Background and Purpose:
The Behavioral Health Indicator System (BHIS) is a password protected interactive, web-based data and monitoring system developed under the State Epidemiological Outcomes Workgroup (SEOW) project. BHIS was developed in 2009 to assist SEOWs by providing an interactive data query system with downloadable graphs/tables for key substance abuse indicators. The overarching goal of the BHIS is to create a comprehensive, real-time national and state-level substance abuse monitoring system and provide data on shared risk and protective factors for both substance abuse and mental disorders. The BHIS is updated every year to reflect the latest data available.

Outcomes-based Approach:
SAMHSA funded SEOWs use the outcomes-based model approach (figure 1) to analyze substance abuse data for creating useful products to inform prevention planning. The outcomes-based prevention approach begins with a solid understanding of substance related consequences/consumption patterns to select outcomes that warrant further attention, identify risk and protective factors for the selected outcomes, and align strategies to impact these risk and protective factors that affect the chosen outcomes. Following the outcomes-based model approach, BHIS provides data on key consequences (24 indicators), consumption patterns (41 indicators) and is currently adding shared risk and protective factors for both substance abuse and mental disorders.

Figure 1: Outcomes-Based Prevention Model

| Problem and Related Behaviors | Risk and Protective Factors | Programs, Policies, Practices, and |

BHIS key features:
BHIS provides an online, interactive query system, which allows users to select their state (and for some data sets, county), years, type (bar or trend) and comparison (to national or other state/county) to generate graphs for each indicator. Users can copy and paste these graphs into their desired products or download data spreadsheets for each of the 10 national datasets as SAS or CSV files for further analysis. BHIS acts as a dissemination tool for SEOWs that do not currently have an online data system and hosts over 30 state-added datasets. Additionally, BHIS provides summary factsheets for key indicators by HHS region.
Indicators Available on BHIS:

The following is a list of indicators currently available from national data sources on BHIS. Additionally, some SEOWs have provided their own indicators at both State and sub-state level. More information on these indicators and data sets can be found on the BHIS website.

**Alcohol Sales (NIAAA)**
- All Beverages
- Beer
- Spirits
- Wine

**BRFSS (CDC)**
- Binge Alcohol Use
- Current Alcohol Use
- Current Cigarette Use
- Daily Cigarette Use
- Drive After Drinking
- Heavy Alcohol Use

**FARS (NHTSA)**
- Alcohol-related crash death rate
- Alcohol-positive Drivers

**Mortality (NCHS)**
- Cardiovascular Disease Deaths
- Cerebrovascular Disease Deaths
- Cirrhosis Deaths: Alcoholic
- Cirrhosis Deaths: Other
- Drug Overdose Deaths
- Drug Use Behavior Deaths
- Homicide Deaths
- Lung Cancer Deaths
- Lung Disease Deaths
- Suicide Deaths

**NSDUH (SAMHSA)**
- Alcohol: Current Use
- Alcohol: Dependence/ Abuse
- Alcohol: Perceived Risk
- Alcohol: Treatment Gap
- Binge Alcohol Use
- Cigarettes: Current Use
- Illicit Drugs: Dep./Abuse
- Illicit Drugs: Treatment Gap
- Illicit Drugs-No MJ: Cur. Use
- Major Depressive Episode
- Marijuana: Current Use
- Marijuana: Perceived Risk
- Tobacco: Perceived Risk

**PRAMS (CDC)**
- Alcohol use in Last Trimester
- Smoking During Pregnancy
- Smoking in Last Trimester

**TEDS (SAMHSA)**
- Alcohol Admissions
- Cocaine Admissions
- Co-occurring Psych. Problem Referrals
- Drug Admissions
- Heroin Admissions
- Marijuana Admissions
- Stimulant Admissions
- Primary Alcohol Admissions
- Primary Cocaine Admissions
- Primary Drug Admissions
- Primary Heroin Admissions
- Primary Marijuana Admissions
- Primary Stimulant Admissions

**Tobacco Sales (CDC)**
- Cigarette Sales

**UCR (FBI)**
- Aggravated Assaults
- Burglaries
- Larcenies
- Motor Vehicle Thefts
- Property Crimes
- Robberies
- Sexual Assaults
- Violent Crimes

**YRBSS (CDC)**
- Alcohol: Current Use
- Alcohol: Driving After Drinking
- Alcohol: Use Before Age 13
- Binge Alcohol Use
- Cigarettes: Current Use
- Cigarettes: Daily Use
- Cigarettes: Use Before Age 13
- Cocaine: Current Use
- Cocaine: Lifetime Use
- Heroin: Lifetime Use
- Inhalants: Current Use
- Inhalants: Lifetime Use
- Injection Drugs: Lifetime Use
- Marijuana: Current Use
- Marijuana: Use Before Age 13
- MDMA: Lifetime Use
- Methamphetamine: Lifetime Use
- Smokeless Tobacco: Current Use
- Steroids: Lifetime Use

Next steps:

BHIS is currently undergoing an update to reflect the latest available data from all sources, confidence intervals for survey estimates (wherever applicable), and additional indicators on risk and protective factors affecting both substance abuse and mental disorders. The updated website will be available by October 2012.

How to access BHIS:

In order to access BHIS, please contact your SEOW chair or Michele Basen at Michele.Basen@SAMHSA.hhs.gov.

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