

MISSOURI: 2011 POPULATION ESTIMATES BY AGE, GENDER, RACE, AND HISPANIC ORIGIN

Age Group	All Races			White		Black or African American		American Indian or Alaska Native		Asian		Hawaiian or Pacific Islander		Two or More Races	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female

Total

All Ages	6,010,688	2,944,434	3,066,254	2,484,400	2,564,022	334,302	369,652	15,883	15,390	48,646	54,459	3,698	3,624	57,505	59,107
0-4	384,293	196,270	188,023	153,270	146,355	27,578	26,559	1,117	1,062	3,643	3,569	367	396	10,295	10,082
5-9	388,699	198,931	189,768	158,673	150,177	26,815	26,174	1,068	1,020	3,484	3,817	371	339	8,520	8,241
10-14	396,831	202,889	193,942	162,778	154,689	28,454	27,390	1,158	1,151	3,017	3,387	295	344	7,187	6,981
15-19	413,892	212,356	201,536	168,940	159,861	32,175	30,703	1,365	1,244	3,570	3,383	346	310	5,960	6,035
20-24	420,450	211,028	209,422	169,784	168,200	29,958	29,998	1,261	1,196	5,124	4,913	382	362	4,519	4,753
25-29	403,360	201,833	201,527	168,165	164,788	24,034	26,361	1,116	1,094	4,751	5,239	402	365	3,365	3,680
30-34	384,356	192,147	192,209	160,807	157,351	22,347	25,225	1,114	1,024	4,536	5,065	351	312	2,992	3,232
35-39	354,174	176,073	178,101	147,237	145,611	20,456	23,676	1,051	967	4,543	4,994	291	276	2,495	2,577
40-44	381,325	189,241	192,084	160,830	159,989	20,951	24,032	1,116	1,074	3,939	4,361	245	218	2,160	2,410
45-49	425,748	210,763	214,985	181,596	182,583	22,519	25,282	1,229	1,184	3,072	3,475	184	190	2,163	2,271
50-54	449,211	220,783	228,428	192,090	195,736	22,754	25,975	1,264	1,245	2,347	2,921	166	175	2,162	2,376
55-59	401,084	194,310	206,774	171,126	178,934	18,290	21,885	1,019	1,118	1,875	2,784	126	130	1,874	1,923
60-64	352,613	168,495	184,118	151,064	161,764	13,579	17,594	770	776	1,648	2,441	68	85	1,366	1,458
65-69	261,825	123,508	138,317	111,714	123,203	9,103	12,033	494	471	1,210	1,565	42	45	945	1,000
70-74	199,479	91,646	107,833	83,458	96,464	6,210	9,193	355	318	934	1,067	37	26	652	765
75-79	156,364	68,544	87,820	63,020	79,028	4,397	7,295	206	204	494	722	14	24	413	547
80-84	119,385	47,905	71,480	44,523	65,284	2,722	5,185	111	134	283	482	5	13	261	382
85+	117,599	37,712	79,887	35,325	74,005	1,960	5,092	69	108	176	274	6	14	176	394

