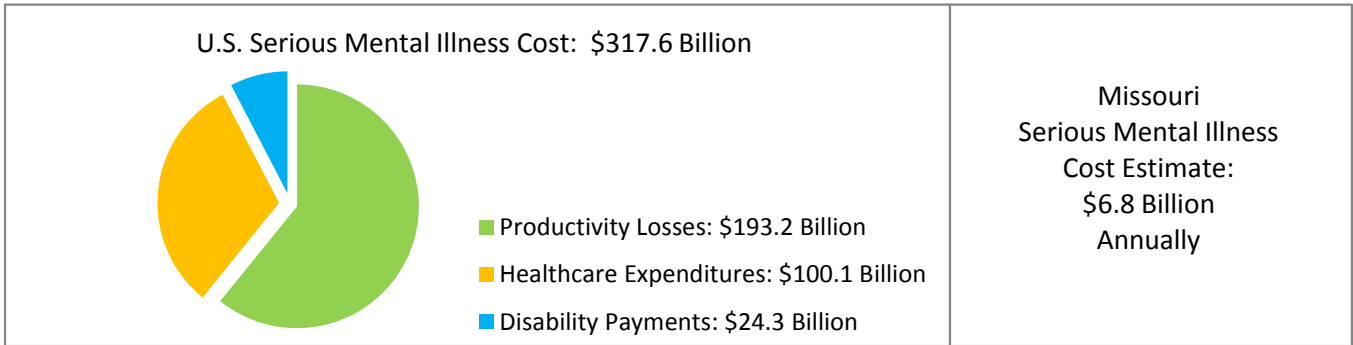


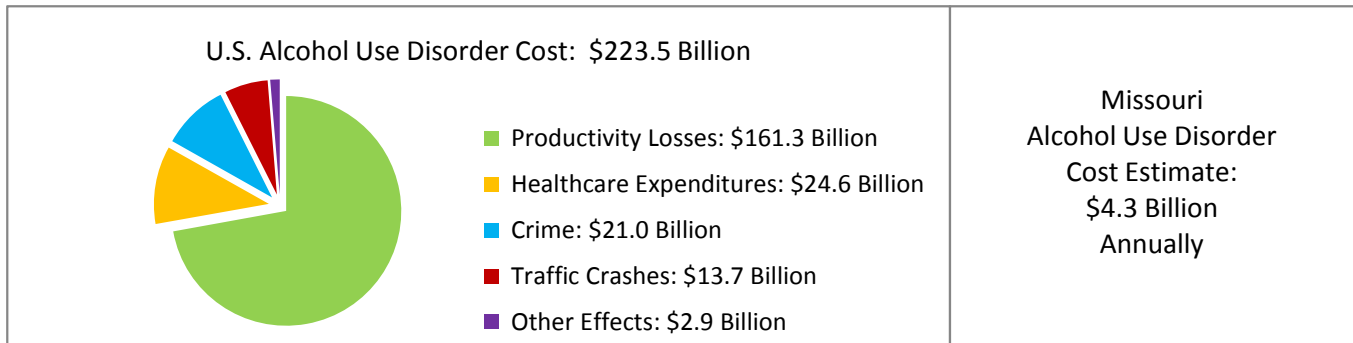
# ECONOMIC COSTS OF MENTAL ILLNESS AND SUBSTANCE USE DISORDERS IN THE U.S. AND MISSOURI

## Estimated Annual Economic Cost of Serious Mental Illness in the United States and Missouri



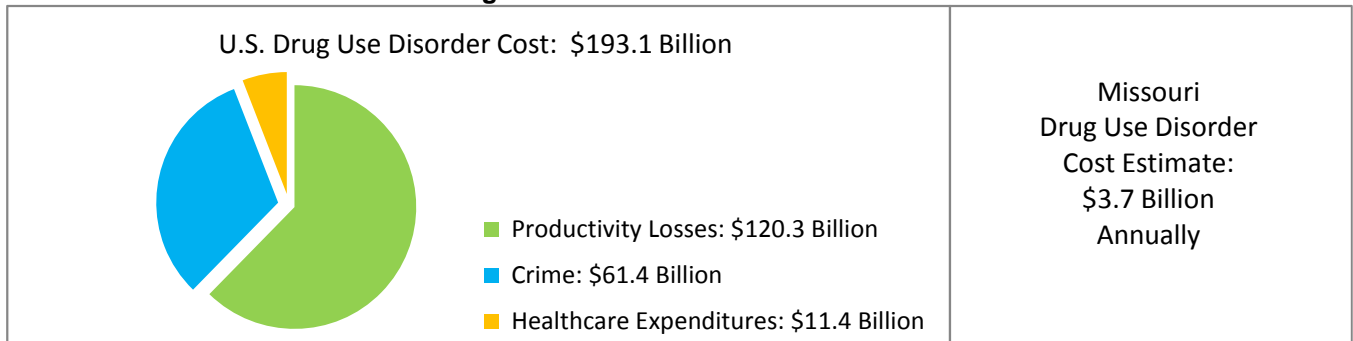
Data Source: Insel, TR (2008). *Assessing the Economic Costs of Serious Mental Illness*. *American Journal of Psychiatry*. 165(6):703-711. Missouri cost estimates are derived from the nationwide estimates based on U.S. and Missouri serious mental illness data from the 2012-2013 National Survey on Drug Use and Health.

## Estimated Annual Economic Cost of Alcohol Use Disorders in the United States and Missouri



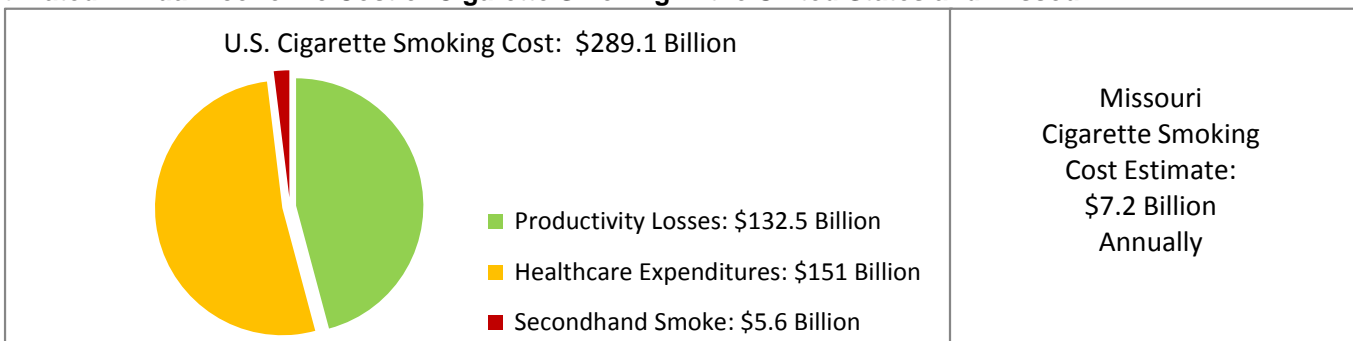
Data Source: Centers for Disease Control and Prevention (2014). *Excessive Drinking Costs U.S. \$223.5 Billion*. Atlanta, GA. Missouri cost estimates are derived from the nationwide estimates based on U.S. and Missouri alcohol dependence and abuse data from the 2012-2013 National Survey on Drug Use and Health.

## Estimated Annual Economic Cost of Drug Use Disorders in the United States and Missouri



Data Source: National Drug Intelligence Center (2011). *National Drug Threat Assessment*. Washington, DC: U.S. Dept of Justice. Missouri cost estimates are derived from the nationwide estimates based on U.S. and Missouri illicit drug dependence and abuse data from the 2012-2013 National Survey on Drug Use and Health.

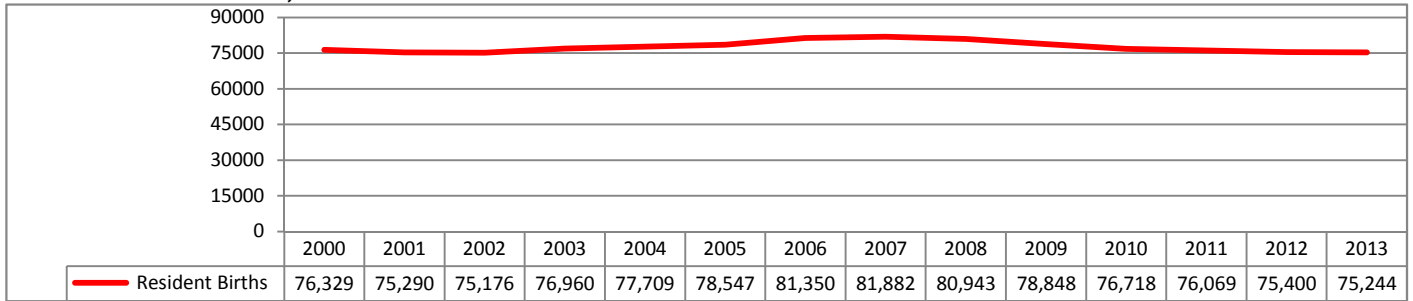
## Estimated Annual Economic Cost of Cigarette Smoking in the United States and Missouri



Data Source: U.S. Department of Health and Human Services (2014). *The Health Consequences of Smoking—50 Years of Progress. A Report of the Surgeon General*. Atlanta, GA: Centers for Disease Control and Prevention. Missouri cost estimates are derived from the nationwide estimates based on U.S. and Missouri cigarette smoking data from the 2012-2013 National Survey on Drug Use and Health.

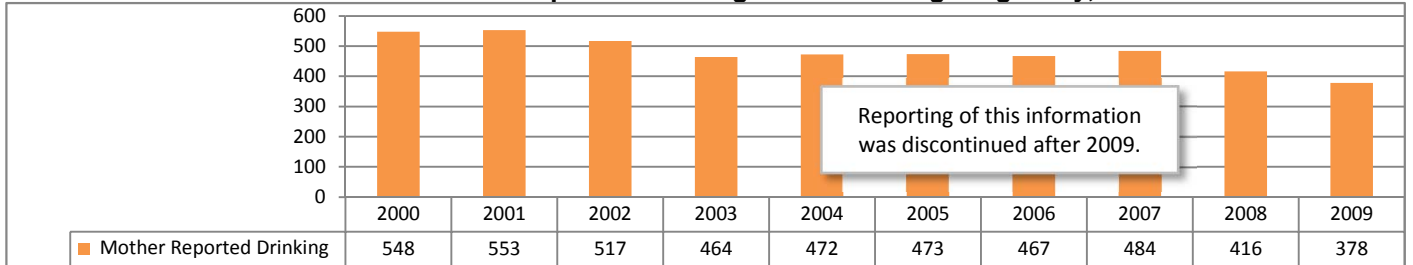
## MISSOURI BIRTHS AND FETAL EXPOSURE TO ALCOHOL AND DRUGS

### Missouri Resident Births, 2000-2013



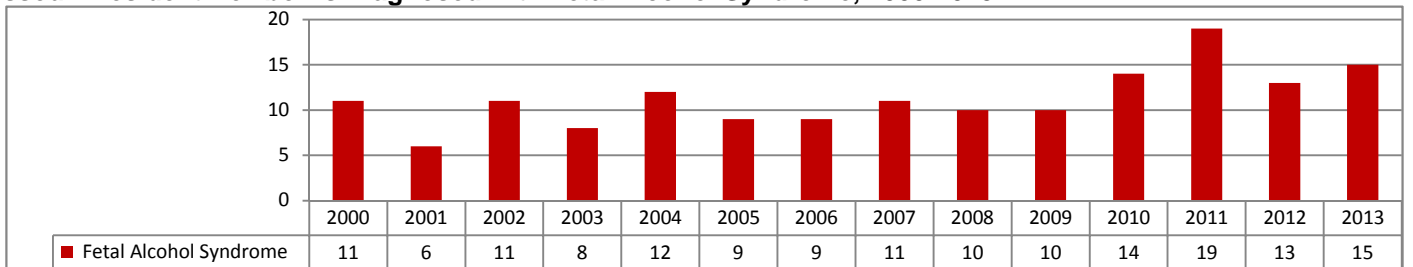
Data Source: Missouri Department of Health and Senior Services.

### Missouri Resident Births for which Mother Reported Drinking Alcohol During Pregnancy, 2000-2009

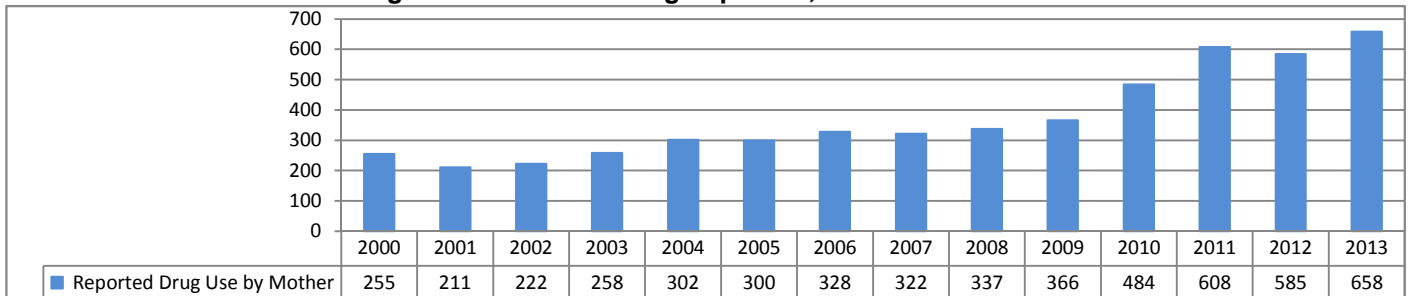


Data Source: Missouri Department of Health and Senior Services.

