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# TBI As A Chronic Condition: Post-Traumatic Epilepsy

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# What We Know

## What is PTE?

- Recurrent seizure disorder after TBI
- PTE is unpredictable. It can take weeks or even years for PTE to develop following a TBI.

## Risk Factors for PTE

- Penetrating head injuries
- TBI severity and factors associated with severity
- Skull fracture
- Intracranial bleeding
- Age

# Complex Comorbidity in PTE

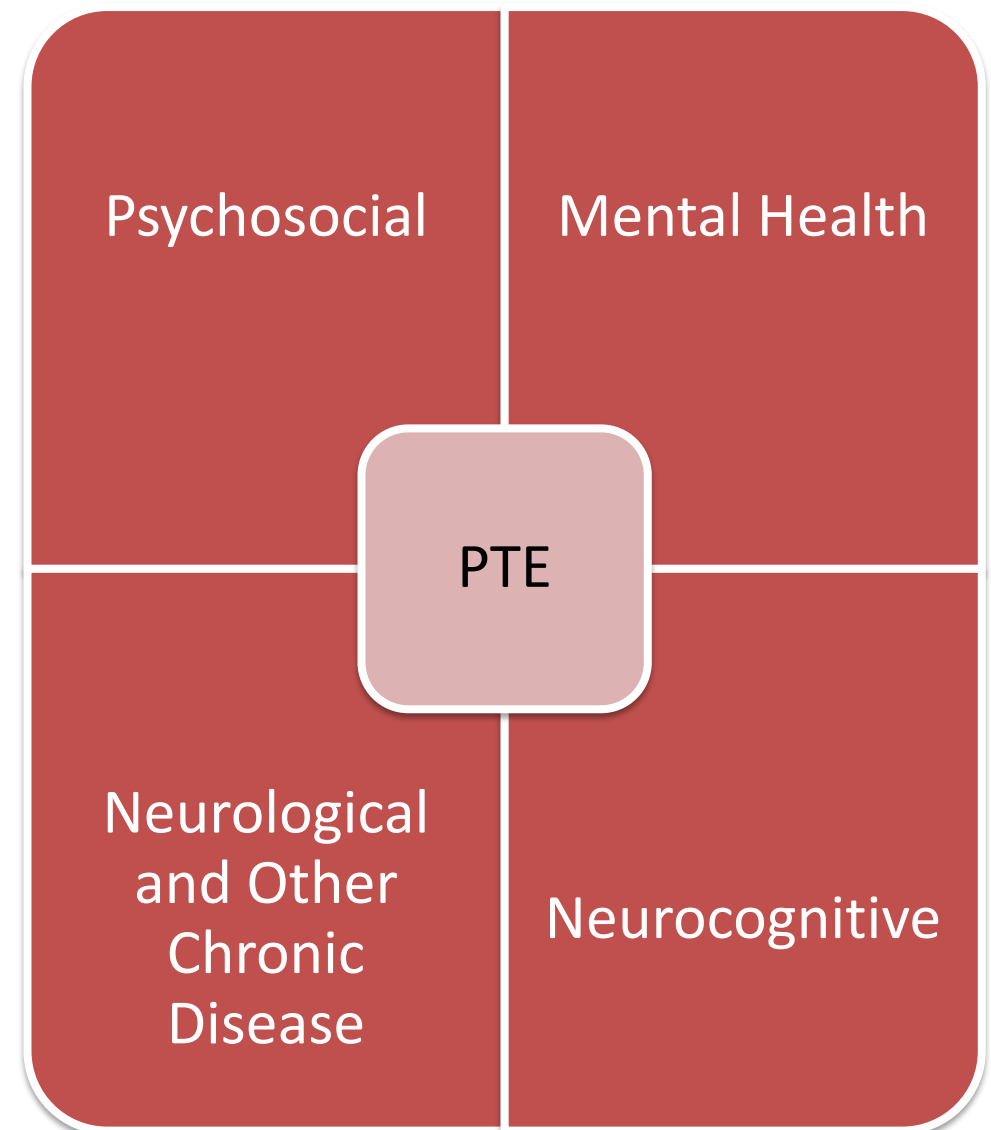
**-PTE:** Drug Resistance, Seizures, Drug Side-effects, Falls & Injuries...

**-Mental Health:** Depression, Anxiety, Bipolar Disorder, Schizophrenia, Sleep Disorders, Suicide Related Behavior...

**-Neurocognitive Conditions:** Memory Problems, Attention Problems, Mild Cognitive Impairment, Dementia...

**Neurological and Chronic Disease:** Stroke, Hypertension, Diabetes

**Psychosocial:** Quality of Life, Isolation, Stigma, Caregiver Burden, Caregiver Health and Wellbeing.



# What Next?

- Multidisciplinary care is needed to address the complex comorbidity of PTE
- Longitudinal studies of comorbidity after PTE accounting for pre-morbid health
- Examine variation in outcomes (epilepsy, mental health, chronic disease, psychosocial) for patients with PTE who receive different treatment approaches

# QUESTIONS?



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