Brain Injury Screenings and Supports

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Objectives:

- Understand common causes and types of brain injuries
- Identify the co-occurring conditions and the impact of those for the individual
- Identify helpful strategies for more successful treatment
- Understand the importance and impact screening for brain injuries can have on increasing successful outcomes
- Learn about Brain Injury resources statewide

Acquired Brain Injury (ABI)

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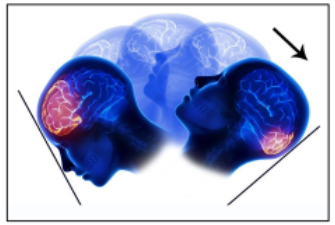
ABI: an injury to the brain that is not hereditary, congenital, degenerative, or induced by birth trauma

Types of ABI

Traumatic Impact — contact injury (head struck by or against something)



Traumatic Inertial — non-contact injury (brain moves within skull)

Non-Traumatic — internal insult to brain

Causes of ABI

Traumatic (TBI)	Non-Traumatic
• Falls • Assaults (e.g., abuse, violence) • Automobile accidents • Sports injuries • Gunshot/stabbing • Military actions	• Stroke • Infection • Seizure disorders • Brain tumor • Metabolic (e.g., liver, kidney disease) • Neurotoxic poisoning • Anoxia/hypoxia (e.g., heart attack, drowning)

BIAA Brain Injury Fundamentals https://biausa.org/professionals/academy-of-certified-brain-injury-specialists/acbis-fundamentals

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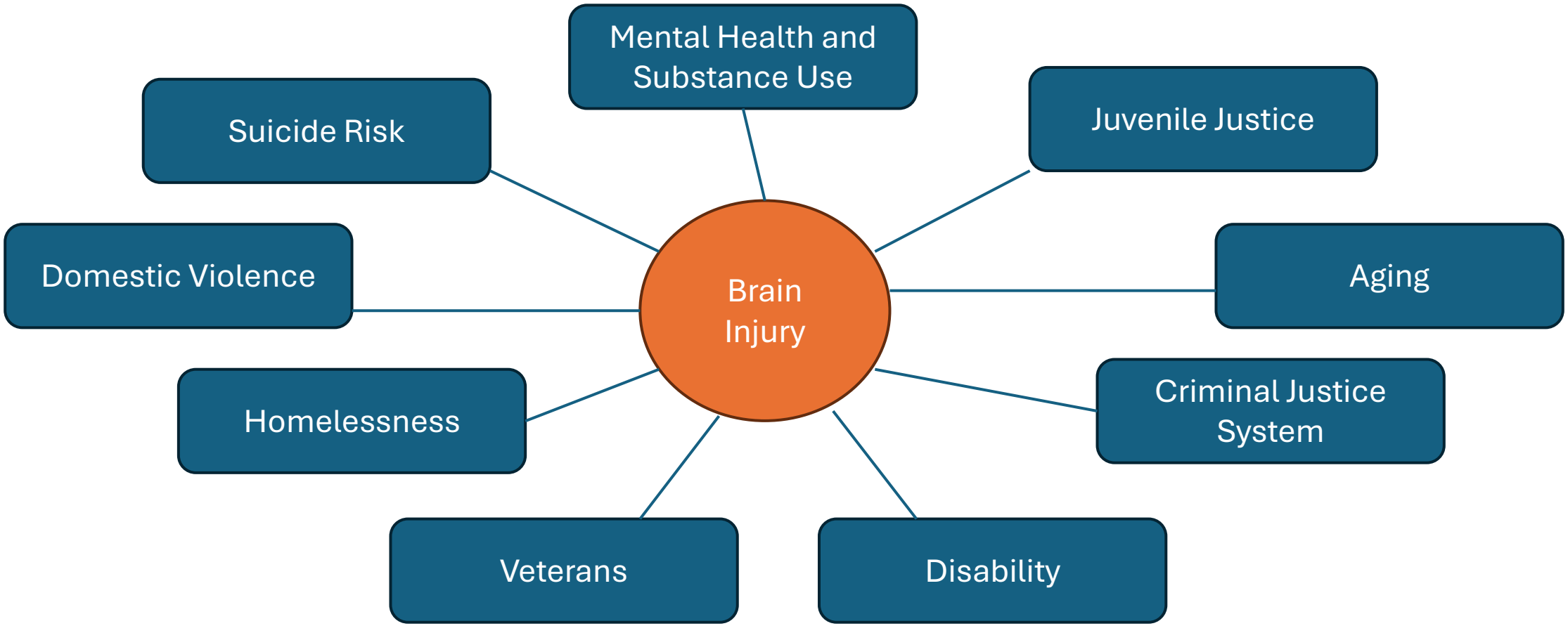

Brainlinks 2025 https://www.tndisability.org/infographics

New Brain Injuries in the US Every Year:

TBI Pediatric – 5.2 Million*

TBI Adult – 12.6 Million*

TBI Military – 19,167

Stroke – 795,000

Brain Tumors – 90,000

*According to the CDC, “current data sources may capture 1 out of every 9 concussions across the nation”. There are an unknown number that do not seek care but may have still experienced a brain injury that results in lasting affects.

