



ESTIMATES OF ANNUAL NATIONWIDE HEALTH CARE COSTS CAUSED BY SMOKING SINCE 1987 (In Billions of Dollars)

	Nationwide Total	Medicaid	Medicare	Other Fed.	Other State	Private Ins.	Self-Pay	Other
1987 CDC	\$21.89	\$2.24 (10.2%)	\$4.49 (20.5%)	\$2.09 (9.5%)	\$0.69 (3.1%)	\$7.30 (33.3%)	\$4.60 (21%)	\$0.48 (2.2%)
1993 CDC	\$50.00							
1993 V. Miller et al.	\$53.37							
1993 Zhang et al.	\$72.73	\$12.89 (17.7%)	\$14.18 (19.5%)			\$45.66 (62.8%)		
1997 Zhang et al.	\$89.17	\$16.95 (19.0%)	\$20.48 (23.0%)			\$51.74 (58.0%)		
2000, OMB				\$8.0				
2001, OMB				\$8.2				
2002, OMB				\$8.5				
2003, OMB				\$8.7				
2004, OMB				\$8.9				
2004, CDC	\$95,947							

U.S. Centers for Disease Control and Prevention (CDC), "Medical-Care Expenditures Attributable to Cigarette Smoking – United States, 1993, *Morbidity and Mortality Weekly Report (MMWR)* 43(26): 469-472 (July 8, 1994), www.cdc.gov. CDC, Smoking Attributable Mortality, Morbidity & Economic Costs (SAMMEC) database, <https://apps.nccd.cdc.gov/sammecc/index.asp> [applies Zhang/Miller smoking-attributable fractions to 2004 health care cost data]. See, also, CDC, "Annual Smoking-Attributable Mortality, Years of Potential Life Lost, and Economic Costs—United States, 1995-1999," *MMWR* 51(14): 300-303, April 12, 2002.

Miller, V, et al., "Smoking Attributable Costs in the U.S.A.," *Social Science and Medicine* 48: 375-391 (1999).

Zhang, X, et al., "Cost of Smoking to the Medicare Program, 1993," *Health Care Financing Review* 20(4):1-19, Summer 1999; see, also, Miller, L, et al., "State Estimates of Total Medical Expenditures Attributable to Cigarette Smoking, 1993," *Public Health Reports* 113:447-58, September/October 1998.

U.S. Office of Management and Budget (OMB), *The Budget for the United States Government - Fiscal Year 2000*, Table S-8 at page 378, January 1999.

For an evaluation of smoking-cost estimates, see Warner, KT, et al., "Medical Costs of Smoking in the United States: Estimates, Their Validity, and Their Implications," *Tobacco Control* 8(3):290-300, Autumn 1999 [supporting higher estimates of Zhang, et al. for 1993 and 1997 and indicating that earlier CDC estimates are quite low].

For information on non-health costs, see, e.g., see U.S. Department of the Treasury, *The Economic Costs of Smoking in the U.S. and the Benefits of Comprehensive Tobacco Legislation*, 1998.

Campaign for Tobacco-Free Kids, October 6, 2006

Note: All estimates other than OMB's include only smoking-caused costs borne by adult smokers, and would be much higher if they included health costs caused by other tobacco use, by smoking and other tobacco use among non-adults, and by secondhand smoke (including health problems of newborns caused by pregnant women smoking or being exposed to secondhand smoke).