|  |
| --- |
| **Observation Points Needed (must select one)** |
| [ ]  | **Baseline** (only data collected at the initial baseline visit) |
| [ ]  | **Cumulative** (longitudinal data collected at baseline visit and any follow-up visit(s) completed) |

|  |
| --- |
| **1. Lifetime Clinical TBI events for each subject** (note: this section is ideal for and suffices for almost all analyses) |
|  | **Variable** | **Description** |
|  [ ]  | NumOfPOSITIVETBIs | # lifetime TBIs aggregated from all of subject’s CDIs and OSU TBI-ID screens lacking CDINote: If #TBI = 0, then subject is TBI negative (non-TBI ‘control’); If #TBI > 0, then subject is TBI positive |
|  [ ]  | NumOfMildTBIs | # Mild TBIs (same as # lifetime TBIs if none are moderate-severe type; all of below mTBI type variables apply) |
|  [ ]  | NumOfModOrSevereTBIs | # Moderate-Severe TBIs (below Aggregate Type of mTBI variables do not apply; instead use Event level data if subject had a moderate or severe TBI for further characterization relevant to your analysis) |
| **mTBI Subtypes** (note: major subtypes with light blue shading are NOT mutually exclusive, but all variables underneath each header are mutually exclusive; light grey shading are minor subtypes that stem off a major subtype) |
| COMBAT Deployment status  |
|  [ ]  | NumOfCombatTBIs | # mTBIs during a combat deployment |
|  [ ]  | NumOfNonCombatTBIs | # mTBIs outside of combat deployment (Non combat) |
| Timing of Non-Combat-Deployed TBIs relative to first combat deployment (note: these are subcategories of NonCombatTBI) |
|  [ ]  | NumOfNCTBIsAftr1stComDeploy | # Non combat mTBIs after 1st combat deployment  |
|  [ ]  | NumOfNCTBIsBfr1stComDeploy | # Non combat mTBIs before 1st combat deployment  |
|  [ ]  | NumOfNCTBIsEvntDtNtAvail | # Non Combat mTBIs Missing event date |
|  [ ]  | NumOfNCTBIs1stDplyDtNtAvail | # Non Combat mTBIs Missing 1ST Deploy date |
| BLAST-related status (note: does not include subjects’ estimate of # controlled blast exposure) |
|  [ ]  | NumOfNonBlastOrBluntTBIs | # Blunt mTBIs (Not Blast-related) |
|  [ ]  | NumOfBlastTBIs | # Blast-related mTBIs |
| BLAST mechanism (note: these are subcategories of BlastTBI) |
|  [ ]  | NumOfMixedBluntBlastTBIs | # Mixed Blast-Blunt TBIs (i.e., “Yes” to Q12, 13, or 14 in RCDI Blast or dependent on event description) |
|  [ ]  | NumOfPureBlastTBIs | # Pure-Blast TBIs (i.e., “No” to Q12-14 in RCDI Blast or dependent on event description)  |
|  [ ]  | NumOfIndeterminantBlastTBIs | # Unknown because No CDI or ; see free text from OSU TBI-ID screener or No response to Q12, 13, or 14 in RCDI Blast or Unable to determine from blast description |
| PTA type  |
|  [ ]  | NumOfTBIwithoutPTA | # mTBIs without PTA (i.e., altered consciousness symptoms only (felt dazed, confused, and/or stars)) |
|  [ ]  | NumOfTBIwithPTA | # mTBIs with PTA |
| LOC Endorsement if TBI with PTA (these are subcategories of TBIwithPTA) |
|  [ ]  | NumOfTBIwithPTANoAnswerLOC | # mTBIs with PTA with no answer to loss of consciousness |
|  [ ]  | NumOfTBIwithPTANoLOC | # mTBIs with PTA not endorsing LOC (No loss of consciousness) |
|  [ ]  | NumOfTBIwithPTAYesLOC | # mTBIs with PTA with endorsed LOC (Yes) |
| Claiming of Witness for LOC (these are subcategories of TBIwithPTAYesLOC)  |
|  [ ]  | NumOfTBI\_PTAYesLOCWitness | # mTBIs with Witness-informed LOC claimed |