Brainlinks 2025 https://www.tndisability.org/infographics

The Brain

Parietal Lobe:
-Tactile Performance
-Spatial Orientation
-Academic Skills
-Object Naming
-Visual Attention
-Eye-Hand Coordination

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Frontal Lobe:
-Emotional Control
-Behavioral Control
-Verbal Expression
-Problem Solving
-Decision Making
-Social Control
-Motivation
-Attention

Occipital Lobe:
-Visual Stimuli processing

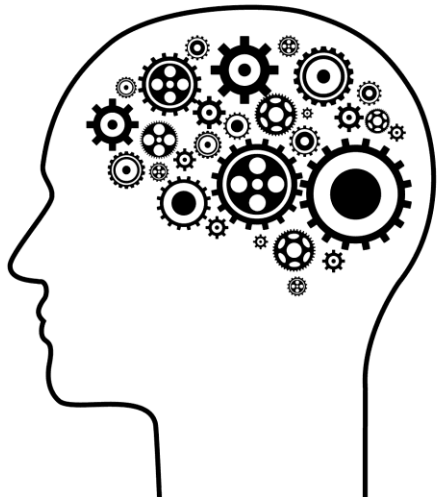
Cerebellum:
-Coordinating body movement

Temporal Lobe:
-Memory
-Face Recognition
-Selective Attention
-Locating Objects
-Object Categorization
-Receptive Language
- Emotional Responses
- Language comprehension

Brain Stem:
-Basic Life Functions (breathing, heart rate)

Cognitive Impairments

-Executive Functioning
-Language
-Memory
-Attention
-Behavior/Social Interactions
-Processing



Strategies

-Chunking
-Reduce distractions
-Use of Technology (apps, timers, calendars)
-Repeat information
-Slow down when talking, give more time for response
-Visuals

Recommendations for Best Practice Across All Systems

Screen

Educate

Assess

Connect

Screening

NASHIA OBISSS Tool

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NATIONAL ASSOCIATION OF STATE HEAD INJURY ADMINISTRATORS

www.nashia.org

Online Brain Injury Screening and Support System

THE **OBISSS** IS:

