	20.3	270.8
Sumter	534	29984	111	20.8	370.2
Suwannee	420	19550	88	21.0	450.1
Taylor	217	9817	37	17.1	376.9
Union	155	6864	34	21.9	495.3
Volusia	5705	257593	1192	20.9	462.7
Wakulla	192	11042	28	14.6	253.6
Walton	414	24027	93	22.5	387.1
Washington	199	11569	29	14.6	250.7
STATEWIDE	162122	8654739	30178	18.6	348.7

Smoking Attributable Years of Potential Life Lost, by County, Florida 1999

<i>County</i>	<i>Smoking Attributable Deaths</i>	<i>Smoking Attributable Years of Potential Life Lost</i>	<i>Years of Potential Life Lost per Smoking Attributable Death</i>
Alachua	226	3549	15.7
Baker	45	789	17.5
Bay	304	4928	16.2
Bradford	41	767	18.7
Brevard	1044	15720	15.1
Broward	2937	40580	13.8
Calhoun	22	327	14.9
Charlotte	401	5264	13.1
Citrus	417	5994	14.4
Clay	225	3881	17.3
Collier	426	5873	13.8
Columbia	115	1842	16.0
Dade	2871	43173	15.0
Desoto	57	862	15.1
Dixie	37	629	17.0
Duval	1315	22242	16.9
Escambia	525	8400	16.0
Flagler	124	1908	15.4
Franklin	18	329	18.3
Gadsden	57	998	17.5
Gilchrist	24	333	13.9
Glades	19	310	16.3
Gulf	27	487	18.0
Hamilton	25	395	15.8
Hardee	30	547	18.2
Hendry	46	796	17.3
Hernando	428	5912	13.8
Highlands	255	3490	13.7
Hillsborough	1603	25462	15.9
Holmes	34	489	14.4
Indian River	281	3863	13.8
Jackson	88	1517	17.2
Jefferson	14	190	13.6
Lafayette	3	37	12.4
Lake	571	8109	14.2
Lee	982	13930	14.2
Leon	217	3391	15.6
Levy	73	1199	16.4
Liberty	10	152	15.2
Madison	28	450	16.1
Manatee	646	8965	13.9
Marion	704	10732	15.2
Martin	279	3602	12.9
Monroe	116	1924	16.6
Nassau	107	1861	17.4

<i>County</i>	<i>Smoking Attributable Deaths</i>	<i>Smoking Attributable Years of Potential Life Lost</i>	<i>Years of Potential Life Lost per Smoking Attributable Death</i>
Okaloosa	246	4028	16.4
Okeechobee	74	1191	16.1
Orange	1107	17504	15.8
Osceola	226	3439	15.2
Palm Beach	2333	30942	13.3
Pasco	1003	14184	14.1
Pinellas	2311	32920	14.3
Polk	1045	15987	15.3
Putnam	151	2273	15.1
Santa Rosa	183	3162	17.3
Sarasota	929	12417	13.4
Seminole	505	7854	15.6
St. Johns	210	2977	14.2
St. Lucie	426	6246	14.7
Sumter	111	1727	15.6
Suwannee	88	1437	16.3
Taylor	37	579	15.7
Union	34	798	23.5
Volusia	1192	17279	14.5
Wakulla	28	481	17.2
Walton	93	1531	16.5
Washington	29	51	17.3
TOTAL	30178	445651	14.8