|  [ ]  | NumOfTBI\_PTAYesLOCOwnexperience | # mTBIs with LOC by Guess only (denied being told of LOC by a witness) •Guess only (denied being told of LOC by a witness) (Own Experience) |
|  [ ]  | NumOfTBI\_PTAYesLOCNoClaimWitness | # mTBIs with unknown LOC subtype of witness claimed (OSU TBI screener only)•Unknown claim of witnessed LOC; OSU screener only (Unknown) |
|  [ ]  | NumOfTBI\_PTAYesLOCNoAnswerWitnes | # mTBIs with PTA with LOC but no answer to witness |
| **Time Since Key Event** (note: Always include TimeSinceIndex if using TBI negative controls for descriptive comparison) |
|  [ ]  | TimeSinceIndexDays | Time since index date in days (same as worst deployment mTBI if any during deployment; if non-combat mTBIs only then time since worst TBI after 1st combat deployment; if all mTBIs predate first combat deployment [or if no lifetime TBI] then time since worst Combat PCE or time since mid-point of deployments if no combat PCE) |
|  [ ]  | TimeSinceIndexYears | Time since index date in years (same as worst deployment mTBI if any during deployment; if non-combat mTBIs only then time since worst TBI after 1st combat deployment; if all mTBIs predate first combat deployment [or if no lifetime TBI] then time since worst Combat PCE or time since mid-point of deployments if no combat PCE) |
|  [ ]  | TimeSinceFirstTBIDays | Time since first TBI in days |
|  [ ]  | TimeSinceFirstTBIYears | Time since first TBI in years |
|  [ ]  | TimeSinceSecondTBIDays | Time since second mTBI (if applicable) in days |
|  [ ]  | TimeSinceSecondTBIYears | Time since second mTBI (if applicable) in years |
|  [ ]  | TimeSinceThirdTBIDays | Time since third mTBI (if applicable) in days |
|  [ ]  | TimeSinceThirdTBIYears | Time since third mTBI (if applicable) in years |
|  [ ]  | TimeSinceLastTBIDays | Time since last (most recent) mTBI in days |
|  [ ]  | TimeSinceLastTBIYears | Time since last (most recent) mTBI in years |

|  |
| --- |
| **Supplement A. TBI Event Level Variables (i.e., multiple rows of data per participant)** |
|  | **Variable name** | **Description** |
|  [ ]  | TBI\_YN | Based on final TBI determination•Not TBI; subsequent TBI variables DO NOT apply (use PCE level variables if need to analyze non TBI events)•Yes TBI; all subsequent TBI event level characterizations variables apply (shaded variables are same as PCE event level) |
|  [ ]  | TBI\_EventDate | Date of TBI event (Month, Year) |
|  [ ]  | TBI\_EventDate\_char | Date of TBI event•Includes “Event date not available” |
|  [ ]  | ApproxAgeAtTBI\_Event | Age incurred (approximated based on age at baseline and month and year of event) |
|  [ ]  | ApproxAgeAtTBI\_Event\_char | Age incurred (approximated based on age at baseline and month and year of event)•Includes “Event date not available” |
|  [ ]  | Tbi\_Event\_interval\_timeMonths | •Not applicable (First TBI)•Time between TBIs in months (i.e., mTBI #1 to mTBI #2; mTBI #2 to mTBI #3) |
|  [ ]  | Tbi\_Event\_interval\_timeYrs | •Not applicable (First TBI)•Time between TBIs in years (i.e., mTBI #1 to mTBI #2; mTBI #2 to mTBI #3) |
|  [ ]  | TBI\_EventInterviewMethod | Interview method•VCU rCDI-Blast (Blast)•VCU rCDI-General (General)•OSU TBI-ID screener only (PCE) |
|  [ ]  | TBI\_EventDescription | Description of event  |