### Missouri Resident Newborns Diagnosed with Fetal Alcohol Syndrome, 2000-2013

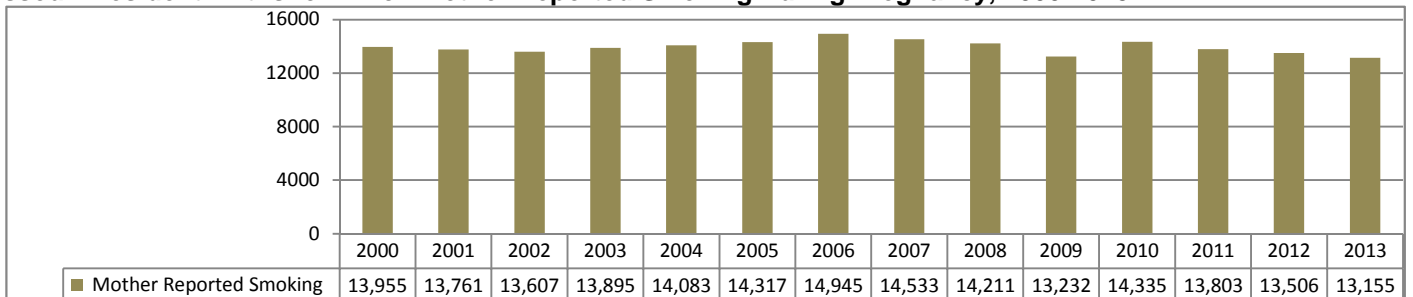


### Missouri Resident Newborns Diagnosed with Illicit Drug Exposure, 2000-2013



Data Source: Missouri Department of Health and Senior Services.

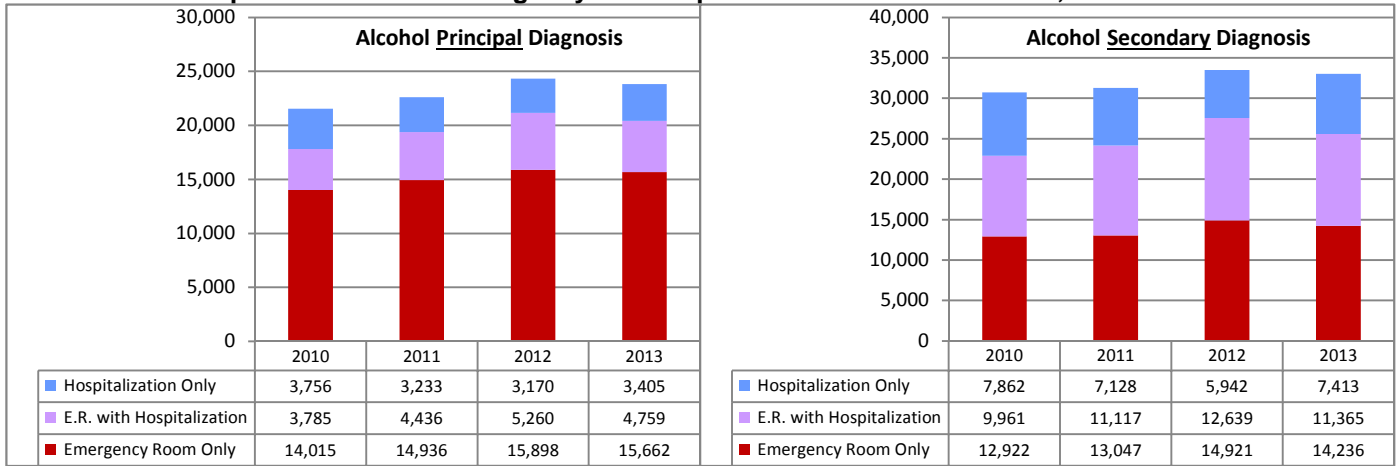
### Missouri Resident Births for which Mother Reported Smoking During Pregnancy, 2000-2013



Data Source: Missouri Department of Health and Senior Services.

## MISSOURI HOSPITAL AND EMERGENCY DEPARTMENT EPISODES

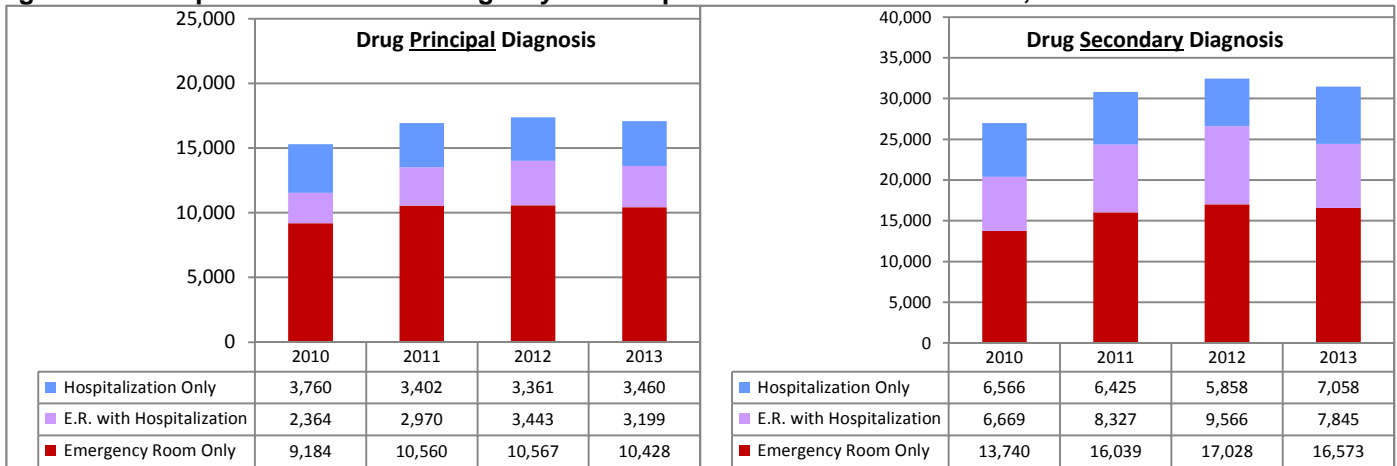
### Alcohol Related Hospitalizations and Emergency Room Episodes: Missouri Residents, 2010-2013



Data Source: Missouri Department of Health and Senior Services.

Beginning with 2010 data, diagnosis counts for hospital and emergency room services are based on International Classification of Diseases codes identified by the federal Healthcare Cost and Utilization Project (HCUP).

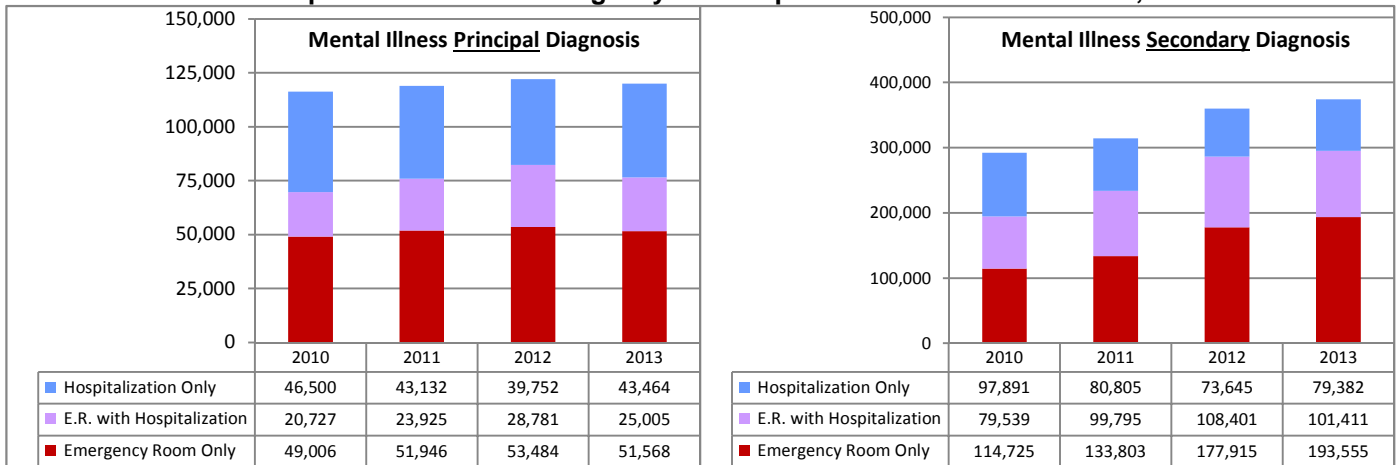
### Drug Related Hospitalizations and Emergency Room Episodes: Missouri Residents, 2010-2013



Data Source: Missouri Department of Health and Senior Services.

Beginning with 2010 data, diagnosis counts for hospital and emergency room services are based on International Classification of Diseases codes identified by the federal Healthcare Cost and Utilization Project (HCUP).

### Mental Illness Related Hospitalizations and Emergency Room Episodes: Missouri Residents, 2010-2013

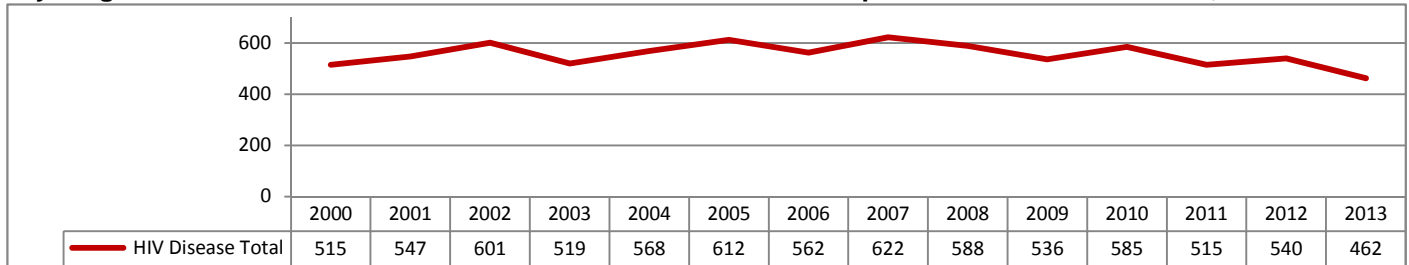


Data Source: Missouri Department of Health and Senior Services.

Beginning with 2010 data, diagnosis counts for hospital and emergency room services are based on International Classification of Diseases codes identified by the federal Healthcare Cost and Utilization Project (HCUP).

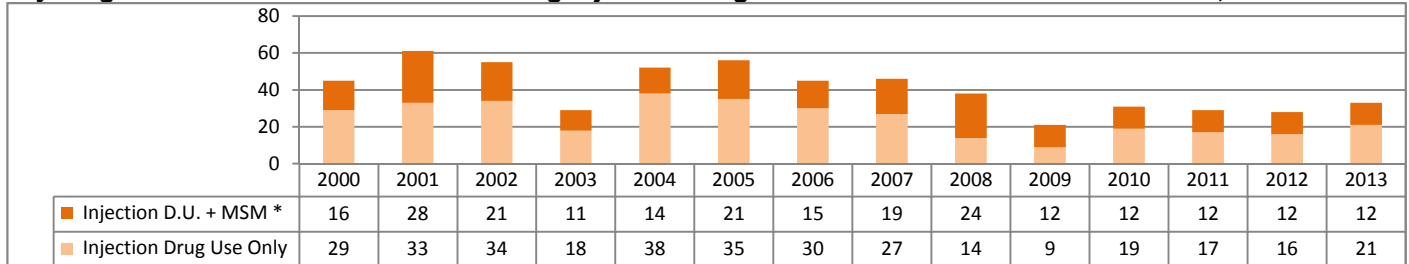
## DISEASES ASSOCIATED WITH SUBSTANCE USE

### Newly Diagnosed HIV Disease Cases Associated with All Causes of Exposure: Missouri Residents, 2000-2013



Data Source: Missouri Department of Health and Senior Services, Bureau of HIV, STD, and Hepatitis.

