

# Working together to improve brain and behavioral health for all New Mexicans

Friday November 7<sup>th</sup> 2014



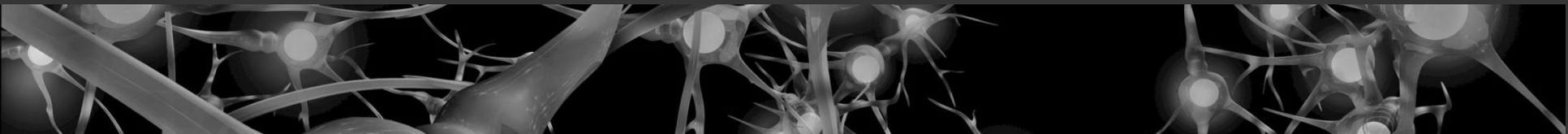
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# Institutional Priorities

2010-2015 Brain and Behavioral Health Institute

2005-2010 Clinical Translational  
Science Center

2000-2005 Cancer Center



# A Cancer Center for The Brain...

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A Cancer Center Designated by the National Cancer Institute

## World-Renowned Cancer Experts, Right Here.

Four international cancer experts choose the UNM Cancer Center—bringing world-class care to New Mexicans.

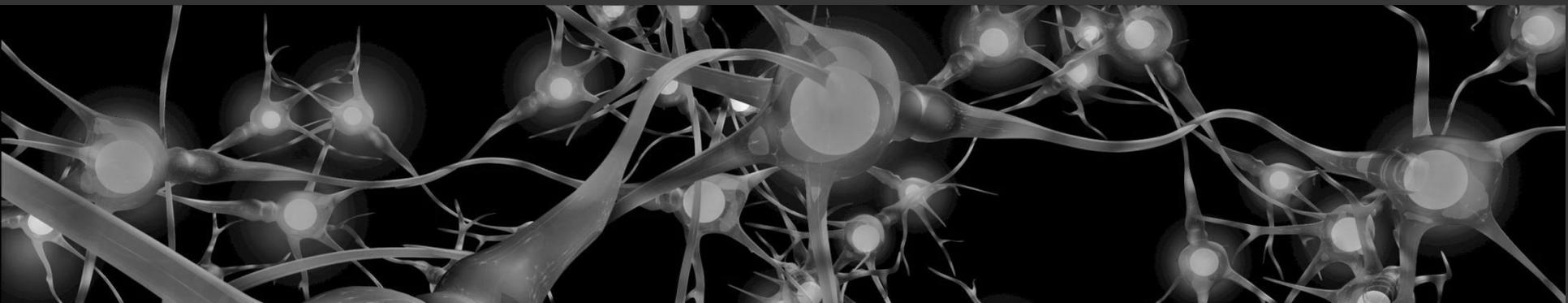
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A NATIONAL CANCER INSTITUTE DESIGNATED CANCER CENTER • THE OFFICIAL CANCER CENTER OF THE STATE OF NEW MEXICO



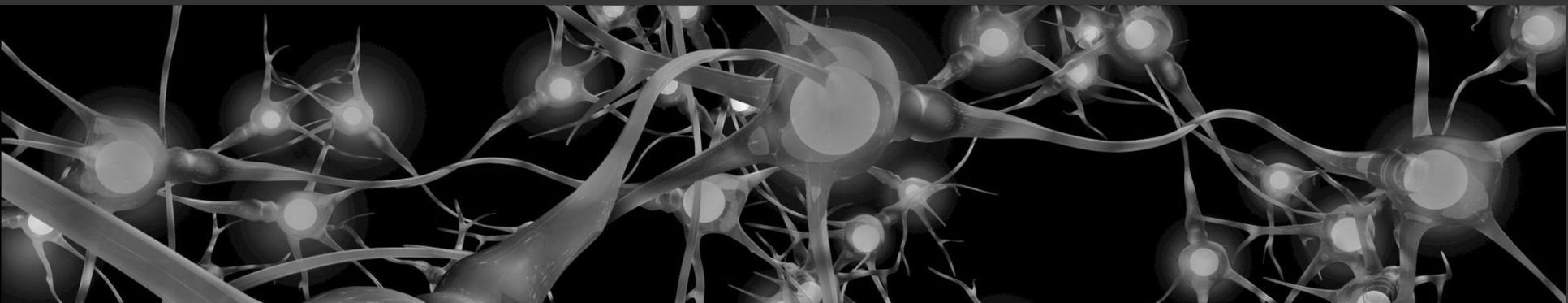
# What is Brain & Behavioral Health?



