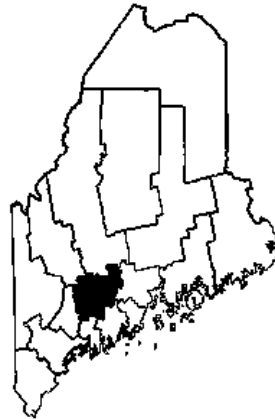


# **MAINE'S STRATEGIC PREVENTION FRAMEWORK STATE INCENTIVE GRANT**

## **SUBSTANCE CONSUMPTION AND CONSEQUENCES**

### **COUNTY PROFILE SUPPLEMENT: KENNEBEC**



**PREPARED FOR:  
MAINE OFFICE OF SUBSTANCE ABUSE**

**BY:  
HORNBY ZELLER ASSOCIATES, INC.**

**REVISED SEPTEMBER 2006**

# SUBSTANCE CONSUMPTION AND CONSEQUENCES

## KENNEBEC COUNTY

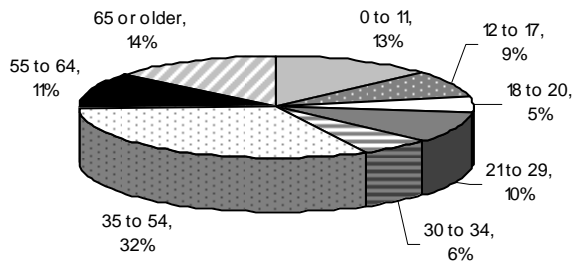
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### INTRODUCTION

As part of the needs assessment, Strategic Prevention Framework State Incentive Grant Phase I grantees are asked to examine countywide consumption and consequence data in order to identify substance prevention priorities. The following pages contain charts and figures for Kennebec County that come from a variety of sources and mirror the statewide epidemiological work done in the past year. This document provides a starting point for answering some of the key questions that are asked in the SPF SIG needs assessment process outlined in *Maine's Strategic Prevention Framework Guide to Assessment and Planning*.

### COUNTY POPULATION

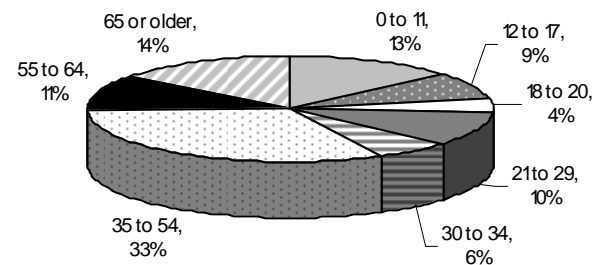
**Total population, by age:  
Kennebec County, 2003**



N = 119,683

Source: National Center for Health Statistics and U.S. Census Bureau, 2003.

**Total population, by age:  
Maine, 2003**



N = 1,305,732

Source: National Center for Health Statistics and U.S. Census Bureau, 2003.

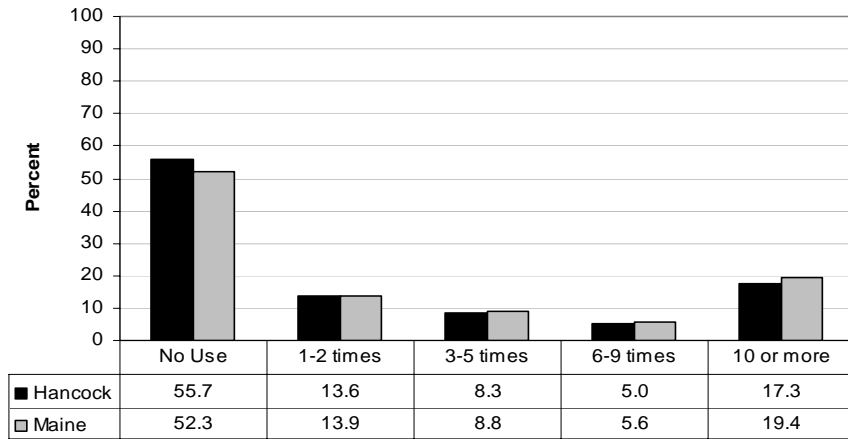
The residents of Kennebec County are similar to the State in terms of age. Therefore, observed differences between the county and the State are likely not attributable to a different age composition.

# SUBSTANCE CONSUMPTION: YOUTH

## KENNEBEC COUNTY

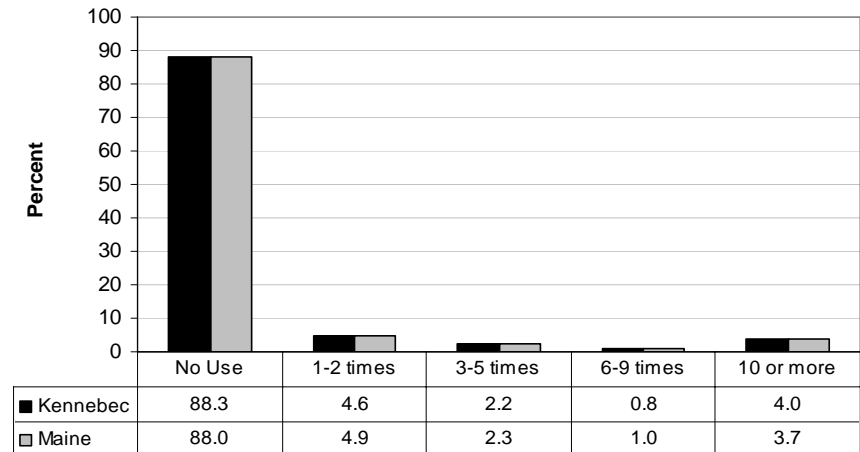
### LIFETIME CONSUMPTION PATTERNS AMONG 6<sup>TH</sup> TO 12<sup>TH</sup> GRADERS

Lifetime alcohol use among 6th through 12th graders:  
Kennebec County and Maine, 2006



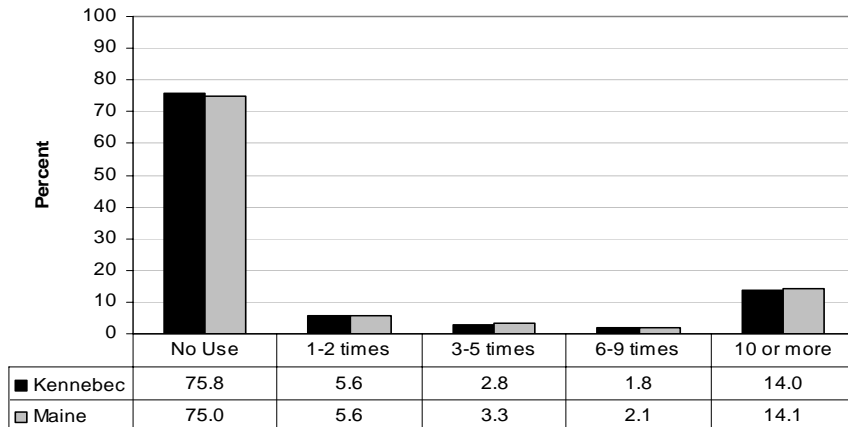
Source: MYDAUS, 2006

Lifetime misuse of prescription drugs among 6th through 12th graders: Kennebec County and Maine, 2006



Source: MYDAUS, 2006

Lifetime marijuana use among 6th through 12th graders: Kennebec County and Maine, 2006