A SUBSCRIPTION SERVICE THAT IS CUSTOMIZED TO YOUR STATE OR ORGANIZATION

APPROPRIATE FOR AGES 13 AND UP

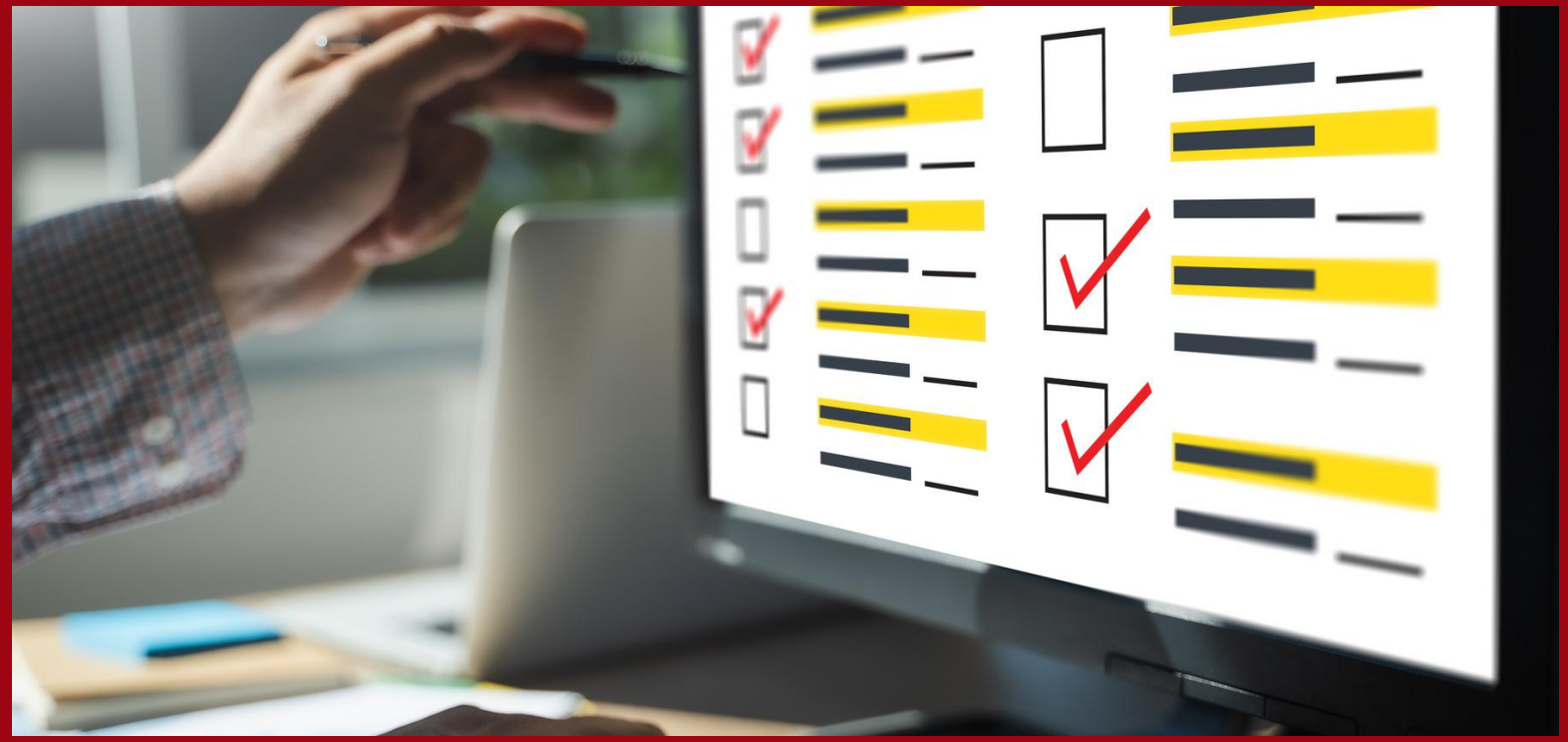
THE OBISSS USES:

ESTABLISHED TOOLS

THE OHIO STATE UNIVERSITY TBI-IDENTIFICATION METHOD (OSU TBI-ID)