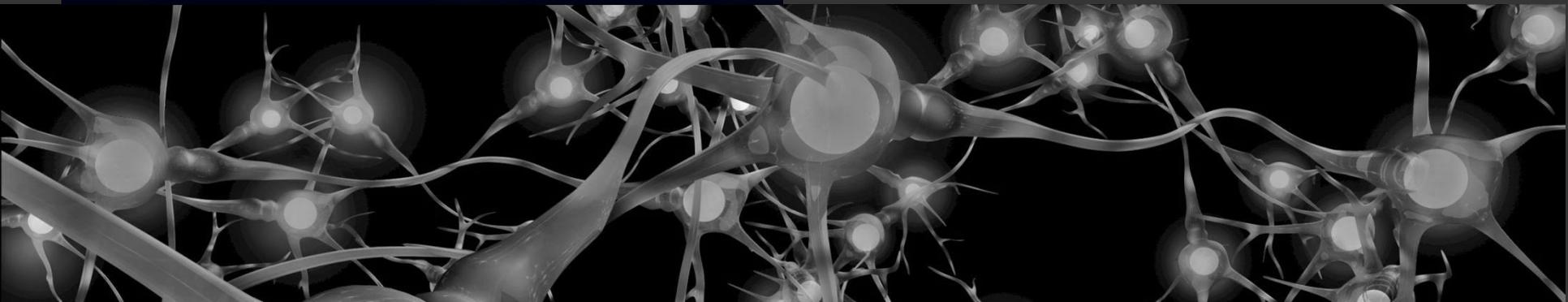


## The Brain:

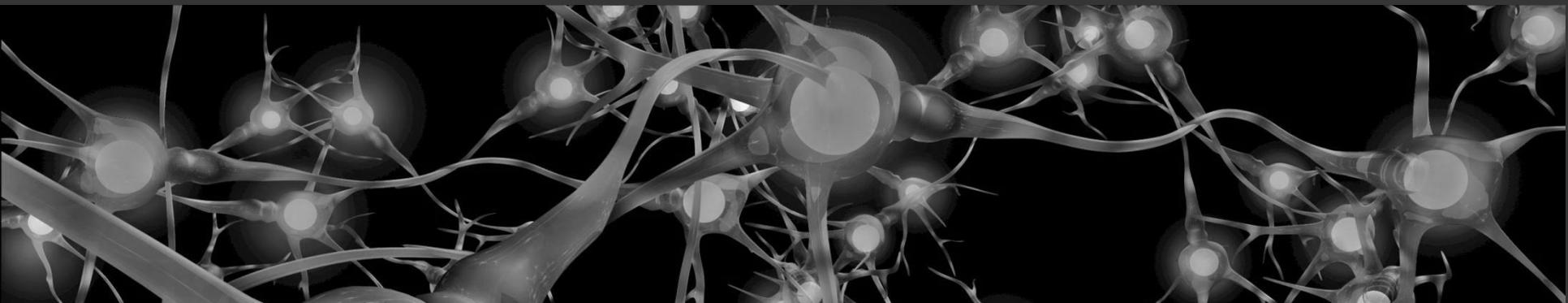
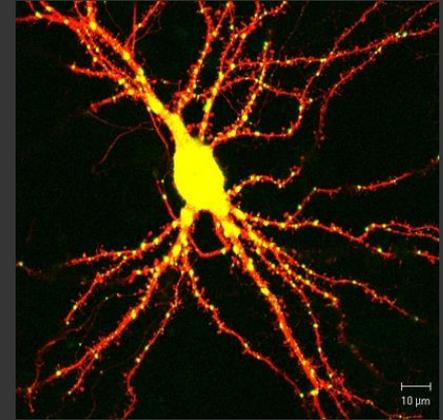