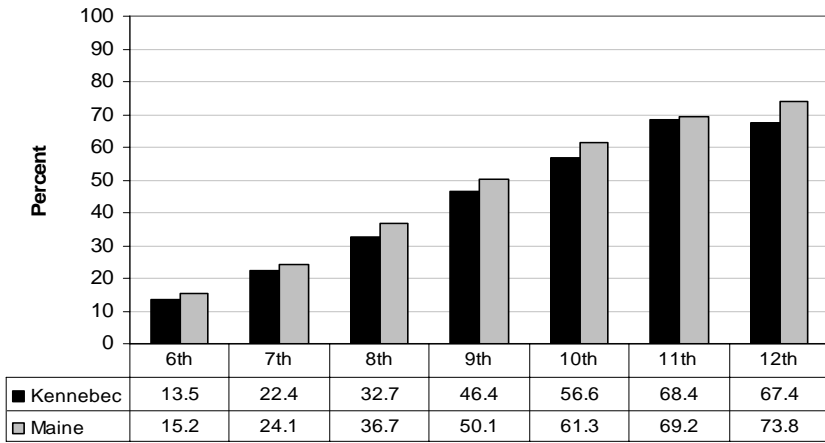
Source: MYDAUS, 2006

# SUBSTANCE CONSUMPTION: YOUTH

## KENNEBEC COUNTY

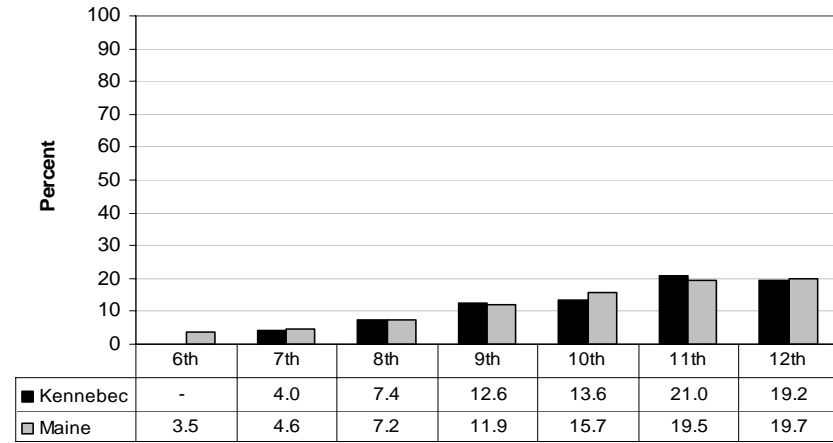
### LIFETIME CONSUMPTION AMONG 6<sup>TH</sup> TO 12<sup>TH</sup> GRADERS, BY GRADE

Lifetime alcohol use, by grade:  
Kennebec County and Maine, 2006



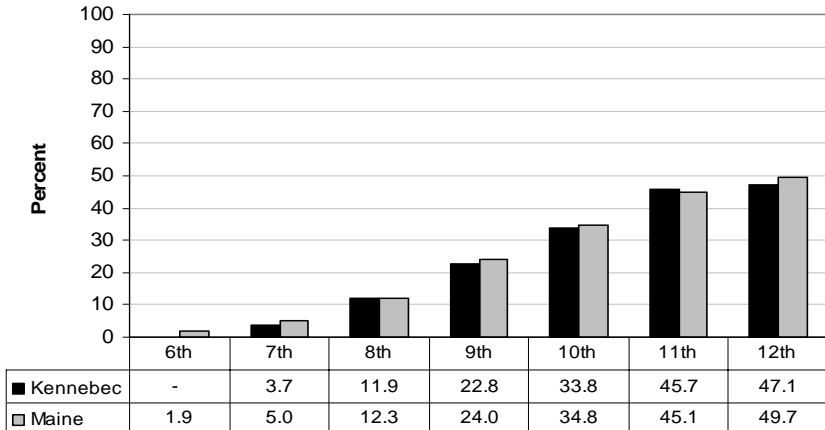
Source: MYDAUS, 2006

Lifetime misuse of prescription drugs, by grade:  
Kennebec County and Maine, 2006



Source: MYDAUS, 2006. The symbol "-" indicates data were suppressed to protect confidentiality.

Lifetime marijuana use, by grade:  
Kennebec County and Maine, 2006



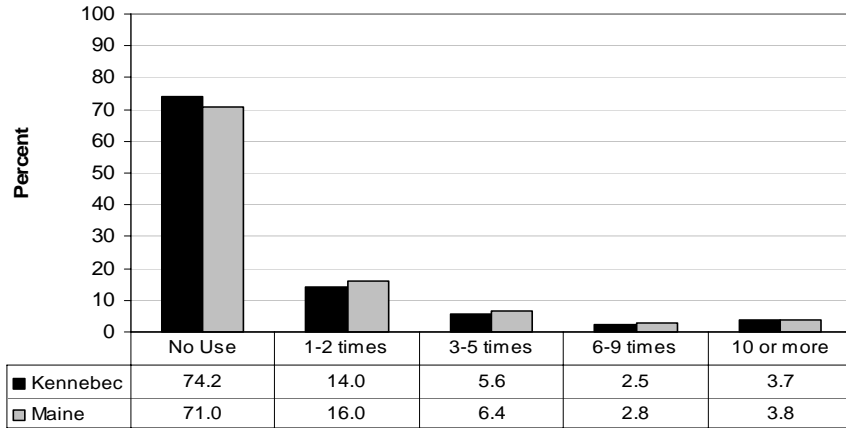
Source: MYDAUS, 2006. The symbol "-" indicates data were suppressed to protect confidentiality.

# SUBSTANCE CONSUMPTION: YOUTH

## KENNEBEC COUNTY

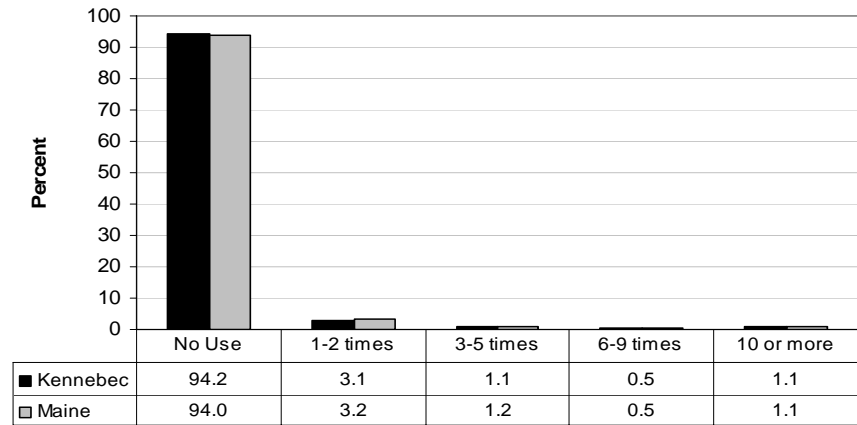
### PREVIOUS 30-DAY CONSUMPTION PATTERNS AMONG 6<sup>TH</sup> TO 12<sup>TH</sup> GRADERS

Previous 30-day use of alcohol among 6th through 12th graders: Kennebec County and Maine, 2006



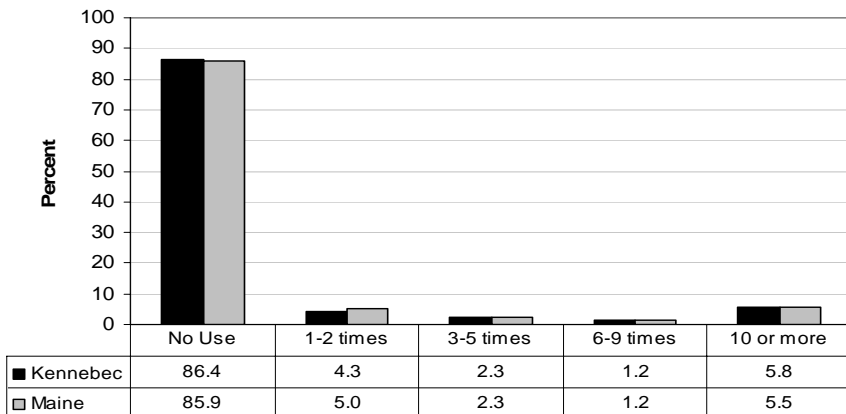
Source: MYDAUS, 2006

Previous 30-day misuse of prescription drugs among 6th through 12th graders: Kennebec County and Maine, 2006