Non-Hispanic

All Ages	5,789,533	2,829,275	2,960,258	2,385,395	2,473,560	328,640	363,960	12,326	12,229	47,625	53,560	2,943	2,978	52,346	53,971
0-4	357,451	182,591	174,860	142,028	135,505	26,750	25,743	728	761	3,527	3,455	264	303	9,294	9,093
5-9	364,135	186,432	177,703	148,121	139,990	26,166	25,556	724	680	3,394	3,734	274	255	7,753	7,488
10-14	376,159	192,193	183,966	153,677	146,404	27,939	26,786	869	839	2,926	3,316	234	271	6,548	6,350
15-19	393,860	201,968	191,892	160,149	151,687	31,603	30,166	1,039	947	3,474	3,307	273	253	5,430	5,532
20-24	400,373	200,045	200,328	160,399	160,552	29,361	29,428	909	908	5,020	4,828	293	312	4,063	4,300
25-29	383,525	191,034	192,491	158,799	157,011	23,483	25,876	799	829	4,659	5,160	307	312	2,987	3,303
30-34	365,951	182,204	183,747	152,248	150,126	21,846	24,732	782	764	4,420	4,993	292	253	2,616	2,879
35-39	338,145	167,622	170,523	139,790	139,075	20,118	23,302	777	724	4,471	4,900	243	214	2,223	2,308
40-44	368,002	182,194	185,808	154,630	154,488	20,685	23,757	859	864	3,872	4,300	196	184	1,952	2,215
45-49	414,315	204,863	209,452	176,392	177,731	22,257	25,026	1,021	997	3,030	3,438	153	162	2,010	2,098
50-54	439,969	215,991	223,978	187,869	191,886	22,556	25,770	1,097	1,073	2,298	2,887	145	149	2,026	2,213
55-59	394,416	190,883	203,533	168,079	176,106	18,155	21,723	893	989	1,845	2,755	116	119	1,795	1,841
60-64	347,735	166,101	181,634	148,926	159,530	13,482	17,498	702	712	1,629	2,421	60	78	1,302	1,395
65-69	258,712	121,958	136,754	110,329	121,821	9,037	11,957	447	433	1,197	1,552	39	40	909	951
70-74	197,258	90,630	106,628	82,550	95,362	6,180	9,159	322	294	923	1,052	31	24	624	737
75-79	154,750	67,826	86,924	62,366	78,206	4,365	7,260	195	190	489	715	13	23	398	530
80-84	118,199	47,416	70,783	44,078	64,652	2,703	5,157	102	124	278	476	5	12	250	362
85+	116,578	37,324	79,254	34,965	73,428	1,954	5,064	61	101	173	271	5	14	166	376

