

## The Economic Toll of Tobacco Use, Utah and U.S., 2009 Data Summary

### Smoking-Attributable Expenditures (SAEs), per Pack and Capita, Utah 2004

	SAEs* (\$)
Medical Costs per Pack	\$4.30
Productivity Costs per Pack	\$3.40
<b>Total (Medical Costs per Pack and Productivity Costs per Pack)</b>	<b>\$7.70</b>
Medicaid Cost per Pack	\$1.20
Medicaid Cost per Capita	\$63.07

**Source:** CDC : Sustaining State Programs for Tobacco Control , Data Highlights 2006.  
[http://www.cdc.gov/Tobacco/data\\_statistics/state\\_data/data\\_highlights/2006/pdfs/dataHighlights06rev.pdf](http://www.cdc.gov/Tobacco/data_statistics/state_data/data_highlights/2006/pdfs/dataHighlights06rev.pdf)

### Annual Business Expenditures Related to Smoking, U.S. 1995-1999

	Annual Business Expenditures
Direct medical expenditure per smoker	\$1,623
Lost productivity per smoker	\$1,768
<b>Total annual cost per smoker</b>	<b>\$3,383</b>

**Source:** Centers for Disease Control and Prevention (CDC), *Annual Smoking-Attributable Mortality, Years of Potential Life Lost, and Economic Costs. United States 1995-1999. MMWR 2002; 51: 300-30.*

### Average Annual Smoking-Attributable Productivity Losses\*, Utah 2000-2004

	Productivity Losses (\$)
Men	\$210,985,000
Women	\$82,610,000
<b>Total</b>	<b>\$293,595,000</b>

**Note:** \*Average annual total, among adults aged 35 years and older, and do not include burn or secondhand smoke deaths.

**Source:** [Smoking-Attributable Mortality, Morbidity, and Economic Costs \(SAMMEC\) program](#)

### Average Annual Smoking-Attributable Medical Expenditures (SAEs)\*, Utah 2004

	SAEs* (\$)
Ambulatory	\$54,000,000
Hospital	\$200,000,000
Nursing Home	\$19,000,000
Prescription Drugs	\$59,000,000
Other	\$37,000,000
<b>Total</b>	<b>\$369,000,000</b>
<b>Annual Tobacco-related Medicaid Cost</b>	<b>\$104,000,000</b>

**Note:** \*Excess personal health care expenditures attributed to diseases where cigarette smoking is a primary risk factor among adults aged 18 years and older.

**Source:** [Smoking-Attributable Mortality, Morbidity, and Economic Costs \(SAMMEC\) program](#)

### Cost-effectiveness of Tobacco Dependence Interventions

*"The tobacco dependence treatments shown to be effective in [The PHS Clinical Practice Guideline 2008: Treating Tobacco Use and Dependence] (both counseling and medication) are highly cost-effective relative to other reimbursed treatments and should be provided to all smokers." (Fiore et al. 2008)*

Tobacco Cessation Treatment for Pregnant Women	Cost of intervention per pregnant woman: \$24-\$34 Costs saved per woman who quits during pregnancy: \$881 Medicaid savings per low income pregnant woman who quits smoking during pregnancy: \$1,274
Savings based on each 1% decrease in smoking prevalence among US pregnant women in direct medical cost in the first year	\$21 million
Return of Investment for Smoking Cessation Services	Seven years after quitting, former smokers' cumulative healthcare costs are lower than those of continuing smokers (including increased costs during the year of quitting) Ten years post quitting, healthcare costs ranged from 75-92%.

**Source:** Fiore, M.C., Jaén C.R., Baker T.B., et al. 25 (2008). *Treating Tobacco Use and Dependence: 2008 Update. Clinical Practice Guideline.* Rockville, MD: U.S. Department of Health and Human Services. Public Health Service.

**Higher Healthcare Costs for Smokers vs Nonsmokers, U.S. (in 2004 dollars)**

	<u>Lifetime</u>
Males	\$16,708
Females	\$19,753
Weighted Average	\$17,973
Former Smokers Excess Costs	\$3,595-\$12,789
Savings from Quitting	\$5,185-\$14,378
<b>Source:</b> Campaign for Tobacco Free Kids : <a href="http://www.tobaccofreekids.org/research/factsheets/pdf/0277.pdf">http://www.tobaccofreekids.org/research/factsheets/pdf/0277.pdf</a>	

**Cost-Benefit Ratios and Cost/QALY for Four School- or Community-Based Tobacco Use Prevention Programs (in 2002 dollars)**

	Unit Cost	Medical	Other Monetary	Quality of Life	Total Benefits	Benefit-Cost Ratio	Cost/ QALY Saved
<b>Youth Tobacco Use Prevention Programs</b>							
Know Your Body	\$140/pupil	\$90	\$1,560	\$4,490	\$6,100	43	\$1,200
MN Smoking Prevention Program	\$95/pupil	\$83	\$1,430	\$4,130	\$5,600	59	\$300
Project TNT (Toward No Tobacco)	\$180/pupil	\$43	\$730	\$2,120	\$2,890	16	\$6,600
Youth Anti-smoking Mass Media Campaign	\$370/pupil	\$57	\$980	\$2,830	\$3,870	10	\$11,000
<b>Source:</b> Miller, T. and Hendrie, D. <i>Substance Abuse Prevention Dollars and Cents: A Cost-Benefit Analysis</i> , DHHS Pub. No. (SMA) 07-4298. Rockville, MD: Center for Substance Abuse Prevention, Substance Abuse and Mental Health Services Administration, 2008.							