Serving Arkansans Living with Traumatic Brain Injuries

Traumatic Brain Injury State Partnership Program - Arkansas
Arkansas Trauma Rehabilitation Program
Learning Objectives

1. Define Traumatic Brain Injury (TBI)
2. Summarize the impact on Arkansas
3. Describe living with TBI
4. Discuss services and resources that benefit the TBI population
5. Discuss the TBI State Partnership Program and how it is helping in Arkansas
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What is a Traumatic Brain Injury?

Disruption in the normal function of the brain that can be caused by a bump, blow, or jolt to the head, or penetrating head injury. (cdc.gov)

Anyone of any age can sustain a TBI.
Here are some things to know...

TBI is a major public health problem in the U.S., a fact not well understood by the general public or by many healthcare professionals.

TBI is often called a “silent epidemic” because many of the problems that result from a brain injury, such as problems with memory and other thinking skills, are not always apparent.
Many people living with a brain injury were not properly diagnosed initially or afforded access to essential rehabilitation treatment.

The cost to society is estimated at $76.5 billion annually.
Common Causes of TBI

FALLS
Falls account for almost half (47%) of all TBI-related emergency department visits, hospitalizations, and deaths.

BEING STRUCK BY OR AGAINST AN OBJECT
Over two-thirds (70%) of concussions among high school athletes result from colliding with another athlete.

MOTOR VEHICLE CRASHES
Motor vehicle crashes are the leading cause of death for U.S. teens. Six teens aged 16 to 19 die every day from motor vehicle injuries.

https://www.cdc.gov/traumaticbraininjury/index.html
TOP 3 CAUSES OF TBI IN THE STATE:

- Jump or Fall = 33.40%
- Auto/Truck Accident = 26.68%
- Motorcycle Accident = 7.74%

AGE AT TIME OF REFERRAL:

- 21 – 40 years old = 32.72%
- 61 – 80 years old = 24.38%
- 41 – 60 years old = 22.02%

Data taken from the AR TBI Registry
January 1, 2014 - May 31, 2019
Read Joe’s Story in the Spring issue of the Brain Waves Newsletter!
Read Kerrie’s Story in the Summer issue of the Brain Waves Newsletter!
What are we doing to serve the TBI Population in Arkansas?
Eddie Williams, BSN,RN, CBIS

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Arkansas Trauma Rehabilitation Program (ATRP)

- Teleclinics
- Outreach
- Resources
- TBI Registry
- TRIUMPH Call Center
Purpose of the ATRP Program

• Increase access to medical information

• Improve care for traumatically injured Arkansans

• Decrease emergency department visits

• Improve quality of life
Arkansas currently has over 8,000 people living with a moderate to severe traumatic brain injury

74/75 counties have people living with brain injury

Do you know how many live in YOUR county?
Annual TBI Mortality Costs for Arkansas (2010)

- 719 Deaths

**Medical Cost**
- Average $7,465
- Total $5.4 million

**Work Loss Cost**
- Average $696,202
- Total $500.6 million

Cost of Combined Impact
- Average $703,667
- Total $505.9 million

Re-Hospitalization

• High probability of readmission rates to acute care within 1 year
• First year average re-hospitalizations 1.37 times (N=951)
• Most common health conditions
  • Urinary system
  • Respiratory system
  • Skin
• Average stay 15.5 day


What can we do?

**Education**
- Patient
- Professional

**Telemedicine**
- Teleclinics

**24-Hour Access**
- TRIUMPH CALL CENTER
  - Patient
  - Professional

**Resources**
- Website > https://www.atrp.ar.gov
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The TBI SPP is funded in Arkansas by a 3-year federal grant awarded by the Administration for Community Living to the UAMS Institute for Digital Health & Innovation in partnership with the Arkansas Trauma Rehabilitation Program and the Arkansas Department of Health.
Goals for Arkansas

1. Build an advisory board with engagement from people living with brain injury
2. Identify and develop a plan for the underserved population living with brain injury
3. Build a trust fund and/or waiver program
Additional Projects to Support the TBI Community

• Regional Brain Injury Workshops
• Online Support Group
• Partnerships with other brain injury organizations
• Presentations like this one
Please Help Us Build a TBI Plan for Arkansas

https://tinyurl.com/ARTBISPP
Connect With Us

Arkansas Trauma Rehabilitation Program

https://atrp.ar.gov
501-526-7656

TBI State Partnership Program - Arkansas
501-398-6031
https://tinyurl.com/ARTBISPP
Thank you!

Please stay in touch and let us know how we can help you!

In Partnership With:

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