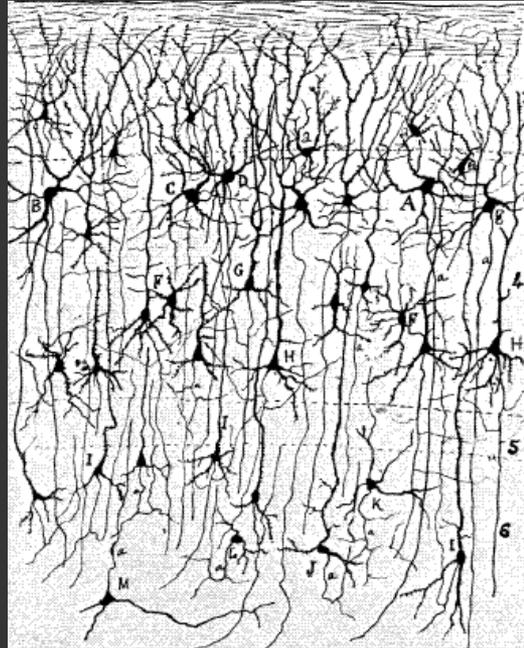
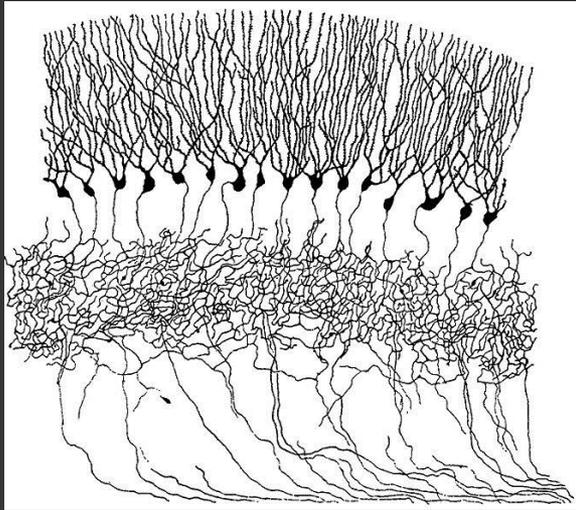
A marvelously  
complex organ with as  
many cells as there are  
stars in the *Milky Way*



