

Maryland Compendium of Cross County Indicators on the Consequences and Consumption of Alcohol, Illicit Drugs, and Tobacco

July 2007



A partnership between



and



The MD SEOW was created in March 2006 with funding from the Substance Abuse and Mental Health Services Administration Center for Substance Abuse Prevention (CSAP) to the MD ADAAM. Views expressed within this document are those of the authors and do not necessarily represent the official position or policies of CSAP.

Acknowledgements:

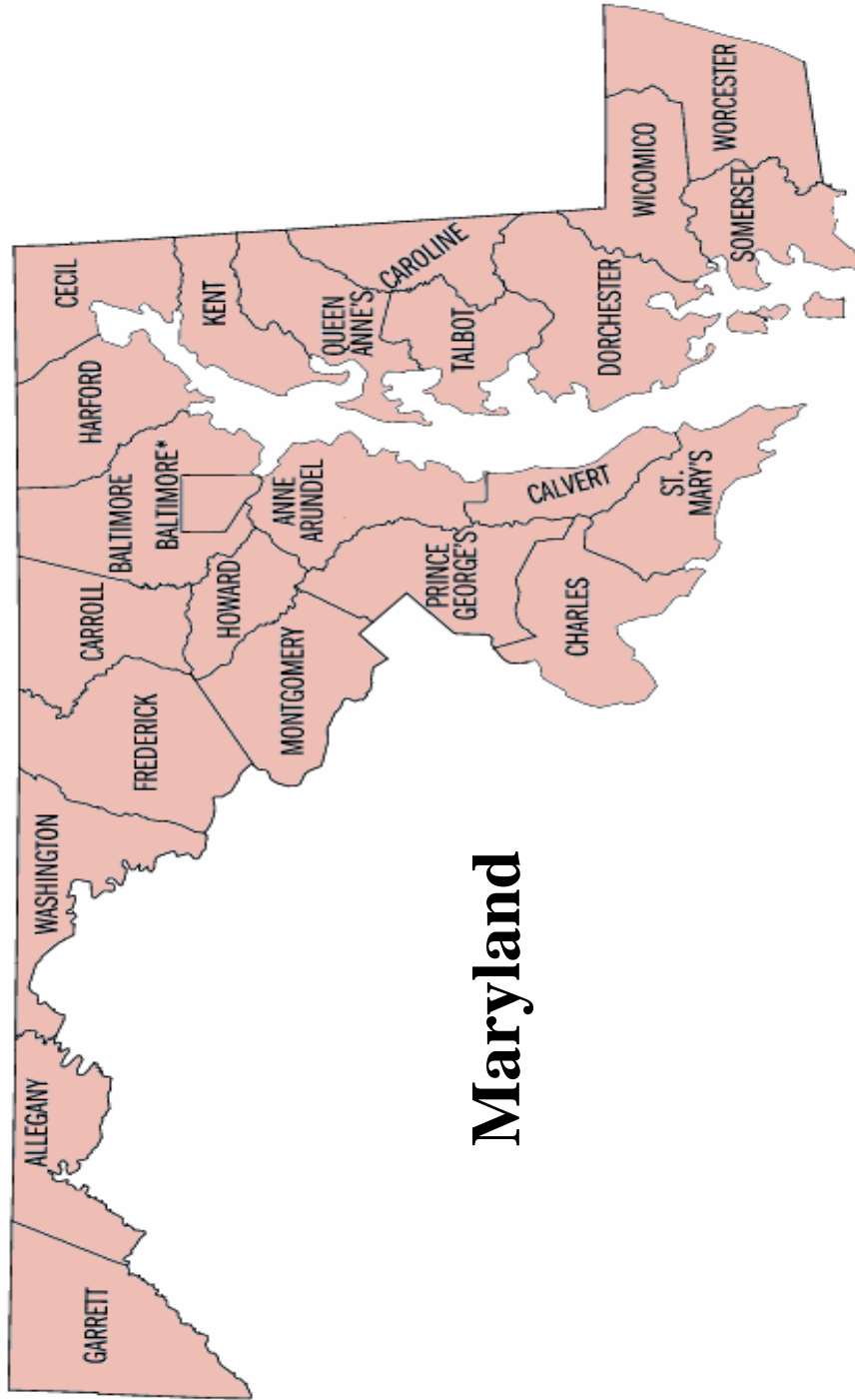
We thank the members of the Maryland State Epidemiology Outcomes Workgroup and the county prevention coordinators without whose support and enthusiasm this report could not have been completed. Your willingness to share data and information and to participate in our meetings and focus groups is greatly appreciated.

Maryland Compendium of Cross County Indicators on the Consequences and Consumption of Alcohol, Illicit Drugs, and Tobacco

Table of Contents

I. Introduction.....	1
II. Alcohol Consequences.....	2
III. Alcohol Consumption	12
IV. Illicit Drug Consequences	17
V. Illicit Drug Consumption	28
VI. Tobacco Consumption	32
VII. Appendices	36
A. Maryland State Epidemiological Outcomes Workgroup Overview	37
B. List of Tables and Figures	39





Maryland

Maryland Compendium of Cross County Indicators

I. Introduction

Overview

This is the second in a series of reports produced by the Maryland State Epidemiological Outcomes Workgroup (MD SEOW) that compile recent available data on the consequences and consumption of substance use in Maryland. The first report, *Maryland Epidemiological Profile: Consequences of Illicit Drug Use, Alcohol Abuse, and Smoking*, released in June 2007, focused on state-level data. This report provides similar data for the county/jurisdictional level. This report is intended primarily as a resource for state prevention professionals to use in local prevention planning, but should be of use to all with an interest in substance abuse in Maryland. Included in this report are the data necessary to help describe the consequences and consumption of substance use at the county level and to facilitate state and cross county comparisons.

The consequences and consumption patterns considered in this report were culled from a large list of possible indicators suggested by the MD SEOW membership that were found to meet a number of inclusion criteria. The first report, the *Maryland Epidemiological Profile*, details how the indicators were selected.

Maryland State Epidemiological Outcomes Workgroup (MD SEOW)

The MD SEOW was created in March 2006, with funding from Substance Abuse and Mental Health Services Administration's (SAMHSA) Center for Substance Abuse Prevention (CSAP), to guide the development of a state-of-the-art empirically based system for setting priorities for the state's substance abuse prevention activities. This project is being coordinated by staff at the Maryland Alcohol and Drug Abuse Administration (ADAA) and at the University of Maryland's Center for Substance Abuse Research (CESAR). The core membership of the MD SEOW is comprised of state agency representatives, researchers, and policymakers (See Appendix for more on the SEOW mission and membership).

Organization of Report

This report provides a collection of tables and figures organized into five sections: alcohol consequences, alcohol consumption, illicit drug consequences, illicit drug consumption, and tobacco consumption.

II. Alcohol Consequences

Cross County Indicators

Dependence.....3

Alcohol-Related Crashes4

Violent Crime Attributed to Alcohol6

Alcohol-Related Deaths8

Alcohol-Related Suspensions10



Table 1: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Dependence or Abuse of Alcohol in the Past Year, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Average for State Data Based on 2003 and 2004 Surveys

County*	2000 Census Population Aged 12+ (#)	Percentage Reporting Alcohol Dependence/Abuse in Past Year (%)	Estimated Number** (#)
Allegany	65,182	6.81%	4,439
Anne Arundel	406,842	7.09%	28,845
Baltimore City	543,011	8.24%	44,744
Baltimore County	637,029	7.17%	45,675
Calvert	60,331	7.21%	4,350
Caroline	24,618	7.21%	1,775
Carroll	123,425	6.81%	8,405
Cecil	70,186	7.21%	5,060
Charles	97,760	7.21%	7,048
Dorchester	26,111	7.21%	1,883
Frederick	159,222	6.81%	10,843
Garrett	25,032	6.81%	1,705
Harford	177,909	7.17%	12,756
Howard	200,625	7.17%	14,385
Kent	16,671	7.21%	1,202
Montgomery	723,617	6.44%	46,601
Prince George's	654,330	6.73%	44,036
Queen Anne's	33,710	7.21%	2,430
Saint Mary's	70,089	7.21%	5,053
Somerset	21,730	7.21%	1,567
Talbot	29,063	7.21%	2,095
Washington	111,533	6.81%	7,595
Wicomico	70,911	7.21%	5,113
Worcester	40,357	7.21%	2,910
State Total***	--	7.40%	334,000

NOTES:

Dependence or abuse is based on definitions found in the 4th edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV).

*County-Level Figures: Model-based estimates of dependence or abuse of alcohol were produced for sub-state regions by the Substance Abuse Mental Health Services Administration (SAMHSA). The regions were defined as follows: Anne Arundel=Anne Arundel County; Baltimore City=Baltimore City; Central=Baltimore, Harford, and Howard Counties; Montgomery=Montgomery County; Prince George's=Prince George's County; Rural=Calvert, Caroline, Cecil, Charles, Dorchester, Kent, Queen Anne's, St. Mary's, Somerset, Talbot, Wicomico, and Worcester Counties; Western=Allegany, Carroll, Frederick, Garrett, and Washington Counties. The sub-state percentages produced by SAMHSA were applied to each county within the defined sub-state regions to derive estimates at the county level.

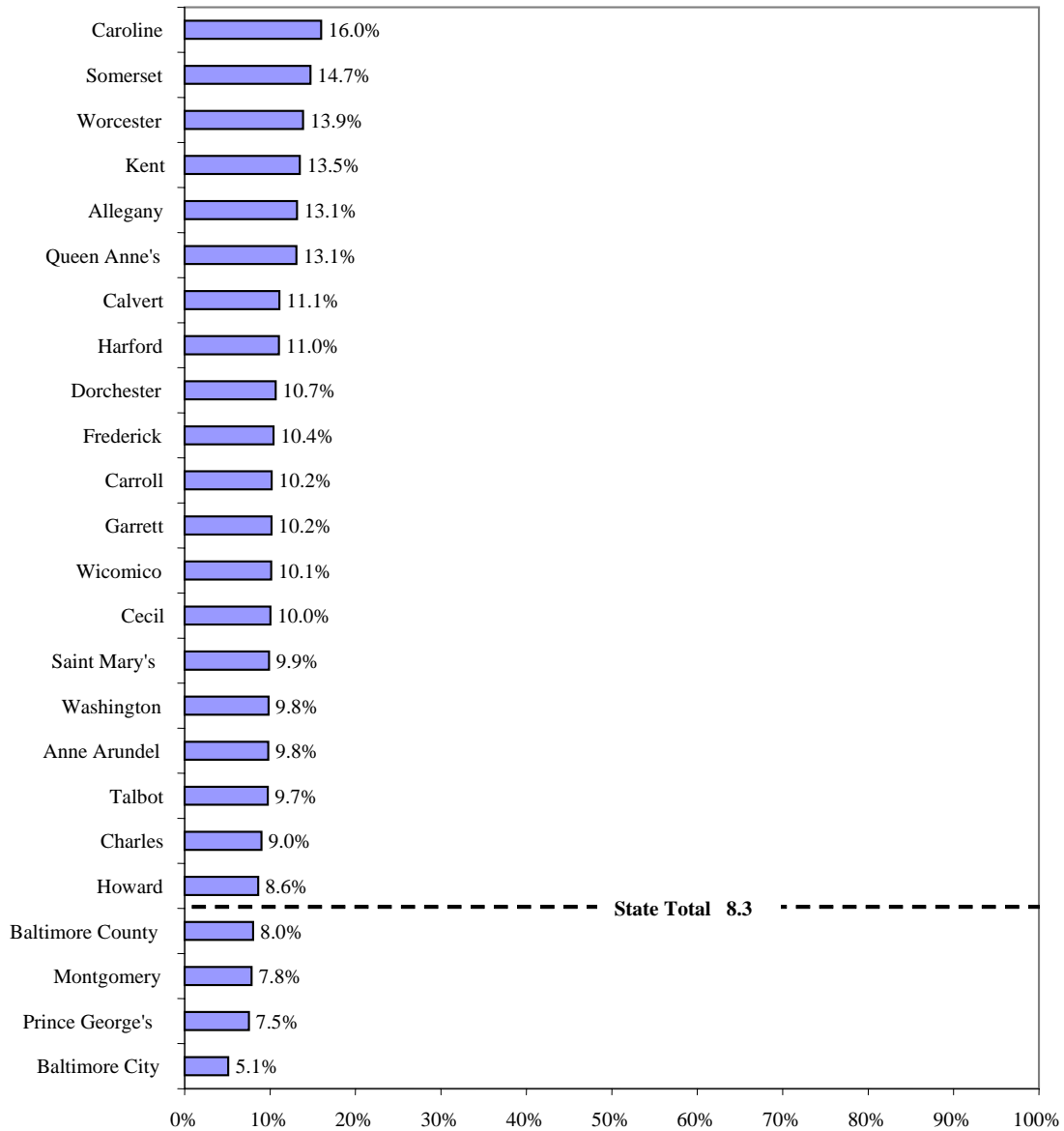
** Estimated Number: County estimates of number of residents dependent or abusing alcohol is based on 2000 Census data on population 12 years and older. The state estimate is produced by SAMHSA Office of Applied Studies (OAS).

*** Sum of county estimates do not equal State Total because the state figures are based on pooled data from two years worth of data (i.e., 2003 and 2004 surveys) and county figures are based on pooled data from three years worth of data (i.e., 2002, 2003, and 2004 surveys).

SOURCE: Adapted by CESAR from the Substance Abuse Mental Health Services Administration (SAMHSA), Office of Applied Studies (OAS), National Survey on Drug Use and Health (NSDUH), 2002, 2003, 2004.



Figure 1: Percentage of Crashes that are Alcohol Related, by Maryland County, 2005



NOTES:

Crashes include all fatal, injury, and property damage only crashes that involve an alcohol-impaired driver.

SOURCE: Adapted by CESAR from the Maryland Automated Accident Reporting System (MAARS), Traffic Safety Analysis Division, Office of Traffic and Safety, Maryland State Highway Administration (SHA).



