

Facts:



Bureau of Health Promotion, Tobacco Use Prevention Program

1-866-726-9926 (toll free)

Estimated Cost of Tobacco Use to Missourians

Human and economic cost to Missourians:

- 9,475 died from tobacco-related diseases in 2003¹
- 1,155 deaths (average) occur annually due to exposure to secondhand smoke.²
- 32 infants died in 2003 due to maternal smoking during pregnancy.³
- 147,751 of today's youth are projected to die from smoking.⁴
- 141,203 years of potential life lost in 2003 due to tobacco-related illnesses and deaths.⁵
- \$2.4 billion from lost productivity in 2001 due to tobacco-related illnesses and deaths,⁶ equaling \$2,389 for each adult who smokes.⁷
- \$1.96 billion (2002 dollars) to treat smoking-related illnesses, including \$490 million by the state Medicaid program,⁸ equaling \$1,950 for each adult who smokes.⁹
- **\$4.36 billion in annual lost productivity and health care costs due to tobacco use, equaling \$4,339 for each adult who smokes.**

Cost of tobacco use by Missouri state employees:

- 63,965 is the total number of Missouri State employees¹⁰
- 15,416 is the estimated number of state employees who smoke¹¹
- \$36.8 million is the estimated amount of lost productivity per year for state employees who smoke¹²
- \$30.1 million is the estimated amount of excess medical expenditures per year for state employees who smoke.¹³
- **\$66.9 million is the estimated total annual cost for lost productivity and medical treatment for state employees who smoke.**

Cost of maintenance caused by tobacco use on state property:

- \$15,625 is the estimated annual cost to Department of Health and Senior Services for cleaning cigarette receptacles.¹⁴
- **\$544,000 is the estimated annual cost to clean up cigarette butts on state owned property administered by Office of Administration.**¹⁵

(continued, next page)

References

- ¹ Missouri Department of Health and Senior Services (DHSS). (2005). Missouri Smoking-Attributable Mortality, Morbidity and Economic Costs (SAMMEC). U.S. Centers for Disease Control and Prevention (CDC) <http://apps.nccd.cdc.gov/sammeccalculations>
- ² Campaign for Tobacco-Free Kids. (2005). The Toll of Tobacco in Missouri. www.tobaccofreekids.org
- ³ DHSS. (2005). Missouri SAMMEC. CDC. <http://apps.nccd.cdc.gov/sammeccalculations>
- ⁴ CDC. (2004). Sustaining State Programs for Tobacco Control: Data Highlights.
- ⁵ DHSS. (2005). Missouri SAMMEC. CDC. <http://apps.nccd.cdc.gov/sammeccalculations>
- ⁶ Ibid.
- ⁷ Calculated from estimated number of adults that smoke (4,169,109 adults 18 and older from 2000 census x 24.1% adult smoking prevalence from 2004 BRFSS = 1,004,755 approximate adults that smoke)
- ⁸ Campaign for Tobacco-Free Kids. (2005). The Toll of Tobacco in Missouri. www.tobaccofreekids.org
- ⁹ Calculated from estimated number of adults that smoke.
- ¹⁰ Missouri Department of Administration, Division of Personnel. (2005). Personal conversation with Gary Fogelbach. Includes all full- and part-time employees.
- ¹¹ Calculated from 2004 Missouri adult smoking prevalence of 24.1% obtained from the 2004 Behavioral Risk Factor Surveillance System (BRFSS). DHSS and CDC. (63,965 x 24.1% = 15,416)
- ¹² Calculated from estimated lost productivity costs (\$2,389 per smoker x 15,416 state employees that smoke).
- ¹³ Calculated from estimated cost to treat tobacco-related illnesses (\$1,950 x 15,416 state employees that smoke).
- ¹⁴ Calculations by Kevin Kolb, DHSS. (25 receptacles requiring 12.5 hours labor/week x \$25/hour x 50 weeks). Does not include cost to pick up cigarettes butts on campus grounds because it is not done.
- ¹⁵ Calculations by Dave Mosby, Director of Facilities Management Division, Office of Administration. (1.6 cents/square foot x 34 million square feet of owned and leased property). Includes state office buildings, prisons and mental hospitals. Does not include institutions of higher education, Missouri Department of Transportation and Missouri Department of Conservation property.

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