Hispanic

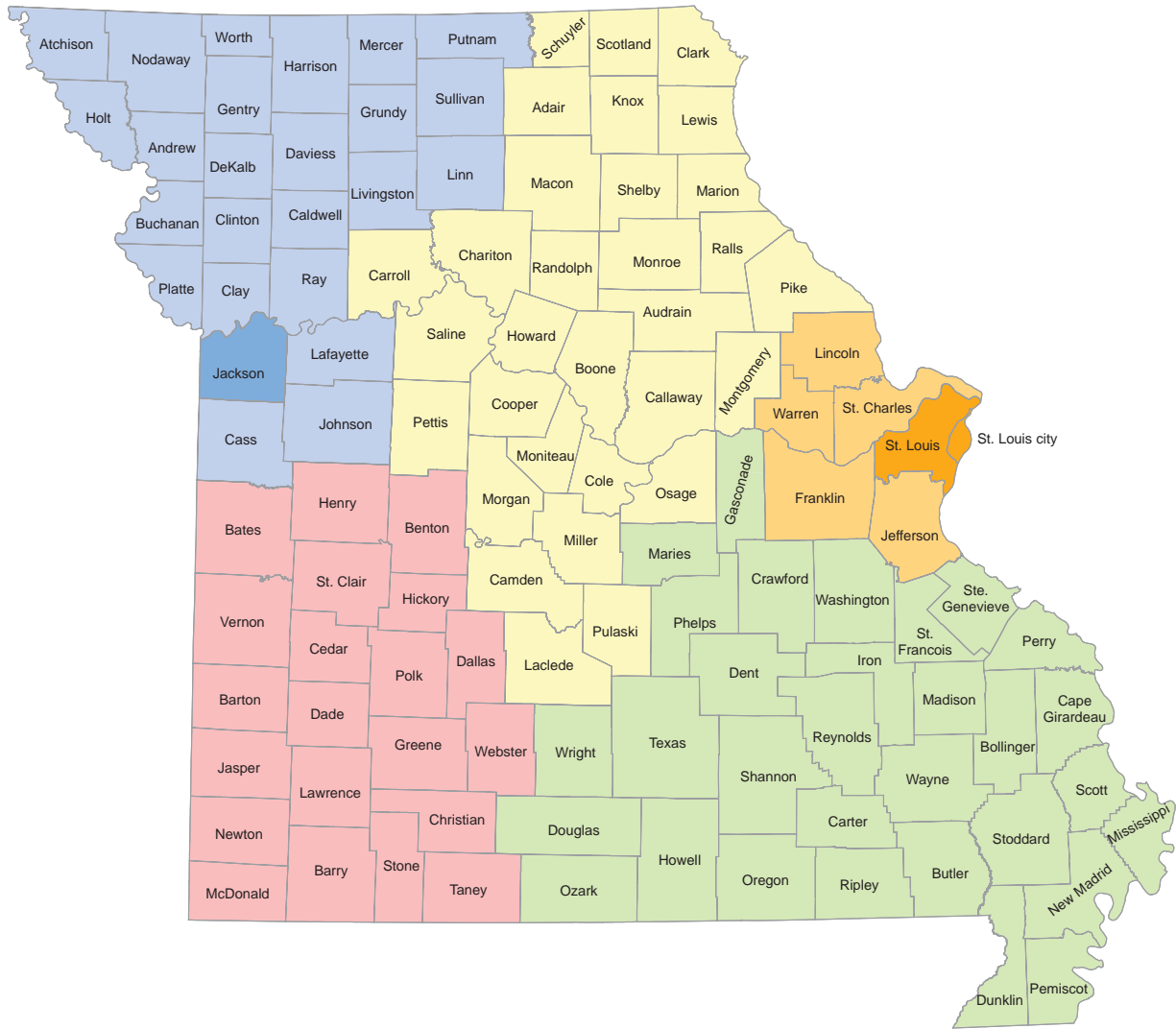
All Ages	221,155	115,159	105,996	99,005	90,462	5,662	5,692	3,557	3,161	1,021	899	755	646	5,159	5,136
0-4	26,842	13,679	13,163	11,242	10,850	828	816	389	301	116	114	103	93	1,001	989
5-9	24,564	12,499	12,065	10,552	10,187	649	618	344	340	90	83	97	84	767	753
10-14	20,672	10,696	9,976	9,101	8,285	515	604	289	312	91	71	61	73	639	631
15-19	20,032	10,388	9,644	8,791	8,174	572	537	326	297	96	76	73	57	530	503
20-24	20,077	10,983	9,094	9,385	7,648	597	570	352	288	104	85	89	50	456	453
25-29	19,835	10,799	9,036	9,366	7,777	551	485	317	265	92	79	95	53	378	377
30-34	18,405	9,943	8,462	8,559	7,225	501	493	332	260	116	72	59	59	376	353
35-39	16,029	8,451	7,578	7,447	6,536	338	374	274	243	72	94	48	62	272	269
40-44	13,323	7,047	6,276	6,200	5,501	266	275	257	210	67	61	49	34	208	195
45-49	11,433	5,900	5,533	5,204	4,852	262	256	208	187	42	37	31	28	153	173
50-54	9,242	4,792	4,450	4,221	3,850	198	205	167	172	49	34	21	26	136	163
55-59	6,668	3,427	3,241	3,047	2,828	135	162	126	129	30	29	10	11	79	82
60-64	4,878	2,394	2,484	2,138	2,234	97	96	68	64	19	20	8	7	64	63
65-69	3,113	1,550	1,563	1,385	1,382	66	76	47	38	13	13	3	5	36	49
70-74	2,221	1,016	1,205	908	1,102	30	34	33	24	11	15	6	2	28	28
75-79	1,614	718	896	654	822	32	35	11	14	5	7	1	1	15	17
80-84	1,186	489	697	445	632	19	28	9	10	5	6	0	1	11	20
85+	1,021	388	633	360	577	6	28	8	7	3	3	1	0	10	18



MISSOURI DEPARTMENT OF MENTAL HEALTH

Divisions of Alcohol and Drug Abuse
and Comprehensive Psychiatric Services

NATIONAL SURVEY ON DRUG USE AND HEALTH Sampling Areas for Missouri Substate Estimates



Legend

- Northwest Service Areas 1, 6, 7, 13
- Northwest Service Area JC
- Central Service Areas 11, 12, 14, 15
- Eastern Service Areas 16, 22
- Eastern Service Area SL
- Southwest Service Areas 8, 9, 10
- Southeast Service Areas 17, 18, 19, 20, 21