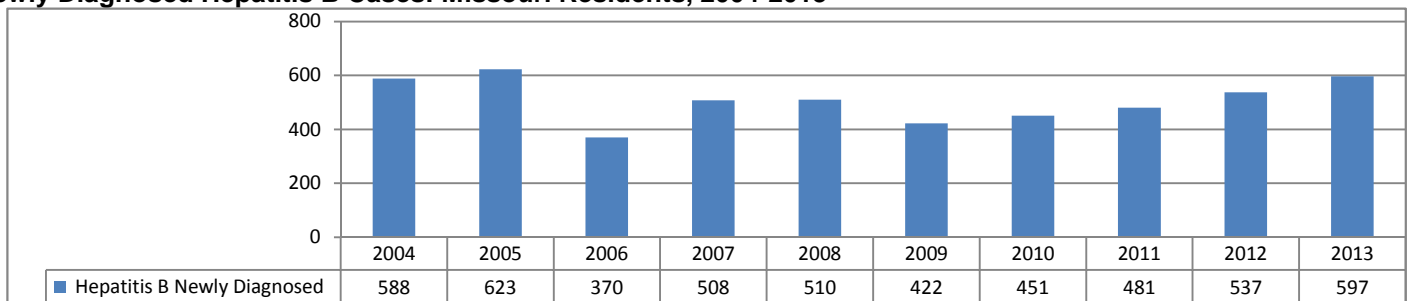
### Newly Diagnosed HIV Disease Cases Involving Injection Drug Use Risk Factor: Missouri Residents, 2000-2013



Data Source: Missouri Department of Health and Senior Services, Bureau of HIV, STD, and Hepatitis.

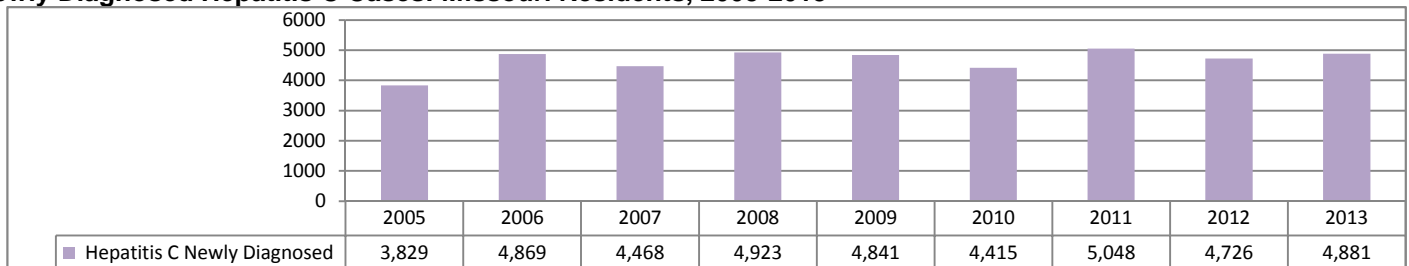
\* MSM denotes HIV risk factor for men who have sex with men.

### Newly Diagnosed Hepatitis B Cases: Missouri Residents, 2004-2013



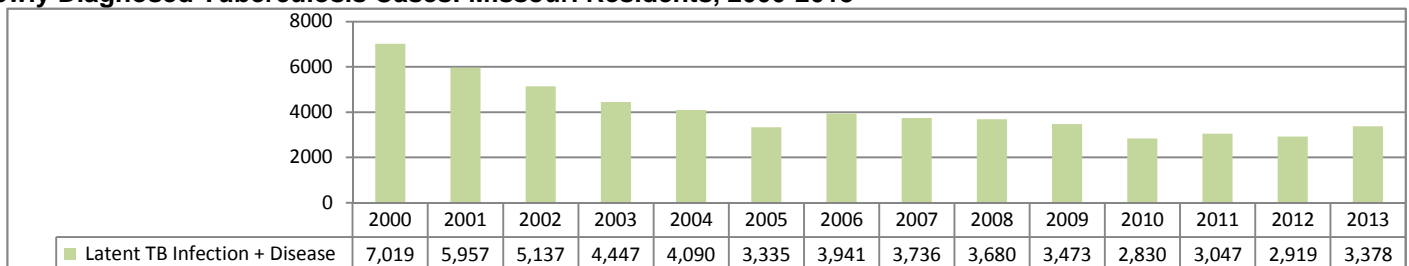
Data Source: Missouri Department of Health and Senior Services, Bureau of HIV, STD, and Hepatitis.

### Newly Diagnosed Hepatitis C Cases: Missouri Residents, 2005-2013



Data Source: Missouri Department of Health and Senior Services, Bureau of Health Informatics.

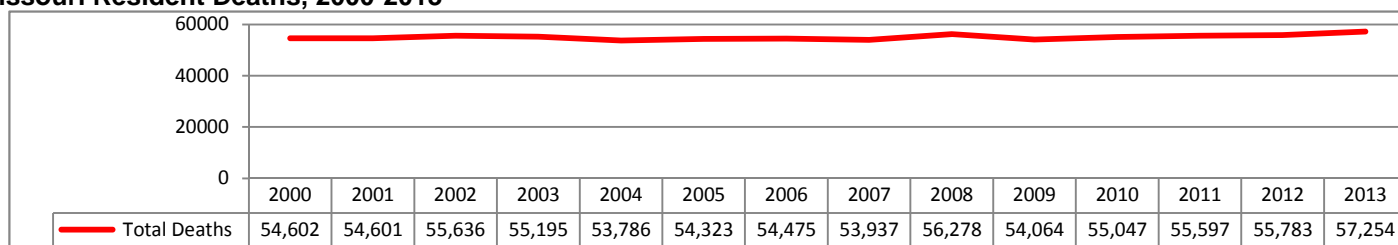
### Newly Diagnosed Tuberculosis Cases: Missouri Residents, 2000-2013



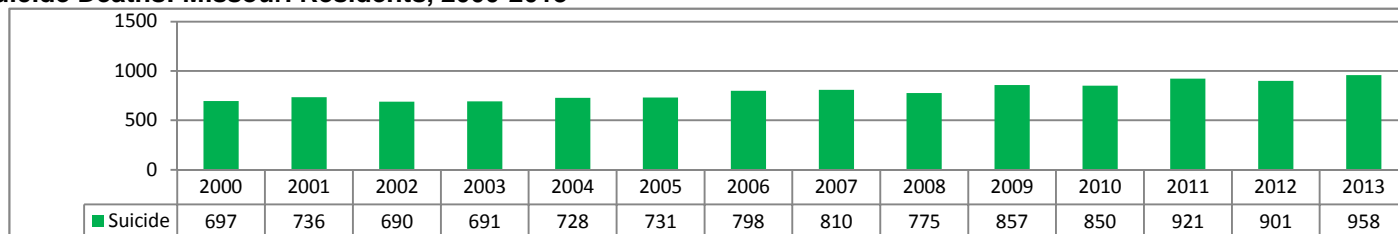
Data Source: Missouri Department of Health and Senior Services, Bureau of Health Informatics.

## SUICIDE, HOMICIDE, AND SUBSTANCE-RELATED DEATHS

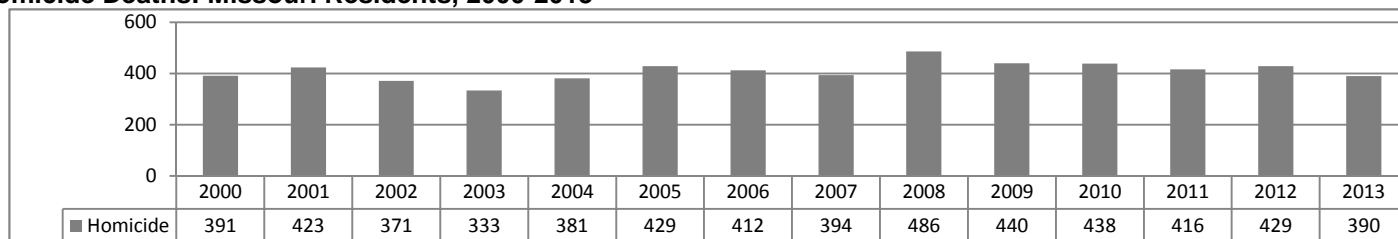
### Missouri Resident Deaths, 2000-2013



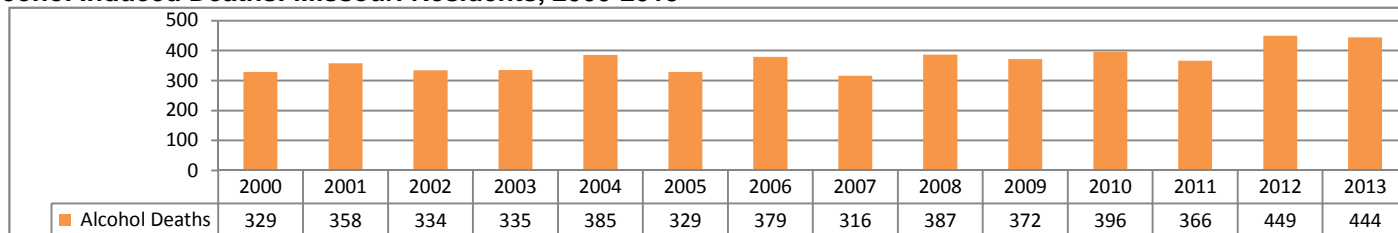
### Suicide Deaths: Missouri Residents, 2000-2013



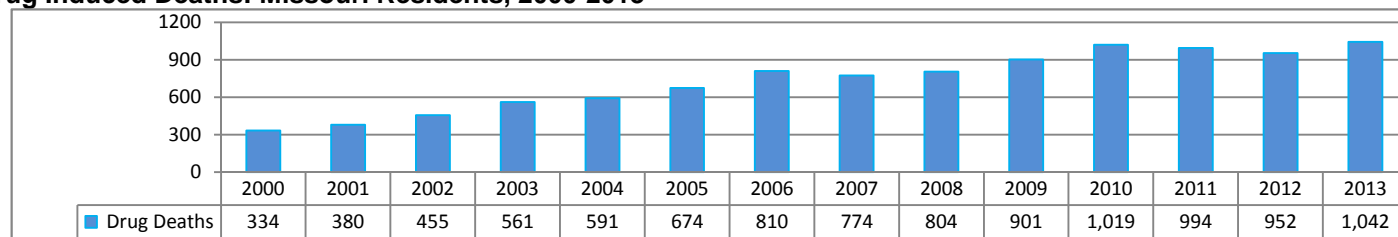
### Homicide Deaths: Missouri Residents, 2000-2013



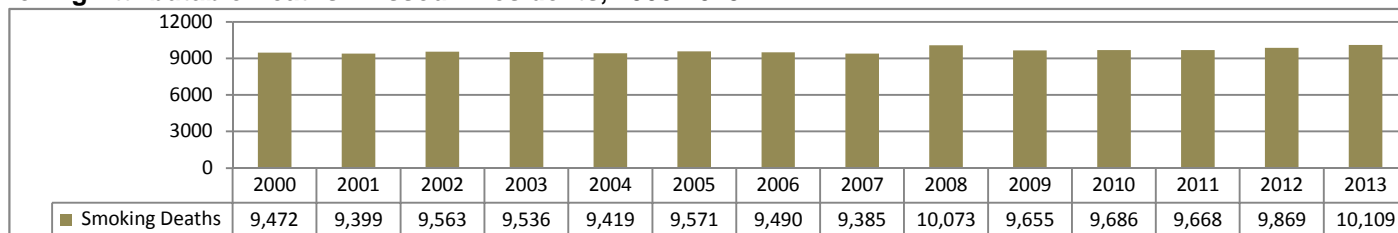
### Alcohol Induced Deaths: Missouri Residents, 2000-2013



### Drug Induced Deaths: Missouri Residents, 2000-2013



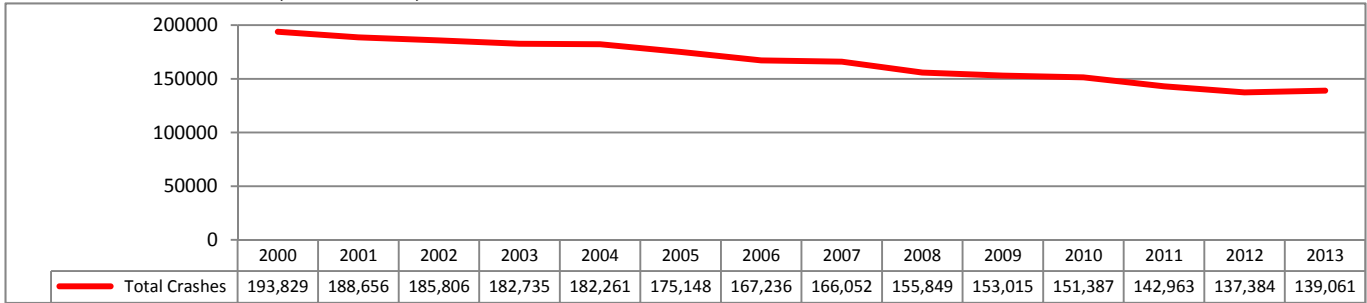
### Smoking Attributable Deaths: Missouri Residents, 2000-2013



Data Source (all charts): Missouri Department of Health and Senior Services.

