

# Traumatic Brain Injury (TBI) in the Primary Care Setting

Laura Gano, MPH



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# Objectives

- Define TBI
- Understand public health efforts to reduce incidence
- Value primary care physician role in prevention



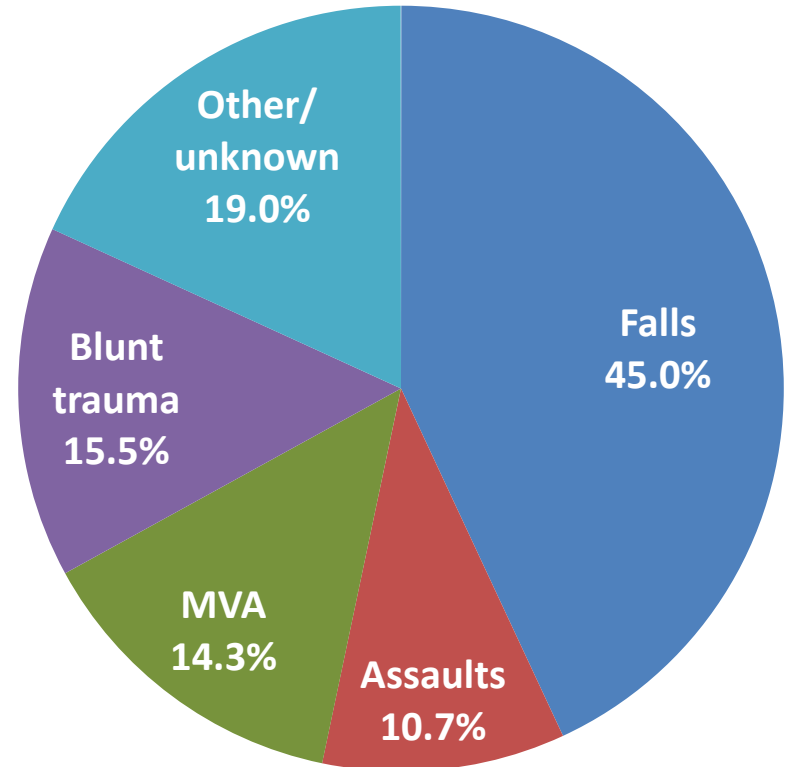
# TBI Clinical Case Definition (CDC)

- An occurrence of injury to the head that is documented in a medical record, with one or more of the following
  - observed or self-reported decreased level of consciousness
  - amnesia
  - skull fracture
  - objective neurological or neuropsychological abnormality
  - diagnosed intracranial lesion



# TBI 101

- Age
  - 0 – 4
  - 15 – 19
  - 65+
- Race
  - African American
- Sex
  - Male
- Mild or moderate/severe



# TBI Prevention: Public Health

- Surveillance
- Automobile safety
- Seatbelts, car seats
- Helmet use
- Violence prevention
- Environmental safety



# TBI Prevention: Physician Role

- Patient-specific communication
- Monitoring medications
- Secondary prevention



# Study: Family Medicine Physician Knowledge of/Experience with TBI

- Mixed methods study design
- Convenience sample
- Knowledge of TBI sequelae
- Clinical experience
- Prevention efforts



# Study Findings

- Less confidence in treating patients for non-neurological sequelae
- 98% treated concussion within past year
- Prevention efforts aimed at pediatric population





# Putting It All Together

- Incorporate prevention strategies in clinical practice
- Effective prevention strategies informed by public health data and practices



# Questions?



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