Smoking Attributable Years of Potential Life Lost, by Cause, Florida 1999

<i>Cause</i>	<i>County</i>	<i>Smoking Attributable Deaths</i>	<i>Smoking Attributable Years of Potential Life Lost</i>	<i>Years of Potential Life per Smoking Attributable Death</i>
Cardiovascular Disease	Alachua	56	830.60	14.83
	Baker	8	117.50	14.69
	Bay	83	1363.80	16.43
	Bradford	7	110.20	15.74
	Brevard	356	5187.90	14.57
	Broward	1198	15441.10	12.89
	Calhoun	4	67.00	16.75
	Charlotte	123	1441.40	11.72
	Citrus	133	1785.50	13.42
	Clay	77	1328.30	17.25
	Collier	141	1734.90	12.30
	Columbia	23	316.60	13.77
	Dade	1213	18189.20	15.00
	Desoto	12	165.60	13.80
	Dixie	3	54.00	18.00
	Duval	476	8184.60	17.19
	Escambia	177	2945.90	16.64
	Flagler	27	381.20	14.12
	Franklin	1	24.70	24.70
	Gadsden	11	194.50	17.68
	Gilchrist	2	34.80	17.40
	Glades	1	8.50	8.50
	Gulf	5	66.70	13.34
	Hamilton	1	28.70	28.70
	Hardee	8	120.70	15.09
	Hendry	12	208.50	17.38
	Hernando	128	1614.70	12.61
	Highlands	80	971.60	12.15
	Hillsborough	573	9402.80	16.41
	Holmes	10	145.30	14.53
	Indian River	87	996.70	11.46
	Jackson	26	407.10	15.66
	Jefferson	0	0.00	
	Lafayette	0	0.00	
	Lake	191	2582.70	13.52
Lee	334	4361.50	13.06	
Leon	63	866.90	13.76	
Levy	15	233.50	15.57	
Liberty	1	20.80	20.80	
Madison	7	141.90	20.27	
Manatee	233	2845.00	12.21	
Marion	229	3344.50	14.60	
Martin	92	997.70	10.84	
Monroe	30	499.20	16.64	
Nassau	23	384.20	16.70	

<i>Cause</i>	<i>County</i>	<i>Smoking Attributable Deaths</i>	<i>Smoking Attributable Years of Potential Life Lost</i>	<i>Years of Potential Life per Smoking Attributable Death</i>
	Okaloosa	73	1185.90	16.25
	Okeechobee	22	337.90	15.36
	Orange	410	6212.30	15.15
	Osceola	91	1402.50	15.41
	Palm Beach	986	11880.20	12.05
	Pasco	363	4959.40	13.66
	Pinellas	803	10914.00	13.59
	Polk	378	5526.30	14.62
	Putnam	39	563.20	14.44
	Santa Rosa	57	1027.10	18.02
	Sarasota	310	3707.60	11.96
	Seminole	172	2607.30	15.16
	St. Johns	46	645.50	14.03
	St. Lucie	144	1975.20	13.72
	Sumter	33	447.00	13.55
	Suwannee	29	358.00	12.34
	Taylor	5	75.40	15.08
	Union	4	107.20	26.80
	Volusia	451	6166.20	13.67
	Wakulla	2	32.10	16.05
Walton	18	239.50	13.31	
Washington	7	80.90	11.56	
	Cause Total	10723	150599.2	14.04
Neoplasms	Alachua	92	1663.70	18.08
	Baker	23	430.80	18.73
	Bay	135	2433.80	18.03
	Bradford	17	385.20	22.66
	Brevard	423	7056.90	16.68
	Broward	1052	16932.00	16.10
	Calhoun	6	87.70	14.62
	Charlotte	171	2613.30	15.28
	Citrus	164	2699.00	16.46
	Clay	82	1625.80	19.83
	Collier	176	2784.70	15.82
	Columbia	52	912.60	17.55
	Dade	986	17050.40	17.29
	Desoto	27	440.20	16.30
	Dixie	17	327.90	19.29
	Duval	487	9088.00	18.66
	Escambia	213	3676.20	17.26
	Flagler	59	978.40	16.58
	Franklin	13	252.10	19.39
	Gadsden	32	617.90	19.31
	Gilchrist	10	143.40	14.34
	Glades	13	219.60	16.89
	Gulf	14	293.40	20.96
	Hamilton	15	241.00	16.07
	Hardee	14	278.70	19.91
	Hendry	20	388.30	19.41
	Hernando	195	3035.90	15.57