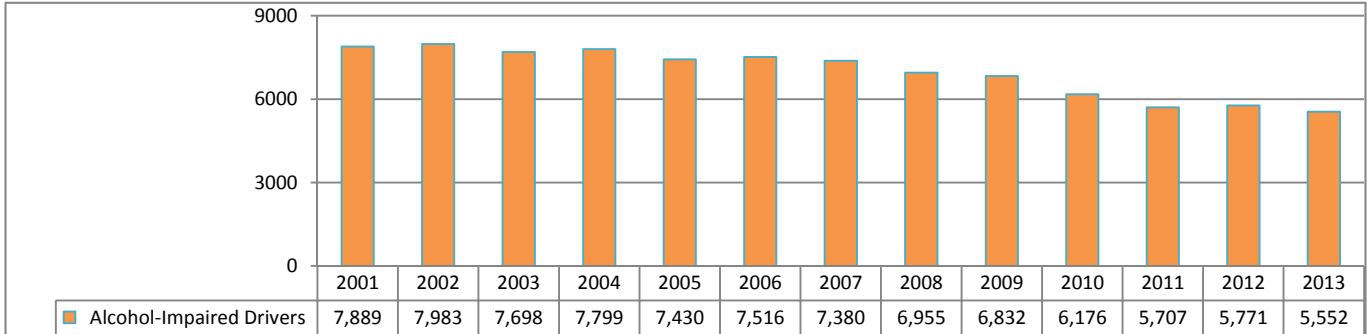
## ALCOHOL INVOLVED TRAFFIC CRASHES

### Traffic Crashes in Missouri, All Causes, 2000-2013



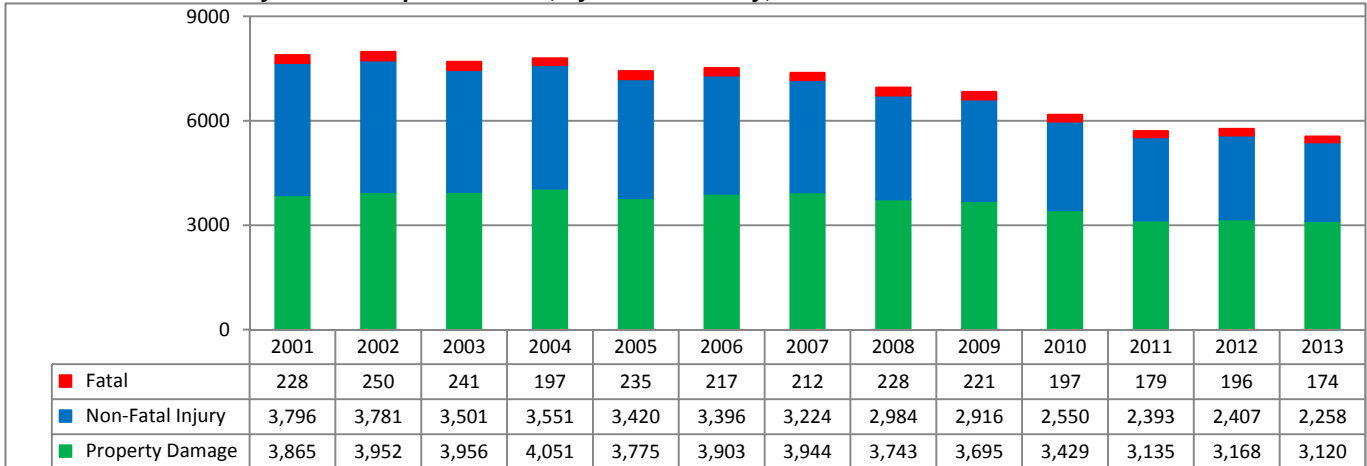
Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Annual Tabulation.

### Alcohol Involved Traffic Crashes, 2001-2013



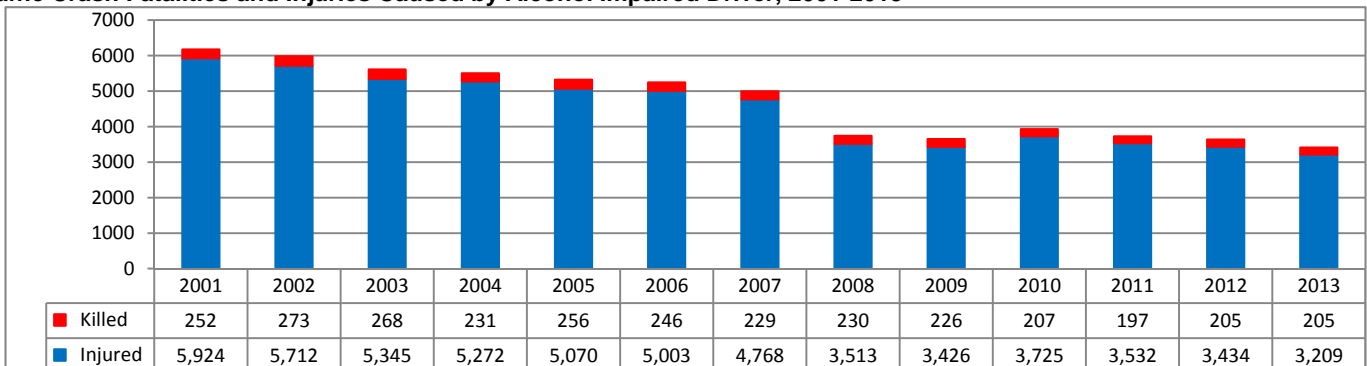
Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Annual Tabulation.

### Traffic Crashes Caused by Alcohol Impaired Driver, by Crash Severity, 2001-2013



Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Annual Tabulation.

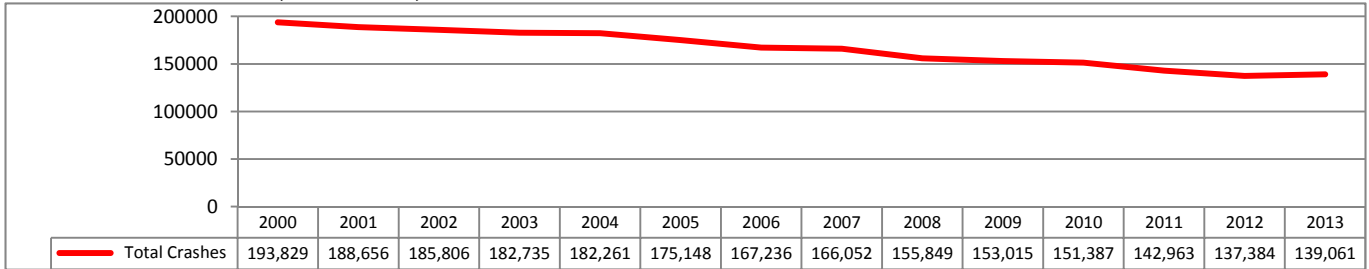
### Traffic Crash Fatalities and Injuries Caused by Alcohol Impaired Driver, 2001-2013



Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Annual Tabulation.

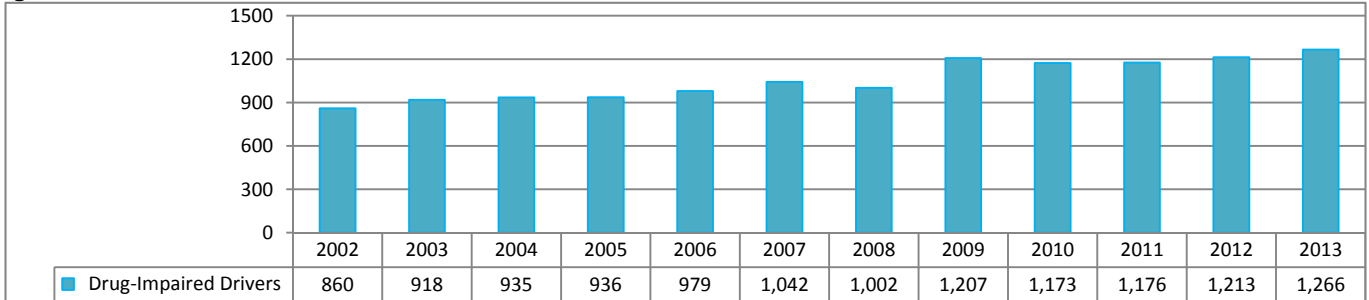
## DRUG INVOLVED TRAFFIC CRASHES

### Traffic Crashes in Missouri, All Causes, 2000-2013



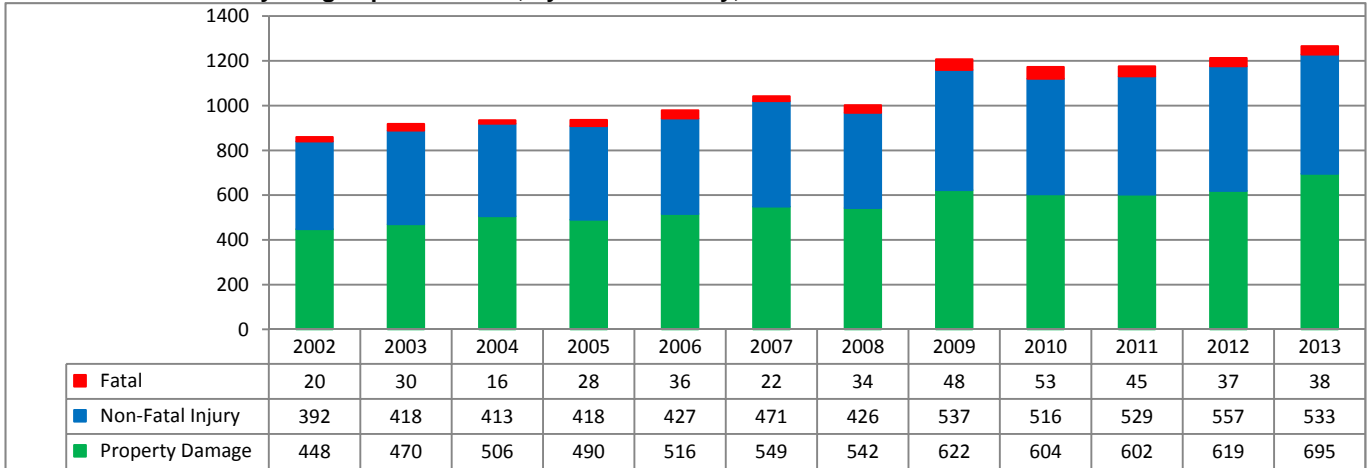
Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center.  
[http://www.mshp.dps.missouri.gov/MSHPWeb/SAC/data\\_and\\_statistics\\_crashes\\_severity.html](http://www.mshp.dps.missouri.gov/MSHPWeb/SAC/data_and_statistics_crashes_severity.html)

### Drug Involved Traffic Crashes, 2002-2013



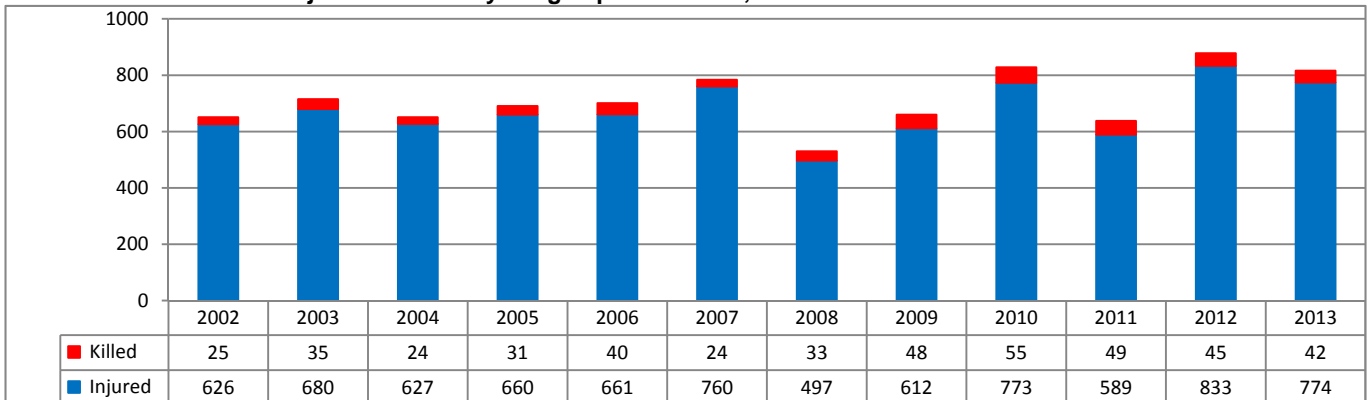
Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center.

### Traffic Crashes Caused by Drug Impaired Driver, by Crash Severity, 2002-2013



Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center.

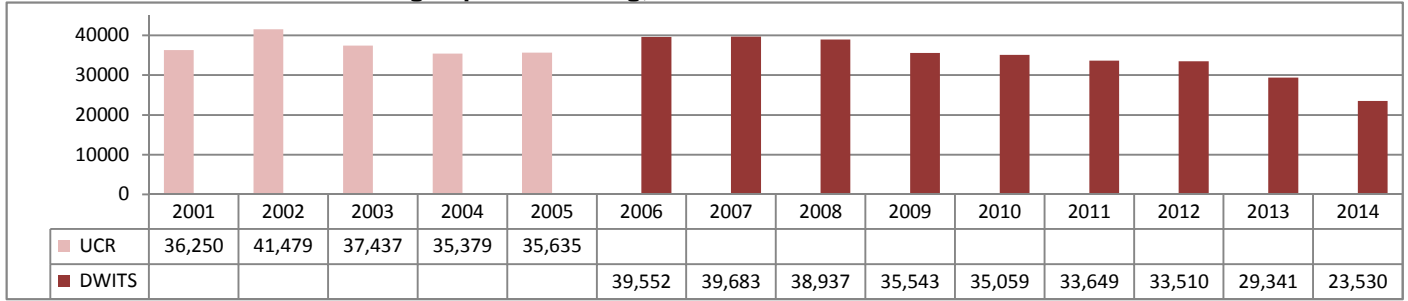
### Traffic Crash Fatalities and Injuries Caused by Drug Impaired Driver, 2002-2013



Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center.