MISSOURI DEPARTMENT OF MENTAL HEALTH DIVISION OF ALCOHOL AND DRUG ABUSE REGIONS AND SERVICE AREAS



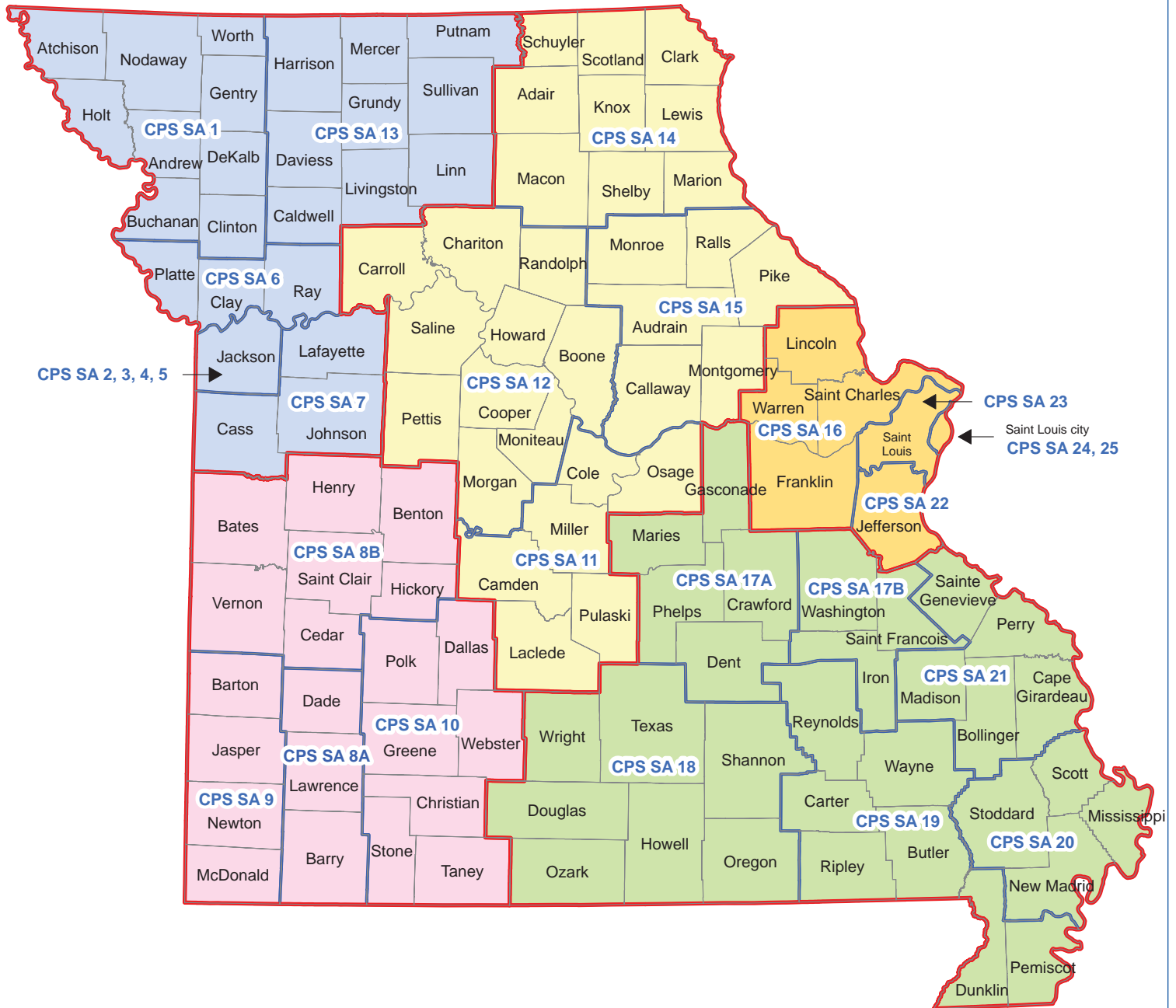
MAP LEGEND

Map created: MARCH 2, 2012
 Source:
 ArcGIS\ADA\Smith\ADA_region_maps\ADAregSA.mxd
 Maps website:
<http://dmh.mo.gov/ada/resourcemapsinfo.htm>

- | | |
|---|--|
| — ADA/CPS REGION BOUNDARIES | WESTERN REGION |
| — ADA SERVICE AREA BOUNDARIES | CENTRAL REGION |
| COUNTY BOUNDARIES | EASTERN REGION |
| | SOUTHWEST REGION |
| | SOUTHEAST REGION |