<i>Cause</i>	<i>County</i>	<i>Smoking Attributable Deaths</i>	<i>Smoking Attributable Years of Potential Life Lost</i>	<i>Years of Potential Life per Smoking Attributable Death</i>
	Highlands	107	1675.70	15.66
	Hillsborough	591	10341.10	17.50
	Holmes	9	143.30	15.92
	Indian River	125	1994.20	15.95
	Jackson	37	735.30	19.87
	Jefferson	9	127.80	14.20
	Lafayette	1	20.70	20.70
	Lake	235	3601.50	15.33
	Lee	409	6542.20	16.00
	Leon	99	1765.20	17.83
	Levy	31	555.40	17.92
	Liberty	2	27.40	13.70
	Madison	13	211.70	16.28
	Manatee	253	4125.30	16.31
	Marion	285	4885.60	17.14
	Martin	127	1892.80	14.90
	Monroe	54	1014.20	18.78
	Nassau	44	848.90	19.29
	Okaloosa	110	2037.90	18.53
	Okeechobee	27	503.60	18.65
	Orange	422	7606.50	18.02
	Osceola	71	1230.20	17.33
	Palm Beach	860	13388.60	15.57
	Pasco	381	5878.50	15.43
	Pinellas	882	14229.70	16.13
	Polk	410	7000.70	17.07
	Putnam	63	1030.80	16.36
	Santa Rosa	70	1330.20	19.00
	Sarasota	376	5812.10	15.46
	Seminole	195	3497.70	17.94
	St. Johns	89	1452.00	16.31
	St. Lucie	166	2691.80	16.22
	Sumter	53	886.70	16.73
	Suwannee	29	587.30	20.25
	Taylor	16	307.70	19.23
	Union	24	602.60	25.11
	Volusia	418	6990.30	16.72
	Wakulla	13	246.60	18.97
	Walton	44	870.10	19.78
	Washington	13	298.10	22.93
	Cause Total	11671	195644.9	16.76
Respiratory Diseases	Alachua	78	1054.60	13.52
	Baker	14	240.90	17.21
	Bay	86	1130.60	13.15
	Bradford	17	271.70	15.98
	Brevard	265	3475.10	13.11
	Broward	687	8206.60	11.95
	Calhoun	12	172.30	14.36
	Charlotte	107	1209.20	11.30
	Citrus	120	1509.20	12.58

<i>Cause</i>	<i>County</i>	<i>Smoking Attributable Deaths</i>	<i>Smoking Attributable Years of Potential Life Lost</i>	<i>Years of Potential Life per Smoking Attributable Death</i>
	Clay	66	926.60	14.04
	Collier	109	1353.80	12.42
	Columbia	40	612.70	15.32
	Dade	672	7932.90	11.80
	Desoto	18	256.40	14.24
	Dixie	17	246.90	14.52
	Duval	352	4969.00	14.12
	Escambia	135	1777.50	13.17
	Flagler	38	548.70	14.44
	Franklin	4	52.00	13.00
	Gadsden	14	185.10	13.22
	Gilchrist	12	155.00	12.92
	Glades	5	81.60	16.32
	Gulf	8	127.00	15.88
	Hamilton	9	125.00	13.89
	Hardee	8	147.30	18.41
	Hendry	14	199.40	14.24
	Hernando	105	1261.40	12.01
	Highlands	68	843.00	12.40
	Hillsborough	439	5717.60	13.02
	Holmes	15	200.00	13.33
	Indian River	69	872.10	12.64
	Jackson	25	374.80	14.99
	Jefferson	5	62.50	12.50
	Lafayette	2	16.40	8.20
	Lake	145	1924.30	13.27
	Lee	239	3026.20	12.66
	Leon	55	759.20	13.80
	Levy	27	410.50	15.20
	Liberty	7	103.80	14.83
	Madison	8	95.90	11.99
	Manatee	160	1994.60	12.47
	Marion	190	2502.00	13.17
	Martin	60	711.90	11.87
	Monroe	32	410.80	12.84
	Nassau	40	627.40	15.68
	Okaloosa	63	803.90	12.76
	Okeechobee	25	349.30	13.97
	Orange	275	3684.70	13.40
	Osceola	64	806.10	12.60
	Palm Beach	487	5672.80	11.65
	Pasco	259	3346.20	12.92
	Pinellas	626	7776.50	12.42
	Polk	257	3459.90	13.46
	Putnam	49	679.00	13.86
	Santa Rosa	56	804.20	14.36
	Sarasota	243	2897.40	11.92
	Seminole	138	1748.90	12.67
	St. Johns	75	879.30	11.72
	St. Lucie	116	1578.60	13.61