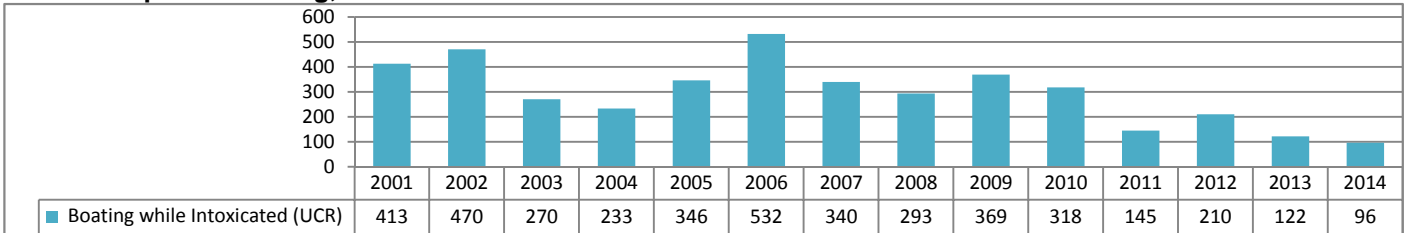
## MISSOURI ALCOHOL AND DRUG ARRESTS

### Arrests for DUI/DWI Alcohol or Drug Impaired Driving, 2001-2014



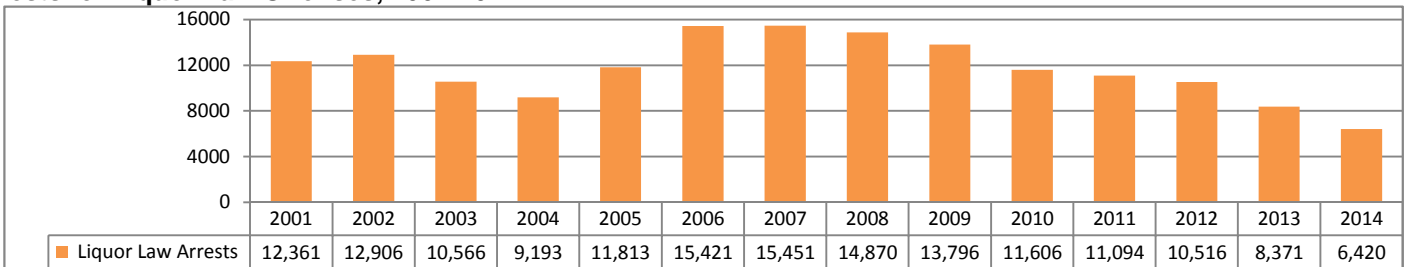
Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Uniform Crime Reports (UCR) 2001-2005 and Missouri DWI Tracking System (DWITS) 2006-2014.

### Arrests for Impaired Boating, 2001-2014



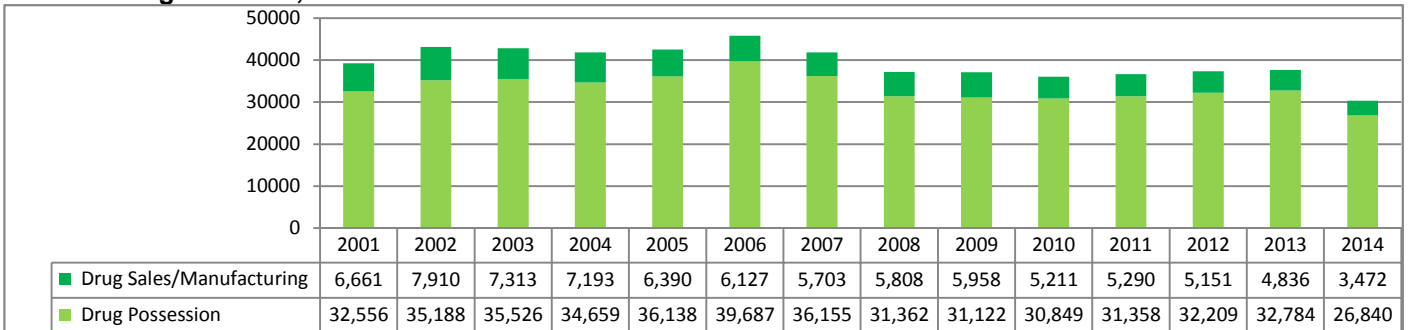
Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Uniform Crime Reports.

### Arrests for Liquor Law Offenses, 2001-2014



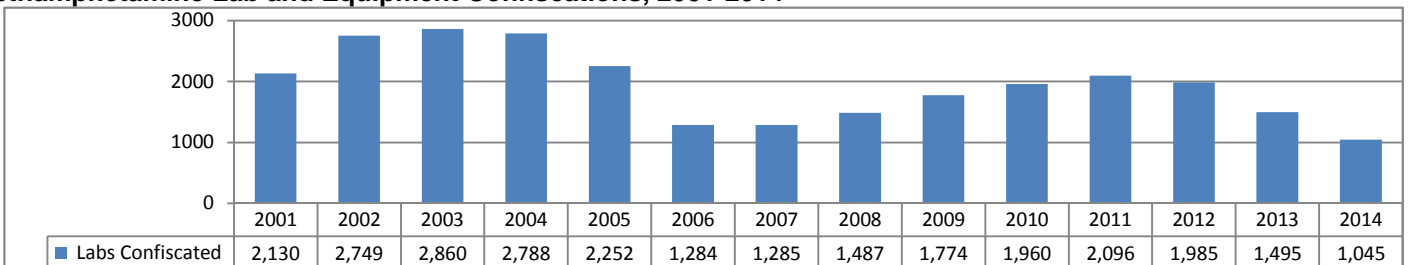
Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Uniform Crime Reports.

### Arrests for Drug Offenses, 2001-2014



Data Source: Missouri Department of Public Safety, Missouri State Highway Patrol, Statistical Analysis Center. Uniform Crime Reports.

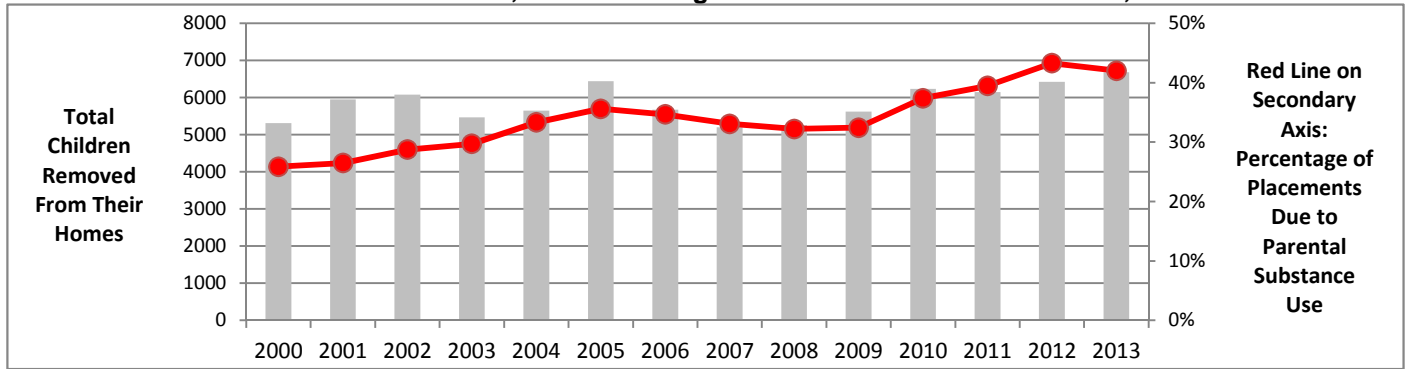
### Methamphetamine Lab and Equipment Confiscations, 2001-2014





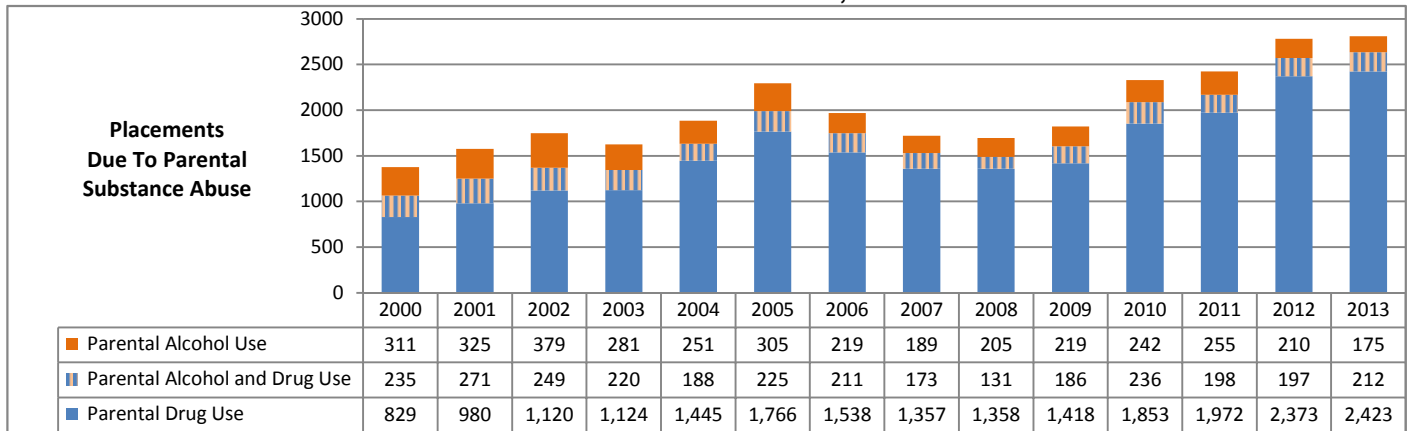
## MISSOURI JUVENILE COURT ENCOUNTERS

### Total Out-of-Home Placements of Children, and Percentage Due to Parental Substance Use, 2000-2013



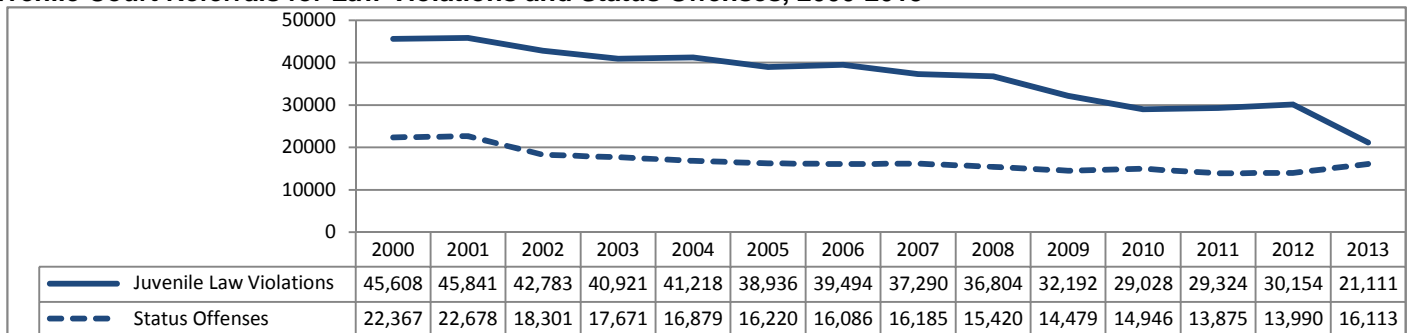
Data Source: Missouri Department of Social Services. Annual special data tabulations. Based on child's most recent removal reason within year.

### Out-of-Home Placements of Children Due to Parental Substance Abuse, 2000-2013



Data Source: Missouri Department of Social Services. Annual special data tabulations. Based on child's most recent removal reason within year.

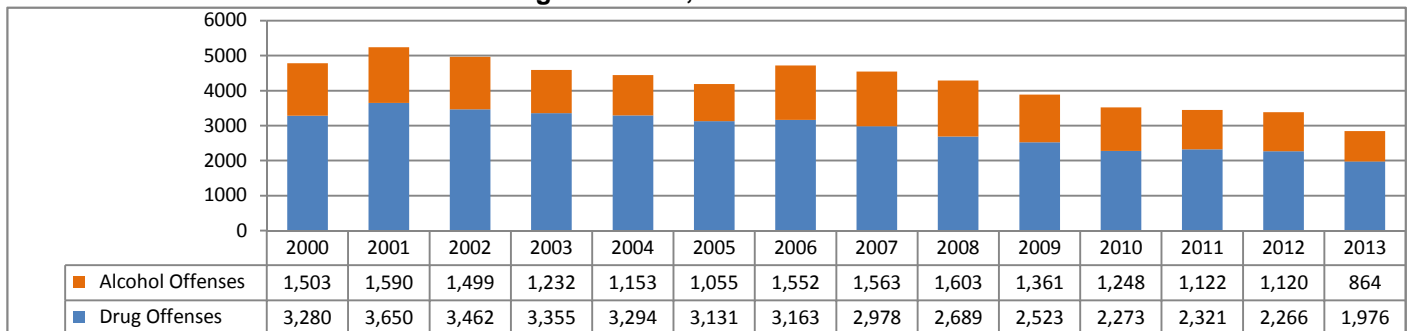
### Juvenile Court Referrals for Law Violations and Status Offenses, 2000-2013



Data Source: Missouri Office of State Courts Administrator (2009-2013); Missouri Department of Social Services (2000-2008).