Source: MYDAUS, 2006

Previous 30-day use of marijuana among 6th through 12th graders: Kennebec County and Maine, 2006



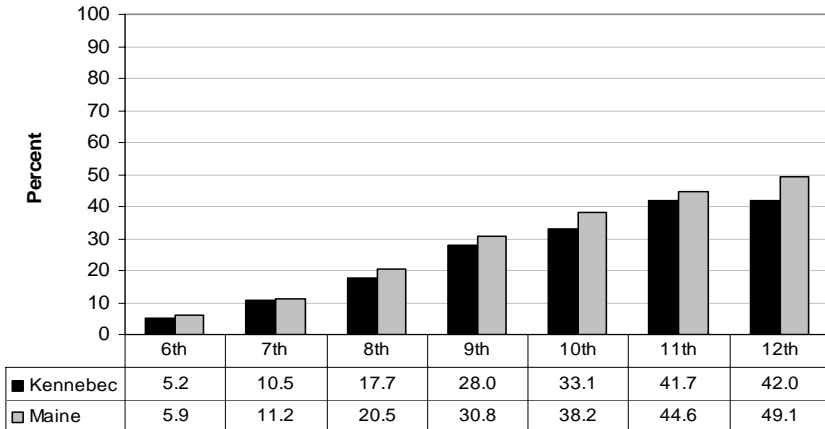
Source: MYDAUS, 2006

# SUBSTANCE CONSUMPTION: YOUTH

## KENNEBEC COUNTY

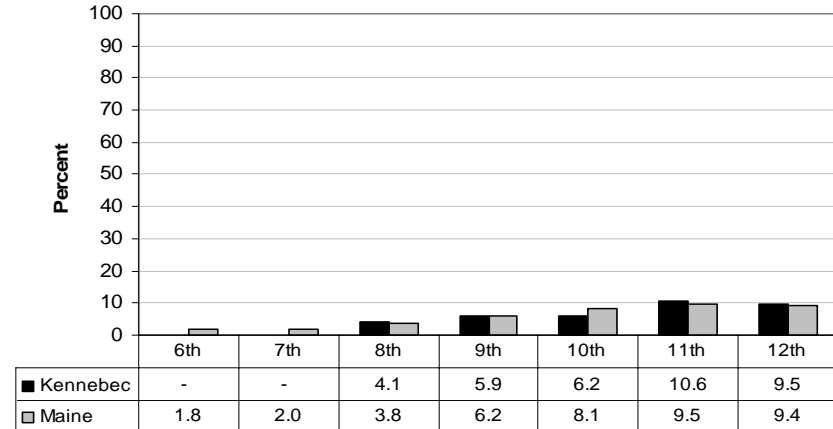
### PREVIOUS 30-DAY CONSUMPTION PATTERNS AMONG 6<sup>TH</sup> TO 12<sup>TH</sup> GRADERS, BY GRADE

Previous 30-day alcohol use, by grade:  
Kennebec County and Maine, 2006



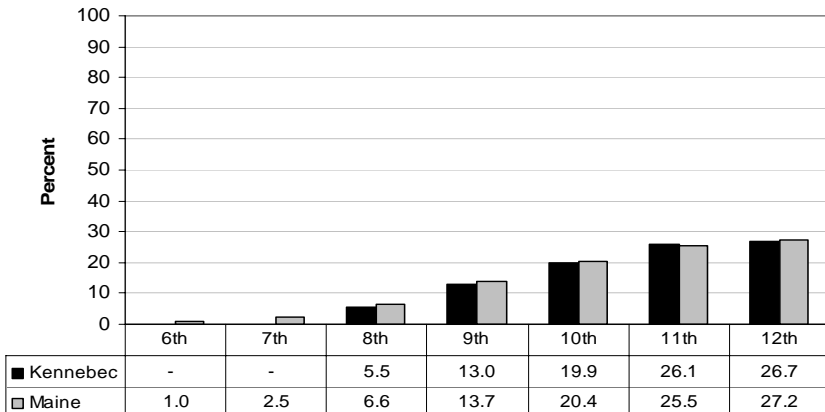
Source: MYDAUS, 2006.

Previous 30-day prescription drug misuse, by grade:  
Kennebec County and Maine, 2006



Source: MYDAUS, 2006. The symbol "-" indicates data were suppressed to protect confidentiality.

Previous 30-day marijuana use, by grade:  
Kennebec County and Maine, 2006



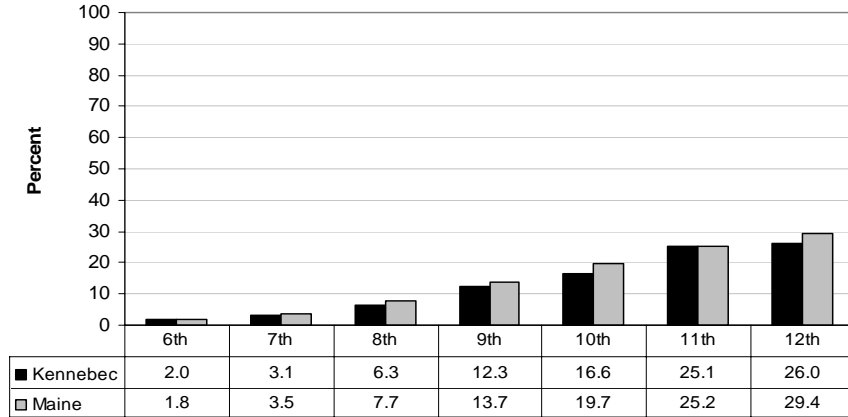
Source: MYDAUS, 2006. The symbol "-" indicates data were suppressed to protect confidentiality.

# SUBSTANCE CONSUMPTION: YOUTH

## KENNEBEC COUNTY

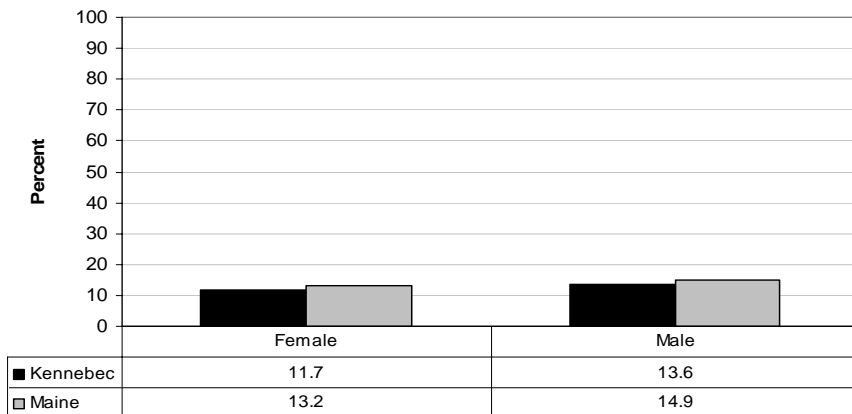
### BINGE DRINKING AMONG 6<sup>TH</sup> TO 12<sup>TH</sup> GRADERS

Percentage of students who participated in binge drinking within the last 2 weeks, by grade: Kennebec County and Maine, 2006