# 100 billion neurons

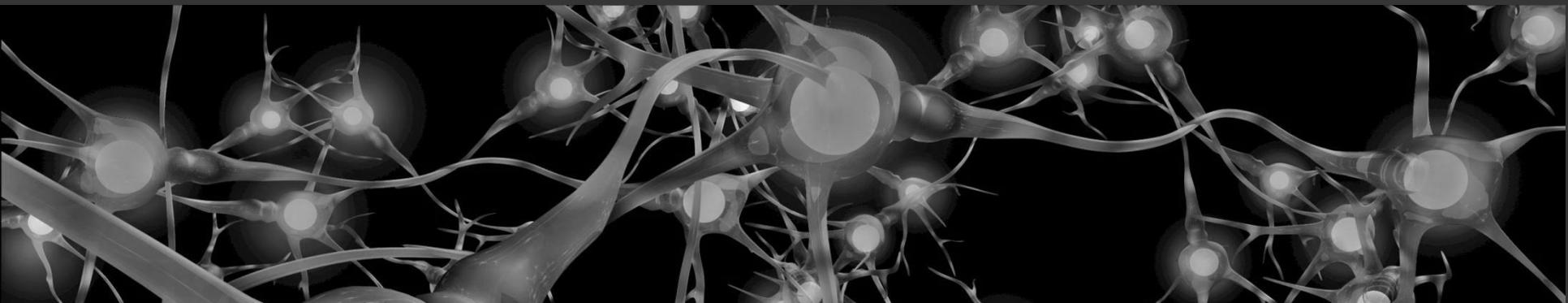


# 100 trillion synapses synapses



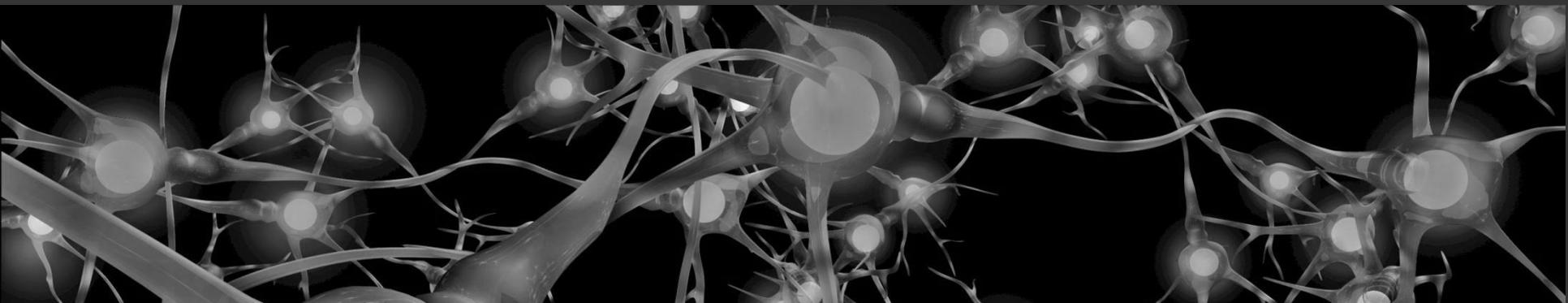


***Brain and behavioral illnesses*** are disorders that originate in the brain and can affect multiple areas of a person's life including their movements, thoughts, moods, body functions and behaviors.



*While there are hundreds of different brain and behavioral health disorders, the following are some of the more common:*

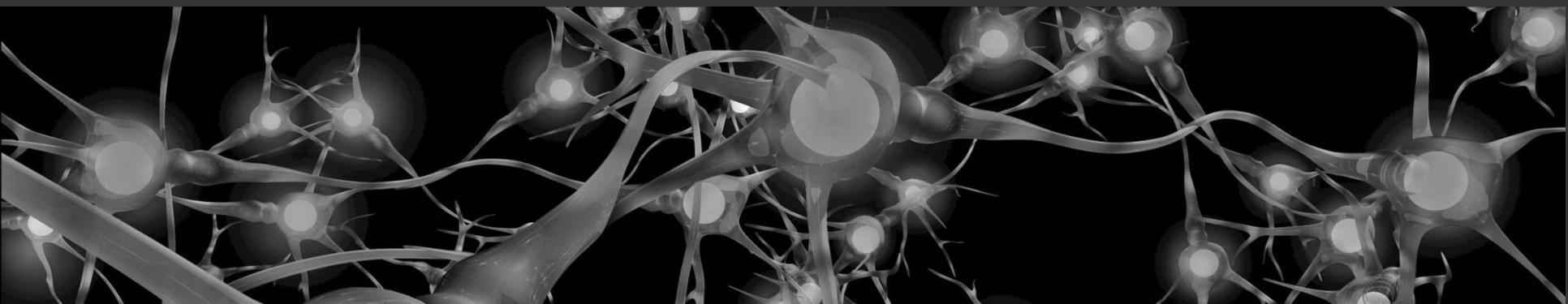
- Alzheimer's Disease
- Anxiety and Depression
- Autism
- Bipolar Disorder
- Cerebral Palsy
- Cerebral Cavernous Malformation (CCM)
- Epilepsy
- Fetal Alcohol Syndrome
- Schizophrenia
- Substance Abuse
- PTSD
- Multiple Sclerosis
- Parkinson's Disease
- Stroke
- Traumatic Brain Injury



***Brain and behavioral disorders strike New Mexicans of all ages and from every background.***

It would be difficult to find a New Mexican family that hasn't been touched by at least one of the numerous brain/behavioral disorders.