Beginning in 2013, some juvenile municipal violations and infractions have been reclassified as status offenses.

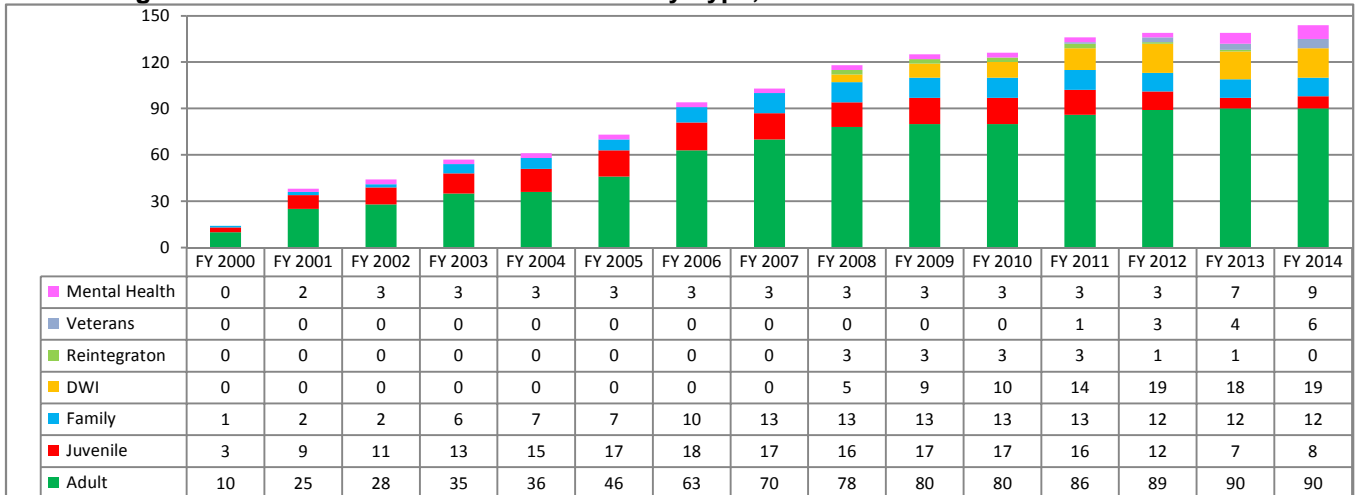
### Juvenile Court Referrals for Alcohol and Drug Violations, 2000-2013



Data Source: Missouri Office of State Courts Administrator (2009-2013); Missouri Department of Social Services (2000-2008).

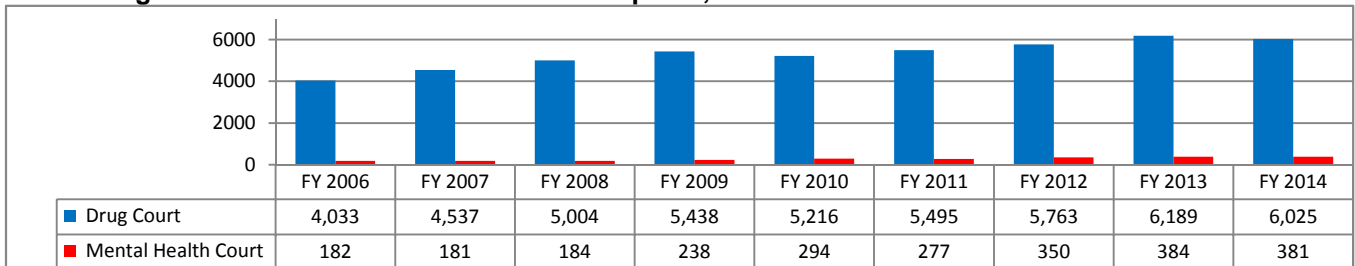
## MISSOURI CRIMINAL JUSTICE SERVICES FOR ALCOHOL AND DRUG OFFENSES

### Missouri Drug Court and Mental Health Court Growth by Type, Fiscal Years 2000-2014



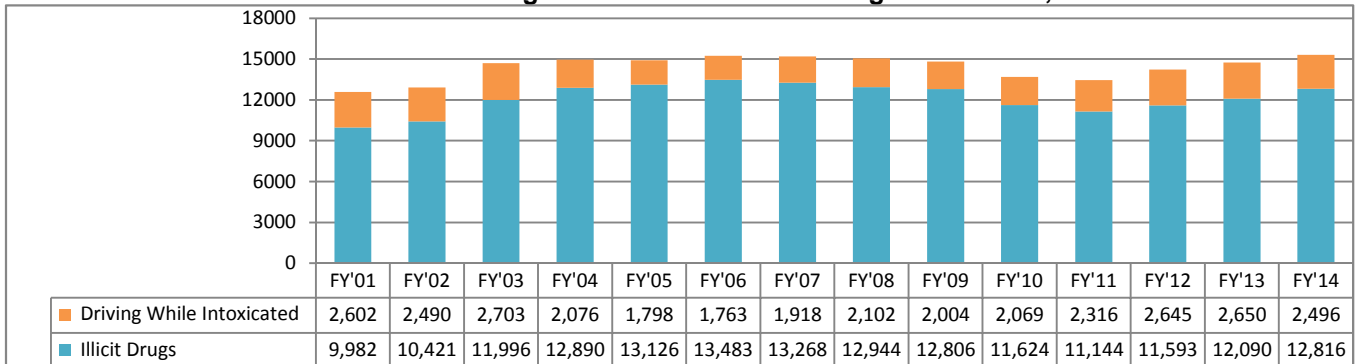
Data Source: Missouri Office of State Courts Administrator.

### Missouri Drug Court and Mental Health Court Participants, Fiscal Years 2006-2014



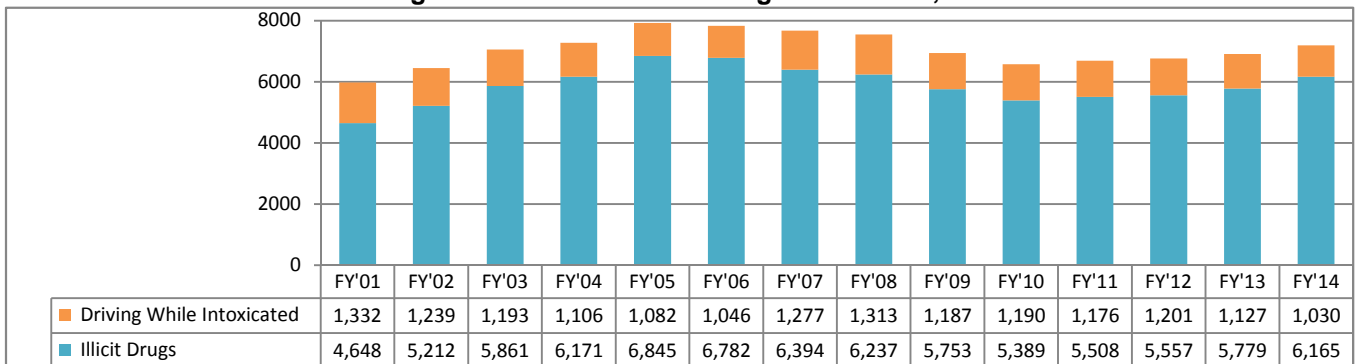
Data Source: Missouri Office of State Courts Administrator.

### Probation and Parole Admissions for Driving while Intoxicated and Drug Convictions, Fiscal Years 2001-2014



Data Source: Missouri Department of Corrections. Annual special data tabulations.

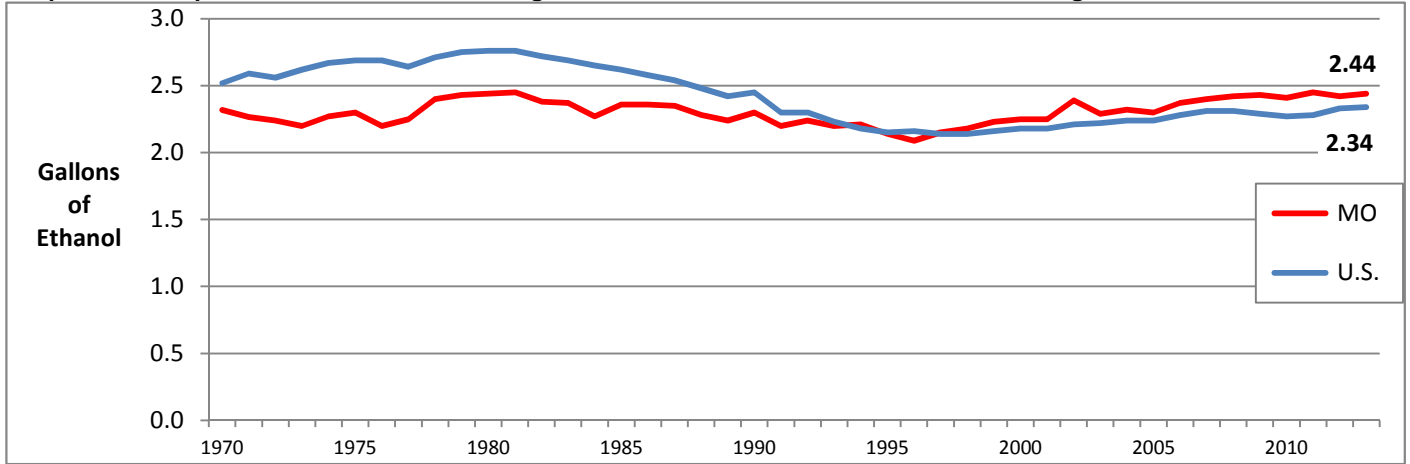
### State Prison Admissions for Driving while Intoxicated and Drug Convictions, Fiscal Years 2001-2014



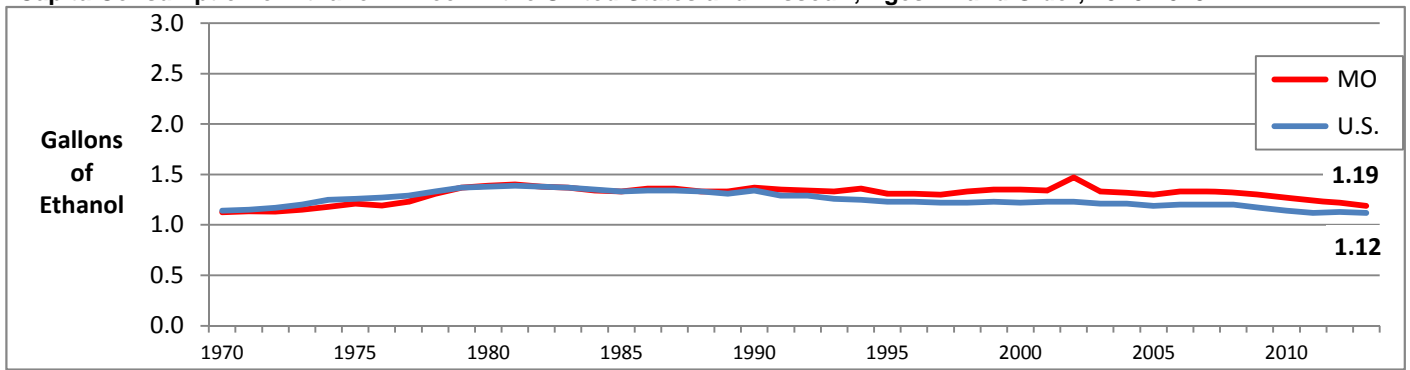
Data Source: Missouri Department of Corrections. Annual special data tabulations.

