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Centralizing Data to Advance Prevention Goals

The Virginia Social Indicator Dashboards

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Introductions



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Agenda

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03 | Dashboard Utility

04 | Case Studies

05 | What's Next

About OMNI

OMNI Institute is a nonprofit social science consultancy that provides integrated research, evaluation, and capacity-building services to foster understanding, guide collaboration, and inform action to accelerate positive social change.



We believe in the power of data to inspire and support individuals and organizations in changing their world.



Our clients are change-makers working in government, nonprofits, foundations, and social enterprises to make a positive difference in their communities.



Economic Security

Economic mobility, food security, homelessness



Children & Families

Education, early childhood, family support, 2nd generation approaches



Behavioral Health

Substance use disorder prevention, treatment, and recovery



Community Health

Awareness & promotion, assessment & strategic planning, equity, leadership development



Justice

Community policing & reform, juvenile justice, racial & ethnic disparities, justice responses to behavioral health needs

Our Areas of Expertise

OMNI's Core Values





OMNI



Virginia Department of Behavioral Health
and Developmental Services

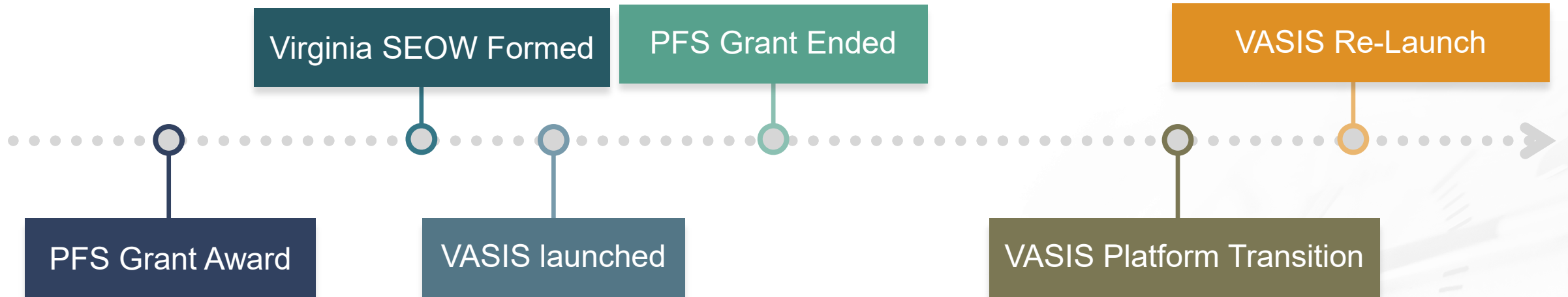
History of VASIS

We know data can change lives.

The Virginia Social Indicator Summary (VASIS) Dashboard centralizes behavioral health data from agencies and organizations across the Virginia. Join our movement to build a healthier, more vibrant future for all through data-driven solutions.



Timeline



The Problem

Prevention spans a large range of issues.



With a range of issues come a range of partners involved in the work.



When each of those partners collects and published their own data, it requires prevention staff to navigate each partner's data sharing platform (if available) to access the full suite of indicator data that is need to inform their efforts.



When catchment or service areas differ across agencies, data at the geographic level needed is not always available.

The Solution

Develop partnerships with key data sharing partners who are collecting data that helps inform prevention efforts.



Gather data from partners.



Clean, analyze, organize, and visualize the data in a way that is meaningful to our audience.



Centralize access to these data on a singular platform.

How we do it



Developing Partnerships

SEOW members served as the first cohort of data sharing partners

Active recruitment of partners has supported further growth

Current Partners



Prep Data



Standardization

Rates

When data are available as counts, we are able to calculate rates per 100,000 people for all measures by pulling in Census data.

Rates are standardized to a common denominator and can be compared across geographic or demographic groups and are not influenced by the size of the underlying population.

Geographies

When data are available at a small geographic scale, such as zipcode or county, we are able to roll data up into custom geographic boundaries.

If prevention work is planned and implemented at county, provider catchment, region, and state levels, one dashboard can meet the data needs of all groups at once.

Usability

Varied data structures and platforms can lead to fatigue among users, especially those less comfortable working with data.

By standardizing the look and feel of dashboards, we can create an environment where all users can confidently navigate a wide range of indicator data without constantly having to re-orient themselves.

A New Era

In 2023, OMNI launched the new VASIS website with updated interactive dashboards utilizing Tableau

VASIS

[Home](#)

[About](#)

[Explore the Data](#)

[Resources](#)

[FAQs](#)

[Contact Us](#)

Virginia Social Indicator Summary Dashboard

Welcome to the new VASIS dashboard website. The site is currently under construction and additional data sources will be added through the end of 2024.