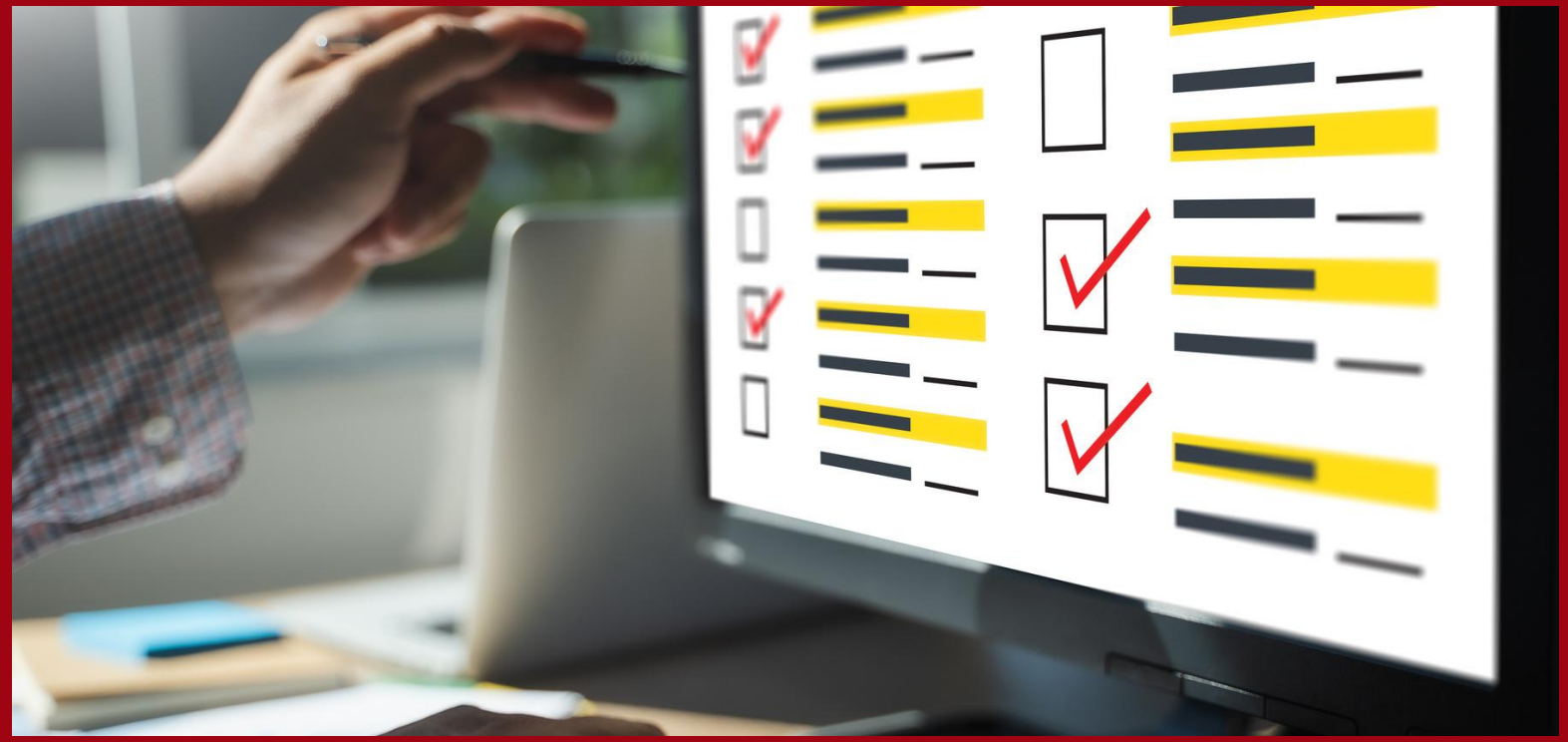
SYMPTOMS QUESTIONNAIRE FOR BRAIN INJURY (SQBI), ADULT AND YOUTH VERSIONS

THE OSU TBI-ID METHOD:



PROVIDES A WAY TO ESTIMATE IF THERE IS A LIKELIHOOD THAT CHALLENGES OR CONSEQUENCES EXIST FROM ONE'S LIFETIME EXPOSURE TO BRAIN INJURY.

THE SQBI ASSESSES THE FOLLOWING AREAS:



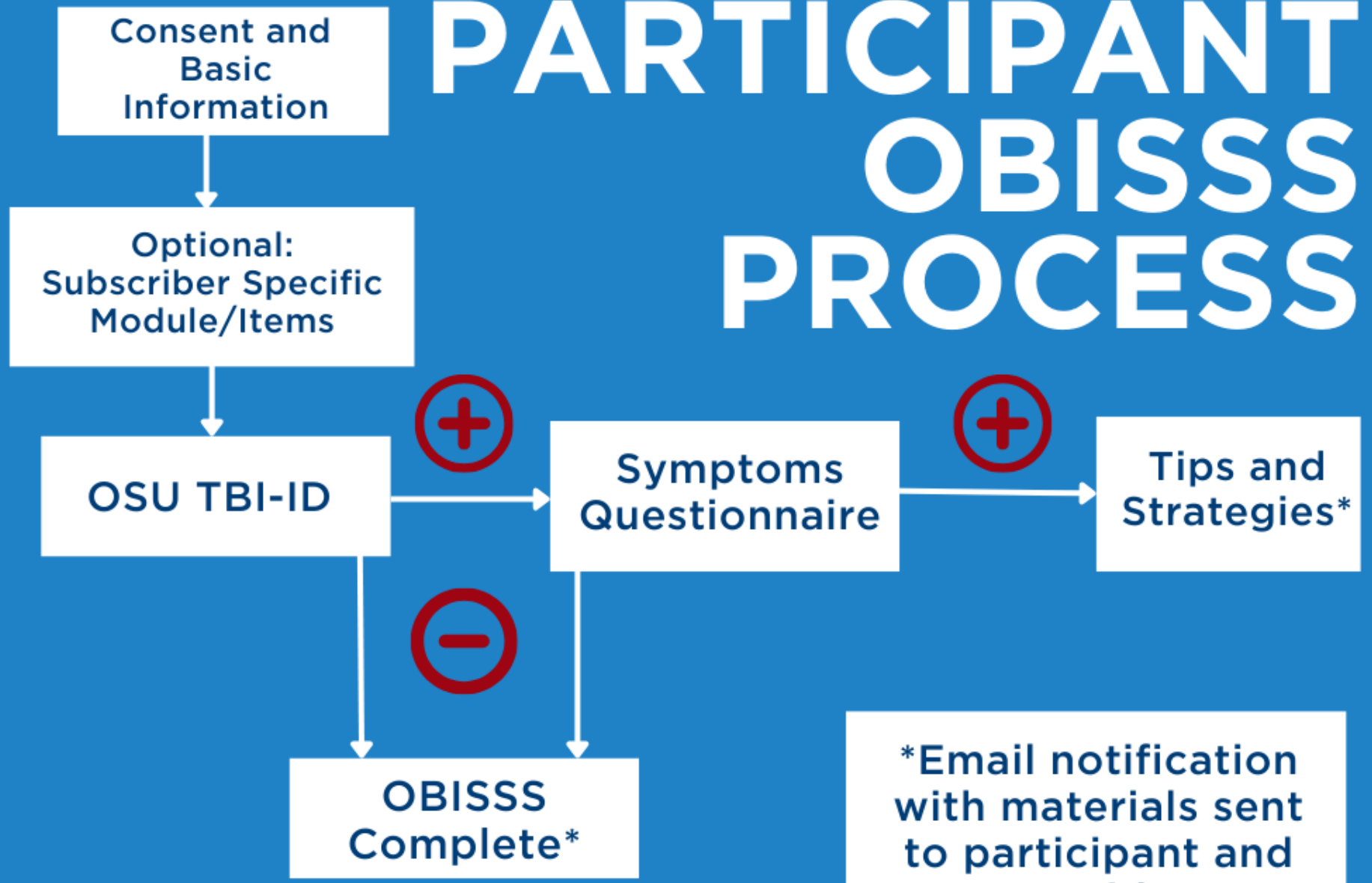
- MEMORY
- PROCESSING
- ATTENTION
- INHIBITION
- PHYSICAL AND SENSORIMOTOR CHALLENGES
- LANGUAGE
- ORGANIZATION
- MENTAL INFLEXIBILITY
- EMOTIONAL DYSREGULATION