## ALCOHOL CONSUMPTION

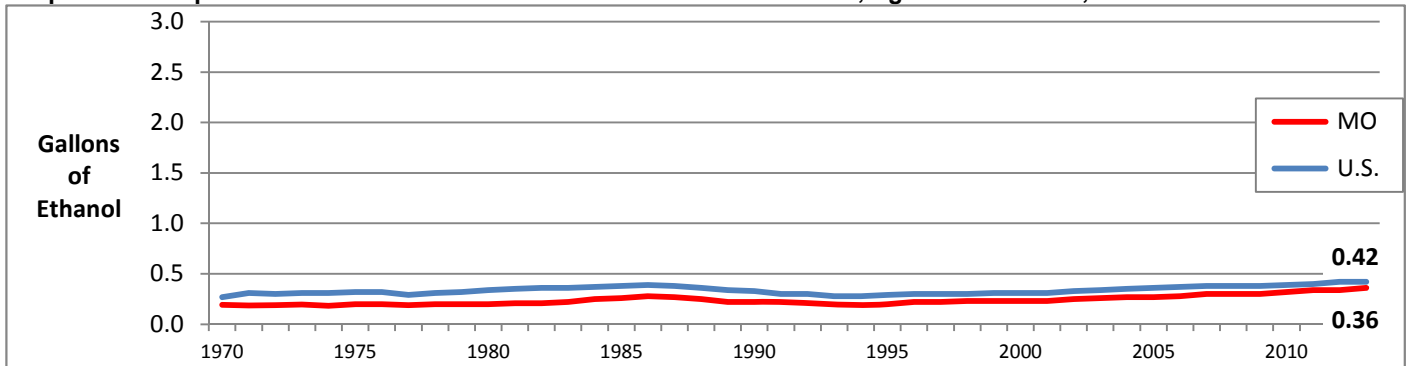
**Per Capita Consumption of Ethanol in All Beverage Alcohol in the United States and Missouri, Ages 14 and Older, 1970-2013**



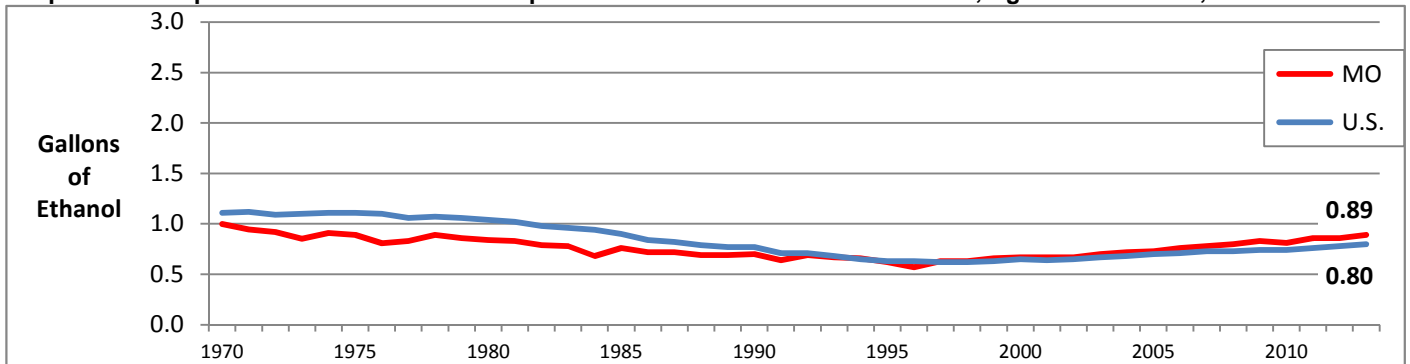
**Per Capita Consumption of Ethanol in Beer in the United States and Missouri, Ages 14 and Older, 1970-2013**



**Per Capita Consumption of Ethanol in Wine in the United States and Missouri, Ages 14 and Older, 1970-2013**



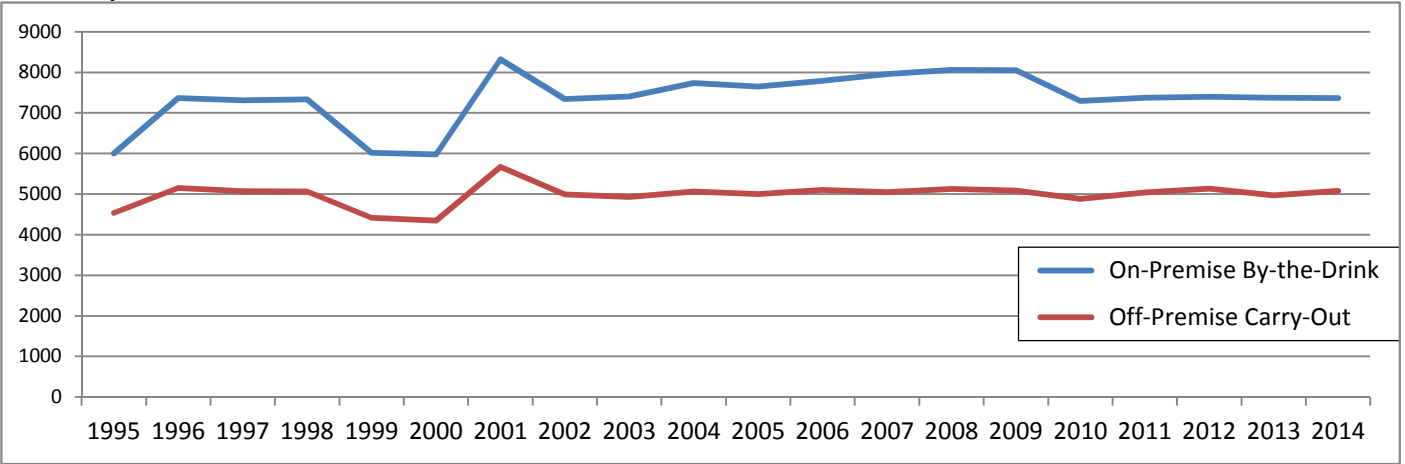
**Per Capita Consumption of Ethanol in Distilled Spirits in the United States and Missouri, Ages 14 and Older, 1970-2013**



Data Source: U.S. Dept. of Health and Human Services, NIAAA. Surveillance Report #102: Apparent Per Capita Alcohol Consumption: National, State, and Regional Trends, 1977-2013 (and prior reports).

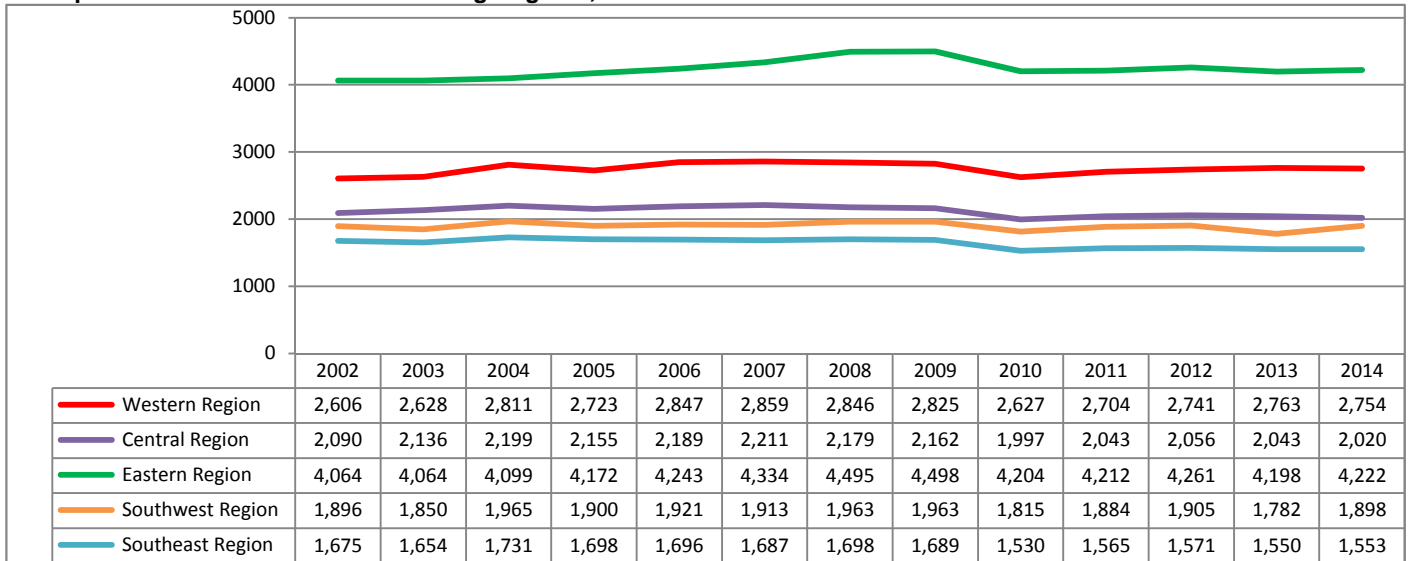
## MISSOURI LIQUOR LICENSES

**Retail Liquor Licenses Issued, 1995-2014**



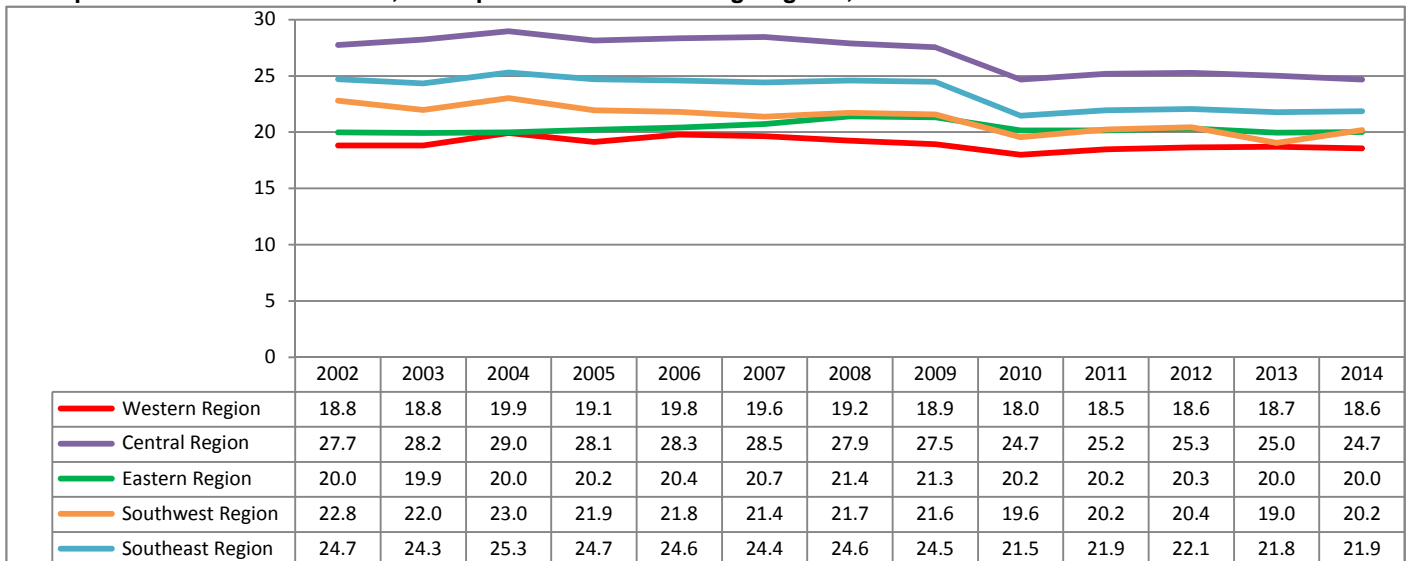
Data Source: Missouri Department of Public Safety, Division of Alcohol and Tobacco Control.

**Retail Liquor Licenses Issued: DBH Planning Regions, 2002-2014**



Data Source: Missouri Department of Public Safety, Division of Alcohol and Tobacco Control.

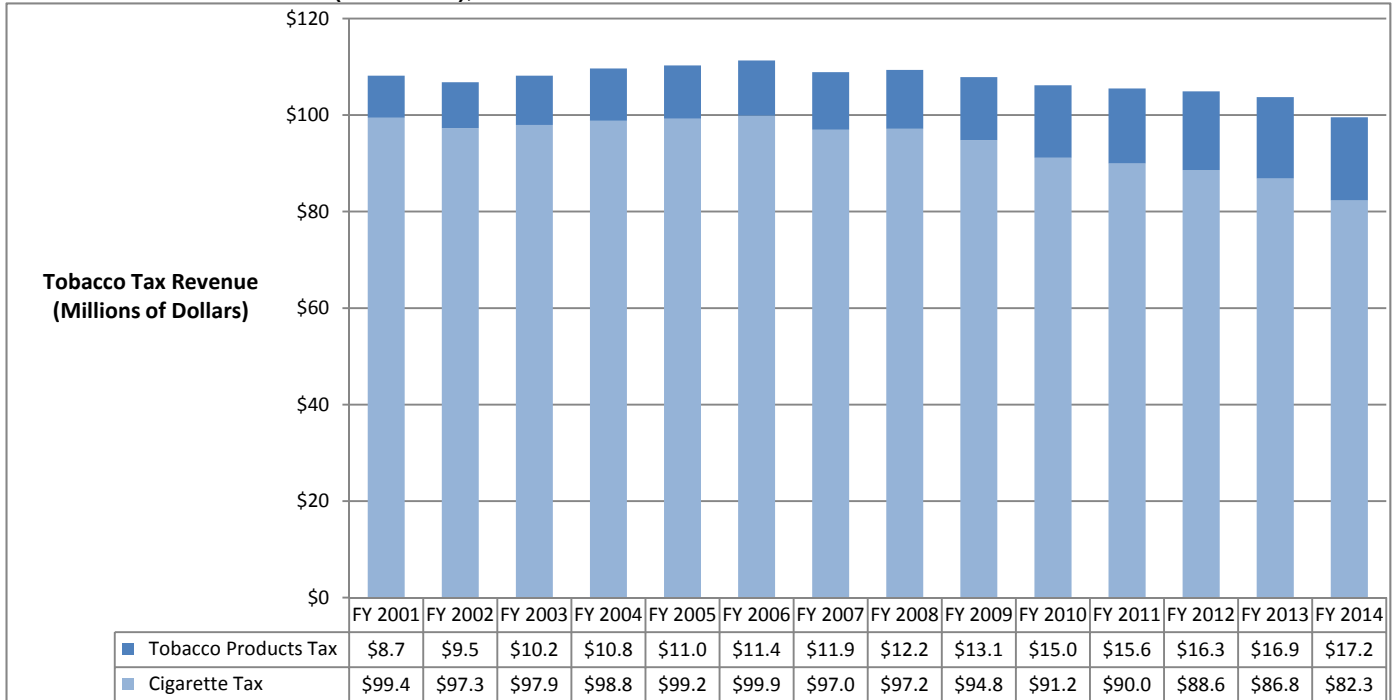
**Retail Liquor Licenses Issued Per 10,000 Population: DBH Planning Regions, 2002-2014**



Data Source: Missouri Department of Public Safety, Division of Alcohol and Tobacco Control.