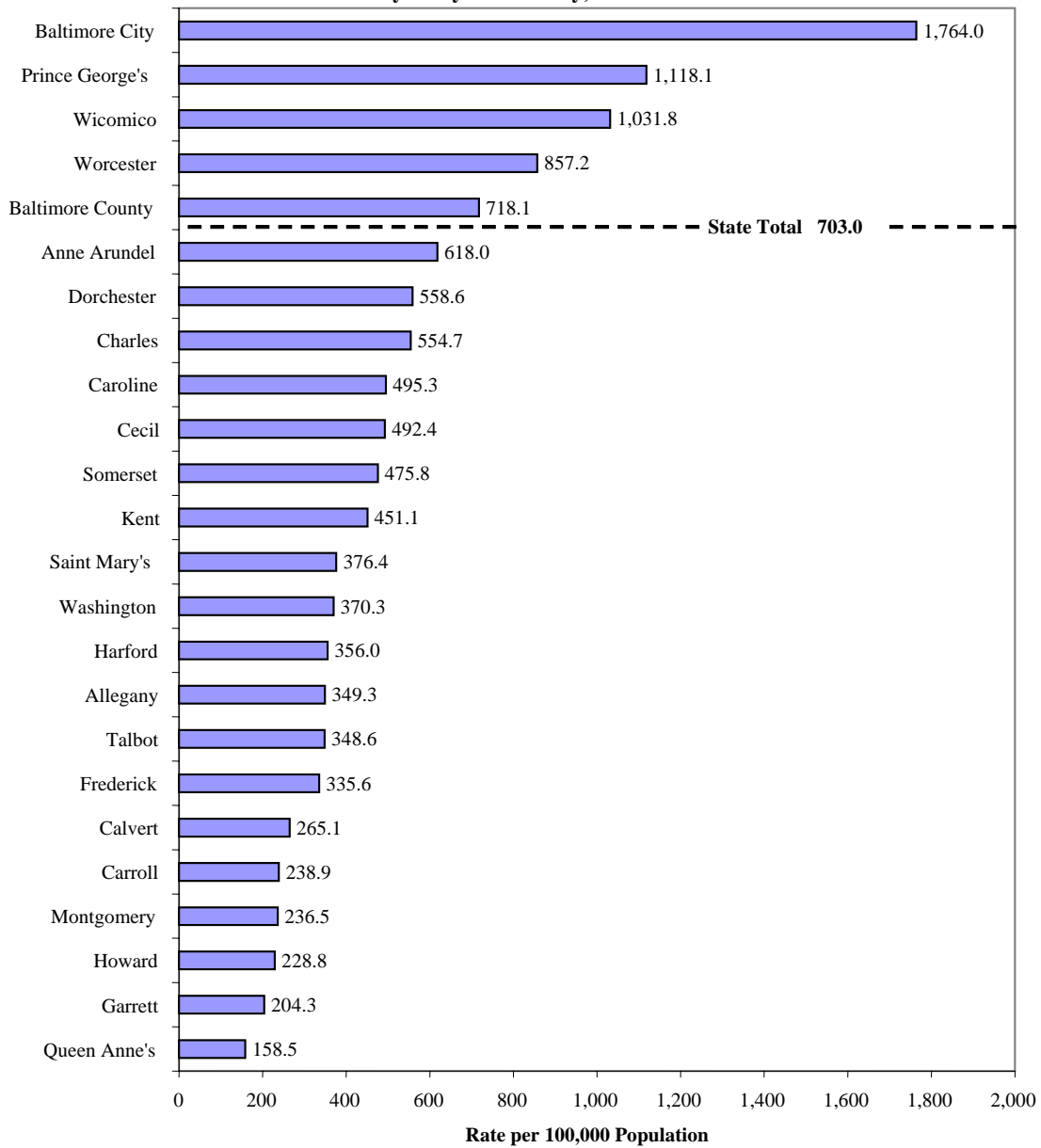
Table 2: Number of Total and Alcohol-Related Crashes and Fatal Crashes; Percentage of Alcohol-Related Crashes/Fatal Crashes Occurring in the County, Percentage of Total Crashes/Fatal Crashes due to Alcohol in Maryland; by County and Statewide, 2005

County	Total Crashes (#)	Number of Alcohol-Related Crashes (#)	Percentage of All Alcohol-Related Crashes Occurring in County (%)	Percentage of All County Crashes that are Alcohol Related (%)	Total Fatal Crashes (#)	Number of Alcohol-Related Fatal Crashes (#)	Percentage of All Alcohol-Related Fatal Crashes Occurring in County (%)	Percentage of All County Fatal Crashes that are Alcohol Related (%)
Allegany	761	100	1.2%	13.1%	10	2	1.1%	20.0%
Anne Arundel	9,457	927	10.9%	9.8%	50	14	7.5%	28.0%
Baltimore City	18,641	949	11.2%	5.1%	33	8	4.3%	24.2%
Baltimore County	15,558	1,249	14.7%	8.0%	70	24	12.8%	34.3%
Calvert	1,190	132	1.6%	11.1%	9	4	2.1%	44.4%
Caroline	463	74	0.9%	16.0%	9	1	0.5%	11.1%
Carroll	2,207	225	2.7%	10.2%	19	11	5.9%	57.9%
Cecil	1,652	166	2.0%	10.0%	21	7	3.7%	33.3%
Charles	2,807	252	3.0%	9.0%	34	15	8.0%	44.1%
Dorchester	506	54	0.6%	10.7%	6	2	1.1%	33.3%
Frederick	2,995	312	3.7%	10.4%	28	12	6.4%	42.9%
Garrett	571	58	0.7%	10.2%	6	0	0.0%	0.0%
Harford	3,444	380	4.5%	11.0%	19	7	3.7%	36.8%
Howard	3,052	263	3.1%	8.6%	18	9	4.8%	50.0%
Kent	230	31	0.4%	13.5%	1	1	0.5%	100.0%
Montgomery	13,057	1,023	12.1%	7.8%	43	11	5.9%	25.6%
Prince George's	16,349	1,229	14.5%	7.5%	129	31	16.6%	24.0%
Queen Anne's	742	97	1.1%	13.1%	7	3	1.6%	42.9%
Saint Mary's	1,394	138	1.6%	9.9%	12	6	3.2%	50.0%
Somerset	380	56	0.7%	14.7%	2	2	1.1%	100.0%
Talbot	905	88	1.0%	9.7%	7	3	1.6%	42.9%
Washington	2,832	278	3.3%	9.8%	21	7	3.7%	33.3%
Wicomico	2,082	211	2.5%	10.1%	13	2	1.1%	15.4%
Worcester	1,349	187	2.2%	13.9%	10	5	2.7%	50.0%
State Total	102,624	8,479	100.0%	8.3%	577	187	100.0%	32.4%

SOURCE: Adapted by CESAR from the Maryland Automated Accident Reporting System (MAARS), Traffic Safety Analysis Division, Office of Traffic and Safety, Maryland State Highway Administration (SHA).



**Figure 2: Violent Crime Rate (per 100,000 population),
by Maryland County, 2005**



NOTES:

Violent Crime includes murder and non-negligent manslaughter, forcible rape, robbery, and aggravated assault. The State Epidemiological Data Systems (SEDS) provides alcohol attribution rates for violent crimes that range from approximately 3% for robberies; 23% for rapes; and 30% for murder and aggravated assaults. Estimates of the percentage of crimes attributable to alcohol are derived primarily from self-reports of incarcerated perpetrators of the crimes. The percentage actually attributable to alcohol use may vary across geographic units or subpopulations.

SOURCE:

Adapted by CESAR from the Crime in Maryland, 2005 Uniform Crime Report. Maryland Uniform Crime Reporting (UCR) Program, Maryland State Police (MSP).



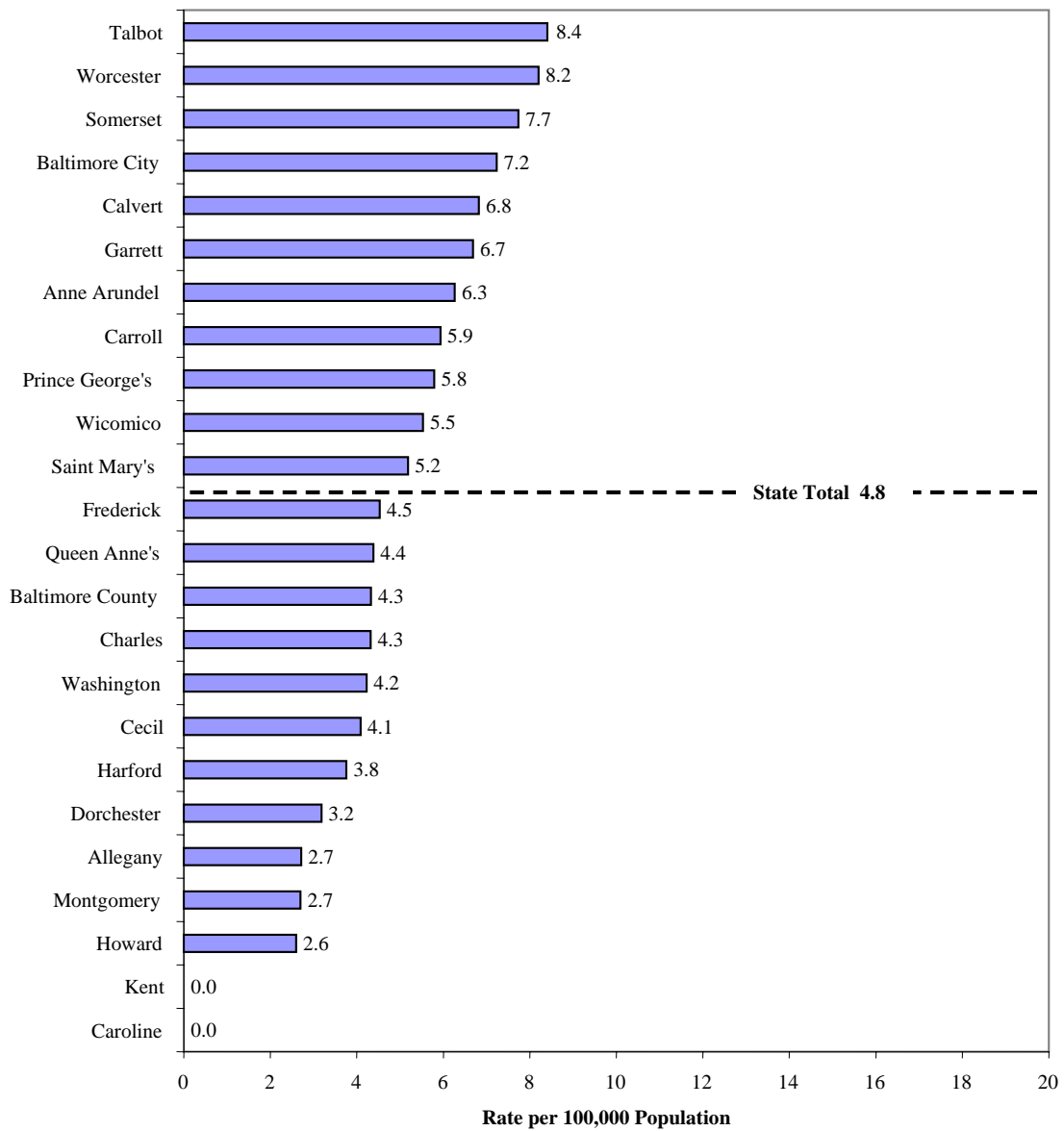
Table 3: Numbers, Percentages,* and Rates per 100,000 Population of Violent Crimes and Estimated Number of Crimes that are Alcohol Related,*** by Type of Crime, County, and Statewide, Maryland, 2005**

	Total Violent Crimes				Murder and Non-negligent Manslaughter				Forcible Rape				Robbery				Aggravated Assault			
	No. of Reported Crimes	Percentage Occurring in County*	Rate per 100,000 Pop.	Estimated No. Alcohol Related	No. of Reported Crimes	Percentage Occurring in County	Rate per 100,000 Pop.	Estimated No. Alcohol Related	No. of Reported Crimes	Percentage Occurring in County	Rate per 100,000 Pop.	Estimated No. Alcohol Related	No. of Reported Crimes	Percentage Occurring in County	Rate per 100,000 Pop.	Estimated No. Alcohol Related	No. of Reported Crimes	Percentage Occurring in County	Rate per 100,000 Pop.	Estimated No. Alcohol Related
Allegany	260	0.7%	349.3	72	1	0.2%	1.3	0	30	2.4%	40.3	7	15	0.1%	20.2	0	214	0.9%	287.5	64
Anne Arundel	3,167	8.0%	618.0	710	16	2.9%	3.1	5	88	7.0%	17.2	20	865	6.0%	168.8	26	2,198	9.5%	428.9	659
Baltimore City	11,309	28.7%	1,764.0	2,319	269	48.7%	42.0	81	162	12.8%	25.3	37	3,935	27.4%	613.8	118	6,943	30.0%	1,083.0	2,083
Baltimore County	5,650	14.4%	718.1	1,205	40	7.2%	5.1	12	178	14.1%	22.6	41	1,769	12.3%	224.8	53	3,663	15.8%	465.6	1,099
Calvert	231	0.6%	265.1	61	2	0.4%	2.3	1	15	1.2%	17.2	3	26	0.2%	29.8	1	188	0.8%	215.8	56
Caroline	155	0.4%	495.3	41	1	0.2%	3.2	0	7	0.6%	22.4	2	17	0.1%	54.3	1	130	0.6%	415.4	39
Carroll	400	1.0%	238.9	108	2	0.4%	1.2	1	29	2.3%	17.3	7	36	0.3%	21.5	1	333	1.4%	198.9	100
Cecil	474	1.2%	492.4	120	4	0.7%	4.2	1	11	0.9%	11.4	3	79	0.5%	82.1	2	380	1.6%	394.8	114
Charles	759	1.9%	554.7	173	4	0.7%	2.9	1	35	2.8%	25.6	8	195	1.4%	142.5	6	525	2.3%	383.7	158
Dorchester	174	0.4%	558.6	40	0	0.0%	0.0	0	9	0.7%	28.9	2	43	0.3%	138.1	1	122	0.5%	391.7	37
Frederick	736	1.9%	335.6	179	1	0.2%	0.5	0	30	2.4%	13.7	7	148	1.0%	67.5	4	557	2.4%	254.0	167
Garrett	62	0.2%	204.3	18	0	0.0%	0.0	0	4	0.3%	13.2	1	1	0.0%	3.3	0	57	0.2%	187.8	17
Harford	845	2.1%	356.0	199	2	0.4%	0.8	1	30	2.4%	12.6	7	193	1.3%	81.3	6	620	2.7%	261.2	186
Howard	615	1.6%	228.8	111	4	0.7%	1.5	1	42	3.3%	15.6	10	263	1.8%	97.9	8	306	1.3%	113.9	92
Kent	89	0.2%	451.1	22	1	0.2%	5.1	0	4	0.3%	20.3	1	15	0.1%	76.0	0	69	0.3%	349.7	21
Montgomery	2,196	5.6%	236.5	348	21	3.8%	2.3	6	157	12.4%	16.9	36	1,109	7.7%	119.4	33	909	3.9%	97.9	273
Prince George's	9,497	24.1%	1,118.1	1,431	164	29.7%	19.3	49	305	24.1%	35.9	70	5,172	36.0%	608.9	155	3,856	16.6%	454.0	1,157
Queen Anne's	72	0.2%	158.5	17	1	0.2%	2.2	0	15	1.2%	33.0	3	15	0.1%	33.0	0	41	0.2%	90.3	12
Saint Mary's	360	0.9%	376.4	94	1	0.2%	1.0	0	24	1.9%	25.1	6	45	0.3%	47.0	1	290	1.3%	303.2	87
Somerset	124	0.3%	475.8	29	1	0.2%	3.8	0	3	0.2%	11.5	1	28	0.2%	107.4	1	92	0.4%	353.0	28
Talbot	123	0.3%	348.6	29	3	0.5%	8.5	1	10	0.8%	28.3	2	27	0.2%	76.5	1	83	0.4%	235.2	25
Washington	521	1.3%	370.3	125	4	0.7%	2.8	1	18	1.4%	12.8	4	111	0.8%	78.9	3	388	1.7%	275.8	116
Wicomico	923	2.3%	1,031.8	218	4	0.7%	4.5	1	34	2.7%	38.0	8	211	1.5%	235.9	6	674	2.9%	753.4	202
Worcester	423	1.1%	857.2	109	2	0.4%	4.1	1	25	2.0%	50.7	6	59	0.4%	119.6	2	337	1.5%	682.9	101
Statewide Agencies	204	0.5%	--	61	4	0.7%	--	1	1	0.1%	--	0	1	0.0%	--	0	198	0.9%	--	59
State Total	39,369	100.0%	703.0	7,840	552	100.0%	9.9	166	1,266	100.0%	22.6	291	14,378	100.0%	256.7	431	23,173	100.0%	413.8	6,952

NOTES:
 * Percentages refer to percentage of all state crimes reported for that jurisdiction.
 **Crime Rate refers to the number of reported offenses per 100,000 population.
 ***Estimated Number of Crimes that are Alcohol Related are based on information from the State Epidemiological Data Systems (SEDS) indicating that alcohol attribution rates for violent crime range from approximately 3% for robberies; 23% for rapes; and 30% for murder and aggravated assaults. Estimates of the percentage of crimes attributable to alcohol are derived primarily from self-reports of incarcerated perpetrators of the crimes. The percentage actually attributable to alcohol use may vary across geographic units or subpopulations.