THE OBISSS PROVIDES:

TIP SHEETS THAT INCLUDE STRATEGIES TO ASSIST WITH CHALLENGES ASSOCIATED WITH BRAIN INJURY

THE TIP SHEETS ARE GIVEN TO THE PARTICIPANT AND THE PROVIDER

PARTICIPANT OBISSS PROCESS



WHY USE THE OBISSS?

KNOWING ABOUT THE EXISTENCE OF BRAIN INJURY AND WHAT STRATEGIES TO USE...

SAVES TIME THROUGHOUT ONE'S WORK WITH A PARTICIPANT

ELIMINATES FRUSTRATIONS FOR BOTH PROVIDER AND PARTICIPANT

IMPROVES COMMUNICATION AND SERVICES

MULTIPLE LEVELS OF DATA

INDIVIDUAL DATA

-Helps identify someone with a potential brain injury.

-Helps improve services and service delivery for individuals to reduce intervention time, frustrations, and service barriers.

SUBSCRIBER DATA

-Assists in improving programming and indicates state-wide or organization-wide needs.

NATIONAL DATA

-Helps determine where resources are needed.

-Compares program data to other participating programs.

Screening

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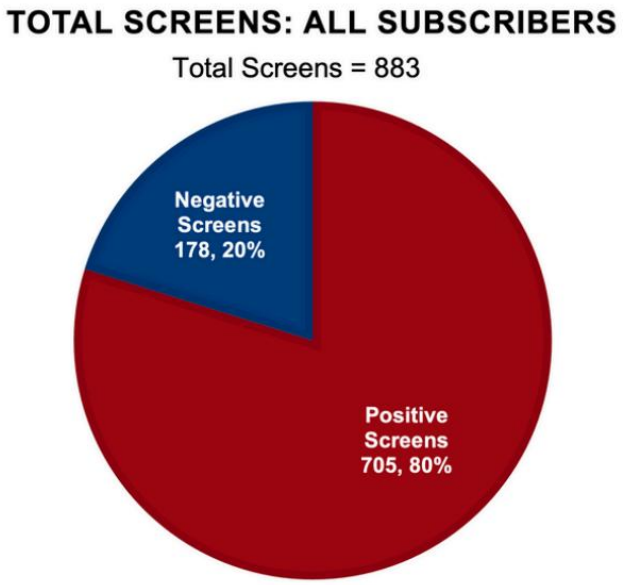
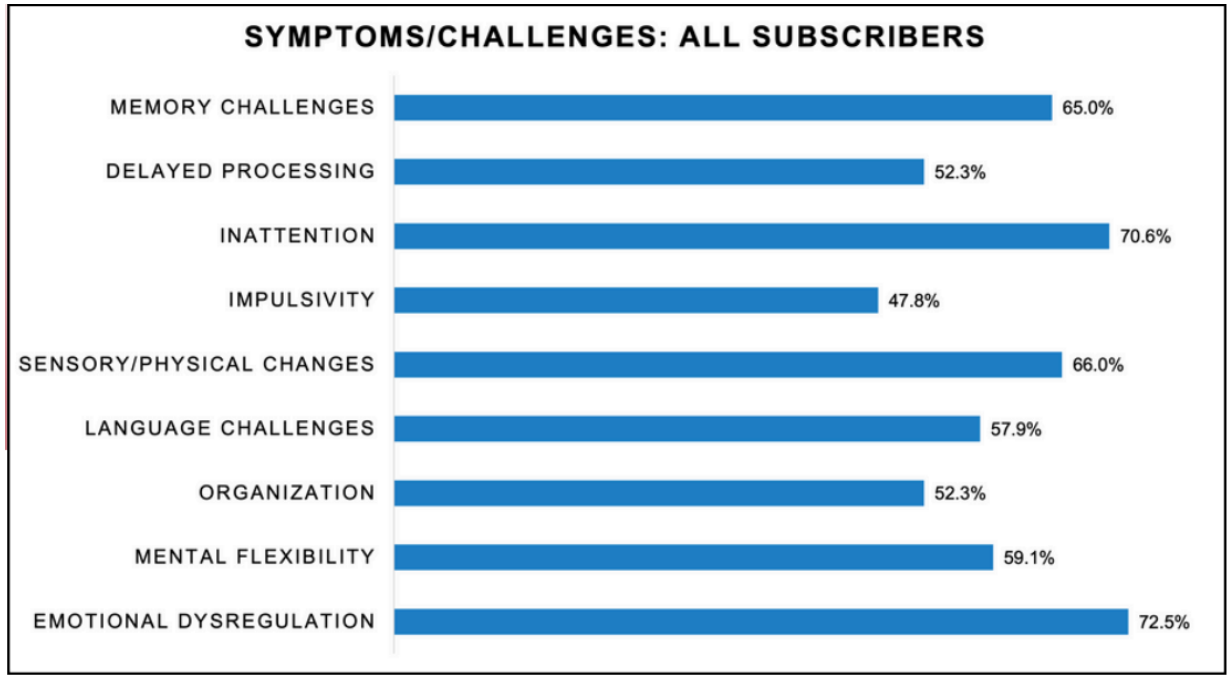
National Data from 2024