**MISSOURI DEPARTMENT OF MENTAL HEALTH
DIVISION OF COMPREHENSIVE PSYCHIATRIC SERVICES
REGIONS AND ADULT SERVICE AREAS**



MAP LEGEND

Map created: NOVEMBER 14, 2012

Source: ArcGIS\Smith\CPSRegionSA.mxd

Maps website: <http://dmh.mo.gov/ada/resourcemapsinfo.htm>

- ADA/CPS REGION BOUNDARY
- CPS SERVICE AREA BOUNDARY
- CPS SA CPS SERVICE AREA NAME
- COUNTY BOUNDARY
- WESTERN REGION
- CENTRAL REGION
- EASTERN REGION
- SOUTHWEST REGION
- SOUTHEAST REGION

About the Surveys: An Overview

Survey data represent a valuable source of information on prevalence estimates, use and behavior patterns, drug preferences, and emerging trends. Survey data, however, are not without limitations. No single survey exists which covers all populations abusing substances. Substance abuse surveys typically fall into the following categories: 1) household surveys, 2) criminal justice surveys, and 3) school surveys. These surveys can miss segments of the population that have been impacted by substance abuse including the incarcerated, the homeless, and school dropouts. The survey data are self-reported and have inherent validity concerns due to respondent dishonesty, forgetfulness, or poor comprehension. Assessments of validity have been mixed. Research suggests that validity concerns are more evident for the criminal justice population and for reporting use of some drugs such as cocaine and heroin that may have an associated stigma. Nevertheless, collection of alcohol and drug use data via surveys provides useful information on large diverse populations that would not otherwise be available. Characteristics and highlights of the following survey data sources are provided:

[Missouri Student Survey \(MSS\)](#)

[Missouri College Health Behavior Survey \(MCHBS\)](#)

[National Survey on Drug Use and Health \(NSDUH\)](#)

[Youth Risk Behavior Surveillance System \(YRBSS\)](#)

[Behavioral Risk Factor Surveillance System \(BRFSS\)](#)

[Monitoring the Future \(MTF\)](#)

Missouri Student Survey (MSS)

- **Conducted by:** Missouri Department of Mental Health (DMH)
- **Established:** 2000
- **Frequency of Reporting:** Even-numbered years
- **Type of survey:** School
- **Mode of survey:** Web-based
- **Grade levels:** Grades 6-12 but most concentrated on grade 9
- **Completed surveys:** 108,526, with final adjusted sample of 98,140
- **Level of reporting:** Missouri and Missouri counties
- **Some strengths:** MSS is offered to all Missouri public school districts. MSS includes the younger middle school population in addition to the high school population. MSS also captures data on risk and protective factors and mental health issues in addition to substance use behaviors. 2010 and 2012 data are weighted by county population estimates for age groups 10-14 and 15-19, gender, race and Hispanic origin.
- **Some limitations:** Some school districts opt out of the survey, so county-level data are not available for non-participation counties. Data are not publicly available for counties that contain only one school district, including the City of Saint Louis. Data are only available every other year, and data prior to 2010 are un-weighted.
- **Other notes:** MSS combines ecstasy with other club drugs which is different than NSDUH.
- **Website:** <http://dmh.mo.gov/ada/rpts/survey.htm>

Missouri College Health Behavior Survey (MCHBS)

- **Conducted by:** Missouri Partners in Prevention
- **Established:** 2007 to replace annual Core Alcohol and Drug Survey
- **Frequency of Reporting:** Annual
- **Type of survey:** School/Higher Education
- **Mode of survey:** On-line survey using stratified random samples of student email addresses
- **Grade levels:** Undergraduate students at 21 Missouri higher education institutions
- **Completed interviews:** Varies by campus
- **Level of reporting:** Campus level
- **Some strengths:** The MCHBS measures attitudes, perceptions, and opinions about use of alcohol and drugs in addition to use and consequences of use. Other behaviors surveyed include gambling, safe driving, mental health issues, and tobacco use. Key items have been validity tested against the Core Alcohol and Drug Survey with comparable results.
- **Some limitations:** MCHBS is not a national survey.
- **Website:** <http://pip.missouri.edu>

National Survey on Drug Use and Health (NSDUH)