SOURCE: Adapted by CESAR from the Crime in Maryland, 2005 Uniform Crime Report. Maryland Uniform Crime Reporting (UCR) Program, Maryland State Police (MSP).

**Figure 3: Alcohol-Induced Death Rate (per 100,000),
by Maryland County, 2005**



NOTES:

Alcohol-Induced Deaths include the following International Classification of Disease, Tenth Revision (ICD-10) Category Codes: F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15.

SOURCE: Adapted by CESAR from the Maryland Vital Statistics Annual Report 2005, Vital Statistics Administration (VSA), Department of Health and Mental Hygiene (DHMH).

Table 4: Number of All Cause- and Alcohol-Induced Deaths; Percentage of State Alcohol-Induced Deaths, Percentage of All-Cause Deaths due to Alcohol; and Rate of Alcohol-Induced Deaths in Maryland; by County and Statewide, 2005

County	Estimated Population, July 1, 2005* (#)	Number of Deaths due to All Causes (#)	Number of Alcohol-Induced Deaths (#)	Percentage of State Alcohol-Induced Deaths Occurring in County (%)	Percentage of County Deaths that are Alcohol Induced (%)	Alcohol-Induced Death Rate per 100,000 Population (Rate)
Allegany	73,639	930	2	0.7%	0.2%	2.7
Anne Arundel	510,878	3,665	32	11.9%	0.9%	6.3
Baltimore City	635,815	7,221	46	17.0%	0.6%	7.2
Baltimore County	786,113	7,784	34	12.6%	0.4%	4.3
Calvert	87,925	606	6	2.2%	1.0%	6.8
Caroline	31,822	296	0	0.0%	0.0%	0.0
Carroll	168,541	1,284	10	3.7%	0.8%	5.9
Cecil	97,796	722	4	1.5%	0.6%	4.1
Charles	138,822	856	6	2.2%	0.7%	4.3
Dorchester	31,401	386	1	0.4%	0.3%	3.2
Frederick	220,701	1,450	10	3.7%	0.7%	4.5
Garrett	29,909	307	2	0.7%	0.7%	6.7
Harford	239,259	1,708	9	3.3%	0.5%	3.8
Howard	269,457	1,328	7	2.6%	0.5%	2.6
Kent	19,899	204	0	0.0%	0.0%	0.0
Montgomery	927,583	5,448	25	9.3%	0.5%	2.7
Prince George's	846,123	5,119	49	18.1%	1.0%	5.8
Queen Anne's	45,612	366	2	0.7%	0.5%	4.4
Saint Mary's	96,518	679	5	1.9%	0.7%	5.2
Somerset	25,845	232	2	0.7%	0.9%	7.7
Talbot	35,683	440	3	1.1%	0.7%	8.4
Washington	141,895	1,367	6	2.2%	0.4%	4.2
Wicomico	90,402	864	5	1.9%	0.6%	5.5
Worcester	48,750	516	4	1.5%	0.8%	8.2
State Total	5,600,388	43,778	270	100.0%	0.6%	4.8

NOTES:

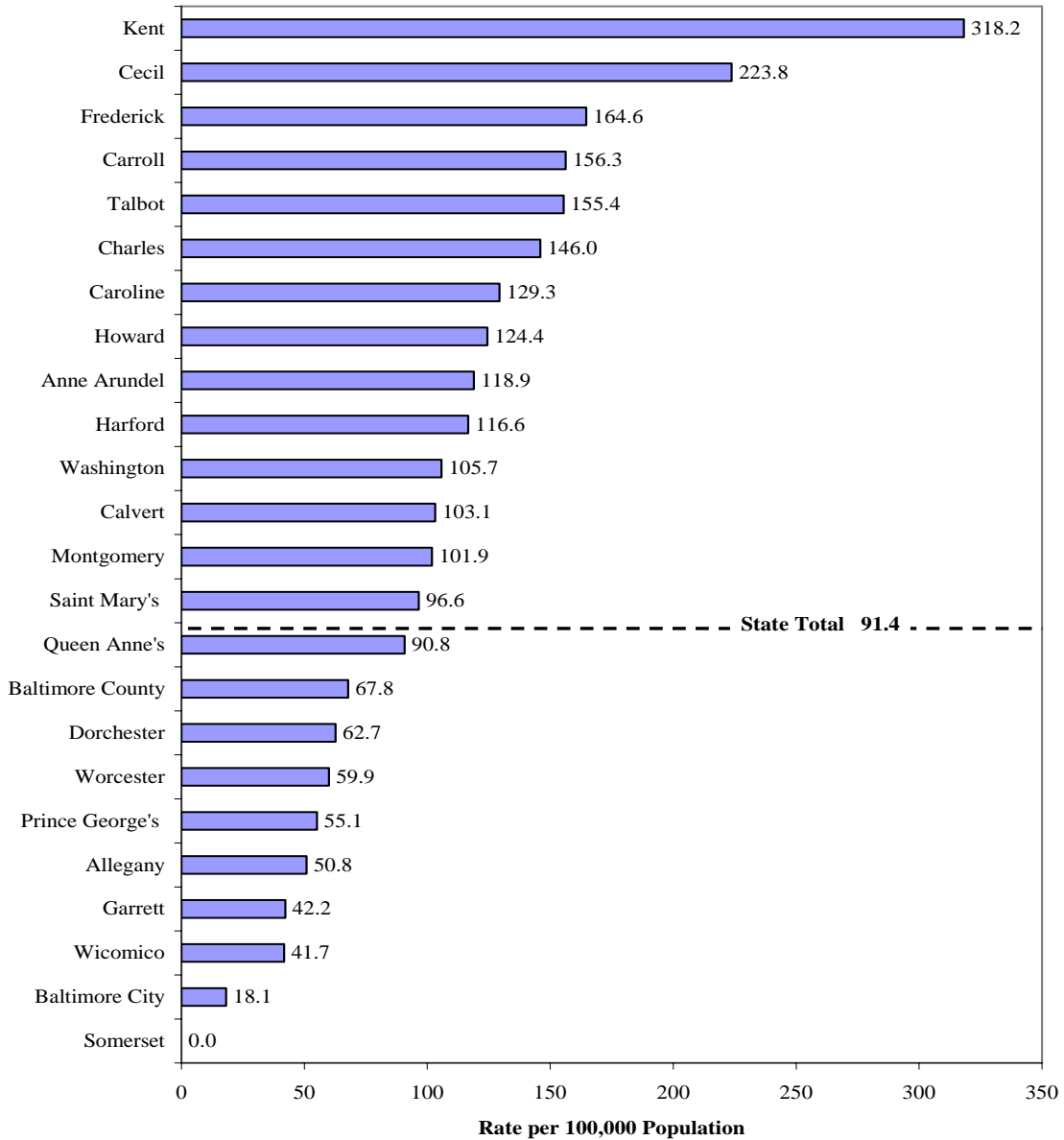
*2005 Population estimates for each county were prepared by the National Center for Health Statistics (NCHS) in collaboration with the U.S. Census Bureau.

**Alcohol-Induced Deaths include the following International Classification of Disease, Tenth Revision (ICD-10) Category Codes: F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15.

SOURCE: Adapted by CESAR from the Maryland Vital Statistics Annual Report 2005, Vital Statistics Administration (VSA), Department of Health and Mental Hygiene (DHMH).



Figure 4: Alcohol-Related Public School Suspension Rate (per 100,000), by Maryland County, School Year 2004-2005



NOTES:

Rates are based on Maryland State Department of Education (MSDE) public school enrollment figures as of September 30th of each school year. State Total includes data from the Edison Schools.

SOURCE: Adapted by CESAR from Suspensions, Expulsions, and Health-Related Exclusions Maryland Public Schools, 2004-05, Division of Planning, Results, and Information Management (PRIM), Maryland State Department of Education (MSDE).

Table 5: Total Suspensions from Public Schools, Alcohol-Related Suspensions, Percentage of Alcohol-Related Suspensions, Percentage of Alcohol-Related Suspensions in County, and Alcohol-Related Suspension Rate (per 100,000 students), by County, School Year 2004-2005

County	2004-2005 Public School Enrollment	All Suspensions	Alcohol- Related Suspensions	Percentage of All Alcohol- Related Suspensions Occurring in County	Percentage of All County Suspensions that are Alcohol Related	Alcohol- Related Suspension Rate per 100,000 Students
	(#)	(#)	(#)	(%)	(%)	(Rate)
Allegany	9,840	965	5	0.6%	0.5%	50.8
Anne Arundel	73,991	13,848	88	11.1%	0.6%	118.9
Baltimore City	88,401	16,641	16	2.0%	0.1%	18.1
Baltimore County	107,701	20,345	73	9.2%	0.4%	67.8
Calvert	17,451	1,862	18	2.3%	1.0%	103.1
Caroline	5,412	1,370	7	0.9%	0.5%	129.3
Carroll	28,792	2,054	45	5.7%	2.2%	156.3
Cecil	16,535	2,335	37	4.7%	1.6%	223.8
Charles	26,026	6,074	38	4.8%	0.6%	146.0
Dorchester	4,788	1,383	3	0.4%	0.2%	62.7
Frederick	39,489	5,235	65	8.2%	1.2%	164.6
Garrett	4,737	266	2	0.3%	0.8%	42.2
Harford	40,294	6,060	47	5.9%	0.8%	116.6
Howard	48,219	3,163	60	7.6%	1.9%	124.4
Kent	2,514	672	8	1.0%	1.2%	318.2
Montgomery	139,393	9,408	142	18.0%	1.5%	101.9
Prince George's	136,095	20,784	75	9.5%	0.4%	55.1
Queen Anne's	7,713	885	7	0.9%	0.8%	90.8
Saint Mary's	16,567	3,007	16	2.0%	0.5%	96.6
Somerset	2,952	1,020	0	0.0%	0.0%	0.0
Talbot	4,505	419	7	0.9%	1.7%	155.4
Washington	20,807	1,292	22	2.8%	1.7%	105.7
Wicomico	14,387	4,552	6	0.8%	0.1%	41.7
Worcester	6,676	707	4	0.5%	0.6%	59.9
State Total*	865,561	124,610	791	100.0%	0.6%	91.4

NOTES:

Rates are based on Maryland State Department of Education (MSDE) public school enrollment figures as of September 30th of each school year.

*State Total includes data from the Edison Schools, so county totals will not sum to the State total.

SOURCE: Adapted by CESAR from Suspensions, Expulsions, and Health-Related Exclusions Maryland Public Schools, 2004-05, Division of Planning, Results, and Information Management (PRIM), Maryland State Department of Education (MSDE).



III. Alcohol Consumption

Cross County Indictors

Adult Alcohol Consumption.....	13
12 or Older Alcohol Consumption.....	14
Youth Alcohol Consumption	15
Alcohol Treatment Admissions	16



Table 6: Estimated Prevalence of Adults who Reported Binge Drinking* and Heavy Drinking, by County and Statewide, 2005**

	Binge Drinkers*		Heavy Drinkers**	
	%	CI	%	CI
Allegany	9.3%	4.5-14.1	5.8%	1.9-9.7
Anne Arundel	15.1%	11.7-18.5	6.0%	3.7-8.3
Baltimore City	12.6%	9.5-15.7	5.1%	3.0-7.2
Baltimore County	15.6%	12.9-18.4	4.3%	2.8-5.8
Calvert	11.3%	6.1-16.5	4.4%	1.0-7.8
Caroline	15.4%	6.0-24.8	4.5%	0.0-9.9
Carroll	8.4%	4.0-12.8	3.0%	0.3-5.7
Cecil	12.6%	7.8-17.5	1.8%	0.0-3.8
Charles	12.6%	8.1-17.1	2.9%	0.6-5.2
Dorchester	13.1%	4.3-21.9	5.1%	0.0-10.8
Frederick	15.2%	11.7-18.7	4.6%	2.6-6.7
Garrett	11.8%	4.3-19.3	4.6%	0.0-9.6
Harford	16.7%	11.6-21.8	6.2%	2.9-9.5
Howard	10.1%	6.3-13.9	3.6%	1.2-6.0
Kent	2.0%	0.0-6.3	3.1%	0.0-8.4
Montgomery	9.8%	7.8-11.9	3.7%	2.4-5.0
Prince George's	7.9%	5.6-10.2	2.7%	1.3-4.1
Queen Anne's	16.1%	8.4-23.8	4.6%	0.2-9.0
Saint Mary's	12.3%	7.5-17.1	2.9%	0.4-5.4
Somerset	5.8%	0.0-13.7	0.7%	0.0-3.5
Talbot	7.0%	1.7-12.3	8.5%	2.7-14.3
Washington	11.9%	8.1-15.7	4.9%	2.3-7.5
Wicomico	7.5%	3.6-11.4	2.2%	0.0-4.4
Worcester	16.0%	9.3-22.8	10.9%	5.1-16.7
State Total	11.9%	10.9-12.9	4.2%	3.6-4.8

NOTES:

%=Percent weighted to the Maryland population.

CI=Confidence Interval range at the 95% probability level.

Counties with overlapping confidence intervals do not differ from one another.

*Binge Alcohol Use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the past 30 days.

**Heavy Drinkers are defined as men who drink more than 2 drinks per day and women who drink more than 1 drink per day.

SOURCE: Adapted by CESAR from the Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2005.

