Data Sources for The State of Tobacco Control County Pages
Tobacco Prevention and Cessation Commission

**Adult smoking prevalence**

**Indiana prevalence:** Behavioral Risk Factor Surveillance System (BRFSS), 2018.

**United States prevalence:** Median of 2018 BRFSS adult smoking prevalence estimates for all 50 states and the District of Columbia. (Available at [https://www.cdc.gov/brfss/brfssprevalence/](https://www.cdc.gov/brfss/brfssprevalence/)).

**County-level prevalence:** Indiana Behavioral Risk Factor Surveillance System (BRFSS), 2014-2018.

Note: County-level adult smoking prevalence estimates were calculated using combined landline and cell phone BRFSS data from 2014-2018. The statewide landline and cell phone weight was used to calculate county-level estimates. Because the statewide weight is based on the demographics of Indiana’s statewide adult population, it may not reflect the demographics of individual counties. County estimates are suppressed when the relative standard error is greater than 30% or when there were fewer than 100 respondents in the county. For 2014-2018, six counties’ estimates were suppressed. Because the county-level adult smoking prevalence estimates are based on different years of data (2014-2018) than the state and national estimates (2018 only), the county-level estimates are not directly comparable to the state or national data.

**Estimated number of adult smokers**

Calculated using the following formulas:

**Indiana:** (Indiana 2010 adult population)*(Statewide adult smoking prevalence from 2018 BRFSS)

**County-level:** (County 2010 adult population)*(County-level adult smoking prevalence from 2014-2018 BRFSS)

**Lung cancer death rates**


Note: County, state, and U.S. Rates are based on pooled data from 2012-2016. Rates are per 100,000 population and age-adjusted to the 2000 U.S. standard population. County and statewide data include deaths from malignant neoplasms of the lung and bronchus. United States data include deaths from malignant neoplasms of the trachea, lung, and bronchus.

**Cardiovascular disease death rates**


Note: Rates are based on pooled data from 2011-2015. Rates are per 100,000 population and age-adjusted to the 2000 U.S. standard population.

Updated 02/04/2019
Other chronic disease deaths (Heart disease, Cerebrovascular disease, and Chronic Lower Respiratory disease)


(Note: Rates are based on pooled data from 2010-2014. Rates are per 100,000 population and age-adjusted to the 2000 U.S. standard population. Rates are considered unreliable and are suppressed when there are fewer than 20 events.)

Asthma-related emergency department visit rates


Note: Rates are based on 2015 emergency department visit data. Rates are per 10,000 population and age-adjusted to the 2000 U.S. standard population. Rates are suppressed when there are twenty or fewer emergency department visits.

Smoking during pregnancy and births affected by smoking


Note: Smoking during pregnancy rates are from 2018 birth certificate data. Births affected by smoking are calculated by multiplying the county-level smoking during pregnancy prevalence by the total number of live births in the county.

Cost of smoking-related births


Note: County-level costs of smoking-affected births are estimates based on 2015 birth certificate data. Costs are calculated by multiplying the estimated number of smoking-affected births by $1,358 (the estimated cost per smoking-affected birth as calculated by Miller et al., [2001]).

Deaths attributable to smoking


- Statewide estimated deaths attributable to smoking: 11,100 per year
- County-level deaths attributable to smoking represent the county’s pro-rata share of the statewide smoking-attributable deaths based on the county’s 2010 adult population. Estimates are calculated as follows:

  (County 2010 adult population/Indiana 2010 adult population)*11,100
Deaths due to secondhand smoke (SHS) and economic burden of SHS


- Statewide annual estimated deaths attributable to SHS: 1,337
- Estimated annual economic costs of SHS in Indiana: $2.1 billion ($2,165,829,356)
- Estimates of county-level deaths attributable to SHS represent the county’s pro-rata share of SHS-related deaths based on the county’s 2010 total population and are calculated as follows: (County 2010 total population/Indiana 2010 total population) * 1,337
- Estimates of county-level economic costs due to secondhand smoke represent the county’s pro-rata share of SHS-related costs based on the county’s 2010 total population are calculated as follows: (County 2010 total population/Indiana 2010 total population) * $2,165,829,356.

Note: Costs related to secondhand smoke include health care costs and costs due to premature death from diseases causally linked to secondhand smoke.

Smoking-related illnesses


- According to the Centers for Disease Control and Prevention, for every person who dies because of smoking, at least 30 people live with a serious smoking-related illness.
- Statewide estimated tobacco-related illnesses are calculated by multiplying the statewide estimated number of tobacco related deaths (11,100) by 30.
- County estimates represent the county’s pro-rata share of tobacco-related illnesses based on the county’s 2010 adult population. Estimates are calculated using the following formula: (County 2010 adult population/Indiana 2010 adult population) * 333,000

Economic costs due to smoking


Note: Total costs ($6.1 billion) are calculated by summing the estimates of total health care costs ($2.93 billion) and lost productivity costs ($3.17 billion). Sources for these estimates are as follows:

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  (For additional information, see also: Campaign for Tobacco-Free Kids. The Toll of Tobacco: Sources. Available from http://www.tobaccofreekids.org/facts_issues/toll_us/sources/.)

Residents’ state and federal tax burden due to smoking (per household)
(For additional information, see also: Campaign for Tobacco-Free Kids. The Toll of Tobacco: Sources. Available from http://www.tobaccofreekids.org/facts_issues/toll_us/sources/.)

Population Data
All population counts used to calculate statewide and county-level estimates are from the 2010 U.S. Census. Statewide and county-level data are available from http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=DEC_10_DP_DPDP1&prodType=table.