Disease, Injuries, and Fatalities

This dashboard contains data on:

- Hospitalizations
- Overdoses
- Suicides

Justice

This dashboard contains data on:

- Drug Cases
- Juvenile Justice
- Uniform Crime Reports

Health Risk Factors & Behaviors

This dashboard contains data from:

- The Behavioral Risk Factor Surveillance Survey
- The Virginia Youth Survey for Middle and High Schoolers

Our Dashboards

Living Conditions

This dashboard contains data on:

- Population Estimates
- Poverty
- Unemployment

Health & Social Services

This dashboard contains data on:

- Behavioral Health Services
- Mental Health
- Benefits

Virginia Young Adult Survey (YAS)

This dashboard contains data from:

- 18—25-year-olds on a variety of subjects including substance, use, mental health, and gambling



OMNI

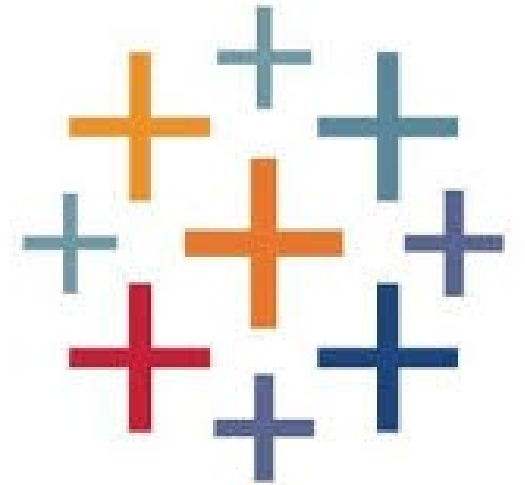


Virginia Department of Behavioral Health
and Developmental Services

Dashboard utility

Why Tableau?

- ✓ Cost
- ✓ User-friendly interface
- ✓ Reasonable learning curve
- ✓ Great community of Tableau users
- ✓ Easy to update
- ✓ Viz options
- ✓ File type compatibility
- ✓ Suite of integrations (R, Qualtrics, SurveyMonkey, etc.)
- ✓ Visually appealing
- ✓ Ability to add a lot of filter options



What Tableau is Good For



Simple data processing
& calculations



Handling multiple years of
data at once



Rolling up raw data



Visualizing a LOT of data
quickly



Filtering



Shareability & usability



Mapping

What Tableau is Not Good For

Complex data analysis and cleaning



You will still need R for some of the data processing work

Static reporting



Not worth the time investment/formatting limitations

Making meaning on its own



We have to build the structure to make meaning

Extensive amounts of text



Doesn't take advantage of Tableau's main features

Case studies



Case Study 1: The VA Young Adult Survey

A Biennial survey of young adults ages 18-25, developed by DHBDS and OMNI, that is administered by 40 CSBs across VA.



How to share that data back to CSBs, their partners, and the public?

Virginia Young Adult Survey Dashboard

Virginia Young Adult Survey

This dashboard visualizes data from the Virginia Young Adult Survey. The data is broken down by content and can be filtered by demographic category and population.

Overview

Content Navigation

- Overview
- Demographics
- Substance Use
- Mental Health & ACEs
- Gaming & Gambling

How to interact with this dashboard

Using Tooltips:
Some data points allow you to dig deeper. Hover your cursor over a data point to learn more.

How to view the data trends by demographic groups
This dashboard defaults to look at trends across all survey respondents.

To hone in on a specific sub-population, use the dropdown filters at the top of the dashboard to select a sub group and sub population. You will need to select both a demographic category (Step 1) and a Population (Step 2) and repeat both steps if changing your selection for Step 1.

How to view the data at the state, region, or CSB level
Select a region in the map to zoom in and explore the data at a region level.

Once you have zoomed in on a region, you can select a CSB to zoom in even further and explore the data at a CSB level.

To zoom back out to the state level, click the "Reset Map" button.

Data Suppression
Data are suppressed when the total number of responses to a question or response option is less than 11.

OMNI Behavioral Health Wellness (Virginia, Resilience 2024)

Step 1. Select a Demographic Category: Overall

Step 2. Select a Population: all

Step 3. Use the map below to filter data to a specific region or Community Service Board.

Currently viewing data from Virginia

Reset Map

Top 3 community issues identified by young adults

- 63% Vaping or using e-cigarettes (e.g., JUUL, Vuse, MarkTen, blu)
- 49% Mental health/suicide
- 49% Underage drinking (under 21)

Substance Use

Substance	Lifetime Use	Past 30 Day Use
Alcohol	78%	54%
Cannabis	55%	28%
Cocaine	11%	4%

Cocaine

Content Navigation

- Overview
- Demographics
- Substance Use
 - Alcohol
 - Cannabis
 - Cocaine
 - Driving Under the Influence
 - Ecstasy/MDMA
 - Heroin
 - Methamphetamine
 - Over-the-Counter Medications
 - Prescription Medications
 - Tobacco
 - Vapes & E-Cigarettes
- Mental Health & ACEs
- Gaming & Gambling

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Currently viewing data from Virginia

Reset Map

Use Behaviors

Lifetime Use Rate	Past 30 Day Use Rates	
	Across All Respondents	Across Lifetime Users
11%	4%	33%

Age at First Use Among Those Who Have Ever Used Cocaine

Age Group	Percentage
11 or younger	4%
12-14	7%
15-17	23%
18-20	46%
21-25	21%

Frequency of Use During the Past 30 Days

Frequency	Across all respondents	Across lifetime users
not at all	96%	72%
once or twice	2%	15%
once or twice a week	1%	10%
daily or almost daily	0%	4%

Case Study 2: Youth & Adolescent Data

DBHDS's Office of Child and Family Services identified a need for streamlined access about data pertaining to youth and adolescent behavioral health outcomes.



