Supplemental Material

Methods Supplement. Data Dictionary

Head Trauma Chief Complaints

- Head injury
- Laceration of head
- Mechanism
- Accident
- Assault and batter
- Motor vehicle accident
- Fall
- Symptom
- Laceration
- Headache
- Nose injury
- Facial injury
- Eye injury
- Bump
- Eyebrow laceration

Head Trauma Diagnoses: International Classification of Disease (ICD)

- ICD-10 codes: S06.2X0A-S06.2X9A, S06.300A-S06.309A, S06.310A-S06.319A, S06.320A-S06.329A, S06.340A-S06.345A, S06.346A, S06.347A, S06.348A, S06.349A, S06.350A-S06.359A, S06.360A-S06.369A

Head Trauma Exclusions: International Classification of Disease (ICD)

- ICD-10 codes: C71.0-C71.9, D49.6, Q03.0, Q03.1, Q03.8, G91.1, G91.2, T85.09XA, T85.190A, T85.192A, T85.193, T85.199A, T85.398A, T85.590A, T85.692A, T85.698A, T85.730A- T85.735A, T85.738A, T85.810A, T85.820A, T85.830A, T85.840A, T85.850A, T85.860A, T85.890A, 0DJ00Z, 0DJ60Z, 0DJD0Z, 0DJU0Z, 0DJW0Z, 0WJG0Z, 0WJ00Z, 0WP00Z, 0WJR0Z, 0UD00Z, 0UDU0Z, 0UDW0Z, 0W9G00Z, 0W9G0Z, 0W9G0Z, 0WCJ0Z, 0WCP0Z, 0WCR0Z, D67, D68.0, D68.1, D68.2, D65, D68.32, D68.4, D68.8, D68.9, D69.0, D69.3, D69.9, C71.0, C71.1, C71.2-C71.9, D32.0, D32.9, D33.2, D33.3, D33.4, D32.1, D33.7, D33.9, G80.0, G80.1, G80.2, G80.8, G80.9, F84.0, F84.3, F84.5, F84.8, F84.9, D68.311, D68.312, D68.318, D69.3, D69.41, D69.42, D69.49, D69.51, D69.59, C91.00, C91.01, C91.02, C91.10, C91.11, C91.12, C91.Z0, C91.Z1, C91.Z2, C91.90-C91.92, C92.00-C92.02, C92.40-C92.42, C92.50-C92.52, C92.10-C92.12, C92.20-C92.22, C92.30-C92.32, C92.Z0-C92.Z2, C92.90-C92.92, C93.00-C93.02, C93.10-C93.12, C93.90-C93.92, C93.Z0-C93.Z2, C93.90-C93.92, C95.90-C95.92, D69.1, D69.2, D69.6, D69.8, C95.00-C95.02, C95.10-C95.12


- Cranial Computed Tomography: 70450, 70460, 70470, 70480, 70481, 70482
Supplemental Material

**Figure S1.** Cohort Derivation: Chief Complaint Grouping

Abbreviations: CC=chief complaint; dx=diagnosis

*Chief Complaint Groupers*

**Mechanism Grouper:** any chief complaint of accident, assault and battery, fall, or motor vehicle accident

**Symptom Grouper:** any chief complaint of laceration, nose injury, facial injury, eye injury, bump, or eyebrow laceration