Table 7: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Past Month Alcohol Use and Binge Alcohol Use, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Average for State Data Based on 2003 and 2004 Surveys

County**	2000 Census Population Aged 12+	Use in Past Month			
		Alcohol Use		Binge Alcohol Use*	
		%	Estimated No.***	%	Estimated No.***
Allegany	65,182	49.69%	32,389	20.02%	13,049
Anne Arundel	406,842	55.29%	224,943	20.83%	84,745
Baltimore City	543,011	44.41%	241,151	22.66%	123,046
Baltimore County	637,029	59.91%	381,644	20.77%	132,311
Calvert	60,331	52.06%	31,408	22.28%	13,442
Caroline	24,618	52.06%	12,816	22.28%	5,485
Carroll	123,425	49.69%	61,330	20.02%	24,710
Cecil	70,186	52.06%	36,539	22.28%	15,637
Charles	97,760	52.06%	50,894	22.28%	21,781
Dorchester	26,111	52.06%	13,593	22.28%	5,818
Frederick	159,222	49.69%	79,117	20.02%	31,876
Garrett	25,032	49.69%	12,438	20.02%	5,011
Harford	177,909	59.91%	106,585	20.77%	36,952
Howard	200,625	59.91%	120,194	20.77%	41,670
Kent	16,671	52.06%	8,679	22.28%	3,714
Montgomery	723,617	60.84%	440,249	19.66%	142,263
Prince George's	654,330	44.28%	289,737	19.47%	127,398
Queen Anne's	33,710	52.06%	17,549	22.28%	7,511
Saint Mary's	70,089	52.06%	36,488	22.28%	15,616
Somerset	21,730	52.06%	11,313	22.28%	4,841
Talbot	29,063	52.06%	15,130	22.28%	6,475
Washington	111,533	49.69%	55,421	20.02%	22,329
Wicomico	70,911	52.06%	36,916	22.28%	15,799
Worcester	40,357	52.06%	21,010	22.28%	8,992
State Total****	--	51.72%	2,344,000	19.68%	891,000

NOTES:

*Binge Alcohol Use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the past 30 days.

**County-Level Figures: Model-based estimates alcohol use were produced for sub-state regions by the Substance Abuse and Mental Health Services Administration (SAMHSA). The regions were defined as follows: Anne Arundel=Anne Arundel County; Baltimore City=Baltimore City; Central=Baltimore, Harford, and Howard Counties; Montgomery=Montgomery County; Prince George's=Prince George's County; Rural=Calvert, Caroline, Cecil, Charles, Dorchester, Kent, Queen Anne's, St. Mary's, Somerset, Talbot, Wicomico, and Worcester Counties; Western=Allegany, Carroll, Frederick, Garrett, and Washington Counties. The sub-state percentages produced by SAMHSA were applied to each county within the defined sub-state regions to derive estimates at the county level.

*** Estimated Number: County estimates of number of residents using alcohol is based on 2000 Census data on population 12 years and older. The state estimate is produced by SAMHSA Office of Applied Studies (OAS).

**** Sum of county estimates do not equal State Total because the state figures are based on pooled data from two years worth of data (i.e., 2003 and 2004 surveys) and county figures are based on pooled data from three years worth of data (i.e., 2002, 2003, and 2004 surveys).

SOURCE: Adapted by CESAR from the Substance Abuse and Mental Health Services Administration (SAMHSA), Office of Applied Studies (OAS), National Survey on Drug Use and Health (NSDUH), 2002, 2003, 2004.



Table 8: Percentage and Estimated Number of Maryland Seniors Reporting Past Month Alcohol Use and Binge Drinking, by County and Statewide, School Year 2004-2005

County	12th Grade Student Enrollment	Use in Past Month			
		Any Alcohol		Binge Drinking*	
		%	Estimated No.	%	Estimated No.
Allegany	749	48.2%	361	35.5%	266
Anne Arundel	4,954	49.7%	2,462	36.8%	1,823
Baltimore City	4,568	29.0%	1,325	14.1%	644
Baltimore County	7,596	49.7%	3,775	34.3%	2,605
Calvert	1,284	46.9%	602	33.1%	425
Caroline	359	53.0%	190	42.3%	152
Carroll	2,159	49.9%	1,077	36.0%	777
Cecil	1,126	40.6%	457	26.3%	296
Charles	1,879	45.9%	862	30.3%	569
Dorchester	292	43.9%	128	31.0%	91
Frederick	2,817	47.9%	1,349	35.0%	986
Garrett	301	51.5%	155	37.3%	112
Harford	2,746	49.7%	1,365	37.6%	1,032
Howard	3,373	47.0%	1,585	34.6%	1,167
Kent	152	59.5%	90	46.2%	70
Montgomery	9,968	45.2%	4,506	28.3%	2,821
Prince George's	8,354	33.8%	2,824	15.2%	1,270
Queen Anne's	499	51.8%	258	42.9%	214
Saint Mary's	1,038	46.9%	487	34.0%	353
Somerset	176	47.6%	84	33.1%	58
Talbot	217	59.0%	128	46.0%	100
Washington	1,403	44.5%	624	31.6%	443
Wicomico	867	44.3%	384	30.0%	260
Worcester	555	51.0%	283	34.2%	190
State Total	57,432	44.1%	25,328	29.0%	16,655

NOTES:

*Binge Drinking is defined as five or more servings of alcohol on the same occasion.

The Maryland Adolescent Survey (MAS) Report does not provide the standard errors around these observations; therefore, caution should be exercised in interpreting any differences between counties.

SOURCE: Adapted by CESAR from the Maryland State Department of Education (MSDE), 2004 Maryland Adolescent Survey (MAS).



Table 9: Admissions to Maryland Substance Abuse Treatment Programs where Alcohol (alone or with secondary drug)* was Cited as the Primary Substance of Abuse, by County of Residence and Statewide, 2006

County of Residence	Total Number of Treatment Admissions	Admissions where Alcohol was Cited as Primary Substance of Abuse*	
	#	#	%
Allegany	1,157	435	37.6%
Anne Arundel	5,955	2,332	39.2%
Baltimore City	19,382	2,900	15.0%
Baltimore County	7,640	2,694	35.3%
Calvert	1,480	718	48.5%
Caroline	512	269	52.5%
Carroll	1,717	709	41.3%
Cecil	1,203	437	36.3%
Charles	1,593	867	54.4%
Dorchester	642	254	39.6%
Frederick	2,211	1,116	50.5%
Garrett	413	209	50.6%
Harford	1,728	875	50.6%
Howard	1,306	636	48.7%
Kent	473	223	47.1%
Montgomery	5,268	2,870	54.5%
Prince George's	4,173	1,566	37.5%
Queen Anne's	710	406	57.2%
Saint Mary's	1,258	646	51.4%
Somerset	544	218	40.1%
Talbot	572	293	51.2%
Washington	1,795	842	46.9%
Wicomico	1,868	821	44.0%
Worcester	1,121	640	57.1%
State Total	64,721	22,976	35.5%

NOTES:

*Alcohol admissions for abuse of alcohol alone and admissions for primary abuse of alcohol with secondary abuse of drugs.

SOURCE: Adapted by CESAR from the Substance Abuse Management Information System (SAMIS), Maryland Alcohol and Drug Abuse Administration (ADAA).



IV. Illicit Drug Consequences

Cross County Indicators

Dependence.....	18
Property Crime Attributed to Illicit Drugs.....	19
Illicit Drug-Induced Deaths	21
HIV/AIDS Cases.....	23
Drug-Related Suspensions	26

Table 10: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Dependence or Abuse of Illicit Drugs in the Past Year, by County* and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Averages for State Data Based on 2003 and 2004 Surveys

County*	2000 Census Population Aged 12+ (#)	Percentage Reporting Dependence or Abuse in the Past Year (%)	Estimated Number** (#)
Allegany	65,182	2.79%	1,819
Anne Arundel	406,842	2.91%	11,839
Baltimore City	543,011	3.08%	16,725
Baltimore County	637,029	2.74%	17,455
Calvert	60,331	3.04%	1,834
Caroline	24,618	3.04%	748
Carroll	123,425	2.79%	3,444
Cecil	70,186	3.04%	2,134
Charles	97,760	3.04%	2,972
Dorchester	26,111	3.04%	794
Frederick	159,222	2.79%	4,442
Garrett	25,032	2.79%	698
Harford	177,909	2.74%	4,875
Howard	200,625	2.74%	5,497
Kent	16,671	3.04%	507
Montgomery	723,617	2.29%	16,571
Prince George's	654,330	2.85%	18,648
Queen Anne's	33,710	3.04%	1,025
Saint Mary's	70,089	3.04%	2,131
Somerset	21,730	3.04%	661
Talbot	29,063	3.04%	884
Washington	111,533	2.79%	3,112
Wicomico	70,911	3.04%	2,156
Worcester	40,357	3.04%	1,227
State Total***	--	2.88%	130,000

NOTES:

Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutic used nonmedically.

Dependence or abuse is based on definitions found in the 4th edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV).

*County-Level Figures: Model-based estimates of dependence or abuse of illicit drugs were produced for sub-state regions by the Substance Abuse and Mental Health Services Administration (SAMHSA). The regions were defined as follows: Anne Arundel=Anne Arundel County; Baltimore City=Baltimore City; Central=Baltimore, Harford, and Howard Counties; Montgomery=Montgomery County; Prince George's=Prince George's County; Rural=Calvert, Caroline, Cecil, Charles, Dorchester, Kent, Queen Anne's, St. Mary's, Somerset, Talbot, Wicomico, and Worcester Counties; Western=Allegany, Carroll, Frederick, Garrett, and Washington Counties. The sub-state percentages produced by SAMHSA were applied to each county within the defined sub-state regions to derive estimates at the county level.

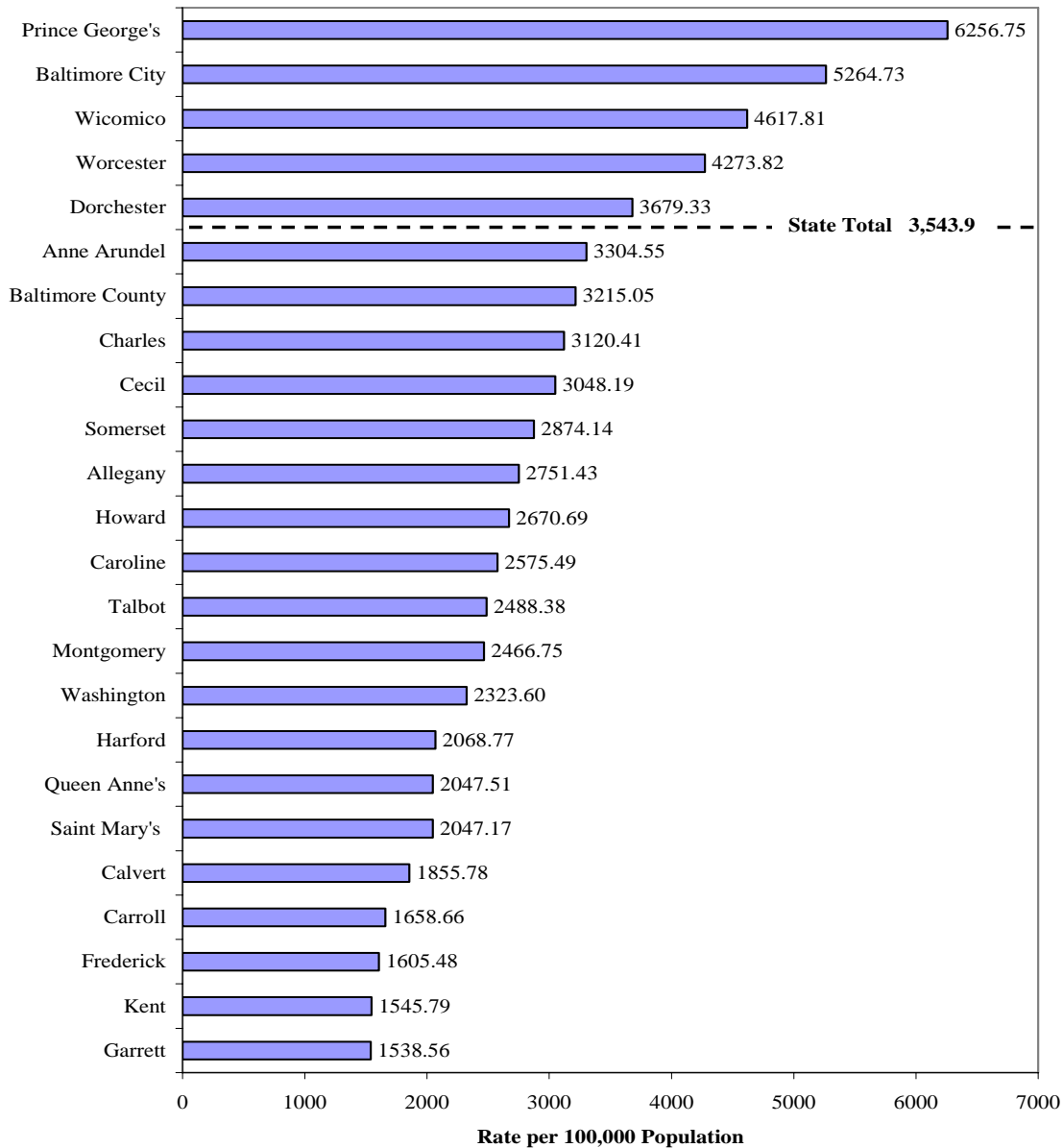
** Estimated Number: County estimates of number of residents dependent or abusing drug(s) is based on 2000 Census data on population 12 years and older. The state estimate is produced by SAMHSA Office of Applied Studies (OAS).

*** Sum of county estimates do not equal State Total because the state figures are based on pooled data from two years worth of data (i.e., 2003 and 2004 surveys) and county figures are based on pooled data from three years worth of data (i.e., 2002, 2003, and 2004 surveys).

SOURCE: Adapted by CESAR from the Substance Abuse and Mental Health Services Administration (SAMHSA), Office of Applied Studies (OAS), National Survey on Drug Use and Health (NSDUH), 2002, 2003, 2004



**Figure 5: Property Crime Rate (per 100,000 population),
by Maryland County, 2004**



NOTES:

Property crimes include burglary, larceny-theft, and motor vehicle theft. The State Epidemiological Data Systems (SEDS) provides drug attribution rates for property crime ranging from approximately 7% for motor vehicle theft to 30% for burglary and larceny. Estimates of the percentage of crimes attributable to illicit drugs are derived primarily from self-reports of incarcerated perpetrators of the crimes. The percentage actually attributable to drug use may vary across geographic units or subpopulations.

SOURCE: Adapted by CESAR from the Crime in Maryland, 2005 Uniform Crime Report. Maryland Uniform Crime Reporting (UCR) Program, Maryland State Police (MSP).