|  [ ]  | TBI\_Severity\_Status | Greater than Mild TBI Status [So far, every TBI in database is mild, but it is possible that an enrolled subject will sustain a moderate or severe TBI during longitudinal follow-up.]•Mild TBI•Moderate/Severe TBI |
|  [ ]  | TBI\_EventDeploymentStatus | Whether TBI was sustained during combat deployment (based on whether it was completed in Part 1 (combat) or Part 2 (non deployment) of PCE mapping•During a Combat Deployment (Combat)•Outside of Combat Deployment (Non-Combat) |
|  [ ]  | NonCombatTBI\_EventDeployStatus | Outside of Combat Deployment with subcategories•Before 1st deployment •After 1st deployment |
|  [ ]  | TBI\_EventBlastStatus | Blast-relation status•Not Blast-related (rCDI-General; non-blast table events) (Non-Blast)•Yes Blast-related (rCDI-Blast; blast table events) (Blast) |
|  [ ]  | TBI\_EventTypeOfBlast | Type of Blast mechanism•Mixed Blunt-Blast (i.e., “Yes” to Q12, 13, or 14 in RCDI Blast or dependent on event description) •Pure Blast (i.e., “No” to Q12-14 in RCDI Blast or dependent on event description) •Indeterminant (Unknown because No CDI or ; see free text from OSU TBI-ID screener or No response to Q12, 13, or 14 in RCDI Blast or Unable to determine from blast description) |
|  [ ]  | TBI\_Type | PTA status•Without PTA•With PTA |
|  [ ]  | PTA\_Duration | Duration of PTA •Minutes of PTA from CDI |
|  [ ]  | PTA\_Duration\_char | Duration of PTA •Minutes of PTA from CDI•Unknown; OSU screener only |
|  [ ]  | PTA\_LOC\_Status | LOC Status (must be mTBI with PTA event to get categorized by LOC)•LOC denied (No)•LOC endorsed (Yes) |
|  [ ]  | PTA\_LOC\_endorsed | LOC Endorsement Type (subcategories of LOC Endorsed Yes)•Witness informed LOC claimed (Witness) •Includes “Event date not available”•Guess only (denied being told of LOC by a witness) (Own Experience)•Unknown claim of witnessed LOC; OSU screener only (Unknown) |
|  [ ]  | PTA\_LOC\_Duration | Duration of LOC•Minutes of LOC from CDI or OSU screener |
|  [ ]  | PTA\_LOC\_Duration\_char | Duration of LOC•N/A; LOC denied•Minutes of LOC from CDI or OSU screener |

|  |
| --- |
| **Supplement B. Subject Level Aggregate PCE Variables (i.e., one row of data per participant)** |
|  | **Variable name** | **Description** |
|  [ ]  | NumOfTotalPCEs | Total # of all PCEs identified throughout PCE mapping |
| **PCE Subtypes**(note: major subtypes with light blue shading are NOT mutually exclusive, but all variables underneath each header are mutually exclusive; light grey shading are minor subtypes that stem off a major subtype) |
| COMBAT Deployment status  |
|  [ ]  | NumOfCombatPCEs | # PCEs during a combat deployment (Part 1 of PCE mapping) |
|  [ ]  | NumOfNonCombatPCEs | # PCEs outside of combat deployment (Non Combat PCEs; Part 2 of PCE mapping) |
| Timing of Non-Combat-Deployed PCEs relative to first combat deployment (note: these are subcategories of NonCombatPCE) |
|  [ ]  | NumOfNCPCEsAftr1stComDeploy | # Non Combat PCEs after 1st Combat deployment  |
|  [ ]  | NumOfNCPCEsBfr1stComDeploy | # Non Combat PCEs before 1st Combat deployment  |
|  [ ]  | NumOfNCPCEsEvntDtNtAvail | # Non Combat PCEs missing event date |
|  [ ]  | NumOfNCPCEs1stDplyDtNtAvail | # Non Combat PCEs missing first deploy date |
| BLAST-related status (note: does not include subjects’ estimate of # controlled blast exposure) |
|  [ ]  | NumOfBlastPCEs | # Blast PCEs |