<i>Cause</i>	<i>County</i>	<i>Smoking Attributable Deaths</i>	<i>Smoking Attributable Years of Potential Life Lost</i>	<i>Years of Potential Life per Smoking Attributable Death</i>
	Sumter	25	393.20	15.73
	Suwannee	30	492.00	16.40
	Taylor	16	196.30	12.27
	Union	6	88.00	14.67
	Volusia	323	4122.60	12.76
	Wakulla	13	202.40	15.57
	Walton	31	421.40	13.59
	Washington	9	122.60	13.62
	Cause Total	7784	99406.8	12.77

APPENDIX

Relative Risk of Death for Current and Former Smokers versus Never Smokers

<i>Cause of Death</i>	<i>Gender</i>	<i>Age Groups</i>	<i>Relative Risk for Current Smokers</i>	<i>Relative Risks for Former Smokers</i>
<i>Aortic Aneurysm</i>	Female	35-64	3.0	1.34
	Female	65+	3.0	1.34
	Male	35-64	4.06	2.33
	Male	65+	4.06	2.33
<i>Asthma</i>	Female	35-64	2.18	1.38
	Female	65+	2.18	1.38
	Male	35-64	1.99	1.56
	Male	65+	1.99	1.56
<i>Atherosclerosis</i>	Female	35-64	3.0	1.34
	Female	65+	3.0	1.34
	Male	35-64	4.06	2.33
	Male	65+	4.06	2.33
<i>Bronchitis, Emphysema</i>	Female	35-64	10.47	7.04
	Female	65+	10.47	7.04
	Male	35-64	9.65	8.75
	Male	65+	9.65	8.75
<i>Cardiac Arrest</i>	Female	35-64	1.69	1.16
	Female	65+	1.69	1.16
	Male	35-64	1.85	1.32
	Male	65+	1.85	1.32
<i>Cerebrovascular Disease</i>	Female	35-64	4.8	1.41
	Female	65+	1.47	1.01
	Male	35-64	3.67	1.38
	Male	65+	1.94	1.27
<i>Cervix Uteri</i>	Female	35-64	2.14	1.94
	Female	65+	2.14	1.94
	Male	35-64	0	0
	Male	65+	0	0
<i>Chronic Airways</i>	Female	35-64	10.47	7.04
	Female	65+	10.47	7.04
	Male	35-64	9.65	8.75
	Male	65+	9.65	8.75
<i>Esophagus</i>	Female	35-64	10.25	3.16
	Female	65+	10.25	3.16
	Male	35-64	7.6	5.83
	Male	65+	7.6	5.83
<i>Hypertension</i>	Female	35-64	1.69	1.16
	Female	65+	1.69	1.16
	Male	35-64	1.85	1.32
	Male	65+	1.85	1.32
<i>Ischemic Heart Disease</i>	Female	35-64	3.0	1.43
	Female	65+	1.6	1.29
	Male	35-64	2.81	1.75
	Male	65+	1.62	1.29

<i>Cause of Death</i>	<i>Gender</i>	<i>Age Groups</i>	<i>Relative Risk for Current Smokers</i>	<i>Relative Risks for Former Smokers</i>
<i>Kidney, Other Urinary</i>	Female	35-64	1.41	1.16
	Female	65+	1.41	1.16
	Male	35-64	2.95	1.95
	Male	65+	2.95	1.95
<i>Larynx</i>	Female	35-64	17.78	11.88
	Female	65+	17.78	11.88
	Male	35-64	10.48	5.24
	Male	65+	10.48	5.24
<i>Lip, Oral Cavity, Pharynx</i>	Female	35-64	5.59	2.88
	Female	65+	5.59	2.88
	Male	35-64	27.48	8.8
	Male	65+	27.48	8.8
<i>Other Arterial Disease</i>	Female	35-64	3.0	1.34
	Female	65+	3.0	1.34
	Male	35-64	4.06	2.33
	Male	65+	4.06	2.33
<i>Pancreas</i>	Female	35-64	2.33	1.78
	Female	65+	2.33	1.78
	Male	35-64	2.14	1.12
	Male	65+	2.14	1.12
<i>Pneumonia, Influenza</i>	Female	35-64	2.18	1.38
	Female	65+	2.18	1.38
	Male	35-64	1.99	1.56
	Male	65+	1.99	1.56
<i>Pulmonary Heart Disease</i>	Female	35-64	1.69	1.16
	Female	65+	1.69	1.16
	Male	35-64	1.85	1.32
	Male	65+	1.85	1.32
<i>Respiratory TB</i>	Female	35-64	2.18	1.38
	Female	65+	2.18	1.38
	Male	35-64	1.99	1.56
	Male	65+	1.99	1.56
<i>Rheumatic Heart Disease</i>	Female	35-64	1.69	1.16
	Female	65+	1.69	1.16
	Male	35-64	1.85	1.32
	Male	65+	1.85	1.32
<i>Trachea, Lung, Bronchus</i>	Female	35-64	11.94	4.69
	Female	65+	11.94	4.69
	Male	35-64	22.36	9.36
	Male	65+	22.36	9.36
<i>Urinary Bladder</i>	Female	35-64	2.58	1.85
	Female	65+	2.58	1.85
	Male	35-64	2.86	1.9
	Male	65+	2.86	1.9