Table 11: Numbers, Percentages,* and Rates per 100,000 Population of Property Crimes and Estimated Number of Crimes that are Drug Related,*by Type of Crime, County, and Statewide, Maryland, 2005**

	Total Property Crimes				Burglary				Larceny-Theft				Motor Vehicle Thefts			
	No. of Reported Crimes	Percentage Occurring in County*	Property Crime Rate per 100,000 Pop.	Estimated Number Drug-Related Crimes	No. of Reported Crimes	Percentage Occurring in County	Property Crime Rate per 100,000 Pop.	Estimated Number Drug-Related Crimes	No. of Reported Crimes	Percentage Occurring in County	Property Crime Rate per 100,000 Pop.	Estimated Number Drug-Related Crimes	No. of Reported Crimes	Percentage Occurring in County	Property Crime Rate per 100,000 Pop.	Estimated Number Drug-Related Crimes
Allegany	2,048	1.0%	2,751.4	601	460	1.3%	618.0	138	1,531	1.2%	2,056.9	459	57	0.2%	76.6	4
Anne Arundel	16,934	8.5%	3,304.5	4,730	3,122	8.7%	609.2	937	12,288	9.6%	2,397.9	3,686	1,524	4.5%	297.4	107
Baltimore City	33,752	17.0%	5,264.7	8,692	7,388	20.6%	1,152.4	2,216	20,132	15.7%	3,140.2	6,040	6,232	18.3%	972.1	436
Baltimore County	25,295	12.7%	3,215.1	6,888	4,629	12.9%	588.4	1,389	17,620	13.7%	2,239.5	5,286	3,046	8.9%	387.2	213
Calvert	1,617	0.8%	1,855.8	465	343	1.0%	393.7	103	1,188	0.9%	1,363.4	356	86	0.3%	98.7	6
Caroline	806	0.4%	2,575.5	230	248	0.7%	792.5	74	507	0.4%	1,620.1	152	51	0.1%	163.0	4
Carroll	2,777	1.4%	1,658.7	794	522	1.5%	311.8	157	2,085	1.6%	1,245.3	626	170	0.5%	101.5	12
Cecil	2,934	1.5%	3,048.2	816	836	2.3%	868.5	251	1,820	1.4%	1,890.8	546	278	0.8%	288.8	19
Charles	4,270	2.2%	3,120.4	1,137	654	1.8%	477.9	196	2,989	2.3%	2,184.3	897	627	1.8%	458.2	44
Dorchester	1,146	0.6%	3,679.3	326	229	0.6%	735.2	69	840	0.7%	2,696.9	252	77	0.2%	247.2	5
Frederick	3,521	1.8%	1,605.5	1,011	672	1.9%	306.4	202	2,652	2.1%	1,209.2	796	197	0.6%	89.8	14
Garrett	467	0.2%	1,538.6	136	136	0.4%	448.1	41	312	0.2%	1,027.9	94	19	0.1%	62.6	1
Harford	4,911	2.5%	2,068.8	1,391	961	2.7%	404.8	288	3,591	2.8%	1,512.7	1,077	359	1.1%	151.2	25
Howard	7,178	3.6%	2,670.7	2,028	1,225	3.4%	455.8	368	5,409	4.2%	2,012.5	1,623	544	1.6%	202.4	38
Kent	305	0.2%	1,545.8	86	87	0.2%	440.9	26	194	0.2%	983.2	58	24	0.1%	121.6	2
Montgomery	22,909	11.5%	2,466.8	6,258	3,729	10.4%	401.5	1,119	16,509	12.8%	1,777.6	4,953	2,671	7.8%	287.6	187
Prince George's	53,144	26.8%	6,256.7	11,978	7,445	20.7%	876.5	2,234	28,457	22.1%	3,350.3	8,537	17,242	50.6%	2,029.9	1,207
Queen Anne's	930	0.5%	2,047.5	268	220	0.6%	484.4	66	662	0.5%	1,457.5	199	48	0.1%	105.7	3
Saint Mary's	1,958	1.0%	2,047.2	555	415	1.2%	433.9	125	1,401	1.1%	1,464.8	420	142	0.4%	148.5	10
Somerset	749	0.4%	2,874.1	218	222	0.6%	851.9	67	500	0.4%	1,918.6	150	27	0.1%	103.6	2
Talbot	878	0.4%	2,488.4	257	169	0.5%	479.0	51	683	0.5%	1,935.7	205	26	0.1%	73.7	2
Washington	3,269	1.6%	2,323.6	921	702	2.0%	499.0	211	2,306	1.8%	1,639.1	692	261	0.8%	185.5	18
Wicomico	4,131	2.1%	4,617.8	1,192	1,080	3.0%	1,207.3	324	2,846	2.2%	3,181.4	854	205	0.6%	229.2	14
Worcester	2,109	1.1%	4,273.8	609	427	1.2%	865.3	128	1,581	1.2%	3,203.8	474	101	0.3%	204.7	7
Statewide Agencies	436	0.2%	--	118	0	0.0%	--	0	380	0.3%	--	114	56	0.2%	--	4
State Total	198,474	100.0%	3,543.9	51,706	35,921	100.0%	641.4	10,776	128,483	100.0%	2,294.2	38,545	34,070	100.0%	608.4	2,385

NOTES:

* Percentages refer to percentage of all state crimes reported for that jurisdiction.

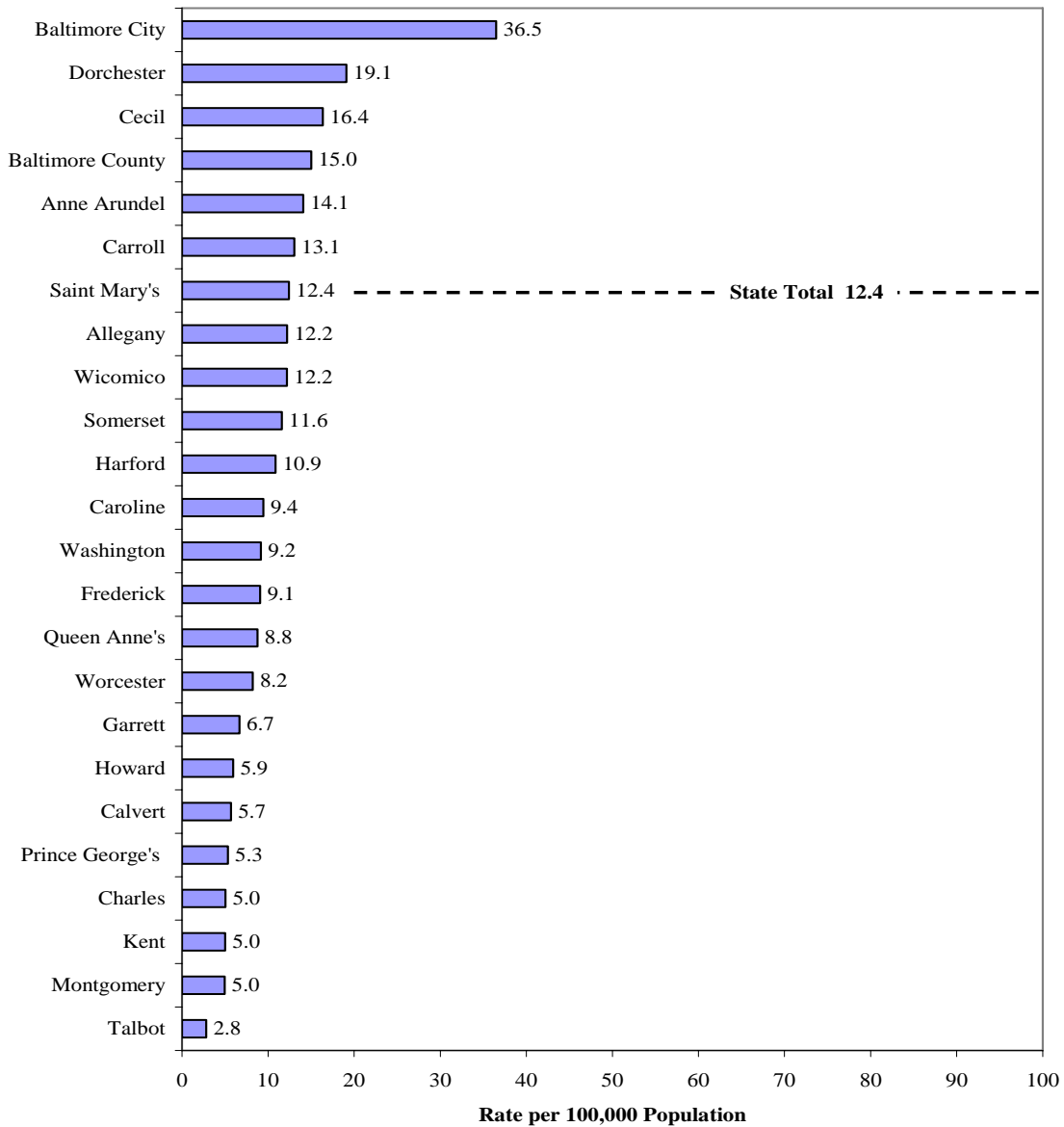
**Crime Rate refers to the number of reported offenses per 100,000 population.

***Estimated Number of Crimes that are Drug Related are based on information from the State Epidemiological Data Systems (SEDS) indicating that drug attribution rates for property crime range from approximately 7% for motor vehicle theft to 30% for burglary and larceny. Estimates of the percentage of crimes attributable to illicit drugs are derived primarily from self-reports of incarcerated perpetrators of the crimes. The percentage actually attributable to drug use may vary across geographic units or subpopulations.

SOURCE: Adapted by CESAR from the Crime in Maryland, 2005 Uniform Crime Report. Maryland Uniform Crime Reporting (UCR) Program, Maryland State Police (MSP).



**Figure 6: Drug-Induced Death Rates (per 100,000 population),
by Maryland County, 2005**



NOTES:

Drug-Induced Deaths include the following International Classification of Disease, Tenth Revision (ICD-10) Category Codes: F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14.

SOURCE: Adapted by CESAR from the Maryland Vital Statistics Annual Report 2005, Vital Statistics Administration (VSA), Department of Health and Mental Hygiene (DHMH).



Table 12: Number of All Cause- and Drug-Induced Deaths; Percentage of State Deaths due to Drugs Occurring in County, Percentage of All-Cause Deaths due to Drugs; and Rate of Drug-Induced Deaths in Maryland; by County and Statewide, 2005

County	Estimated Population, July 1, 2005*	Number of Deaths due to All Causes	Number of Drug-Induced Deaths	Percentage of State Drug-Induced Deaths Occurring in County	Percentage of All County Deaths that are Drug Induced	Drug-Induced Death Rate per 100,000 Population
	(#)	(#)	(#)	(%)	(%)	(Rate)
Allegany	73,639	930	9	1.3%	1.0%	12.2
Anne Arundel	510,878	3,665	72	10.4%	2.0%	14.1
Baltimore City	635,815	7,221	232	33.4%	3.2%	36.5
Baltimore County	786,113	7,784	118	17.0%	1.5%	15.0
Calvert	87,925	606	5	0.7%	0.8%	5.7
Caroline	31,822	296	3	0.4%	1.0%	9.4
Carroll	168,541	1,284	22	3.2%	1.7%	13.1
Cecil	97,796	722	16	2.3%	2.2%	16.4
Charles	138,822	856	7	1.0%	0.8%	5.0
Dorchester	31,401	386	6	0.9%	1.6%	19.1
Frederick	220,701	1,450	20	2.9%	1.4%	9.1
Garrett	29,909	307	2	0.3%	0.7%	6.7
Harford	239,259	1,708	26	3.7%	1.5%	10.9
Howard	269,457	1,328	16	2.3%	1.2%	5.9
Kent	19,899	204	1	0.1%	0.5%	5.0
Montgomery	927,583	5,448	46	6.6%	0.8%	5.0
Prince George's	846,123	5,119	45	6.5%	0.9%	5.3
Queen Anne's	45,612	366	4	0.6%	1.1%	8.8
Saint Mary's	96,518	679	12	1.7%	1.8%	12.4
Somerset	25,845	232	3	0.4%	1.3%	11.6
Talbot	35,683	440	1	0.1%	0.2%	2.8
Washington	141,895	1,367	13	1.9%	1.0%	9.2
Wicomico	90,402	864	11	1.6%	1.3%	12.2
Worcester	48,750	516	4	0.6%	0.8%	8.2
State Total	5,600,388	43,778	694	100.0%	1.6%	12.4

NOTES:

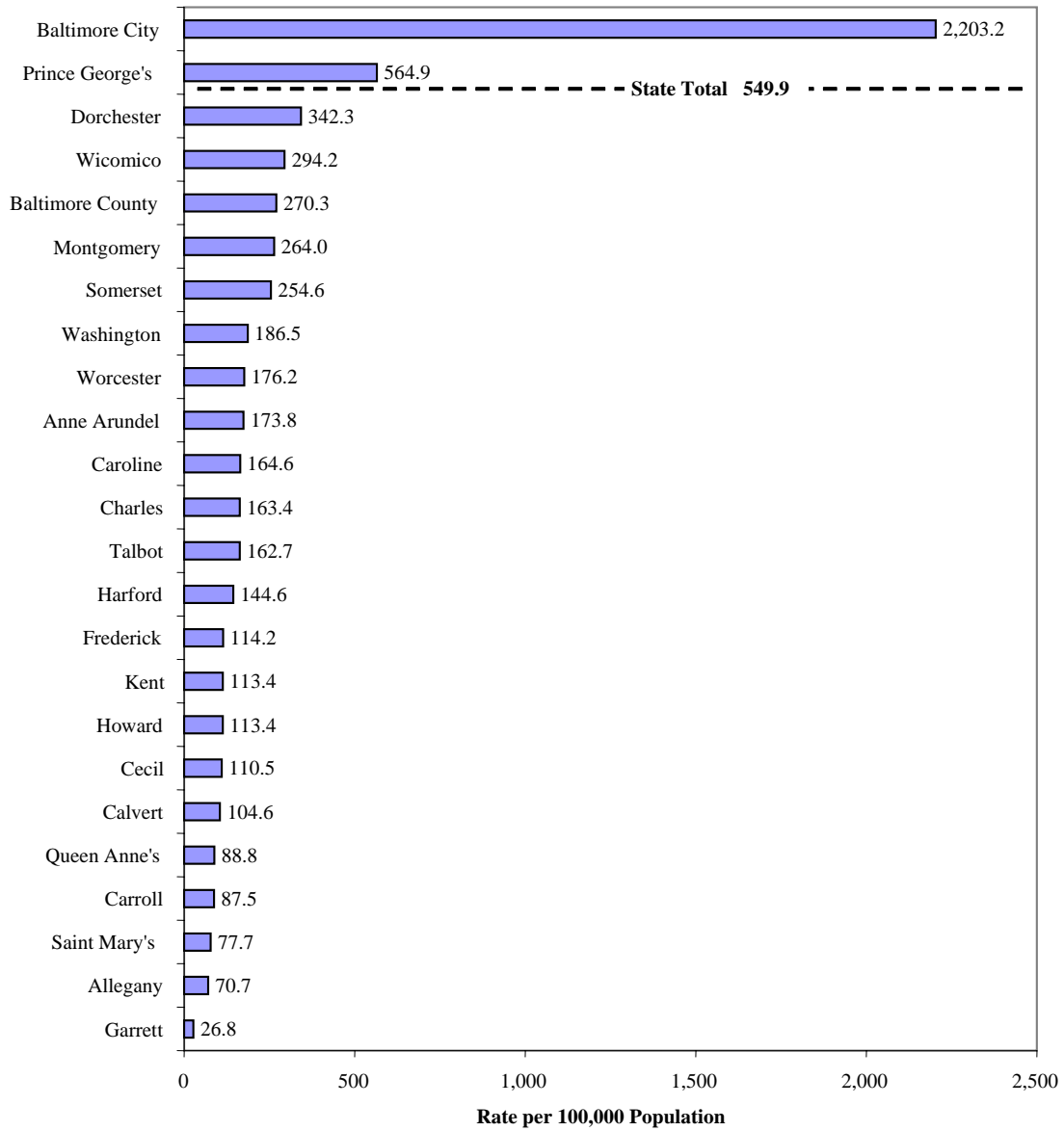
*2005 Population estimates for each county were prepared by the National Center for Health Statistics (NCHS) in collaboration with the U.S. Census Bureau.