Source: MYDAUS, 2006

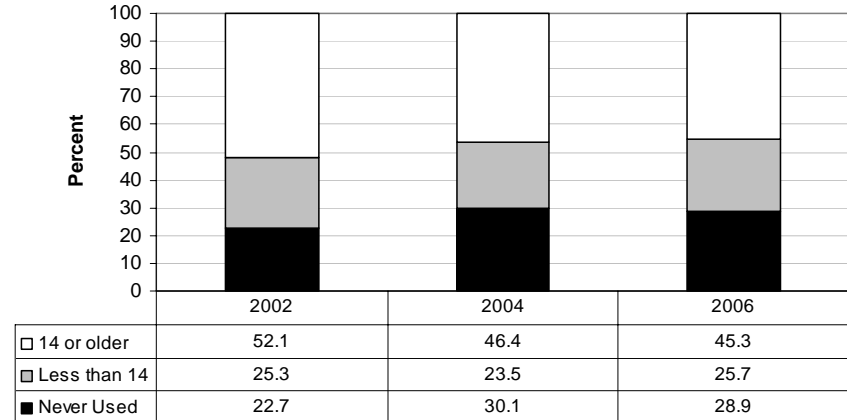
Percentage of students who participated in binge drinking within the last 2 weeks, by gender: Kennebec County and Maine, 2006



Source: MYDAUS, 2006

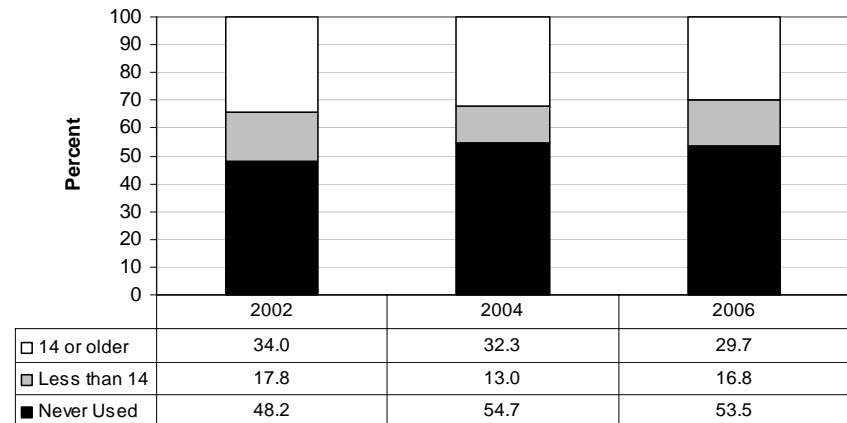
### AGE FIRST TRIED ALCOHOL OR MARIJUANA

Age first tried alcohol (more than 1-2 sips), grades 11 and 12: Kennebec County, 2002, 2004 and 2006



Source: MYDAUS, 2002-2006

Age first tried marijuana, grades 11 and 12: Kennebec County, 2002, 2004 and 2006



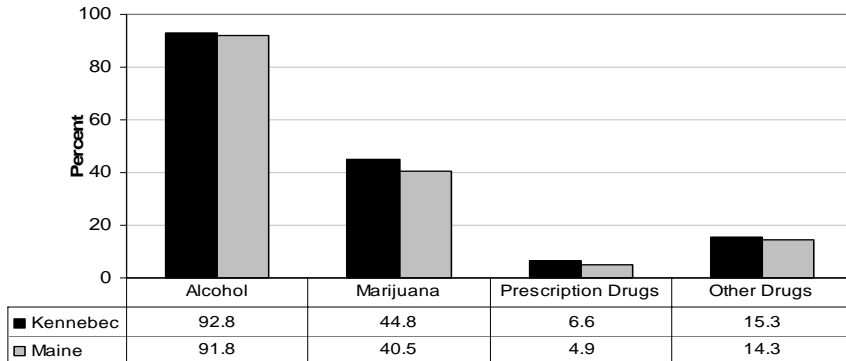
Source: MYDAUS, 2002-2006

# SUBSTANCE CONSUMPTION: ADULTS

## KENNEBEC COUNTY

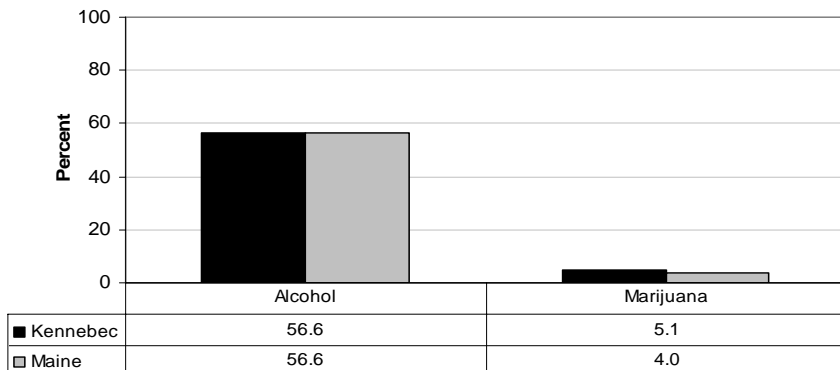
### ALCOHOL AND DRUG CONSUMPTION AMONG ADULTS 18 AND OLDER

Lifetime use among adults age 18 and older, by substance: Kennebec County and Maine, 2004



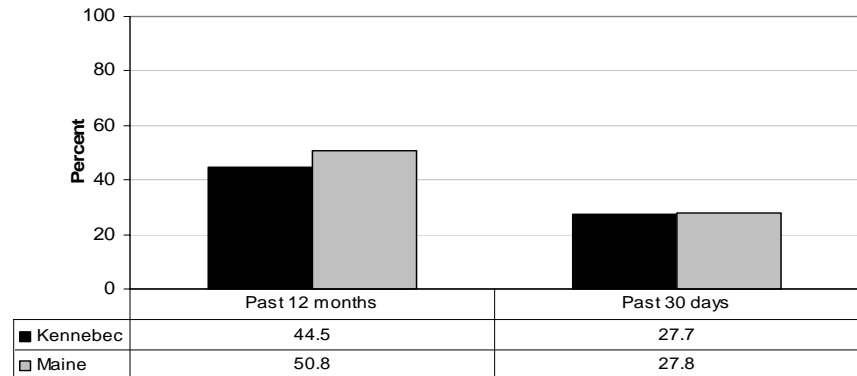
Note: Prescription drug use refers to use that was not prescribed by a doctor.  
Source: Maine General Population Survey, 2004.

Past 30-day use of alcohol and marijuana among adults age 18 and older: Kennebec County and Maine, 2004



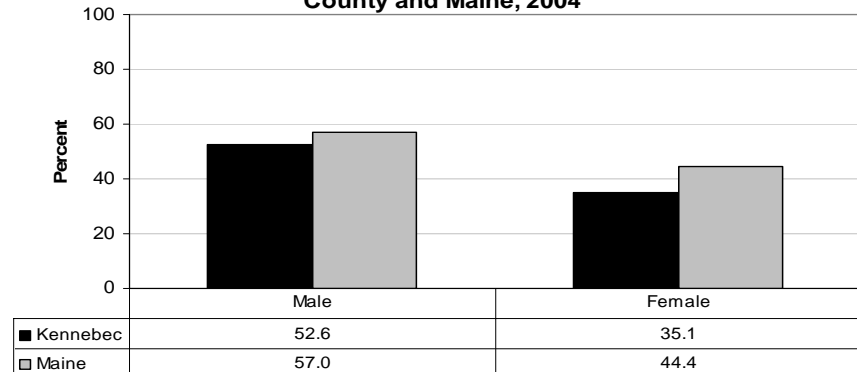
Note: For prescription drugs and other drugs, there were too few cases for a reliable estimate.  
Source: Maine General Population Survey, 2004.

Adults age 18 and older who have participated in binge drinking\*: Kennebec County and Maine, 2004



\*Binge drinking is defined as 5 or more alcoholic beverages for men in one occasion and 4 or more alcoholic beverages for women in one occasion.  
Source: Maine General Population Survey, 2004.