Screening

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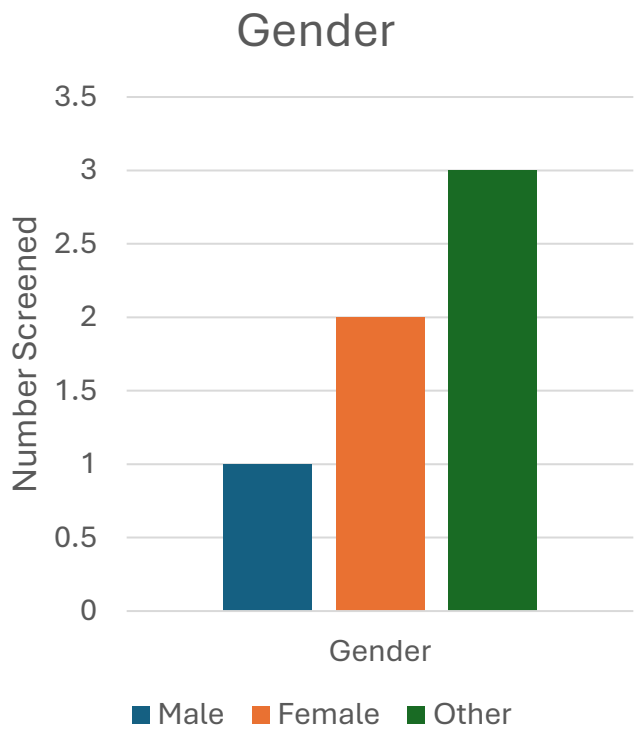
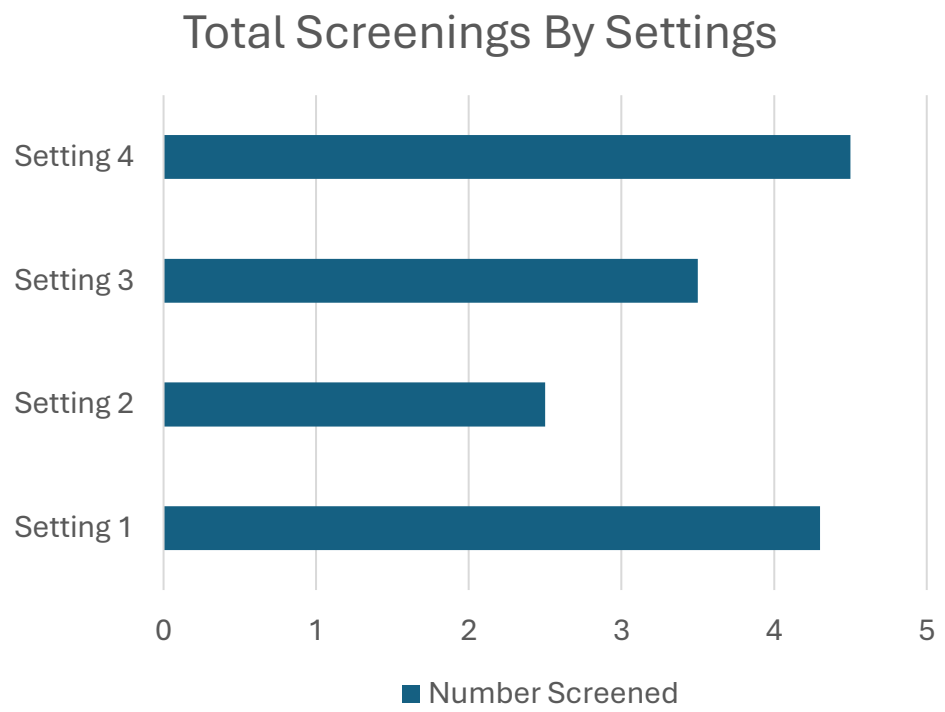
In Virginia, since July 2025 – TOTAL # of Screenings: _____