**Drug-Induced Deaths include the following International Classification of Disease, Tenth Revision (ICD-10) Category Codes: F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14.

SOURCE: Adapted by CESAR from the Maryland Vital Statistics Annual Report 2005, Vital Statistics Administration (VSA), Department of Health and Mental Hygiene (DHMH).



**Figure 7: HIV/AIDS Prevalence Rates (per 100,000 population),
by Maryland County, 2004**

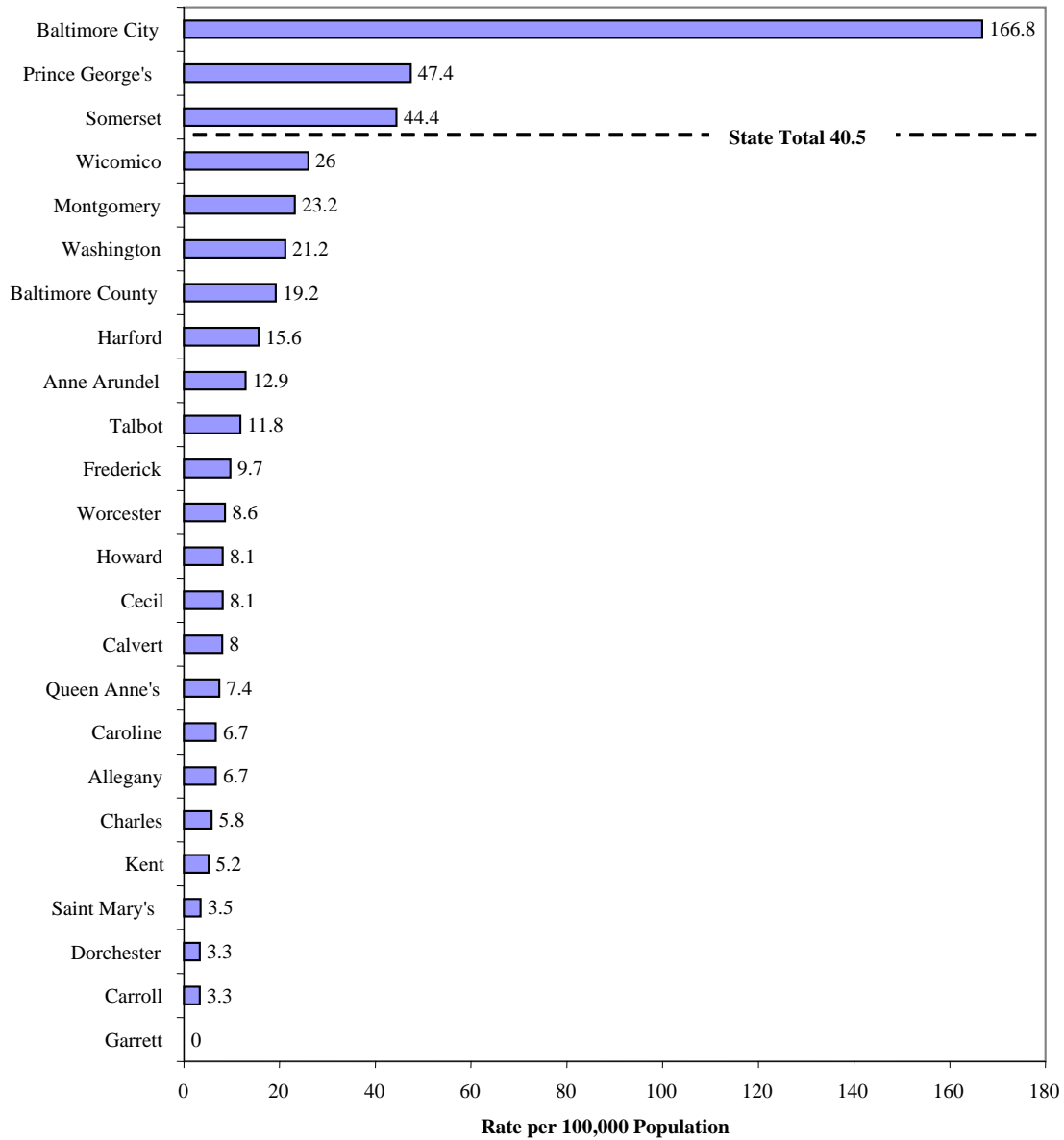


NOTES:

Prevalent HIV/AIDS Cases=number of people living with HIV and/or AIDS on December 31, 2004.

SOURCE: Adapted by CESAR from the Maryland 2005 HIV/AIDS Annual Report, AIDS Administration, MD Department of Health and Mental Hygiene (DHMH).

**Figure 8: HIV Incidence Rates (per 100,000 population),
by Maryland County, 2004**



NOTES:

Incident HIV Cases=number of newly diagnosed cases in 2004.

SOURCE: Adapted by CESAR from the Maryland 2005 HIV/AIDS Annual Report, AIDS Administration, MD Department of Health and Mental Hygiene (DHMH).

Table 13: Prevalent HIV/AIDS Cases, IDU-Related Exposure Among Prevalent HIV/AIDS Cases; HIV/AIDS Prevalence Rate and HIV Incidence Rate, by County and Statewide, 2004

County	Prevalent HIV/AIDS Cases*		IDU-Related Exposure among Prevalent HIV/AIDS Cases**	HIV/AIDS Prevalence Rate per 100,000 Population	HIV Incidence*** Rate per 100,000 Population
	(#)	(%)	(%)	(Rate)	(Rate)
Allegany	53	0.2%	13.2%	70.7	6.7
Anne Arundel	851	2.9%	18.3%	173.8	12.9
Baltimore City	14,346	49.3%	33.0%	2,203.2	166.8
Baltimore County	2,039	7.0%	20.5%	270.3	19.2
Calvert	78	0.3%	11.5%	104.6	8
Caroline	49	0.2%	10.2%	164.6	6.7
Carroll	132	0.5%	27.3%	87.5	3.3
Cecil	95	0.3%	25.3%	110.5	8.1
Charles	197	0.7%	11.7%	163.4	5.8
Dorchester	105	0.4%	15.2%	342.3	3.3
Frederick	223	0.8%	15.2%	114.2	9.7
Garrett	8	0.0%	37.5%	26.8	0
Harford	316	1.1%	18.0%	144.6	15.6
Howard	281	1.0%	8.9%	113.4	8.1
Kent	32	0.1%	15.6%	113.4	5.2
Montgomery	2,306	7.9%	8.8%	264.0	23.2
Prince George's	4,528	15.5%	11.6%	564.9	47.4
Queen Anne's	36	0.1%	13.9%	88.8	7.4
Saint Mary's	67	0.2%	10.4%	77.7	3.5
Somerset	63	0.2%	15.9%	254.6	44.4
Talbot	55	0.2%	16.4%	162.7	11.8
Washington	246	0.8%	17.9%	186.5	21.2
Wicomico	249	0.8%	11.6%	294.2	26
Worcester	82	0.3%	12.2%	176.2	8.6
Corrections	2,686	9.2%	51.7%	--	--
State Total	29,123	100.0%	26.4%	549.9	40.5

NOTES:

*Prevalent HIV and/or AIDS Cases=number of people living with HIV and/or AIDS on December 31, 2004.

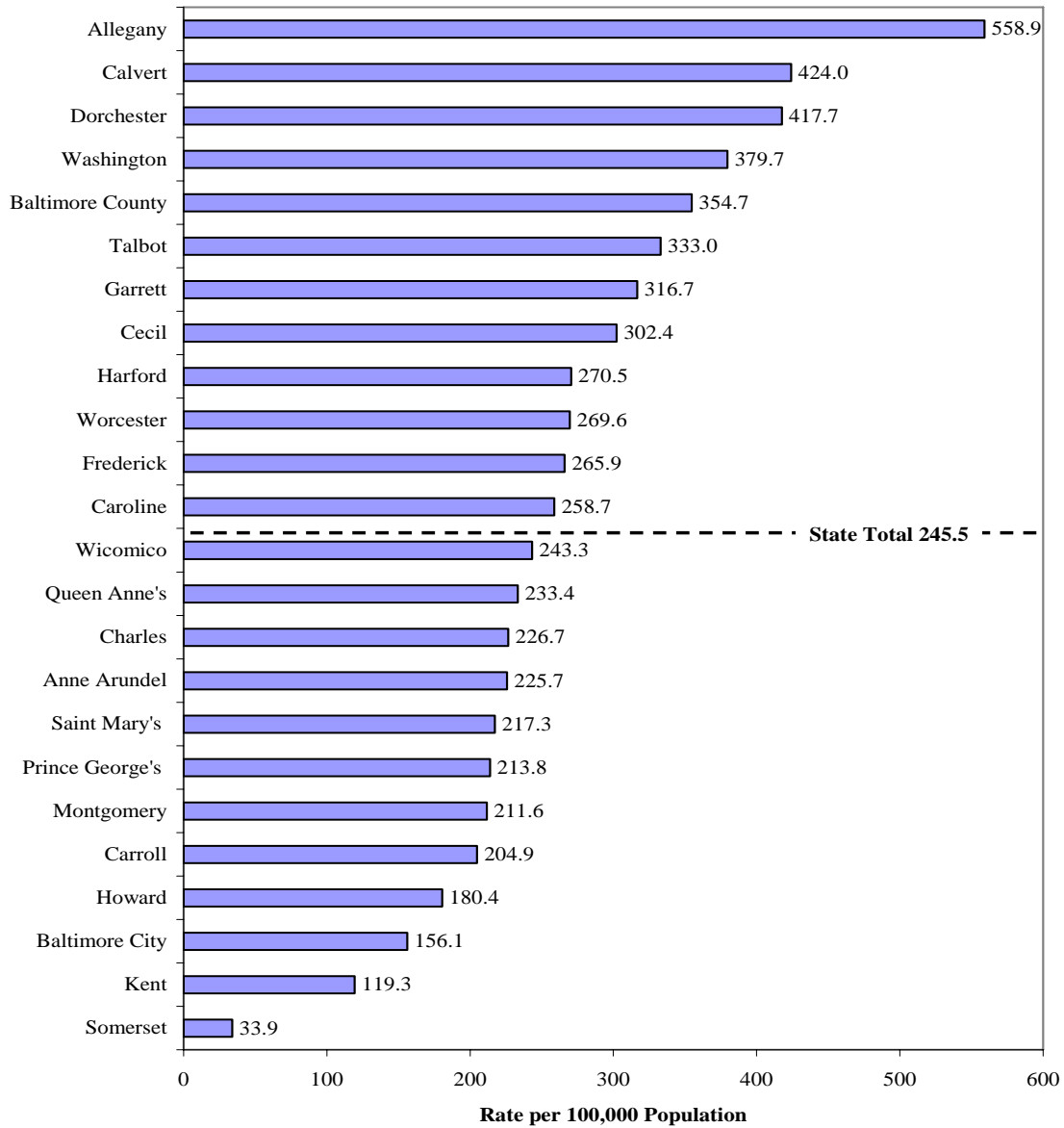
**IDU-related exposure categories include injection drug users and men who have sex with men and are injection drug users.

***Incident HIV Cases=number of newly diagnosed cases in 2004.

SOURCE: Adapted by CESAR from the Maryland 2005 HIV/AIDS Annual Report, AIDS Administration, MD Department of Health and Mental Hygiene (DHMH).



**Figure 9: Drug-Related Public School Suspension Rate (per 100,000),
by Maryland County, School Year 2004-2005**



NOTES:

Rates are based on Maryland State Department of Education (MSDE) public school enrollment figures as of September 30th of each school year. State Total includes data from the Edison Schools, so county totals will not sum to the state total.

SOURCE: Adapted by CESAR from Suspensions, Expulsions, and Health-Related Exclusions Maryland Public Schools, 2004-05, Division of Planning, Results, and Information Management (PRIM), Maryland State Department of Education (MSDE).

Table 14: Total Suspensions from Public Schools, Drug-Related Suspensions, Percentage of State Drug-Related Suspensions in County, Percentage of Drug-Related Suspensions in County, and Drug-Related Suspension Rate (per 100,000 students), by County and Statewide, School Year 2004-2005

County	2004-2005 Public School Enrollment (#)	All Suspensions (#)	Drug-Related Suspensions (#)	Percentage of All Drug- Related Suspensions Occurring in County (%)	Percentage of All County Suspensions that are Drug Related (%)	Drug-Related Suspension Rate per 100,000 Students (Rate)
Allegany	9,840	965	55	2.6%	5.7%	558.9
Anne Arundel	73,991	13,848	167	7.9%	1.2%	225.7
Baltimore City	88,401	16,641	138	6.5%	0.8%	156.1
Baltimore County	107,701	20,345	382	18.0%	1.9%	354.7
Calvert	17,451	1,862	74	3.5%	4.0%	424.0
Caroline	5,412	1,370	14	0.7%	1.0%	258.7
Carroll	28,792	2,054	59	2.8%	2.9%	204.9
Cecil	16,535	2,335	50	2.4%	2.1%	302.4
Charles	26,026	6,074	59	2.8%	1.0%	226.7
Dorchester	4,788	1,383	20	0.9%	1.4%	417.7
Frederick	39,489	5,235	105	4.9%	2.0%	265.9
Garrett	4,737	266	15	0.7%	5.6%	316.7
Harford	40,294	6,060	109	5.1%	1.8%	270.5
Howard	48,219	3,163	87	4.1%	2.8%	180.4
Kent	2,514	672	3	0.1%	0.4%	119.3
Montgomery	139,393	9,408	295	13.9%	3.1%	211.6
Prince George's	136,095	20,784	291	13.7%	1.4%	213.8
Queen Anne's	7,713	885	18	0.8%	2.0%	233.4
Saint Mary's	16,567	3,007	36	1.7%	1.2%	217.3
Somerset	2,952	1,020	1	0.0%	0.1%	33.9
Talbot	4,505	419	15	0.7%	3.6%	333.0
Washington	20,807	1,292	79	3.7%	6.1%	379.7
Wicomico	14,387	4,552	35	1.6%	0.8%	243.3
Worcester	6,676	707	18	0.8%	2.5%	269.6
State Total*	865,561	124,610	2,125	100.0%	1.7%	245.5

NOTES:

Rates are based on Maryland State Department of Education (MSDE) public school enrollment figures as of September 30th of each school year.

*State Total includes data from the Edison Schools so county totals will not sum to the state total.

SOURCE: Adapted by CESAR from Suspensions, Expulsions, and Health-Related Exclusions Maryland Public Schools, 2004-05, Division of Planning, Results, and Information Management (PRIM), Maryland State Department of Education (MSDE).