Adults age 18 and older who have participated in binge drinking\* in the past 12 months, by gender: Kennebec County and Maine, 2004



\*Binge drinking is defined as 5 or more alcoholic beverages for men in one occasion and 4 or more alcoholic beverages for women in one occasion.  
Source: Maine General Population Survey, 2004.

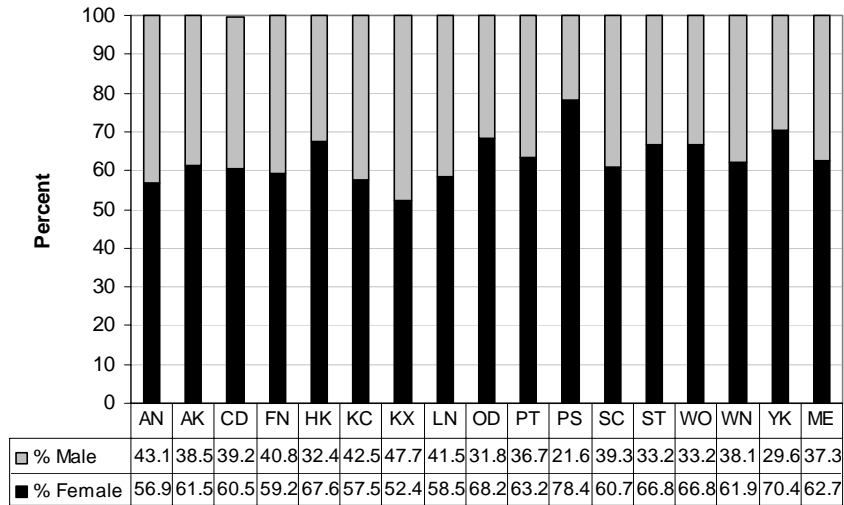


# SUBSTANCE CONSUMPTION: ADULTS

## KENNEBEC COUNTY

### PRESCRIPTION DRUG CONSUMPTION (ALL AGES)

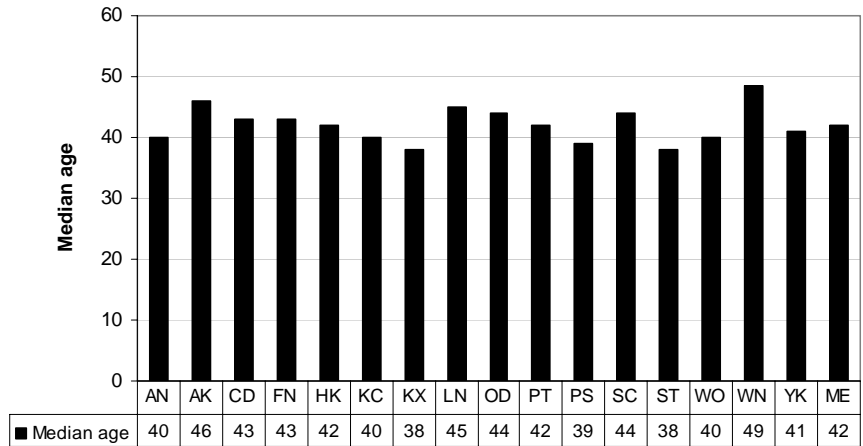
Gender distribution of individuals who crossed the threshold for prescription drug purchases, by county: 2004



Source: Prescription Monitoring Program (PMP), State Fiscal Year 2004.

AN – Androscoggin  
 AK – Aroostook  
 CD – Cumberland  
 FN – Franklin  
 HK – Hancock  
 KC – Kennebec  
 KN – Knox  
 LN – Lincoln

Median age of individuals crossing the threshold for prescription drug purchases, by county: 2004



Source: Prescription Monitoring Program (PMP), State Fiscal Year 2004.

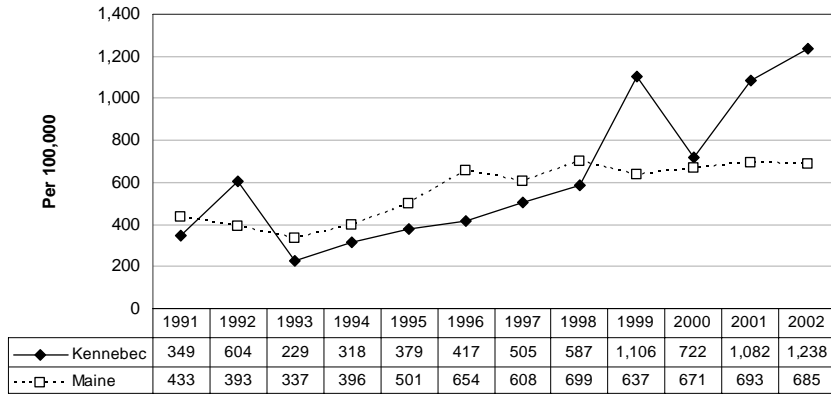
OD – Oxford  
 PT – Penobscot  
 PS – Piscataquis  
 SC – Sagadahoc  
 ST – Somerset  
 WO – Waldo  
 WN – Washington  
 YK – York

# SUBSTANCE USE CONSEQUENCES: YOUTH

## KENNEBEC COUNTY

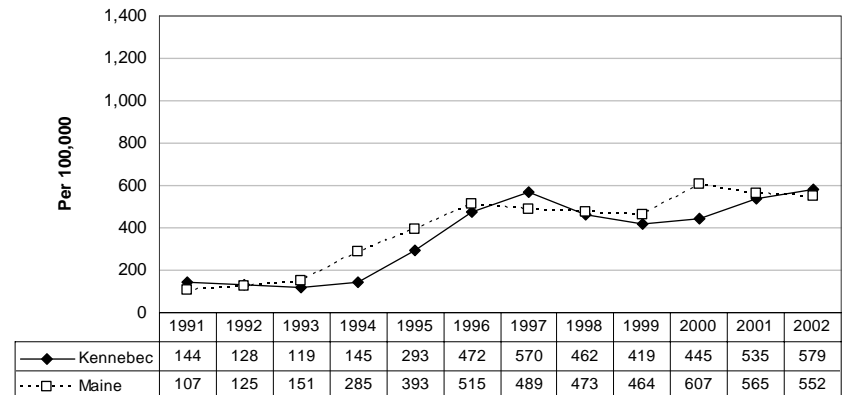
### ALCOHOL- AND DRUG- RELATED ARRESTS

Juvenile arrests for alcohol violations, per 100,000 youth age 10-17: Kennebec County and Maine, 1991-2002



Notes: Data reflect all alcohol violations combined (OUI, liquor law violations and drunkenness).  
Source: OSA Indicator data. (Department of Public Safety - Uniform crime reporting), 1991-2002.

Juvenile arrests for drug violations, per 100,000 youth age 10-17: Kennebec County and Maine, 1991-2002



Notes: Data reflect all drug violations combined (possession, sale, use, growing, manufacturing).  
Source: OSA Indicator data. (Department of Public Safety - Uniform crime reporting), 1991-2002.

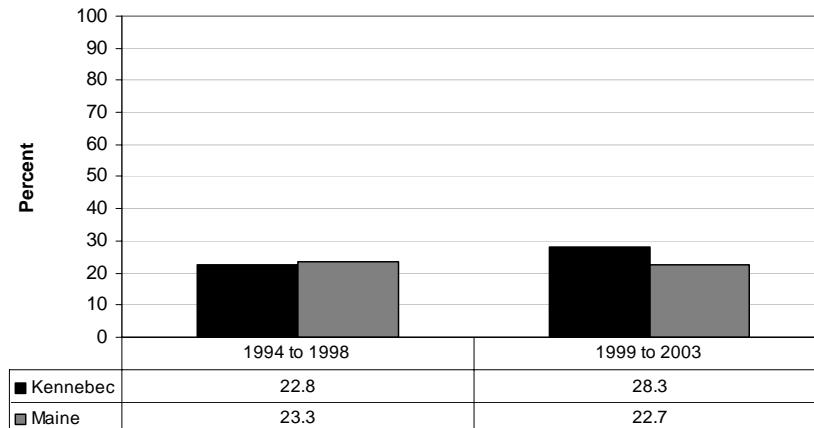
# SUBSTANCE USE CONSEQUENCES: YOUTH

## KENNEBEC COUNTY

### FATAL TRAFFIC ACCIDENTS INVOLVING ALCOHOL

These results should be interpreted with caution as estimates are based on low numbers.