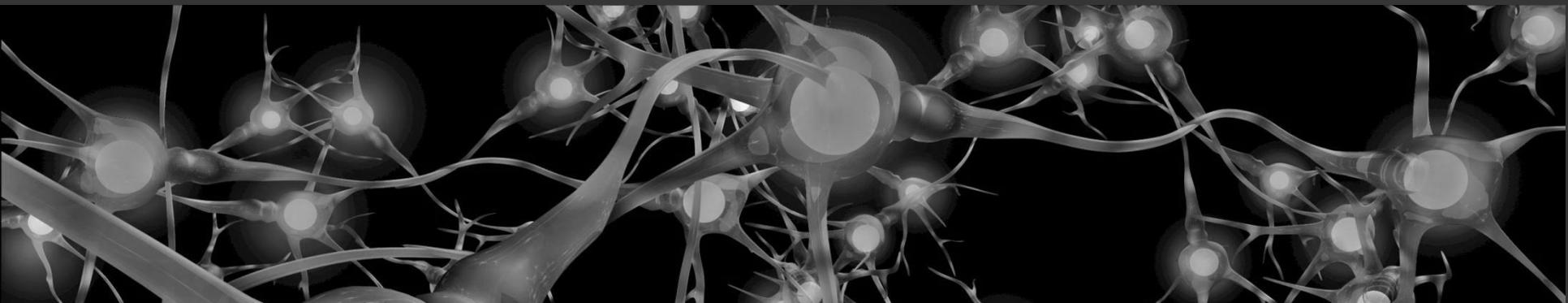
These disorders are devastating to families and are some of the most common and costly to society.



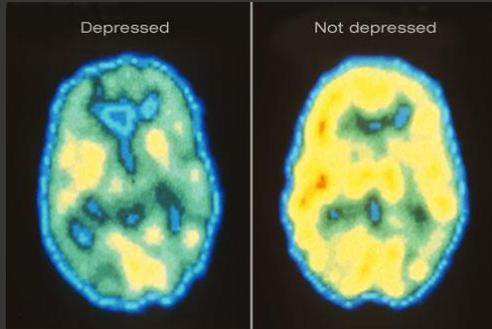
***Brain and behavioral disorders strike New Mexicans of all ages and from every background.***

Incidence is likely greatly underreported in many NM Communities.

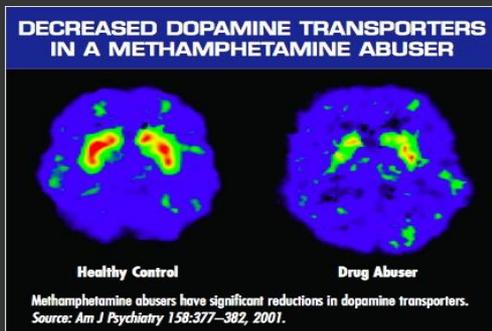
Access to specialist providers, education and research is very limited across our state.



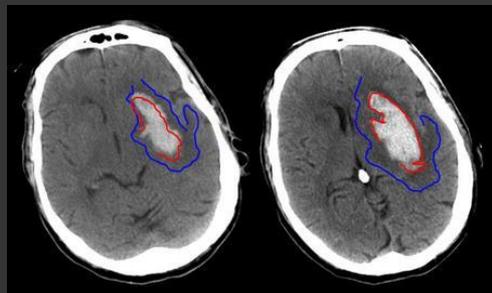
# Visible brain changes are seen across a range of neurologic and behavioral disorders



PET scans show decreased brain activity in those with depression



PET scans show decreased activity in those with substance use disorders



CT scans can show lesions in those with strokes

# Brain and behavioral disorders frequently co-occur

- Rates of psychosis in Traumatic Brain Injury are **10 x** the national average
- Rates of psychosis in epilepsy are **5 x** the national average
- Suicide rates in multiple sclerosis are **7.5 x** the national average
- Substance use disorders in multiple sclerosis are **2 x** the national average
- Depression rates in conditions such as epilepsy, stroke, Alzheimer's, Parkinson's Disease and Multiple Sclerosis range from **30-50%**