|  [ ]  | NumOfNonBlastOrBluntPCEs | # Blunt PCEs (Non - blast) |
| BLAST mechanism (note: these are subcategories of BlastPCE) |
|  [ ]  | NumOfMixedBluntBlastPCEs | # Mixed Blast-Blunt TBIs (i.e., “Yes” to Q12, 13, or 14 in RCDI Blast or dependent on event description) |
|  [ ]  | NumOfPureBlastPCEs | # Pure-Blast TBIs (i.e., “No” to Q12-14 in RCDI Blast or dependent on event description)  |
|  [ ]  | NumOfIndeterminantBlastPCEs | # Unknown because No CDI or ; see free text from OSU TBI-ID screener or No response to Q12, 13, or 14 in RCDI Blast or Unable to determine from blast description |
| **Time Since Key Event**  |
|  [ ]  | TimeSinceIndexDays | •Time since index date in days (same as worst deployment mTBI if any during deployment; if non-combat mTBIs only then time since worst TBI after 1st combat deployment; if all mTBIs predate first combat deployment then time since worst Combat PCE or time since mid-point of deployments if no combat PCE) |
|  [ ]  | TimeSinceIndexYrs | •Time since index date in years (same as worst deployment mTBI if any during deployment; if non-combat mTBIs only then time since worst TBI after 1st combat deployment; if all mTBIs predate first combat deployment then time since worst Combat PCE or time since mid-point of deployments if no combat PCE) |
|  [ ]  | TimeSinceFirstPCEDays | Time since first PCE in days |
|  [ ]  | TimeSinceFirstPCEYrs | Time since first PCE in years |
|  [ ]  | TimeSinceLastPCEDays | Time since last (most recent) PCE in days |
|  [ ]  | TimeSinceLastPCEYrs | Time since last (most recent) PCE in years |

|  |
| --- |
| **Supplement C. PCE Event Level Variables (i.e., multiple rows of data per participant)** |
|  | **Variable name** | **Description** |
| [ ]  | PCE\_EventDate | Date of PCE event (Month, Year) |
| [ ]  | PCE\_EventDate\_char | Date of PCE event•Includes “Event date not available” |
| [ ]  | ApproxAgeAtPCE\_Event | Age incurred (approximated based on age at baseline and month and year of event) |
| [ ]  | ApproxAgeAtPCE\_Event\_char | Age incurred (approximated based on age at baseline and month and year of event)•Includes “Event date not available” |
| [ ]  | InterviewMethod | Interview method•VCU rCDI-Blast (Blast)•VCU rCDI-General (General)•OSU TBI-ID screener only (PCE) |
| [ ]  | PCE\_EventDescription | Description of event  |
| [ ]  | PCE\_EventDeploymentStatus | Whether PCE was sustained during combat deployment (based on whether it was completed in Part 1 (combat) or Part 2 (non deployment) of PCE mapping)•During a Combat Deployment (Combat)•Outside of Combat Deployment (Non-Combat) |
| [ ]  | NonCombatPCE\_EventDeployStatus | Outside of Combat Deployment with subcategories•Before 1st deployment •After 1st deployment |
| [ ]  | PCE\_EventBlastStatus | Blast-relation status•Not Blast-related (rCDI-General; non-blast table events) (Non-Blast)•Yes Blast-related (rCDI-Blast; blast table events) (Blast) |
| [ ]  | PCE\_EventTypeOfBlast | Type of Blast mechanism•Mixed Blunt-Blast (i.e., “Yes” to Q12, 13, or 14 in RCDI Blast or dependent on event description) •Pure Blast (i.e., “No” to Q12-14 in RCDI Blast or dependent on event description) •Indeterminant (Unknown because No CDI or ; see free text from OSU TBI-ID screener or No response to Q12, 13, or 14 in RCDI Blast or Unable to determine from blast description) |