**Percent of all youth drivers\* in fatal crashes who were alcohol-involved: Kennebec County and Maine, 1994 to 1998 and 1999 to 2003**

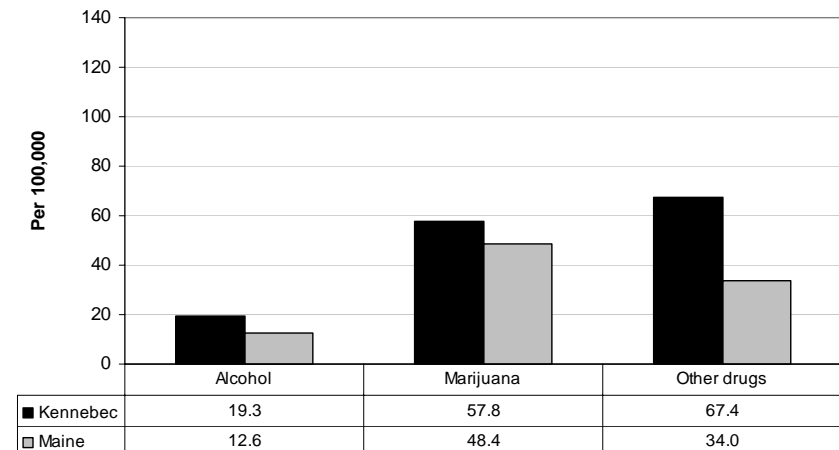


\*Youth drivers includes drivers under the age of 21.

Source: Fatality Analysis Reporting System (FARS) 1994-2003.

### ALCOHOL- AND DRUG- RELATED SUSPENSIONS/REMOVALS

**Suspensions/removals (3-year average) due to alcohol or drugs per 100,000 youth ages 12 to 17: Kennebec County and Maine, 2001-02 to 2003-04**



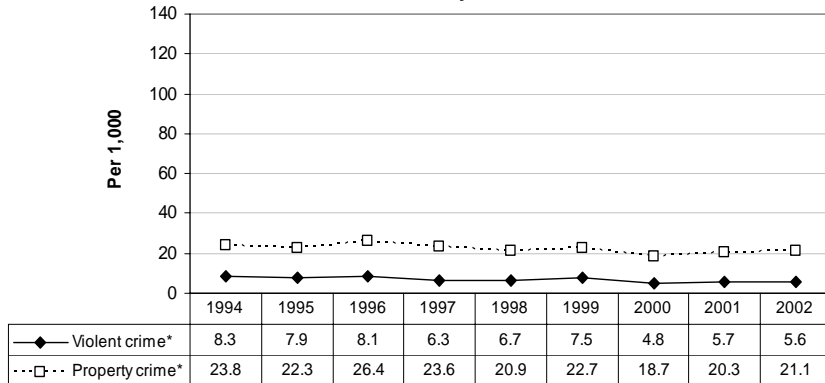
Source: Lobster Book, Safe and Drug Free Schools (SDFS), 2001-02 to 2003-04.

# SUBSTANCE USE CONSEQUENCES: ADULTS

## KENNEBEC COUNTY

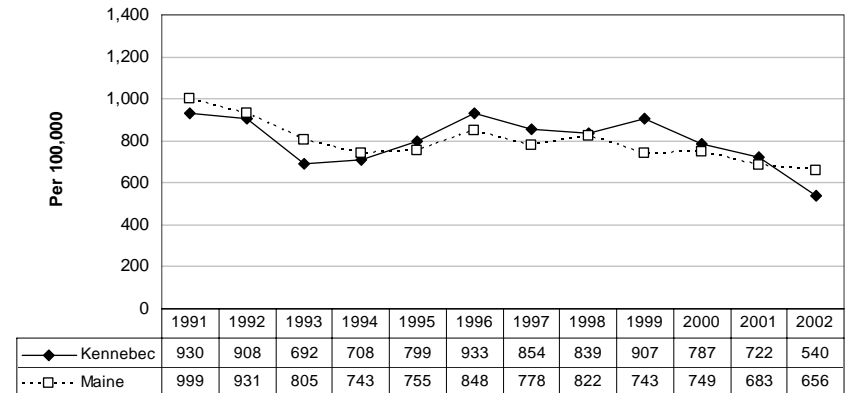
### CRIME AND ARRESTS

Rate of reported crimes per 1,000 people:  
Kennebec County, 1994 to 2002



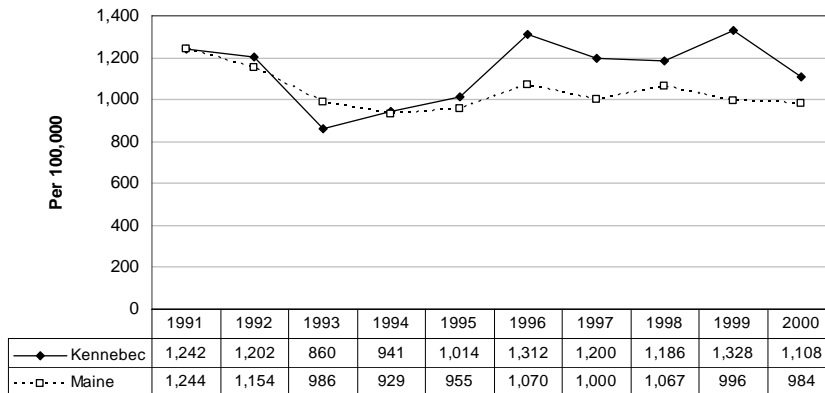
\*Violent crime includes aggravated assault, burglary and sexual assault. Property crime includes robbery, larceny, and car theft.  
Source: Uniform Crime Reporting (UCR), 1994-2002.

Adult OUI arrests, per 100,000 adults age 18 and over: Kennebec County and Maine, 1991-2002



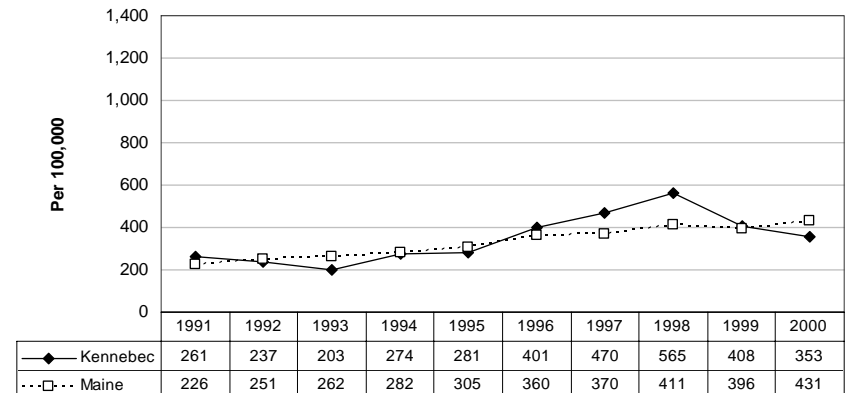
Source: OSA Indicator data. (Department of Public Safety - Uniform crime reporting), 1991-2002.

Arrests for alcohol violations, per 100,000 adults age 18 and over:  
Kennebec County and Maine, 1991-2000



Notes: Data reflect all alcohol violations combined (OUI, liquor law violations and drunkenness).  
Source: OSA Indicator data. (Department of Public Safety - Uniform crime reporting), 1991-2000.