- **Conducted by:** Substance Abuse and Mental Health Services Administration (SAMHSA)
- **Established:** 1971, originally titled National Household Survey on Drug Abuse
- **Frequency of Reporting:** Annual
- **Type of survey:** Household survey of civilian non-institutionalized population
- **Mode of survey:** Face-to-face interview
- **Age groups:** Ages 12 or older
- **Completed interviews:** 70,109 nationwide and about 900 in Missouri for 2011 survey year.
- **Level of reporting:** National but can also obtain state and sub-state planning regions by combining multiple survey years
- **Some strengths:** NSDUH allows for year-to-year comparisons for national data and a rolling multi-year comparison for state and sub-state data. In addition to substance use data, NSDUH provides data on past year alcohol or illicit drug dependence or abuse.
- **Some limitations:** NSDUH interviews household residents only, and the survey estimates are based on these populations. Not represented in the surveys are prison and jail inmates, other institutionalized individuals, and the homeless. Limited drug and demographic data are available at the state level because of the small sample size. NSDUH does not separate out smokeless tobacco and chewing tobacco. Age categories generally limited to 12-17, 18-25, and 26 and older.
- **Other notes:** NSDUH definitions of binge drinking and heavy drinking do not depend on gender and therefore differ from those of the Behavioral Risk Factor Survey (BRFS).
- **Website:** <http://www.samhsa.gov/data/NSDUH.aspx>

Youth Risk Behavior Surveillance System (YRBSS)

- **Conducted by:** Centers for Disease Control
- **Established:** 1991
- **Frequency of Reporting:** Every odd-numbered year
- **Type of survey:** School
- **Mode of survey:** Paper questionnaire
- **Grade levels:** 9 through 12
- **Completed and usable questionnaires:** 15,425 nationwide in 2011
- **Level of reporting:** National and State
- **Some strengths:** YRBSS target population includes all public, Catholic, and other private school students in grades 9-12. Survey has questions on alcohol, tobacco, and drugs including lifetime steroid and IV drug use.
- **Some limitations:** Some states do not participate in the YRBSS—three in 2011. Some states, including Missouri in 2011, participate but do not have data available for every survey year due to small sample size. YRBSS does not capture data on home-schooled children. Questions on past 30-day use are limited to alcohol, tobacco, marijuana, and cocaine. Data are only available every other year.

- **Other notes:** YRBSS definition of binge drinking similar to that of the National Survey on Drug Use and Health (NSDUH).
- **Website:** <http://www.cdc.gov/HealthyYouth/yrbs/index.htm>

Behavioral Risk Factor Surveillance System (BRFSS)

- **Conducted by:** Centers for Disease Control (CDC) in partnership with state health departments
- **Established:** 1984
- **Frequency of Reporting:** Annual
- **Type of survey:** Household
- **Mode of survey:** Telephone interview
- **Age groups:** Ages 18 or older
- **Completed interviews:** Annually about 350,000 nationwide including 6,000 in Missouri in 2011.
- **Level of reporting:** National, state, and Missouri Department of Health and Senior Services planning regions
- **Some strengths:** BRFSS includes data on adult consumption of alcohol and use of tobacco. BRFSS has a relatively large sample size. The survey allows for year-to-year comparisons.
- **Some limitations:** BRFSS does not include data on drug use nor does it include adolescents in its target population.
- **Other notes:** BRFSS definitions of binge drinkers and heavy drinkers differ from that of the National Survey on Drug Use and Health (NSDUH); BRFSS binge drinking definitions are gender-specific.
- **Website:** <http://www.cdc.gov/brfss>

Monitoring the Future (MTF)

- **Conducted by:** National Institute on Drug Abuse (NIDA)
- **Established:** 1975
- **Frequency of Reporting:** Annual
- **Type of survey:** School
- **Mode of survey:** Paper questionnaire
- **Grade levels:** 8, 10, 12; college students; young adults
- **Completed questionnaires:** About 50,000 students in 420 public and private secondary schools nationwide
- **Level of reporting:** National
- **Some strengths:** MTF provides data on lifetime, past year, and past 30 day use of various illicit drugs. Questions regarding prescription drug use including use of OxyContin, Vicodin, and Ritalin have been added in recent years. MTF also captures data on perception of harm and disapproval.
- **Some limitations:** MTF does not provide state level data.
- **Other notes:**
- **Website:** <http://www.monitoringthefuture.org>