

# UNDERAGE DRINKING IN OREGON

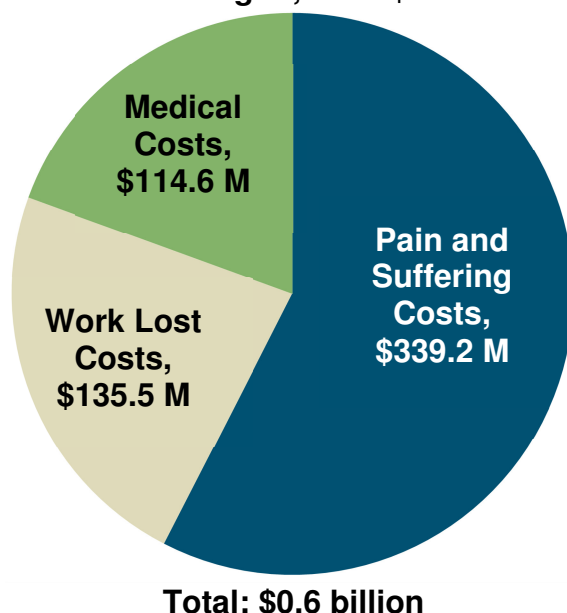
## The Facts

Tragic health, social, and economic problems result from the use of alcohol by youth. Underage drinking is a causal factor in a host of serious problems, including homicide, suicide, traumatic injury, drowning, burns, violent and property crime, high-risk sex, fetal alcohol syndrome, alcohol poisoning, and the need for treatment of alcohol abuse and dependence.

### Problems and Costs Associated with Underage Drinking in Oregon

In 2013, underage drinking cost the citizens of Oregon \$0.6 billion. These costs include medical care, work loss, and pain and suffering associated with the multiple problems resulting from the use of alcohol by youth.<sup>1</sup> This translates to \$1,695 per year for each youth in the state or \$3.43 per drink consumed underage. Excluding pain and suffering from these costs, tangible costs of underage drinking including medical care, criminal justice, property damage, and loss of work in Oregon totaled \$249.88 million each year or \$1.45 per drink. In contrast, a drink in Oregon retails for \$0.96.

**Costs of Underage Drinking Oregon, 2013 \$**



**Costs of Underage Drinking by Problem, Oregon, 2013 \$**

Problem	Total Costs (in millions)
Youth violence	\$304.6
Youth traffic crashes	\$46.2
High-risk sex, Ages 14–20 years	\$32.7
Property and public order crime	\$2.7
Youth injury	\$40.1
Poisonings and psychoses	\$7.5
Fetal alcohol syndrome among mothers aged 15–20 years	\$13.9
Youth alcohol treatment	\$78.8
<b>Total</b>	<b>\$589.7 (e.g. \$0.6 B)</b>

Youth violence (homicide, suicide, aggravated assault) and traffic crashes attributable to alcohol use by underage youth in Oregon represent the largest costs for the state. However, a host of other problems contribute substantially to the overall cost. Among teen mothers, fetal alcohol syndrome alone costs Oregon \$14 million.

In 2012, 1,626 youth aged 12 to 20 years were admitted for alcohol treatment in Oregon, accounting for 8% of all treatment admissions for alcohol abuse in the state.<sup>2</sup> Young people who begin drinking before age 15 are four times more likely to develop alcohol dependence and are two and a half times more likely to become

abusers of alcohol than those who begin drinking at age 21.<sup>3</sup> We did not cost these adult problems.

## Alcohol Consumption by Youth in Oregon

Underage drinking is widespread in Oregon. Approximately 117,000 underage customers drink each year in Oregon. In 2013, Oregon students in grades 9 to 12 reported the following:<sup>4</sup>

- 67.0% had at least one drink of alcohol on one or more days during their life.
- 47.4% had their first drink of alcohol, other than a few sips, before age 13.
- 31.0% had at least one drink of alcohol on one or more occasions in the past 30 days.
- 17.7% had five or more drinks of alcohol in a row (binge drinking) in the past 30 days.

In 2012, underage customers consumed 7.8% of all alcohol sold in Oregon, totaling \$166 million in sales (in 2013 dollars). These sales provided profits of \$81 million to the alcohol industry.<sup>1</sup> Ranking states based on the percentage of alcohol consumed underage, with 1 the highest, Oregon ranked number 37. This percentage is affected by both adult and youth drinking levels.

Annual sales of alcohol consumed by youth in Oregon averaged \$1,416 per underage customer. Underage customers were heavier consumers than adults. They drank an average of 4.0 drinks per day; in contrast, legal customers consumed only 1.9.

## Harm Associated with Underage Drinking in Oregon

Underage drinking in Oregon leads to substantial harm due to traffic crashes, violent crime, property crime, unintentional injury, and high-risk sex.

- During 2012, an estimated 6 traffic fatalities and 72 nonfatal traffic injuries were attributable to driving after underage drinking.
- In 2012, an estimated 6 homicides; 5,000 nonfatal violent crimes such as rape, robbery, and assault; 11,100 property crimes including burglary, larceny, and car theft; and 208,000 public order crimes including vandalism, disorderly conduct, loitering, and curfew violations were attributable to underage drinking.
- In 2011, an estimated 4 alcohol-involved fatal burns, drownings, and suicides were attributable to underage drinking.
- In 2013, an estimated 253 teen pregnancies and 8,578 teens having high-risk sex were attributable to underage drinking.

For comparison with other states, in U.S. rather than state prices, the harm from underage drinking per youth in Oregon averages \$943. Such comparisons require caution. In part, they may reflect differences in crime and crash rates, problem-reporting to police, and co-occurring drug use.

*Produced by the Pacific Institute for Research and Evaluation (PIRE) with funding from the Office of Juvenile Justice and Delinquency Prevention (OJJDP), March 2015.*

<sup>1</sup> Levy, D.T., Miller, T.R., & Cox, K.C. (2003). Underage drinking: societal costs and seller profits. Working Paper. Calverton, MD: PIRE.

<sup>2</sup> Office of Applied Studies, Substance Abuse and Mental Health Services Administration. Treatment Episode Data Set. (2013). *Substance Abuse Treatment by Primary Substance of Abuse, According to Sex, Age, Race, and Ethnicity, 2011*. Available [Online]: <http://www.icpsr.umich.edu/icpsrweb/SAMHDA/studies/30462>

---

<sup>3</sup> Grant, B.F., & Dawson, D.A. (1997). Age at onset of alcohol use and its association with DSM-IV alcohol abuse and dependence: Results from the National Longitudinal Alcohol Epidemiologic Survey. *Journal of Substance Abuse* 9: 103-110.

<sup>4</sup> Oregon Public Health Division (2014). 2013 Oregon Healthy Teens (OHT) Survey. Available [Online]:  
[https://public.health.oregon.gov/BirthDeathCertificates/Surveys/OregonHealthyTeens/Documents/2013/2013\\_OHT\\_State\\_Report.pdf](https://public.health.oregon.gov/BirthDeathCertificates/Surveys/OregonHealthyTeens/Documents/2013/2013_OHT_State_Report.pdf).