Arrests for drug violations, per 100,000 adults age 18 and over:  
Kennebec County and Maine, 1991-2000



Notes: Data reflect all drug violations combined (possession, sale, use, growing, manufacturing).  
Source: OSA Indicator data. (Department of Public Safety - Uniform crime reporting), 1991-2000.

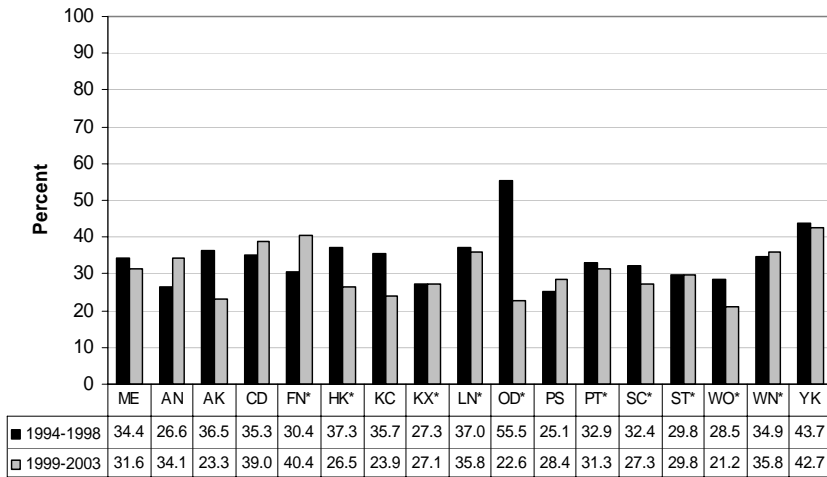
# SUBSTANCE USE CONSEQUENCES: ADULTS

## KENNEBEC COUNTY

### FATAL TRAFFIC ACCIDENTS INVOLVING ALCOHOL

These results should be interpreted with caution as estimates are based on low numbers.

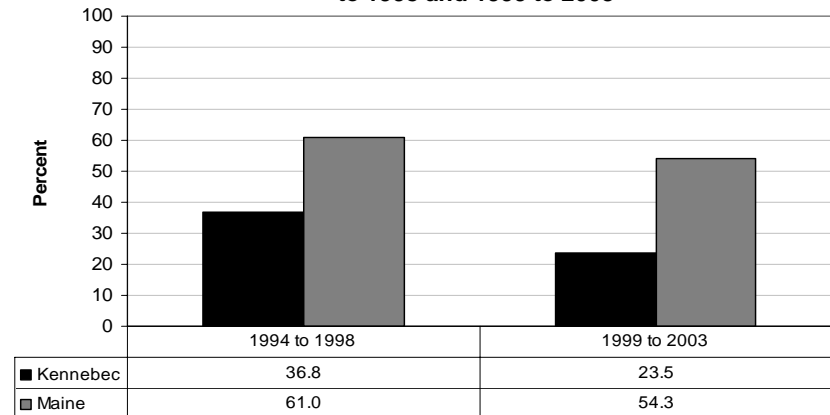
**Percent of total fatal crashes over 5 years that were alcohol-related, by County (all ages): 1994-1998 and 1999-2003**



\*The total number of fatal crashes is 10 or less in each 5-year period.  
Source: Fatality Analysis Reporting System (FARS) 1994-2003.

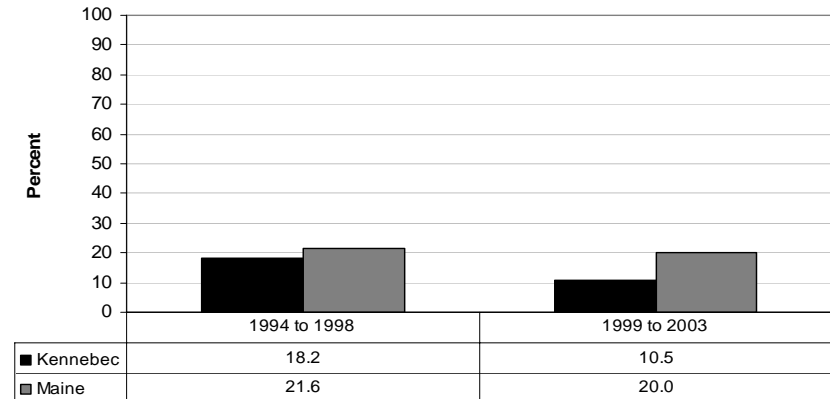
- AN – Androscoggin
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- OD – Oxford
- PT – Penobscot
- PS – Piscataquis
- SC – Sagadahoc
- ST – Somerset
- WO – Waldo
- WN – Washington
- YK – York

**Percent of all young adult drivers\* in fatal crashes who were alcohol-involved: Kennebec County and Maine, 1994 to 1998 and 1999 to 2003**



\*Young adult drivers includes drivers between the ages of 21 and 29.  
Source: Fatality Analysis Reporting System (FARS) 1994-2003.

**Percent of all adult drivers\* in fatal crashes who were alcohol-involved: Kennebec County and Maine, 1994 to 1998 and 1999 to 2003**



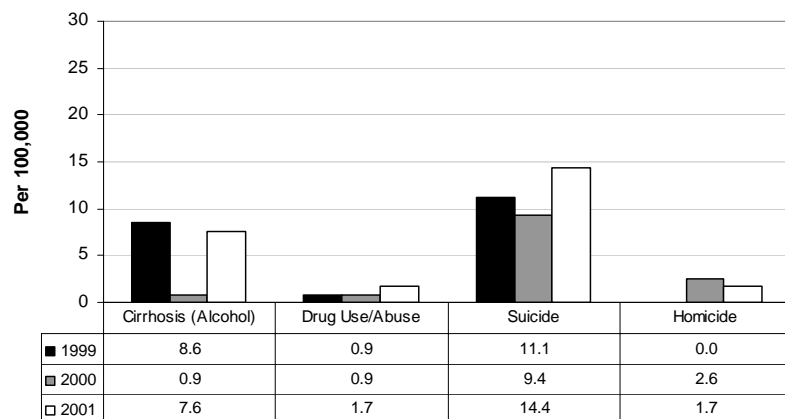
\*Adult drivers includes drivers age 30 and older.  
Source: Fatality Analysis Reporting System (FARS) 1994-2003.

# SUBSTANCE USE CONSEQUENCES: ADULTS

## KENNEBEC COUNTY

### MORTALITY

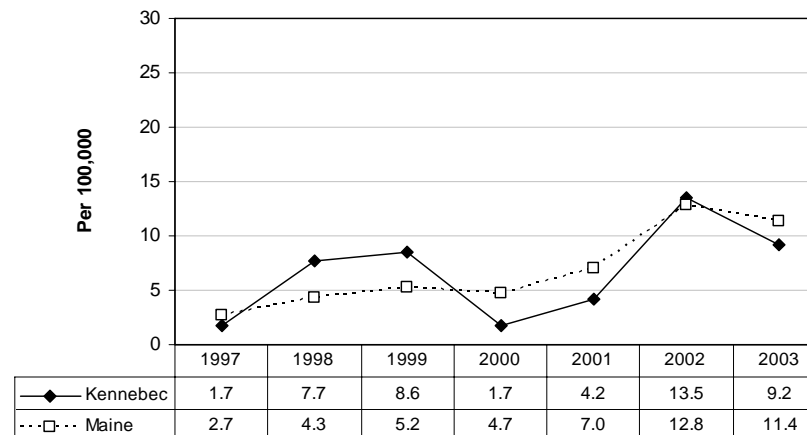
Deaths by underlying cause, per 100,000 people:  
Kennebec County, 1999 to 2001



Note: It is estimated that roughly 20 percent of suicides and 30 percent of homicides are attributable to substance use (alcohol and/or drugs).