# BBHI Community Activities

**Conducted two major events: Neuroscience Day (250 attendees) and a Community Forum (101 attendees)**

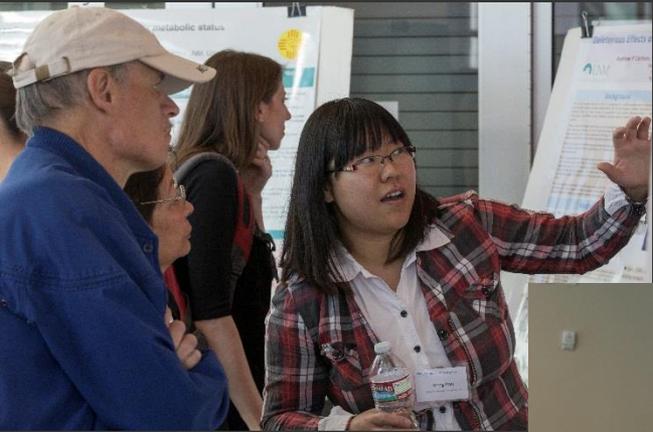
**Over 80 listening sessions and presentations across the state**

**Brought together a Coalition of 16 advocacy groups concerned about BBHI conditions**

**Connected with stakeholders across the entire state & region**

**Provided speakers, space and other involvement to a multitude of community events**

**In-person trips to 10 NM rural/frontier communities**



# BBHAC: Coalition of 16 advocacy groups/individuals

- **Albuquerque Stroke Club**
- **Alzheimer's Association**
- **Brain Injury Alliance**
- **Cerebral Cavernous Malformation**
- **Cerebral Palsy Parent Association of NM**
- **Epilepsy Support and Education Services**
- **Families ASAP**
- **Healing Addiction in Our Community**
- **National Alliance on Mental Illness (NAMI)– ABQ**
- **National Multiple Sclerosis Society - NM**
- **NM Autism Society**
- **NM Parkinson Disease Coalition**
- **Parents Reaching Out**
- **PSP/CBD Support Group**
- **Rio Grande Down Syndrome Network**

# Top Statewide Priorities Identified by the BBHAC

- **Access to Care:** specialists, mental health, stepdown/longterm care, hospital beds, etc.
- **Education:** for providers, patients, families; stigma reduction
- **Support:** for patient and families, respite, etc.
- **Basic needs:** transportation, housing, healthcare

