

**MINDSOURCE – Brain Injury Network  
Report to the Joint Budget Committee and  
Health and Human Services Committees  
July 1, 2017 – June 30, 2018**

**Program Overview**

MINDSOURCE – Brain Injury Network (MINDSOURCE), formerly the Colorado Brain Injury Program, was created by Title 26, Article 1, Part 3 of the Colorado Revised Statutes, to improve the lives of Colorado residents who have survived traumatic brain injuries (TBI). This statute created the Colorado Traumatic Brain Injury (TBI) Trust Fund (Trust Fund) to finance program activities and the Trust Fund Board to advise the program on Trust Fund operations. The board is administered within the Colorado Department of Human Services (CDHS). Three board members are designated in statute and 10 members are appointed by the Governor with the consent of the Senate. Please see below for a list of board members. The Board has established three ongoing committees to assist staff in policy-setting of program goals and strategic planning for the Trust Fund: Program Evaluation and Research, Revenue, and Vision and Outreach.

**Trust Fund Board of Directors**

<b>Name</b>	<b>Employment/Affiliation</b>
Brittany Bell	The Sturdy Life
Theresa Chase, PhD	Colorado Mesa University
Cheryl Catsoulis	Brain Injury Alliance of Colorado
Dawn Comstock, PhD	University of Colorado, School of Public Health
Sena Harjo	Clayton Early Learning Center
Catharine Johnston-Brooks, PhD	Denver Veterans Affairs Medical Center
Danny Mistry, MD	Western Orthopedics & Sports Medicine, P.C.
Helen Morgan	Denver District Court
Jennie Munthali, MPH	Colorado Department of Public Health and Environment
Gretchen Russo, RN, BSN, JD	Colorado Department of Human Services
Patrick Schniederjan, PhD	Mesa County Valley School District
Wendy Turman	MCE Social Capital
William Wosilius	Optiv Security

**Program Administration**

CDHS administers MINDSOURCE which is housed within the Office of Community Access and Independence. MINDSOURCE staff work closely with the Trust Fund Board to perform the following functions for the program: financial management, policy development, program development and implementation, contract management, program monitoring, administrative support, website maintenance, public assistance and information, reporting, marketing and public relations.

**Revenue and Expenditures**

Through the TBI Trust Fund, MINDSOURCE receives revenue from surcharges assessed for convictions of driving under the influence of drugs or alcohol (DUI), driving while ability is impaired (DWAI), speeding, and riding a motorcycle or motorized bicycle without a helmet (for youth under the age of 18). The surcharges are \$20.00 for DUI/DWAI convictions and \$15.00 for speeding and helmet convictions.

Funds are divided across program areas based on the following percentage minimums: 55 percent for services, 25 percent for research, and 5 percent for education. This leaves 15 percent of funds available

and flexible so that the Program Director and Board of Directors can determine program areas in need of an increase in funds during the year.

MINDSOURCE had a spending authority of \$2,800,000 for Fiscal Year 2017-18. As of July 25, 2018, the Trust Fund received \$2,038,838 and expended \$2,382,506 for FY 2017-18. Unexpended revenue goes into a reserve fund which is critical to maintain in order to help cover expenses when program revenue is less than anticipated. The current reserve fund is \$1,617,983. Revenue generated this FY is significantly lower than the past three years which averaged approximately \$2.4 million.

### **Services**

MINDSOURCE contracts with the Brain Injury Alliance of Colorado (BIAC) to provide outreach, intake and eligibility, case management services, and education consultation (for youth 0-21). In addition, MINDSOURCE has an interagency agreement with the Colorado Department of Education (CDE). The focus of the CDE interagency agreement is to build the capacity of school and community providers to better support and serve children/youth with brain injury.

During FY 2017-18, 300 new adults applied for services and 1,053 adults received services during the fiscal year (753 of the 1,053 adults stayed in services from the previous FY). 59 new youth applied for services and 107 youth received services during the fiscal year (48 of the 107 youth stayed in services from the previous FY). Additionally, 85 youth received education consultation. There has been a growth of applications to the program. As such the program was faced with needing to establish a wait list for case management support at the end of FY 2017-18. To avoid this wait list and to be more responsive to program clients, MINDSOURCE worked with BIAC to redesign the case management program. The new program began July 1, 2018 (therefore was not instituted during this reporting period). Features of the new program include a more targeted and responsive approach to case management. This includes eliminating the two-year program period. Under the former model, clients were enrolled in case management supports from BIAC for two years regardless of need. Instead the program will work with clients on a needs basis and once that need is met, the client's case will be closed. However, they will be able to call in at any time if a new need arises. Additionally, the program will be featuring a new "self-management" aspect designed to be an intensive skill-building program which will provide clients with the necessary tools to become self-sufficient and less reliant on BIAC case management supports. To prepare for this significant shift in approach to service delivery, BIAC began to close out existing clients slowly from January to May. This allowed for BIAC staff to train on the new model and ensure all clients receive the new approach to support starting July 1, 2018.