V. Illicit Drug Consumption

Cross County Indicators

12 or Older Illicit Drug Consumption.....29

Youth Illicit Drug Consumption30

Illicit Drug Treatment Admissions31



Table 15: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Past Month Use of Any Illicit Drug, Any Illicit Drug Other than Marijuana, and Marijuana and Past Year Use of Cocaine and Nonmedical Pain Relievers, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Average for State Data Based on 2003 and 2004 Survey

County*	2000 Census Population Aged 12+	Use in Past Month						Use in Past Year			
		Any Illicit Drug		Any Illicit Drug Other than Marijuana		Marijuana		Cocaine		Nonmedical Pain Reliever	
		%	No.**	%	No.**	%	No.**	%	No.**	%	No.**
Allegany	65,182	5.72%	3,728	3.19%	2,079	4.30%	2,803	1.74%	1,134	4.15%	2,705
Anne Arundel	406,842	7.19%	29,252	3.23%	13,141	5.78%	23,515	2.03%	8,259	4.03%	16,396
Baltimore City	543,011	9.63%	52,292	3.75%	20,363	6.96%	37,794	3.52%	19,114	3.95%	21,449
Baltimore County	637,029	6.38%	40,642	3.10%	19,748	5.05%	32,170	1.95%	12,422	3.51%	22,360
Calvert	60,331	6.89%	4,157	3.57%	2,154	5.13%	3,095	2.04%	1,231	4.41%	2,661
Caroline	24,618	6.89%	1,696	3.57%	879	5.13%	1,263	2.04%	502	4.41%	1,086
Carroll	123,425	5.72%	7,060	3.19%	3,937	4.30%	5,307	1.74%	2,148	4.15%	5,122
Cecil	70,186	6.89%	4,836	3.57%	2,506	5.13%	3,601	2.04%	1,432	4.41%	3,095
Charles	97,760	6.89%	6,736	3.57%	3,490	5.13%	5,015	2.04%	1,994	4.41%	4,311
Dorchester	26,111	6.89%	1,799	3.57%	932	5.13%	1,339	2.04%	533	4.41%	1,151
Frederick	159,222	5.72%	9,107	3.19%	5,079	4.30%	6,847	1.74%	2,770	4.15%	6,608
Garrett	25,032	5.72%	1,432	3.19%	799	4.30%	1,076	1.74%	436	4.15%	1,039
Harford	177,909	6.38%	11,351	3.10%	5,515	5.05%	8,984	1.95%	3,469	3.51%	6,245
Howard	200,625	6.38%	12,800	3.10%	6,219	5.05%	10,132	1.95%	3,912	3.51%	7,042
Kent	16,671	6.89%	1,149	3.57%	595	5.13%	855	2.04%	340	4.41%	735
Montgomery	723,617	6.42%	46,456	2.60%	18,814	4.96%	35,891	1.41%	10,203	3.12%	22,577
Prince George's	654,330	7.08%	46,327	2.73%	17,863	5.38%	35,203	1.83%	11,974	2.94%	19,237
Queen Anne's	33,710	6.89%	2,323	3.57%	1,203	5.13%	1,729	2.04%	688	4.41%	1,487
Saint Mary's	70,089	6.89%	4,829	3.57%	2,502	5.13%	3,596	2.04%	1,430	4.41%	3,091
Somerset	21,730	6.89%	1,497	3.57%	776	5.13%	1,115	2.04%	443	4.41%	958
Talbot	29,063	6.89%	2,002	3.57%	1,038	5.13%	1,491	2.04%	593	4.41%	1,282
Washington	111,533	5.72%	6,380	3.19%	3,558	4.30%	4,796	1.74%	1,941	4.15%	4,629
Wicomico	70,911	6.89%	4,886	3.57%	2,532	5.13%	3,638	2.04%	1,447	4.41%	3,127
Worcester	40,357	6.89%	2,781	3.57%	1,441	5.13%	2,070	2.04%	823	4.41%	1,780
State Total***	--	7.03%	317,000	3.14%	142,000	5.54%	250,000	2.22%	100,000	3.48%	157,000

NOTES:

Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

Illicit Drugs Other Than Marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

*County-Level Figures: Model-based estimates of dependence or abuse of illicit drugs were produced for sub-state regions by the Substance Abuse and Mental Health Services Administration (SAMHSA). The regions were defined as follows: Anne Arundel=Anne Arundel County; Baltimore City=Baltimore City; Central=Baltimore, Harford, and Howard Counties; Montgomery=Montgomery County; Prince George's=Prince George's County; Rural=Calvert, Caroline, Cecil, Charles, Dorchester, Kent, Queen Anne's, St. Mary's, Somerset, Talbot, Wicomico, and Worcester Counties; Western=Allegany, Carroll, Frederick, Garrett, and Washington Counties. The sub-state percentages produced by SAMHSA were applied to each county within the defined sub-state regions to derive estimates at the county level.

** Estimated Number: County estimates of number of residents using specified drug(s) is based on 2000 Census data on population 12 years and older. The state estimate is produced by SAMHSA Office of Applied Studies (OAS).

***Sum of county estimates do not equal State Total because the state figures are based on pooled data from two years worth of data (i.e., 2003 and 2004 surveys) and county figures are based on pooled data from three years worth of data (i.e., 2002, 2003, and 2004 surveys).

SOURCE: Adapted by CESAR from Substance Abuse and Mental Health Services Administration (SAMHSA), Office of Applied Studies (OAS), National Survey on Drug Use and Health (NSDUH), 2002, 2003, 2004.



Table 16: Percentage and Estimated Number of Maryland Seniors Reporting Past Month Use of Various Drugs, by County and Statewide, School Year 2004-2005

County	12th Grade Student Enrollment	Use in Past Month															
		Marijuana		Crack		Other forms of Cocaine		Methamphetamines*		Heroin		Amphetamines**		Narcotics***		Any Drug other than Alc or Tobacco	
		%	Estimated No.	%	Estimated No.	%	Estimated No.	%	Estimated No.	%	Estimated No.	%	Estimated No.	%	Estimated No.	%	Estimated No.
Allegany	749	19.4%	145	3.3%	25	4.4%	33	3.7%	28	2.4%	18	8.8%	66	7.5%	56	25.7%	192
Anne Arundel	4,954	23.1%	1,144	2.5%	124	2.4%	119	2.2%	109	1.6%	79	3.8%	188	6.1%	302	28.3%	1,402
Baltimore City	4,568	19.9%	909	1.4%	64	0.9%	41	1.0%	46	0.7%	32	1.0%	46	0.8%	37	21.1%	964
Baltimore County	7,596	25.1%	1,907	2.3%	175	3.2%	243	1.7%	129	1.1%	84	5.6%	425	5.2%	395	30.0%	2,279
Calvert	1,284	20.7%	266	1.2%	15	3.0%	39	0.6%	8	0.7%	9	6.6%	85	8.3%	107	26.9%	345
Caroline	359	19.4%	70	2.6%	9	3.9%	14	3.0%	11	3.0%	11	4.2%	15	5.1%	18	25.3%	91
Carroll	2,159	17.5%	378	2.0%	43	2.6%	56	1.5%	32	0.9%	19	6.9%	149	4.5%	97	21.3%	460
Cecil	1,126	19.0%	214	2.2%	25	3.9%	44	2.2%	25	1.7%	19	8.2%	92	9.5%	107	26.3%	296
Charles	1,879	18.2%	342	2.2%	41	2.5%	47	1.3%	24	0.2%	4	3.9%	73	4.0%	75	23.4%	440
Dorchester	292	29.1%	85	1.3%	4	5.0%	15	0.7%	2	1.3%	4	5.0%	15	4.9%	14	33.4%	98
Frederick	2,817	22.9%	645	2.9%	82	5.0%	141	2.4%	68	2.9%	82	6.2%	175	4.6%	130	28.6%	806
Garrett	301	20.5%	62	2.9%	9	7.8%	23	5.8%	17	2.0%	6	9.3%	28	6.8%	20	24.8%	75
Harford	2,746	24.9%	684	1.9%	52	2.9%	80	2.1%	58	1.6%	44	5.6%	154	4.3%	118	28.8%	791
Howard	3,373	20.3%	685	2.2%	74	3.7%	125	2.2%	74	1.7%	57	4.3%	145	3.3%	111	24.2%	816
Kent	152	23.7%	36	2.1%	3	4.1%	6	3.0%	5	1.2%	2	8.7%	13	5.5%	8	30.1%	46
Montgomery	9,968	23.4%	2,333	2.6%	259	2.7%	269	2.4%	239	1.7%	169	5.3%	528	3.8%	379	27.4%	2,731
Prince George's	8,354	18.5%	1,545	2.2%	184	1.8%	150	1.0%	84	1.2%	100	1.9%	159	2.1%	175	21.0%	1,754
Queen Anne's	499	23.3%	116	6.0%	30	5.4%	27	4.6%	23	5.4%	27	9.4%	47	7.3%	36	30.1%	150
Saint Mary's	1,038	21.6%	224	3.4%	35	5.3%	55	2.6%	27	0.4%	4	7.1%	74	3.5%	36	25.3%	263
Somerset	176	17.0%	30	3.1%	5	4.7%	8	2.3%	4	1.4%	2	3.1%	5	4.8%	8	18.8%	33
Talbot	217	27.1%	59	2.3%	5	7.7%	17	2.3%	5	2.3%	5	5.9%	13	9.7%	21	33.2%	72
Washington	1,403	22.5%	316	3.5%	49	6.4%	90	3.9%	55	3.4%	48	8.5%	119	6.1%	86	27.8%	390
Wicomico	867	22.2%	192	2.8%	24	3.8%	33	1.6%	14	1.6%	14	2.9%	25	3.3%	29	24.8%	215
Worcester	555	29.1%	162	2.8%	16	6.0%	33	3.5%	19	1.8%	10	7.7%	43	7.7%	43	35.3%	196
State Total	57,432	21.9%	12,578	2.3%	1,321	2.9%	1,666	1.9%	1,091	1.5%	861	4.6%	2,642	4.2%	2,412	26.0%	14,932

NOTES:

The MAS Report does not provide the standard errors around these observations; therefore, caution should be exercised in interpreting any differences between counties.

* Methamphetamines include: meth, speed, crack, and ice

**Amphetamines include: uppers, bennies, speed, and dexies

***Narcotics include: Codeine, Morphine, Methadone, and Percodan

SOURCE: Adapted by CESAR from Maryland State Department of Education (MSDE), 2004 Maryland Adolescent Survey (MAS)



Table 17: Admissions to Maryland Substance Abuse Treatment Programs with Specific Substances of Abuse, by County of Residence, 2006

County of Residence	Total Number of Treatment Admissions	Drug Mention*											
		Marijuana		Cocaine		Heroin		Oxycodone		Other Opiates**		Methamphetamines	
	#	#	%	#	%	#	%	#	%	#	%	#	%
Allegany	1,157	497	43.0%	304	26.3%	245	21.2%	312	27.0%	205	17.7%	6	0.5%
Anne Arundel	5,955	1,866	31.3%	1,811	30.4%	1,662	27.9%	530	8.9%	455	7.6%	14	0.2%
Baltimore City	19,382	4,142	21.4%	11,140	57.5%	12,650	65.3%	348	1.8%	871	4.5%	22	0.1%
Baltimore County	7,640	2,404	31.5%	2,701	35.4%	2,592	33.9%	573	7.5%	646	8.5%	20	0.3%
Calvert	1,480	747	50.5%	581	39.3%	116	7.8%	154	10.4%	73	4.9%	7	0.5%
Caroline	512	244	47.7%	176	34.4%	47	9.2%	33	6.4%	21	4.1%	3	0.6%
Carroll	1,717	598	34.8%	610	35.5%	472	27.5%	121	7.0%	109	6.3%	10	0.6%
Cecil	1,203	459	38.2%	464	38.6%	333	27.7%	227	18.9%	101	8.4%	6	0.5%
Charles	1,593	715	44.9%	497	31.2%	105	6.6%	96	6.0%	53	3.3%	8	0.5%
Dorchester	642	369	57.5%	297	46.3%	32	5.0%	26	4.0%	12	1.9%	1	0.2%
Frederick	2,211	845	38.2%	759	34.3%	236	10.7%	167	7.6%	93	4.2%	7	0.3%
Garrett	413	164	39.7%	76	18.4%	51	12.3%	40	9.7%	30	7.3%	2	0.5%
Harford	1,728	679	39.3%	512	29.6%	380	22.0%	134	7.8%	109	6.3%	8	0.5%
Howard	1,306	447	34.2%	412	31.5%	324	24.8%	93	7.1%	101	7.7%	6	0.5%
Kent	473	208	44.0%	203	42.9%	34	7.2%	35	7.4%	51	10.8%	0	0.0%
Montgomery	5,268	1,736	33.0%	1,750	33.2%	494	9.4%	234	4.4%	212	4.0%	19	0.4%
Prince George's	4,173	2,032	48.7%	1,652	39.6%	397	9.5%	103	2.5%	63	1.5%	8	0.2%
Queen Anne's	710	328	46.2%	243	34.2%	85	12.0%	43	6.1%	23	3.2%	0	0.0%
Saint Mary's	1,258	453	36.0%	470	37.4%	61	4.8%	109	8.7%	34	2.7%	3	0.2%
Somerset	544	273	50.2%	247	45.4%	56	10.3%	28	5.1%	11	2.0%	0	0.0%
Talbot	572	253	44.2%	187	32.7%	52	9.1%	34	5.9%	10	1.7%	2	0.3%
Washington	1,795	848	47.2%	592	33.0%	219	12.2%	160	8.9%	86	4.8%	4	0.2%
Wicomico	1,868	956	51.2%	907	48.6%	203	10.9%	95	5.1%	61	3.3%	6	0.3%
Worcester	1,121	522	46.6%	398	35.5%	90	8.0%	40	3.6%	35	3.1%	6	0.5%
State Total	64,721	21,785	33.7%	26,989	41.7%	20,936	32.3%	3,735	5.8%	3,465	5.4%	168	0.3%

NOTES:

*Treatment clients are screened at intake to determine their major substance of abuse. Each client's primary, secondary, and tertiary drugs of abuse are reported to SAMIS. Since each admission may have up to three substances associated with it, the sum of drug mentions will not equal the number of admissions.

**Other Opiates: Includes non-rx methadone and "other opiates."

SOURCE: Adapted by CESAR from Substance Abuse Management Information System (SAMIS), Maryland Alcohol and Drug Abuse Administration (ADAA)



VI. Tobacco Consumption

Cross County Indicators

Adult Consumption.....33

12 or Older Consumption.....34

Youth Consumption35



Table 18: Estimated Prevalence of Adults who are Current Smokers,* by County and Statewide, 2005

	Current Smoker*	
	%	Confidence Interval
Allegany	22.5%	15.6-29.4
Anne Arundel	19.6%	15.8-23.4
Baltimore City	28.9%	24.7-33.2
Baltimore County	19.9%	16.9-22.9
Calvert	18.1%	11.8-24.4
Caroline	29.7%	17.9-41.5
Carroll	22.8%	16.1-29.5
Cecil	20.5%	14.6-26.4
Charles	16.4%	11.3-21.5
Dorchester	16.3%	6.7-25.9
Frederick	16.8%	13.2-20.4
Garrett	11.1%	3.8-18.4
Harford	25.7%	19.7-31.7
Howard	9.2%	5.5-12.9
Kent	22.1%	9.2-35.0
Montgomery	11.2%	9.0-13.4
Prince George's	17.8%	14.5-21.1
Queen Anne's	21.3%	12.8-29.8
Saint Mary's	18.3%	12.7-24.0
Somerset	34.7%	19.0-50.4
Talbot	9.2%	3.2-15.2
Washington	25.5%	20.4-30.6
Wicomico	25.2%	18.8-31.6
Worcester	16.8%	18.8-31.6
State Total	18.9%	17.8-20.0

NOTES:

%=Percent weighted to the Maryland population.

