

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

Terri Imus, BSN,RN

Clinical Director,

Go Live Team

Institute for Digital Health & Innovation

PI, TBI State Partnership Program

Email: ImusTerriL@uams.edu





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.

Here are more things to know...

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.

Arkansas Data

TOP 3 CAUSES OF TBI IN THE STATE:

Jump or Fall = 33.40%

Auto/Truck Accident = 26.68%

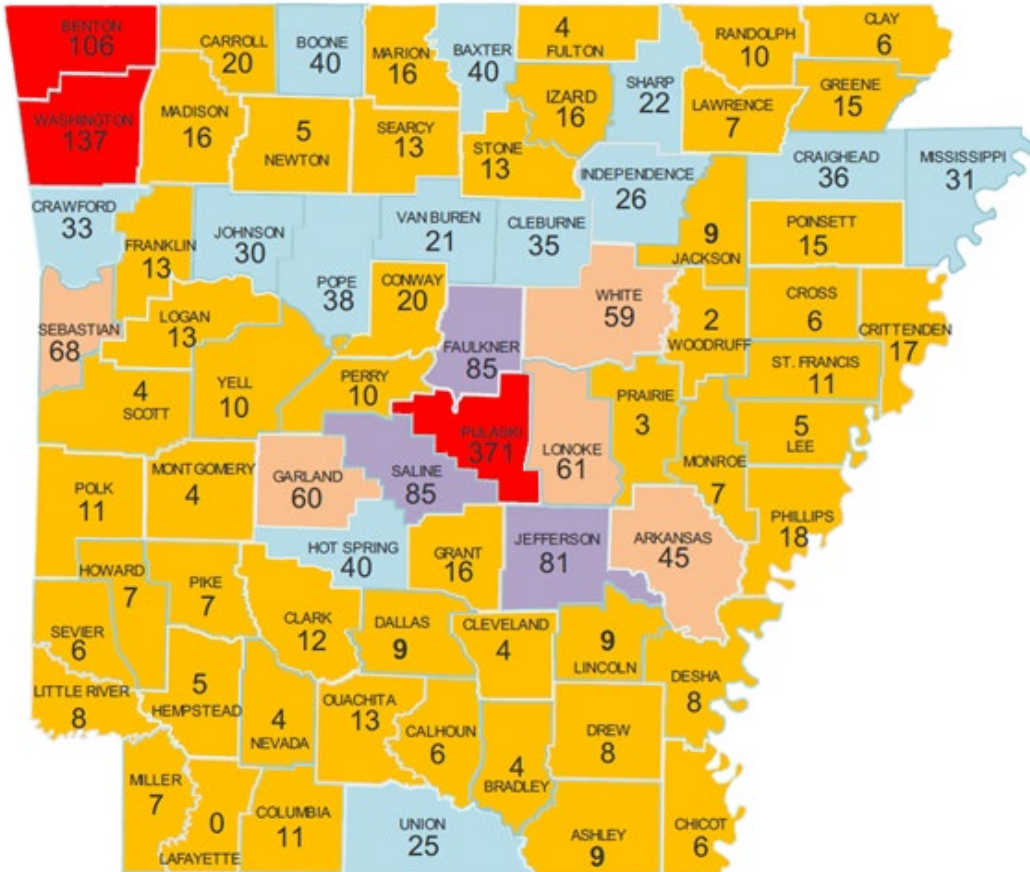
Motorcycle Accident = 7.74%

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



Joe Page

Warden,
Arkansas Department
of Corrections



Read Joe's Story in the Spring issue of the Brain Waves Newsletter!



Kerrie Snyder



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

Nurse Educator

Arkansas Trauma Rehabilitation Program

Email: ewilliams7@uams.edu



Arkansas Trauma Rehabilitation Program (ATRP)

- Teleclinics
- TBI Registry
- Outreach
- TRIUMPH Call Center
- Resources



Purpose of the ATRP Program

- Increase access to medical information
- Improve care for traumatically injured Arkansans
- Decrease emergency department visits
- Improve quality of life



Why We Care

- 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?***

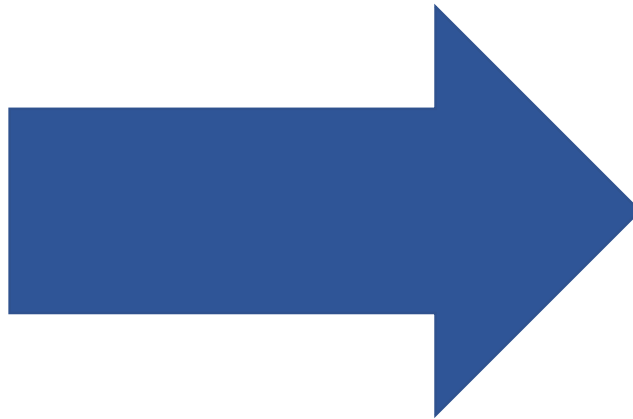


Annual TBI Mortality Costs for Arkansas (2010)

- 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



DeJong, G., Tian, W., Hsieh, C., Junn, C., Karam, C., Ballard, P., Smout, R., Horn, S. D., Zanca, J. M., Heinemann, A. W., Hammond, F. M., Backus, D. (2013). Rehospitalization in the First year of Traumatic Spinal Cord Injury After Discharge from Medical Rehabilitation. *Archives for Physical Medicine and Rehabilitation*. 94(2) pp. 87-97 Retrieved from <http://dx.doi.org/10.1016/j.apmr.2012.10.037>

Tilford, J.M., Porter, A., Scheel, J., Boyd, M., Pullman, M. (2013). Hospitalizations and Medical Care Costs of Serious Traumatic Brain Injuries, Spinal Cord Injuries and Traumatic Amputations.

*Medicaid numbers

What can we do?

Education

- Patient
- Professional

Telemedicine

- Teleclinics

24-Hour Access

- TRIUMPH CALL CENTER
 - Patient
 - Professional

Resources

- Website >
<https://www.atrp.ar.gov>

Kim Lamb, MS

Assistant Director of Programs
TBI State Partnership Program

Email: kklamb@uams.edu



TBI State Partnership Program

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>

In Partnership With:



This project was supported in part by grant number 90TBSG0026-01-00, from the U.S. Administration for Community Living, Department of Health and Human Services, Washington, D.C. 20201. Grantees undertaking projects with government sponsorship are encouraged to express freely their findings and conclusions. Points of view or opinions do not, therefore, necessarily represent official ACL policy.

Thank you!

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