→ And, a single source for referral and information

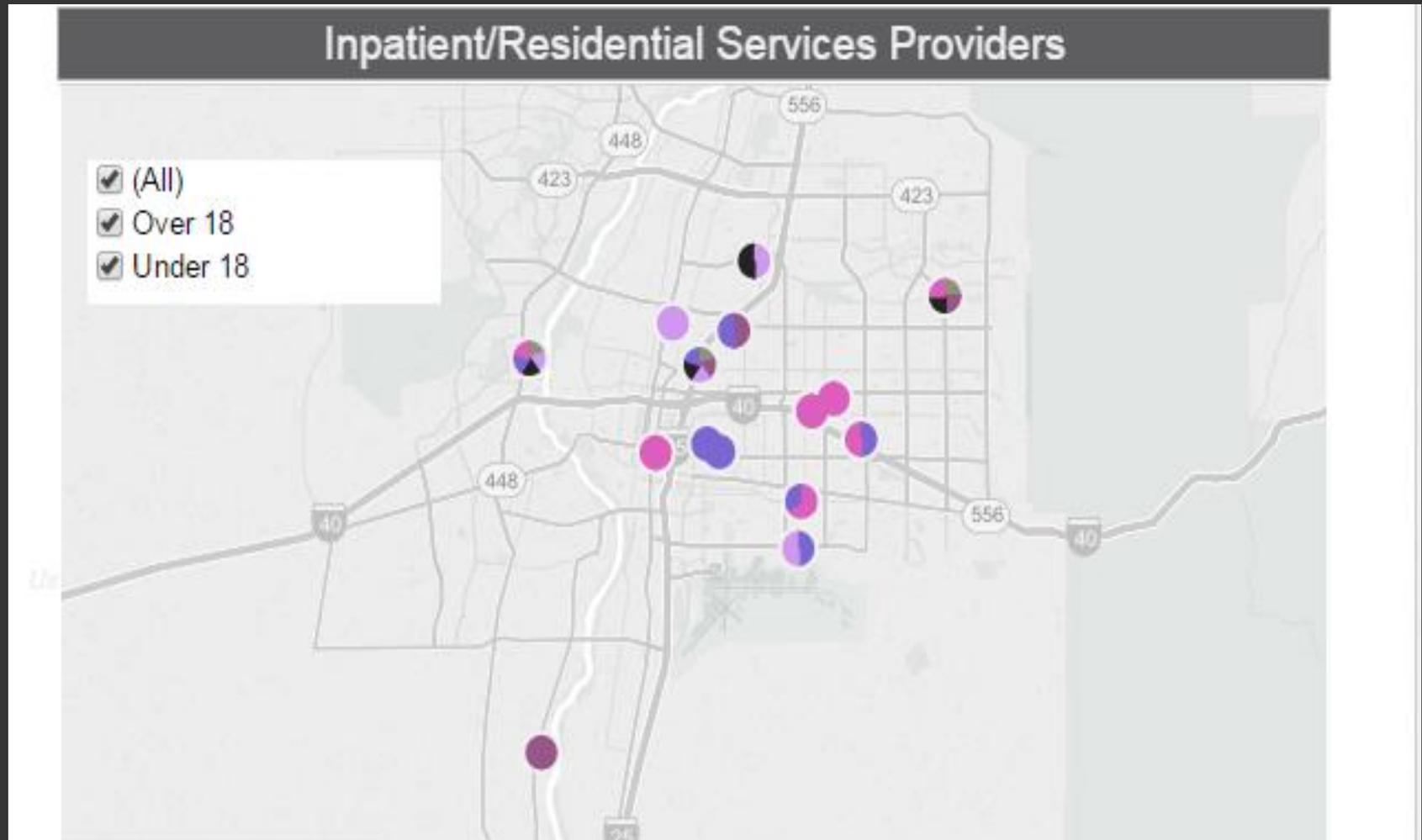
# A Brain and Behavioral Health Clearinghouse

- Statewide mapping of existing resources and contact information for health care agencies, education programs, support groups and social service agencies in the non-profit, profit, and faith based sectors
- Can build on our recent collaboration with City of Albuquerque and Bernalillo County to map local behavioral health resources
- Involves collaboration with all agencies and networks who co-ordinate and provide care for those with brain and behavioral health conditions
- The initial cost for the statewide resource mapping and translation would be approximately \$350,000

# Annual recurring maintenance for statewide clearinghouse

- Once clearinghouse is developed, ongoing staffing and communication is essential to update information, track changes and to add new resources
- Our experience in Bernalillo County and City of Albuquerque reinforces our awareness that resources change rapidly and are quickly out of date!
- Estimated maintenance costs are approximately \$150,000 a year

Online interactive tool allows individuals and families to search for available resources



# Associated warm line

- We regularly receive requests from community members for assistance in navigating the complex and fragmented services for those with brain and behavioral health conditions
- In cases of crisis, we refer to 911 or the NM Crisis and Access and line
- For non-emergency questions, we make efforts to direct individuals and families to local support groups and relevant agencies
- Estimated cost of providing this service in a systematic, meaningful and informed manner : \$175,000 recurring annually

# Next steps for BBHI

- Continue to build collaborations between clinicians, researchers, educators, and community members across disciplines and across a variety of conditions
- Continue to listen to priorities and concerns from partners across the state and continue support for BBHAC
- Facilitate and establish effective partnerships between the BBHI and communities throughout New Mexico.
- Developing Domenici Hall has a hub for BBHI, with establishment of new core facilities and consolidation of infrastructure
- Establish Center for Brain Recovery and Repair (2015) and develop additional major new, federally-funded interdisciplinary programs research that addresses brain and behavioral health in NM.