Confidence Interval=Confidence Interval range at the 95% probability level.

Counties with overlapping confidence intervals do not differ from one another.

*Current Smoker=smoked at least 100 cigarettes in their lifetime and currently smokes.

SOURCE: Adapted by CESAR from the Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2005.



Table 19: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Past Month Cigarette Use and Use of Any Tobacco Products, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Averages for State Data Based on 2003 and 2004 Surveys

County*	2000 Census Population Aged 12+	Use in Past Month			
		Cigarettes		Any Tobacco Product	
		%	Estimated No.**	%	Estimated No.**
Allegany	65,182	24.07%	15,689	28.05%	18,284
Anne Arundel	406,842	24.74%	100,653	29.79%	121,198
Baltimore City	543,011	28.92%	157,039	32.32%	175,501
Baltimore County	637,029	22.86%	145,625	26.61%	169,513
Calvert	60,331	25.97%	15,668	30.73%	18,540
Caroline	24,618	25.97%	6,393	30.73%	7,565
Carroll	123,425	24.07%	29,708	28.05%	34,621
Cecil	70,186	25.97%	18,227	30.73%	21,568
Charles	97,760	25.97%	25,388	30.73%	30,042
Dorchester	26,111	25.97%	6,781	30.73%	8,024
Frederick	159,222	24.07%	38,325	28.05%	44,662
Garrett	25,032	24.07%	6,025	28.05%	7,021
Harford	177,909	22.86%	40,670	26.61%	47,342
Howard	200,625	22.86%	45,863	26.61%	53,386
Kent	16,671	25.97%	4,329	30.73%	5,123
Montgomery	723,617	17.07%	123,521	20.41%	147,690
Prince George's	654,330	22.36%	146,308	24.92%	163,059
Queen Anne's	33,710	25.97%	8,754	30.73%	10,359
Saint Mary's	70,089	25.97%	18,202	30.73%	21,538
Somerset	21,730	25.97%	5,643	30.73%	6,678
Talbot	29,063	25.97%	7,548	30.73%	8,931
Washington	111,533	24.07%	26,846	28.05%	31,285
Wicomico	70,911	25.97%	18,416	30.73%	21,791
Worcester	40,357	25.97%	10,481	30.73%	12,402
State Total***	--	23.05%	1,044,000	26.79%	1,213,000

NOTES:

Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

*County-Level Figures: Model-based estimates of cigarette and tobacco use were produced for sub-state regions by the Substance Abuse and Mental Health Services Administration (SAMHSA). The regions were defined as follows: Anne Arundel=Anne Arundel County; Baltimore City=Baltimore City; Central=Baltimore, Harford, and Howard Counties; Montgomery=Montgomery County; Prince George's=Prince George's County; Rural=Calvert, Caroline, Cecil, Charles, Dorchester, Kent, Queen Anne's, St. Mary's, Somerset, Talbot, Wicomico, and Worcester Counties; Western=Allegany, Carroll, Frederick, Garrett, and Washington Counties. The sub-state percentages produced by SAMHSA were applied to each county within the defined sub-state regions to derive estimates at the county level.

** Estimated Number: County estimates of number of residents reporting tobacco use is based on 2000 Census data on population 12 years and older. The state estimate is produced by SAMHSA Office of Applied Studies (OAS).

*** Sum of county estimates do not equal State Total because the state figures are based on pooled data from two years worth of data (i.e., 2003 and 2004 surveys) and county figures are based on pooled data from three years worth of data (i.e., 2002, 2003, and 2004 surveys).

SOURCE: Adapted by CESAR from Substance Abuse and Mental Health Services Administration (SAMHSA), Office of Applied Studies (OAS), National Survey on Drug Use and Health (NSDUH), 2002, 2003, 2004.



Table 20: Percentage and Estimated Number of Maryland Seniors Reporting Past Month Cigarette and Smokeless Tobacco Use, by County and Statewide, School Year 2004-2005

County	12th Grade Student Enrollment	Use in Past Month			
		Cigarettes		Smokeless Tobacco	
		%	Estimated No.	%	Estimated No.
Allegany	749	30.8%	231	7.5%	56
Anne Arundel	4,954	23.2%	1,149	2.9%	144
Baltimore City	4,568	8.3%	379	1.4%	64
Baltimore County	7,596	23.6%	1,793	2.5%	190
Calvert	1,284	22.6%	290	2.0%	26
Caroline	359	33.0%	118	12.5%	45
Carroll	2,159	23.2%	501	7.4%	160
Cecil	1,126	24.6%	277	5.2%	59
Charles	1,879	21.5%	404	4.1%	77
Dorchester	292	25.7%	75	4.4%	13
Frederick	2,817	25.6%	721	7.9%	223
Garrett	301	23.8%	72	13.0%	39
Harford	2,746	23.5%	645	4.0%	110
Howard	3,373	18.1%	611	4.7%	159
Kent	152	27.5%	42	6.7%	10
Montgomery	9,968	19.4%	1,934	3.2%	319
Prince George's	8,354	11.8%	986	2.1%	175
Queen Anne's	499	29.2%	146	8.2%	41
Saint Mary's	1,038	24.4%	253	2.1%	22
Somerset	176	22.0%	39	9.2%	16
Talbot	217	32.1%	70	8.7%	19
Washington	1,403	26.2%	368	6.5%	91
Wicomico	867	19.8%	172	4.1%	36
Worcester	555	24.6%	137	5.4%	30
State Total	57,432	19.8%	11,372	3.7%	2,125

NOTES:

The Maryland Adolescent Survey (MAS) Report does not provide the standard errors around these observations; therefore, caution should be exercised in interpreting any differences between counties.

SOURCE: Adapted by CESAR from the Maryland State Department of Education (MSDE), 2004 Maryland Adolescent Survey (MAS).



VII. Appendices

A. Maryland State Epidemiological Outcomes Workgroup Overview37

B. List of Tables and Figures.....39



MARYLAND

STATE EPIDEMIOLOGICAL OUTCOMES WORKGROUP

(MD SEOW)

ORIGINATION AND BACKGROUND

The Maryland State Epidemiological Outcomes Workgroup (SEOW) was created in March 2006, with funding from Substance Abuse and Mental Health Services Administration's (SAMHSA) Center for Substance Abuse Prevention (CSAP), to guide the development of a state-of-the-art empirically based system for setting priorities for the state's substance abuse prevention activities. This project is being coordinated by staff at the Maryland Alcohol and Drug Abuse Administration (ADAA) and at the University of Maryland's Center for Substance Abuse Research (CESAR). The core membership of the MD SEOW is comprised of state agency representatives, researchers, and policymakers.

MISSION

The MD SEOW will monitor the use of alcohol, tobacco, and other drugs and the consequences of their use in Maryland in order to identify and prioritize the prevention needs of the state. To achieve this end the MD SEOW will oversee the collection, interpretation, and dissemination of statewide data that quantifies substance use and its consequences for Maryland.

GOALS

1. Determine and monitor the scope of substance abuse and substance abuse-related problems in Maryland by utilizing SAMHSA's National Outcome Measures (NOMs) and additional jurisdictional data.
2. Facilitate data-driven decisionmaking across the state to assure the effective and efficient use of resources by providing useful information to inform prevention planning and guide prevention funding priorities.
3. Support ongoing development of a state prevention plan as a part of the State Drug and Alcohol Abuse Council's drug strategy by producing an annual state epidemiological profile.
4. Provide a means for disseminating and sharing data and information collected.



MARYLAND STATE EPIDEMIOLOGICAL OUTCOMES WORKGROUP CORE MEMBERSHIP

CHAIRPERSON: Peter F. Luongo, Ph.D.,
Director, Maryland Alcohol and Drug Abuse Administration (ADAA)

EPIDEMIOLOGISTS: Eric D. Wish, Ph.D., and Erin Artigiani,
University of Maryland, Center for Substance Abuse Research (CESAR)

MEMBER AFFILIATION	MEMBERS
Department of Alcohol and Drug Addiction Services	Eugenia Conolly, ADAA Bill Rusinko, ADAA Erik Gonder, ADAA Steve Bocian, ADAA Virgil Boysaw, Anne Arundel County Rhonda Callum, ADAA David Ennis, ADAA Bruce Meade, ADAA Susan Jenkins, ADAA Suzette Tucker, ADAA
Department of Education	Maryland State Department of Education
Department of Mental Health	Robin Jacobs, Mental Health Administration
Department of Public Health	Dr. Mary Ripple, Deputy Medical Examiner
Department of Public Safety	Richard Rosenblatt, Deputy Secretary for Treatment Services
Department of Youth Services	Alberta Brier, Department of Juvenile Services John Irvine, Department of Juvenile Services
Criminal Justice Agencies	Zach McMenamin, Washington/Baltimore High Intensity Drug Trafficking Area Michael Muth, Washington/Baltimore HIDTA
National Guard	1 st Lt. Patricia J. Johnson Sgt Latia Adams
State Police	Lt. Ivan Quinones, Maryland State Police
Office of Highway Safety	Peter Moe, State Highway Administration
Office of the Governor	Maribeth Stapleton, Governors Office of Children Anissa Walker, Governors Office of Crime Control and Prevention
Service Provider Organizations	Sandy Wilson, MD Prevention Professionals Association
Universities	Dr. Suzanne Doyon, MD Poison Center Vanessa Cooke, Bowie State Dr. Kimberly Poole, University of Maryland Eastern Shore Dr. Tony Tommasello, Office for Substance Abuse Studies
Various City Governments	Dr. Tom Cargiulo, Howard County Dr. Elaine Swift, Baltimore City Kathy Rebbert-Franklin, Baltimore County John Mitchell, Calvert County Dr. Mark Carpenter, Talbot County Chris Delaney, Allegany County
State Drug and Alcohol Abuse Council	Suzan Swanton, Exec. Director of State Drug and Alcohol Council
Center for Substance Abuse Research	Cheryl Rinehart, CESAR Margaret Hsu, CESAR

Maryland Compendium of Cross County Indicators on the Consequences and Consumption of Alcohol, Illicit Drugs, and Tobacco

List of Tables and Figures

Alcohol Consequence

Tables:

Table 1: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Dependence or Abuse of Alcohol in the Past Year, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Averages for State Data Based on 2003 and 2004 Surveys3

Table 2: Number of Total and Alcohol-Related Crashes and Fatal Crashes; Percentage of Alcohol-Related Crashes/Fatal Crashes Occurring in the County, Percentage of Total Crashes/Fatal Crashes due to Alcohol in Maryland; by County and Statewide, 2005.....5

Table 3: Numbers, Percentages,* and Rates** per 100,000 Population of Violent Crimes and Estimated Number of Crimes that are Alcohol-Related,*** by Type of Crime, County, and Statewide, Maryland, 2005.....7

Table 4: Number of All Cause- and Alcohol-Induced Deaths; Percentage of State Alcohol-Induced Deaths, Percentage of All-Cause Deaths due to Alcohol; and Rate of Alcohol-Induced Deaths in Maryland; by County and Statewide, 2005.....9

Table 5: Total Suspensions from Public Schools, Alcohol-Related Suspensions, Percentage of Alcohol-Related Suspensions, Percentage of Alcohol-Related Suspensions in County, and Alcohol-Related Suspension Rate (per 100,000 students), by County, School Year.....11

Figures:

Figure 1: Percentage of Crashes that are Alcohol Related, by Maryland County, 2005.....4

Figure 2: Violent Crime Rate (per 100,000 population), by Maryland County, 20056

Figure 3: Alcohol-Induced Death Rate (per 100,000) by Maryland County, 20058

Figure 4: Alcohol-Related Public School Suspension Rate (per 100,000), by Maryland County, School Year 2004-200510

Alcohol Consumption

Tables:

Table 6: Estimated Prevalence of Adults who Reported Binge Drinking* and Heavy Drinking,** by County and Statewide, 2005.....13

Table 7: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Past Month Alcohol Use and Binge Alcohol Use, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Average for State Data Based on 2003 and 2004 Surveys.....14



Table 8: Percentage and Estimated Number of Maryland Seniors Reporting Past Month Alcohol Use and Binge Drinking, by County and Statewide, School Year 2004-2005 15

Table 9: Admissions to Maryland Substance Abuse Treatment Programs where Alcohol (alone or with secondary drug)* was Cited as the Primary Substance of Abuse, by County of Residence and Statewide, 2006..... 16

Illicit Drug Consequence

Tables:

Table 10: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Dependence or Abuse of Illicit Drugs in the Past Year, by County* and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Averages for State Data Based on 2003 and 2003 18

Table 11: Numbers, Percentages,* and Rates per 100,000 Population of Property Crimes and Estimated Number of Crimes that are Drug-Related,**by Type of Crime, County, and Statewide, Maryland, 2005 20

Table 12: Number of All Cause- and Drug-Induced Deaths; Percentage of State Deaths due to Drugs Occurring in County, Percentage of All-Cause Deaths due to Drugs; and Rate of Drug-Induced Deaths in Maryland; by County and Statewide, 2005 22

Table 13: Prevalent HIV/AIDS Cases, IDU-Related Exposure Among Prevalent HIV/AIDS Cases; HIV/AIDS Prevalence Rate and HIV Incidence Rate, by County and Statewide, 2004 25

Table 14: Total Suspensions from Public Schools, Drug-Related Suspensions, Percentage of State Drug-Related Suspensions in County, Percentage of Drug-Related Suspensions in County, and Drug-Related Suspension Rate (per 100,000 students), by County and Statewide, School Year 2004-2005..... 27

Illicit Drug Consumption

Figures:

Figure 5: Property Crime Rate (per 100,000 population), by Maryland County, 2004 19

Figure 6: Drug-Induced Death Rates (per 100,000), by Maryland County, 2005..... 21

Figure 7: HIV/AIDS Prevalence Rates (per100,000 population), by Maryland County, 2004 23

Figure 8: HIV Incidence Rates (per100,000 population), by Maryland County, 2004..... 24

Figure 9: Drug-Related Public School Suspension Rate (per 100,000), by Maryland County, School Year 2004-2005 26

Illicit Drug Consumption

Tables:

Table 15: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Past Month Use of Any Illicit Drug, Any Illicit Drug Other than Marijuana, and Marijuana and Past Year Use of Cocaine and Nonmedical Pain Relievers, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Average for State Data Based on 2003 and 2004 Survey 29



Table 16: Percentage and Estimated Number of Maryland Seniors Reporting Past Month Use of Various Drugs, by County and Statewide, School Year 2004-200530

Table 17: Admissions to Maryland Substance Abuse Treatment Programs with Specific Substances of Abuse, by County of Residence, 200631

Tobacco Consumption

Tables:

Table 18: Estimated Prevalence of Adults who are Current Smokers,* by County and Statewide, 200533

Table 19: Percentage and Estimated Number of Maryland Residents Aged 12 or Older Reporting Past Month Cigarette Use and Use of Any Tobacco Products, by County and Statewide, Annual Averages for County Data Based on 2002, 2003, and 2004 Surveys; Annual Average for State Data Based on 2003 and 2004 Surveys34

Table 20: Percentage and Estimated Number of Maryland Seniors Reporting Past Month Cigarette and Smokeless Tobacco Use, by County and Statewide, School Year 2004-200535