Source: National Center for Health Statistics Multiple Cause of Death Public-Use Files, 1999-2001.

Overdose deaths per 100,000 people:  
Kennebec County and Maine, 1997-2003



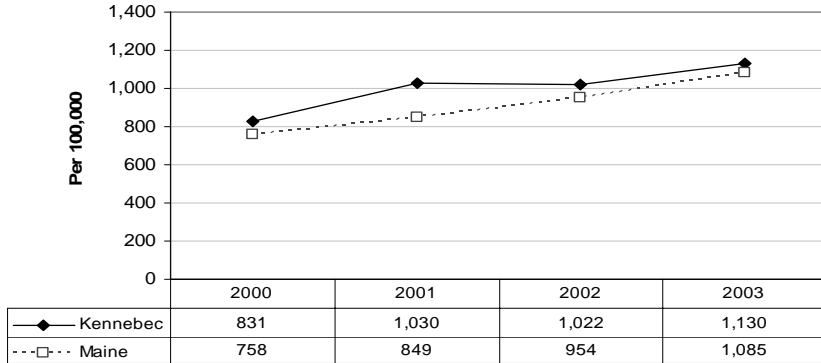
Source: Maine Drug Enforcement Agency (MDEA), 1997-2003.

# SUBSTANCE USE CONSEQUENCES: ADULTS

## KENNEBEC COUNTY

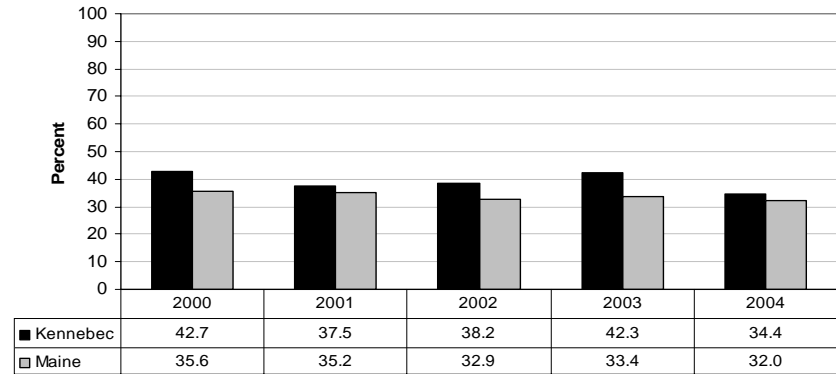
### TREATMENT

Treatment admissions (all ages) per 100,000: Kennebec County and Maine, 2000-2003



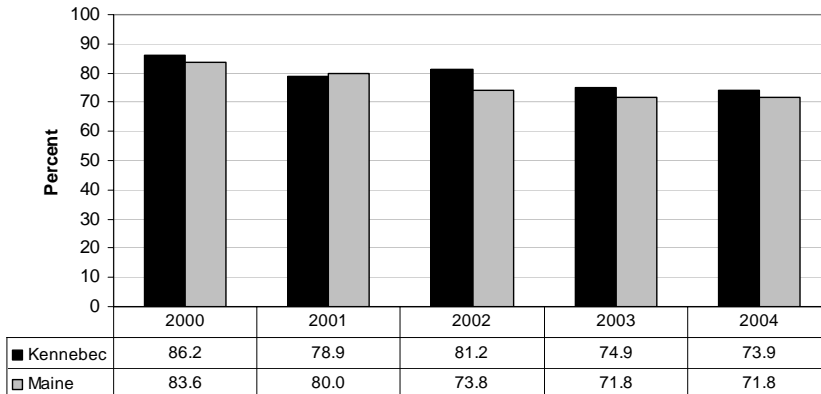
Source: Treatment Data System (TDS), 2000-2003 and U.S. Census Bureau.

Percent of total treatment admissions among adults (18 and older) involving marijuana\*: Kennebec County and Maine, 2000 to 2004



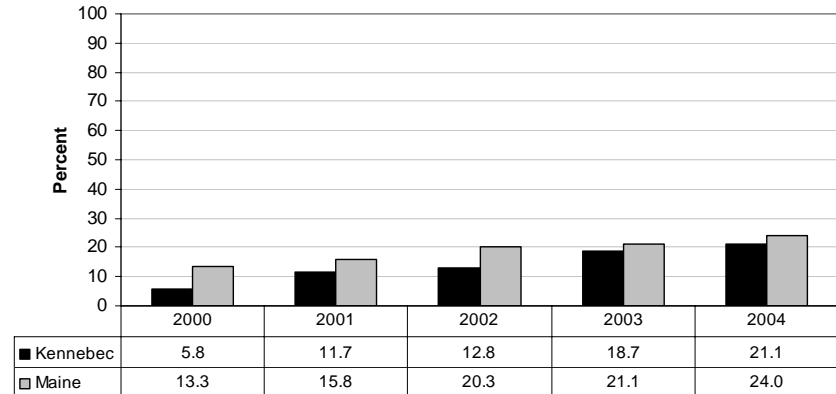
\*Marijuana may have been the primary, secondary or tertiary substance for which treatment was sought. Source: Treatment Data System (TDS) for state fiscal years 2000 to 2004.

Percent of total treatment admissions among adults (18 and older) involving alcohol\*: Kennebec County and Maine, 2000 to 2004



\*Alcohol may have been the primary, secondary or tertiary substance for which treatment was sought. Source: Treatment Data System (TDS) for state fiscal years 2000 to 2004.

Percent of total treatment admissions among adults (18 and older) involving prescription drugs\*: Kennebec County and Maine, 2000 to 2004



\*Prescription drugs may have been the primary, secondary or tertiary substance for which treatment was sought. Source: Treatment Data System (TDS) for state fiscal years 2000 to 2004.

## EXPLANATION OF TERMS USED IN THE PROFILE:

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**Alcohol-involved** is a driver who had alcohol in his or her system, although the amount could be less than the legal limit.

**Alcohol-related** is a fatal crash in which a driver was alcohol involved.

**Alcohol violations** include Operating Under the Influence (OUI), liquor law violations and drunkenness.

**Binge drinking** for adults is defined as 5 or more alcoholic beverages for men in one occasion, and 4 or more alcoholic beverages for women in one occasion. For youth, there is no distinction between gender and binge drinking is defined as 5 or more alcohol beverages in one occasion.

**Drug violations** include possession, sale, use, growing and manufacturing.

**Lifetime use** of a substance refers to whether a person has ever used the substance, even once.

**Misuse of prescription drugs**, for youth, means that a student used a pharmaceutical that was not specifically prescribed by a doctor. For adults, misuse means that a person used painkillers or tranquilizers in any form that were not medically prescribed.

**Previous 30-day use** refers to whether the person used the substance within the 30-day period prior to the administration of the survey.

**Property crime** includes robbery, larceny and car theft.

**Rate per 1,000 or 100,000** reflects a special kind of ratio that indicates the frequency with which an event occurs in a defined population over a period of time. The components of a rate include the number of incidents (e.g., number of arrests) and the population in question. Performing this calculation helps make the

total number of incidents within a small county comparable to the total number of incidents found statewide.

**Removal** from school is defined as long-term suspension or expulsion (see below).

**Suspension** is defined as temporary removal from school greater than 10 days; two types of suspensions are counted in this category: (1) a single suspension of more than 10 days, and (2) multiple short-term suspensions of the same student totaling more than 10 days.

**Thresholds** for prescription drugs are set by the State and are used every quarter to help identify patients who may be obtaining an unsafe level of prescription dispensing.

**Violent crime** includes aggravated assault, burglary and sexual assault.

**Treatment admission** reporting is required for publicly funded treatment facilities, although some private facilities report voluntarily. The data included here includes all admissions and does not distinguish whether a person returned more than once in the same year.