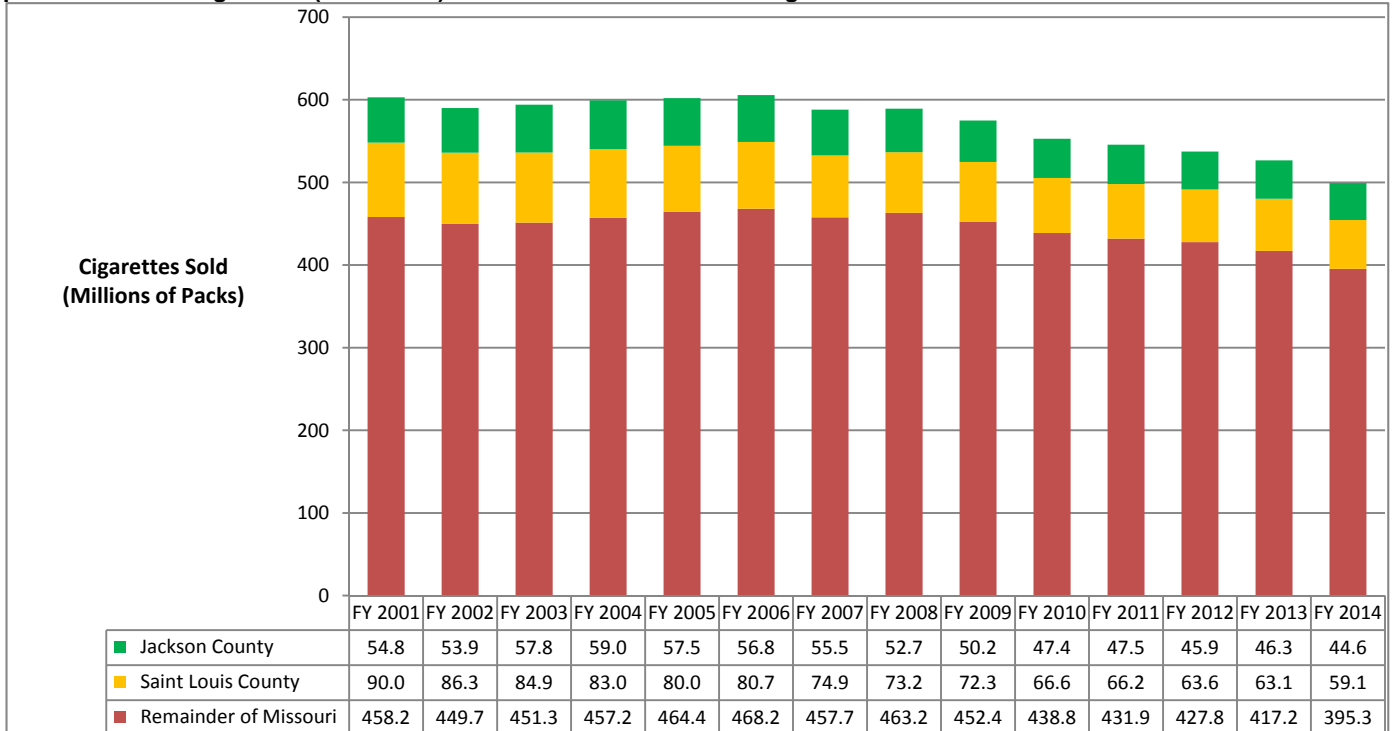
## MISSOURI TOBACCO SALES

**Trend in Tobacco Tax Revenue (in Millions), Fiscal Years 2001-2014**



Data Source: Missouri Department of Revenue. Annual report: "Taxes Administered"

**Apparent Packs of Cigarettes (in Millions) Sold in Missouri Based on Cigarette Tax Revenues: Fiscal Years 2001-2014**



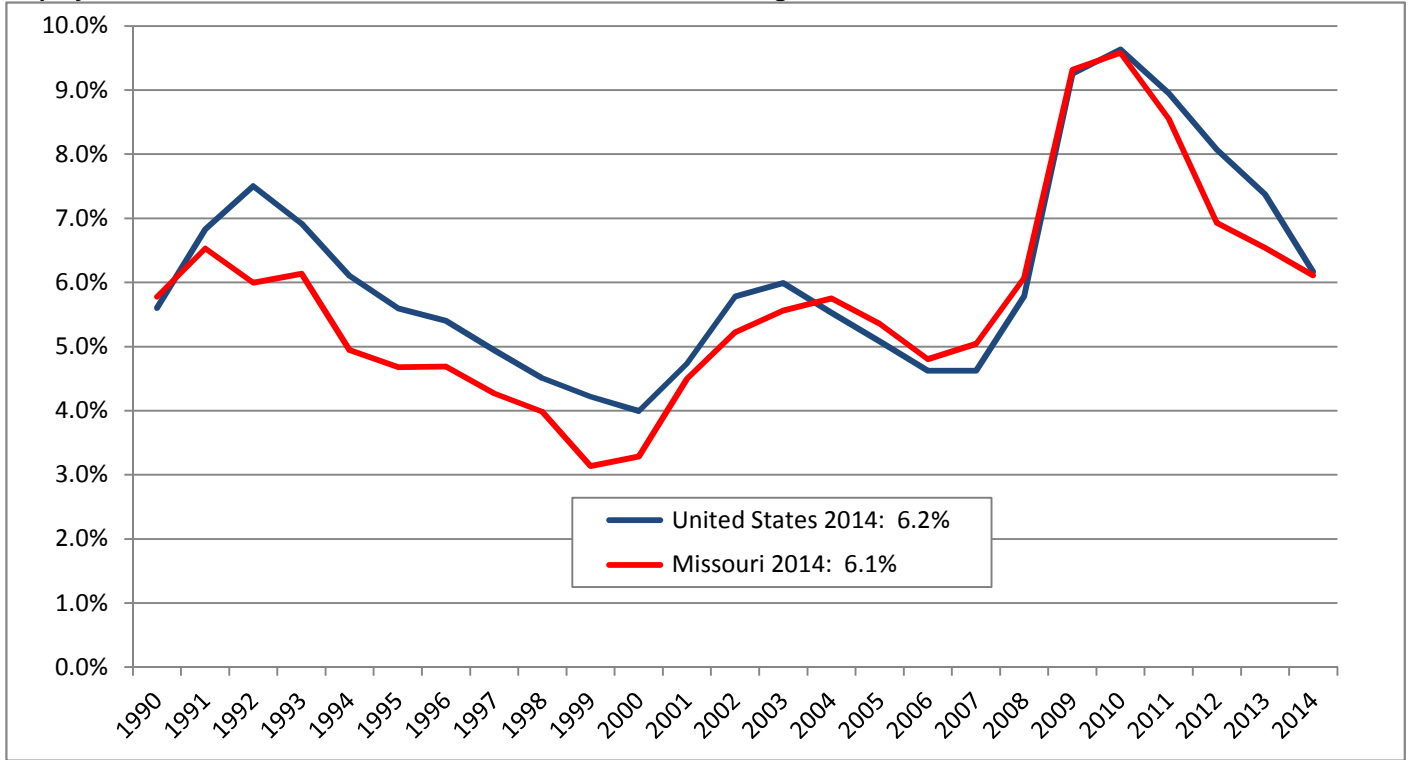
Data Source: Missouri Department of Revenue. Derived from data in "Taxes Administered" annual fiscal report.

Total cigarette sales estimates are based on the cigarette tax portion of tobacco tax receipts.

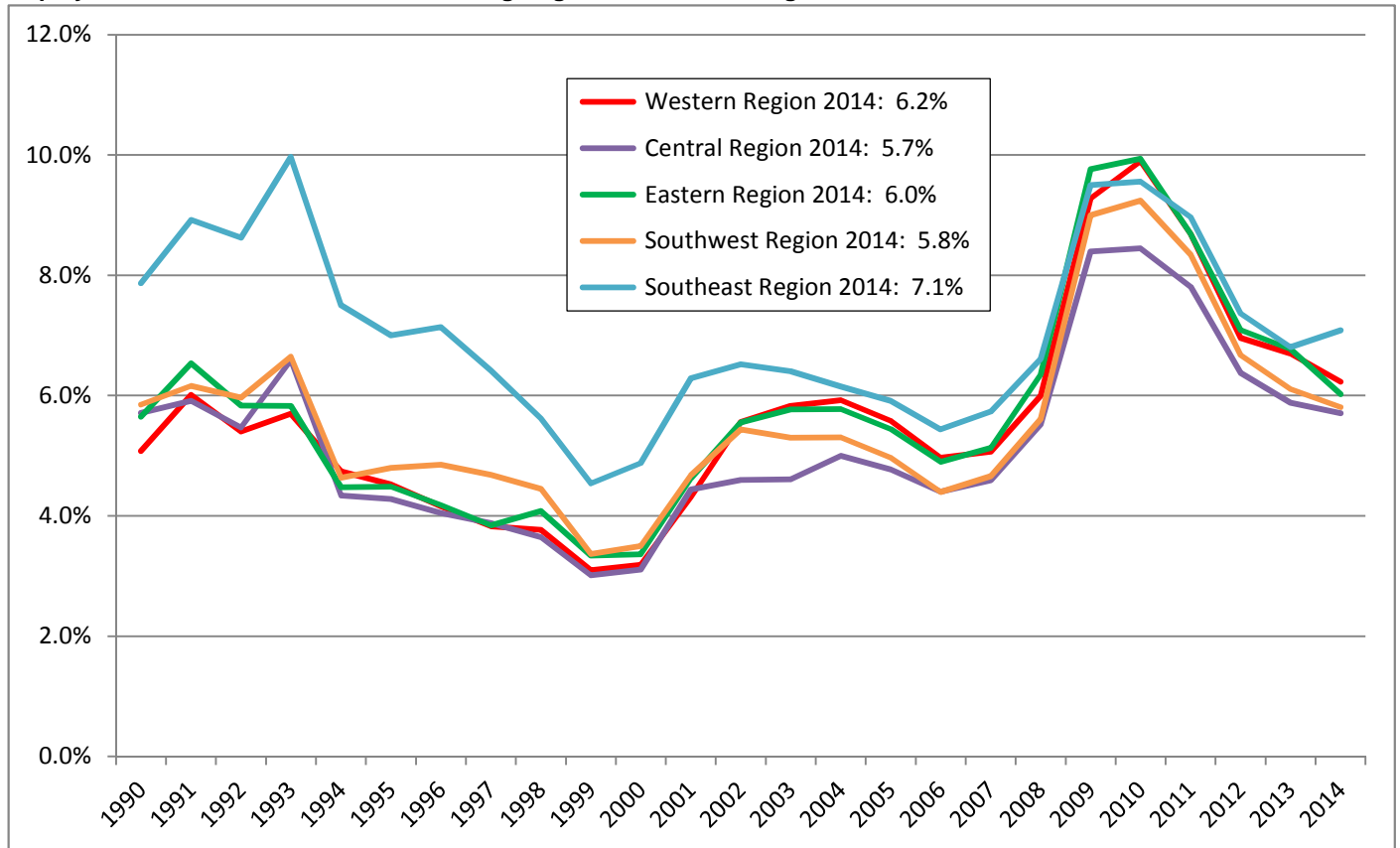
Breakouts for Jackson County and St. Louis County are based on supplemental county cigarette tax receipts.

## MISSOURI UNEMPLOYMENT

**Unemployment Rates in the United States and Missouri: Annual Averages, 1990-2014**



**Unemployment Rates in Missouri DBH Planning Regions: Annual Averages, 1990-2014**



Data Sources: Missouri Dept of Economic Development, Missouri Economic Research and Information Center.  
 Local Area Unemployment Statistics: <http://www.missourieconomy.org/indicators/laus/default.aspx>.  
 U.S. Dept of Labor, Bureau of Labor Statistics. Labor Force Statistics from the Current Population Survey.  
 Table: Employment status of the civilian noninstitutional population, 1941 to date.