In addition to case management services, MINSOURCE contracts with BIAC to provide classes and workshops for clients. 228 individuals took advantage of the classes and workshops. During this reporting period the following classes and workshops were provided:

- A Matter of Balance
- Adaptive Yoga - Fort Collins
- Adults Living with a Pediatric Brain Injury - Boulder
- Assistive Technology Basics
- Brain Injury Basics Class (Multiple Locations)
- Colorado Springs Music Therapy
- Cooking Matters For Adults
- Denver Art Class
- Denver Music Therapy
- Education Workshop for Parents of Youth with a Brain Injury
- Energy Conservation Workshop
- Financial Health Workshop
- Home Office Organization

- Lunch & Learn
- Mindful Brain Mindfulness Class
- Mindful Yoga Resiliency - Fort Collins
- Music Therapy for Young Adults - Fort Collins
- Needlework
- Socializing (and dating!) after a Brain Injury
- Summer Sensory Program - Denver Botanic Gardens
- The GrowHaus Workshop

As indicated previously, MINDSOURCE has an interagency agreement with CDE. The focus of the CDE interagency agreement is to build the capacity of school and community providers to better support and serve children/youth with brain injury. CDE has been involved in many activities this year including:

- Hosting Concussion Action Team (CAT) bi-monthly meetings.
- Managing the CAT listserv with over 356 members (CAT is comprised of school district personnel with the purpose of connecting school districts who are working on concussion issues and providing guidance on best practices).
- Consulting with Brain Injury Teams in the schools.
- Developing concussion management and Return to Activity protocols for non-athletes via a Concussion Committee.
- Developing a new model to support students with brain injury across the continuum of mild to severe brain injuries. This model includes the development of school-based Concussion Management Teams (trained through a recently developed online course).
- Development of BrainSTEPS (Strategies Teaching Educators, Parents and Students) teams to support youth with protracted recovery from concussion and those with moderate to severe brain injury. This program is modeled after a successful program in Pennsylvania. During FY 2017-18 CDE hosted two, two-day, statewide BrainSTEPS team trainings and a one-day Team Leader Training workshop. Currently 16 school districts and four Boards of Cooperative Education Services (BOCES) have BrainSTEPS teams.

### **Outreach**

MINDSOURCE contracts with BIAC to provide training and outreach. During FY 2017-18, BIAC coordinated 80 outreach and training activities across the State. Outreach typically consists of meeting with community providers to share information about services and to encourage referrals to programs.

### **Research**

MINDSOURCE awards grants to support research in Colorado related to the treatment and understanding of traumatic brain injuries. The Research Program has established the following three research priorities: basic science, clinical science, and health services and outcome research. Research is funded at two levels: Type I (up to \$50,000/year for two years) and Type II (up to \$150,000/year for two years).

During FY 2017-18, two research grants were completed and four grants were active. Expenditure for research grants totaled \$774,099 for FY 2017-18. The research grants funded are summarized below.

**Title:** *“Fast MRI for Young Children with TBI”*

**Principal Investigator:** Dr. Daniel Lindberg

**Institution:** University of Colorado

**Award:** \$375,000

**Status:** Type II project began July 1, 2015 and granted a one year no-cost extension to June 30, 2018

**Title:** *“Secondary Analysis of Colorado Traumatic Brain Injury (TBI) Prevalence Data by Geography and Race/Ethnicity.”*

**Principal Investigator:** Priscilla “CB” Eagye, MS

**Co-Principal Investigator:** Gale Whiteneck, PhD, FACRM

**Institution:** Craig Hospital

**Award:** \$41,692

**Status:** Type I project began July 1, 2017 and ended June 30, 2018

**Title:** *“Role and neuroanatomic basis of concurrent medical conditions in outcome following moderate to severe traumatic brain injury: Development of a TBI-specific index”*

**Principal Investigator:** Gale Whiteneck, PhD, FACRM

**Institution:** Craig Hospital

**Award:** \$348,498

**Status:** Type II project began July 1, 2017 and will end June 30, 2019

**Title:** *“Decision Making about Intracranial Pressure Monitoring in Children with TBI”*

**Principal Investigator:** Tellen D. Bennett, MD, MS

**Institution:** University of Colorado, Denver

**Award:** \$374,254

**Status:** Type II project began July 1, 2017 and will end June 30, 2019

**Title:** *“Strength and Awareness in Action: an Intervention for Post-Acute TBI Headaches”*

**Principal Investigator:** Lisa A. Brenner, Ph.D.

**Institution:** University of Colorado, Anschutz Medical Campus

**Award:** \$363,183

**Status:** Type II project began July 1, 2017 and will end June 30, 2019

**Title:** *“A Longitudinal, Multi-Dimensional Assessment of Recovery and Added Benefit of a Behavioral Health Intervention for Children with Abusive Head trauma”*

**Principal Investigator:** Terri Hoar Lewis, Ph.D.

**Institution:** University of Colorado, Denver

**Award:** \$372,418

**Status:** Type II project began July 1, 2017 and will end June 30, 2019

## **Education**

MINDSOURCE awards community projects to promote the awareness and education of brain injury. During Fiscal Year 2017-2018, 11 community projects were funded and began work. The combined total grant dollars awarded was \$192,576 over two fiscal years. Grants range in amounts from \$5,000 to \$20,000 and can be for a period of one or two years with a maximum of \$10,000/year. The following entities were awarded grants: Western Colorado Area Health Education Center; University of Colorado, Colorado Springs; Think First; Helmet Heads; Spring Institute; Northwest Center for Independence; Boulder County Area Agency on Aging; and Domestic Violence Initiative.

In addition to education grants, MINDSOURCE continues to collaborate with the State Unit on Aging to partner with county agencies in the provision of *A Matter of Balance*, a fall prevention curriculum for older adults, across the State of Colorado. The program also helps to support conferences and trainings facilitated by community partners. Finally, the program partners with CDHS Offices, Divisions and Programs as well as other state agencies by providing training on identification of brain injury and guidance for supporting individuals with brain injury in their respective systems to help them achieve greater outcomes.