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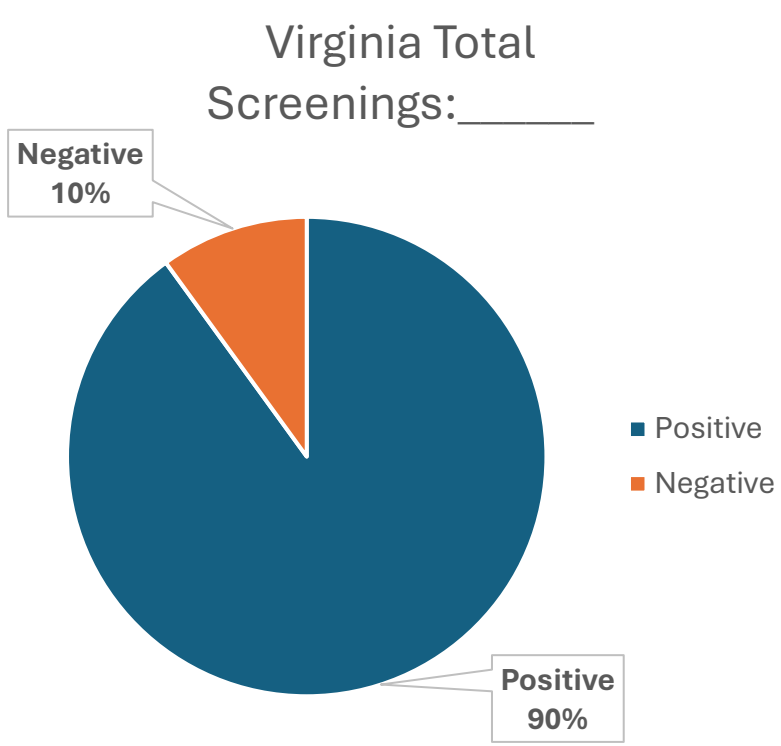
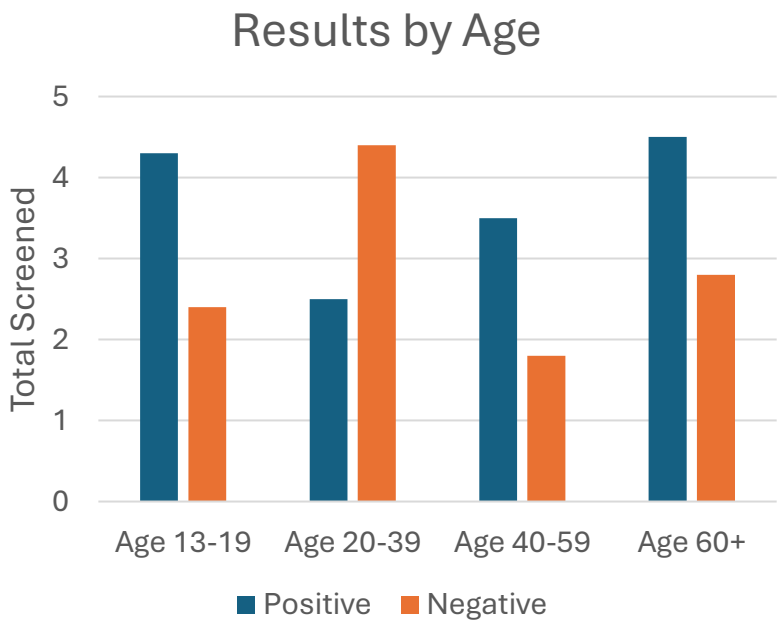
In Virginia, since July 2025:





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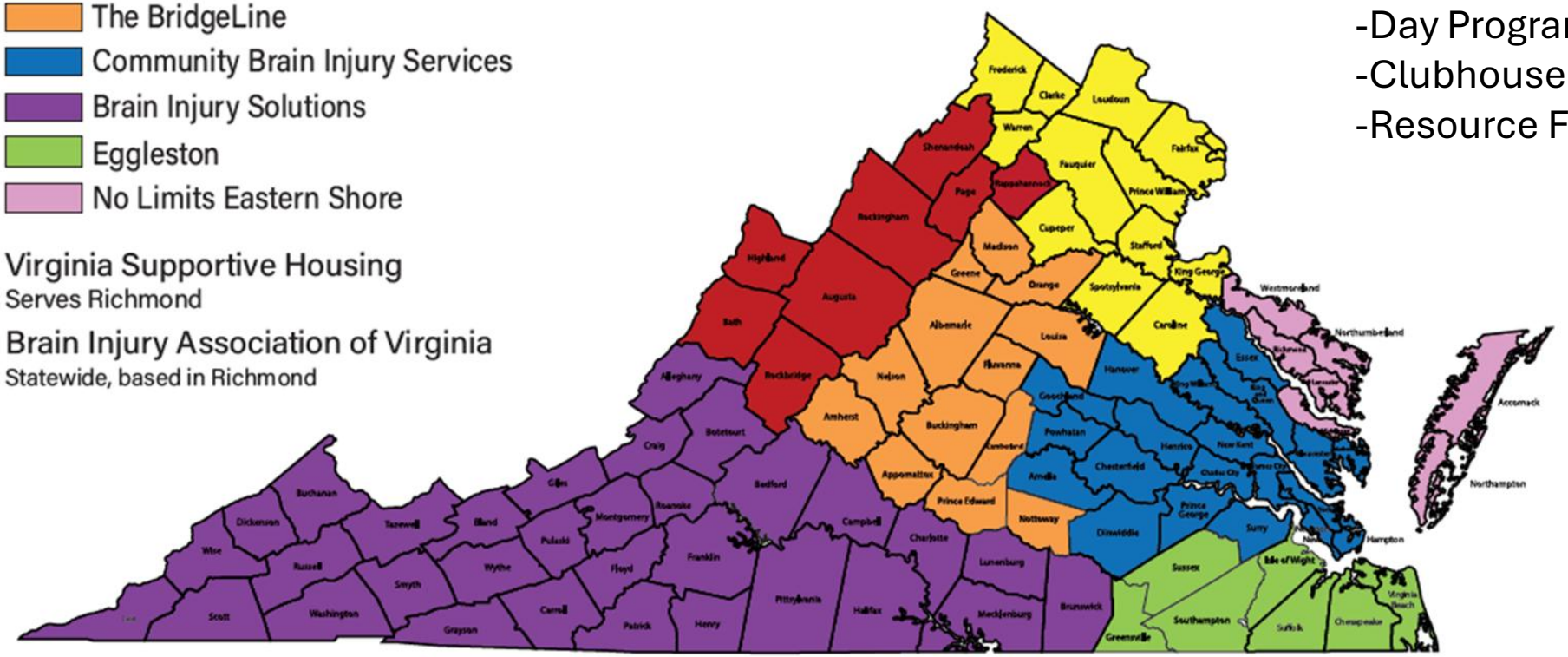
Virginia State Funded Brain Injury Organizations and Their Service Areas

Brain Injury Association of Virginia

- Brain Injury Services
- Brain Injury Connections of the Shenandoah Valley
- The BridgeLine
- Community Brain Injury Services
- Brain Injury Solutions
- Eggleston
- No Limits Eastern Shore

Virginia Supportive Housing
Serves Richmond

Brain Injury Association of Virginia
Statewide, based in Richmond



- Case Management
- Day Program
- Clubhouse
- Resource Facilitation

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Resources

-VA Department for Aging and Rehabilitative Services (DARS) - https://www.dars.virginia.gov/cbs/biscis.htm
-Brain Injury Association of Virginia (BIAV) - https://www.biav.net/
-Brain Injury Association of America (BIAA) - https://biausa.org/
-Local VA State Funded Brain Injury Programs – See Handouts
-BEST Connections - https://bestconnections.org/
-Centers for Disease Control (CDC TBI) - https://www.cdc.gov/traumatic-brain-injury/index.html
-Brainlinks Toolkits - https://www.tndisability.org/brain-toolkits
-VA Easy Access - https://easyaccess.virginia.gov/braininjury

Questions?

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