How could we leverage our existing infrastructure to better meet the needs of a user basis focused on a specific population?

Youth & Adolescent Dashboards

The youth and adolescent dashboards mine VASIS dashboards for data pertaining to individuals under 18 and centralize them within a set of dashboards organized by topic area.

Youth & Adolescents

The data dashboard provides a thorough visual overview of adolescent substance use alongside key behavioral health indicators. Developed in response to the findings from the Capacity Building and Strategic Planning Project, a collaborative effort between The Office of Child and Family Services and OMNI, these dashboards offer valuable insight into understanding adolescent substance use trends in the Commonwealth. These dashboards contain data from across VASIS that pertain to the experiences of youth and adolescents under the age of 18 in Virginia.

- Population Overview
- Access to Resources
- Crime & Delinquency
- Gaming & Gambling
- Living Conditions
- Mental Health
- Physical Health
- Schools
- Substance Use**
- Victimization & Trauma

Substance Use

Substance Use Snapshots | Overdoses

Substance Use Snapshots

Topic: Alcohol | Region: Statewide | Demographic Breakdown: Age

Note: The Virginia Youth Survey uses distinct regions from other data sources on this dashboard. For a list of Virginia public school divisions by VYS region

Alcohol Related Risk Behaviors, Risk Factors, and Protective Factors

Have Ever Lived with Someone Who Was Having a Problem with Alcohol or Drug Use

Overall | By Age

15 or younger | 16 or 17 year old

50% | 40%

Statewide

Crime & Delinquency

Youth Behaviors | School-Based Incidences | Arrests | Juvenile Justice System Cases

Student Behavior and Administrative Response Reports

Step 1: Select a geographic level | Step 2: Select a school year | Step 3: Select a school type | Step 4: Select a behavior category

Locality Level | 2021-2022 | (All) | (All)

By Locality

Statewide | Region | CSB | Locality

Value

2021-2022 | 2022-2023

Location	Count	Rate per 1k
Accomack County	8,429	81
Albemarle County	10,776	15
Alexandria City	3,438	7
Alleghany County	1,670	39
Amelia County	1,682	17

Case Study 3: Internal Planning

OMNI Institute and OBHW are working together to undertake a strategic planning process for the 2025-30 SUBG cycle and need to develop data snapshots which capture how substance use and mental health outcomes have changed over the past five years.

A CSB is writing a grant to apply for additional funding and needs to include data about their community to illustrate need.



Any user can quickly hop on to VASIS and find recent indicator data without the need to do any analysis or scroll through a 70 page report.

Plan with ease

Quickly find what you're looking for when multiple datasets are organized by topic area.

Community snapshots compile all indicator data by geographic location, creating customized and interactive reports that help drive local planning and epidemiological outcomes monitoring efforts.



Disease, Injuries, and Fatalities

- + Hospitalizations
- + Overdoses
- + Suicides



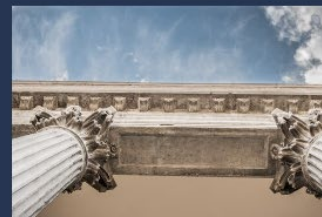
Health Risk Factors and Behaviors

- + Behavioral Risk Factor Surveillance System
- + Virginia Youth Survey



Health and Social Services

- + Benefits
- + Mental Health Services
- + Behavioral Health Services



Justice System

- + Uniform Crime Reports
- + Drug Cases
- + Juvenile Justice



Living Conditions

- + Population
- + Poverty
- + Unemployment



The Virginia Young Adult Survey

- + Virginia Young Adult Survey



So you want a dashboard?

Key Considerations

- Why is a dashboard needed? What purpose is it serving?
- Why is a Tableau dashboard preferable over other types of deliverables?
- Who is the target audience (e.g. local or state level prevention staff, coalitions, grantees, the public, legislators, etc.)?
- What data is important to our target audience and how are they currently accessing these data? Do they have specific data needs that aren't currently being met?

Future of VASIS



What's ahead?

- Re-branding to align with updated DBHDS branding guidelines
- Expanding access to data about priority populations and issues
 - Service members, veterans, and their families
 - Data related to problem gaming and gambling (problem gambling hotline and treatment data)
- Re-launching Community Snapshots
 - Allow users to pull data from across VASIS that relates to their county, CSB, or region on one dashboard

- Launching the Youth & Adolescents dashboards
 - Pulls data from across VASIS pertaining to Virginians under the age of 18
 - Adds new School-Based Incident Reports data from the Department of Education
 - Adds ySBIRT screening data
- Adding 2024 Young Adult Survey data

Thank you!

Any questions?

Want to learn more about VASIS or get on our mailing list?
Email us at vasis@omni.org

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Check out VASIS!