Regional Smoking Prevalence

Region	<i>Gender</i>	<i>Age Groups</i>	<u>Never Smoked</u>	<u>Current Smoker</u>	<u>Former Smoker</u>
<i>Dade-Monroe</i>	Female	35-64	0.6098	0.2059	0.1843
	Female	65+	0.8016	0.078	0.1205
	Male	35-64	0.5006	0.2076	0.2918
	Male	65+	0.3846	0.1467	0.4687
<i>North Central</i>	Female	35-64	0.4781	0.3188	0.2031
	Female	65+	0.5835	0.0953	0.3212
	Male	35-64	0.4097	0.1972	0.3931
	Male	65+	0.3243	0.1312	0.5445
<i>North East</i>	Female	35-64	0.4516	0.3072	0.2412
	Female	65+	0.5712	0.0944	0.3343
	Male	35-64	0.3677	0.309	0.3233
	Male	65+	0.2782	0.1071	0.6147
<i>Palm Beach</i>	Female	35-64	0.5875	0.169	0.2435
	Female	65+	0.5348	0.1151	0.35
	Male	35-64	0.4783	0.1977	0.3241
	Male	65+	0.2743	0.0253	0.7005
<i>Panhandle</i>	Female	35-64	0.5554	0.2138	0.2308
	Female	65+	0.581	0.106	0.313
	Male	35-64	0.4186	0.2834	0.298
	Male	65+	0.3944	0.0854	0.5202
<i>South Central</i>	Female	35-64	0.5189	0.2391	0.242
	Female	65+	0.5139	0.079	0.4072
	Male	35-64	0.4207	0.2212	0.3581
	Male	65+	0.4689	0.1205	0.4106
<i>Tampa Bay</i>	Female	35-64	0.517	0.2327	0.2504
	Female	65+	0.5296	0.0343	0.4361
	Male	35-64	0.3913	0.3254	0.2833
	Male	65+	0.3427	0.1546	0.5027

Statewide Smoking Prevalence by Gender and Race

<i>Gender</i>	<i>Race</i>	<i>Never Smoked</i>	<i>Current Smoker</i>	<i>Former Smoker</i>
Female	Black	0.6914	0.142	0.1666
Female	White	0.5027	0.2021	0.2952
Male	Black	0.4513	0.2193	0.3294
Male	White	0.3851	0.1999	0.415

Years of Potential Life Remaining (YPLR) at age of death for those who died of smoking related causes

<u><i>Gender</i></u>	<u><i>Age Groups</i></u>	<u><i>YPLR</i></u>
<i>Female</i>		
	35-39	47.1
	40-44	42.5
	45-49	37.9
	50-54	33.3
	55-59	28.9
	60-64	24.7
	65-69	20.7
	70-74	16.9
	75-79	13.4
	80-84	10.2
	85 and up	7.4
<i>Male</i>		
	35-39	41.8
	40-44	37.3
	45-49	33.0
	50-54	28.7
	55-59	24.7
	60-64	20.8
	65-69	17.3
	70-74	14.0
	75-79	11.1
	80-84	8.5
	85 and up	6.2

1999 Abridged Life Expectancy Table – Preliminary Final. Florida Department of Health, Bureau of Planning, Evaluation and Data Analysis.