

## ***Brain Injury in Iowa***

### **Background:**

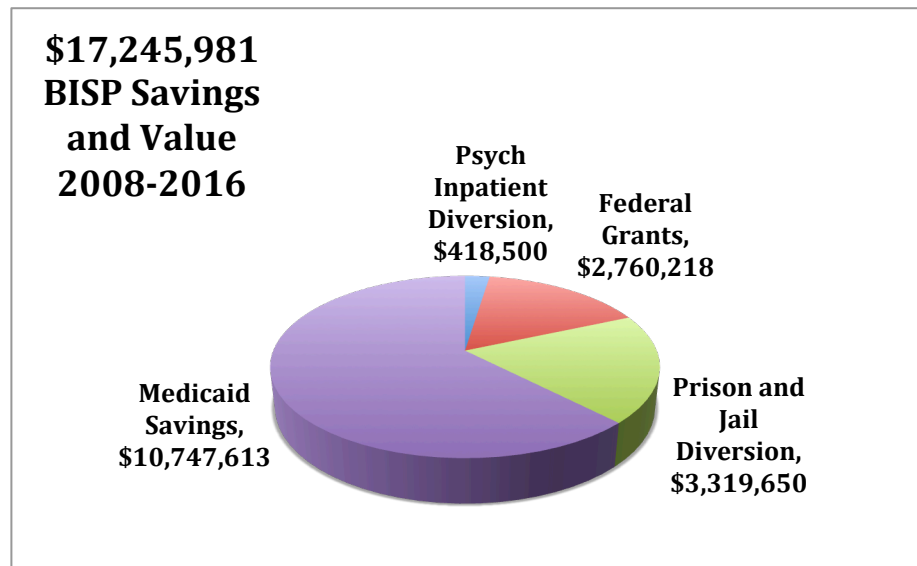
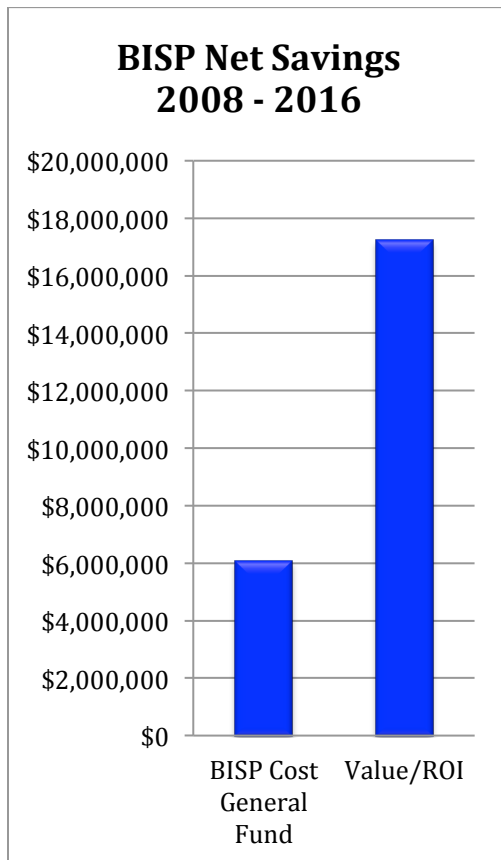
- The population of Iowans with disability from brain injury is increasing.
  - In the past decade the death rate from brain injury has been decreasing with many more Iowans surviving moderate and severe brain injury.
  - In addition the health care systems in Iowa (and across the country) have decreased length of stay at all levels of medical care resulting a range of unmet needs including post-acute rehabilitation and long-term rehabilitation.
  - Rehabilitation for persons with BI is a long-term process.
- 33,430 Iowans sustained a traumatic brain injury in the year 2014.
- Falls, motor vehicle crashes, and strokes are the top three causes of brain injury in Iowa.
- Status: Iowa Medicaid HCBS Brain Injury waiver services (as of 12/2017).
  - 1,509: CMS Cap
  - 1,450: Approved in ISIS
  - 141: In Process
  - 1,108: Waiting List
  - 10/26/15: Next Application Date (> 2 years)

### **The Impact of Neuro Resource Facilitation and Training for brain injury outcomes.**

- Neuro Resource Facilitation (NRF) is a form of support and care coordination for Iowans with brain injury and their families. NRF is designed to work with Iowans with brain injury and their families to navigate the complex and expensive impact of brain injury.
- ***Result - a significant reduction of unemployment, inpatient psychiatric care, incarceration, and unnecessary Medicaid support.***
- NRF has served more than 7,500 Iowans since 2008 and responds to more than 25,000 calls and contacts each year.

## The Return on Investment from the Brain Injury Services Program

- The return on investment can be calculated by considering the monetary value of the services and the State's contribution toward the Brain Injury Services Program (Appropriations):
- ***\$17,245,981 = Value of BISP Services (2008-2016)***
- ***\$6,079,576 = State Investment in BISP (2008-2016)***
- ***$17,245,981 - 6,079,576 = 11,166,405 / 6,079,576 = 1.84$***
- **A 184% return**



The value of BISP services include the following:

1. State portion of Medicaid costs avoided via NeuroResource facilitation and consultation services
2. State prison/County Jail costs avoided via NeuroResource facilitation services.
3. Federal grant funds leveraged for brain injury systems change by IDPH (IDPH Reported).
4. Psychiatric inpatient day costs avoided via NeuroResource facilitation services.