| **Var #** | **Variable Name** | **Label** | **Type** | **Format** | **Format Values** | **Descriptive from Entire Baseline Sample** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | subject\_id | Subject ID | Char | $5. |  | N: 240 (100%) Levels: 240 |
| 2 | visit |  | Num | FMT0307F. | 1=Baseline 2=Remote Follow-up 1.5=In Person Follow-up | Baseline: 240 (100%) |
| 3 | checkin\_bin | Football exposure group | Num | FMT0149F. | 1=High Exposure (HE): Former NFL 2=Medium Exposure (ME): Former College 3=Control (CTL) | High Exposure (HE): Former NFL: 120 (50%) Medium Exposure (ME): Former College: 60 (25%) Control (CTL): 60 (25%) |
| 4 | exposurebin | Exposure Bin | Num | FMT0264F. | 0=Unexposed 1=Exposed | Unexposed: 60 (25%) Exposed: 180 (75%) |
| 5 | age\_decade | Age group | Num | FMT0123F. | 1=45-54 2=55-64 3=65-74 | 45-54: 109 (45.4%) 55-64: 70 (29.2%) 65-74: 61 (25.4%) |
| 6 | racecat\_combined | Race Categories Combined | Num | FMT0101F. | 0=Not Reported 1=American Indian or Alaska Native 2=Asian 3=Black or African-American 4=Native Hawaiian or other Pacific Islander 5=White 6=Multiple races selected 777=Refused 999=Unknown | Black or African-American: 87 (36.3%) Native Hawaiian or other Pacific Islander: 1 (0.4%) White: 149 (62.1%) Multiple races selected: 3 (1.3%) |
| 7 | eduyears | How many years of school did you attend as a full-time student? Use the guidelines below to determine actual number to enter | Num | BEST12. |  | N: 240 NMiss: 0 Mean(SD): 16.9 (2.1) Median(IQR): 16.0 (16.0 - 18.0) Min - Max: 13.0 - 30.0 |
| 8 | totyr\_foot | Total years of football play | Num |  |  | N: 180 NMiss: 60 Mean(SD): 15.9 (4.4) Median(IQR): 16.0 (13.0 - 19.0) Min - Max: 6.0 - 25.0 |
| 9 | chiiseas\_pf | Lifetime Load (seasons)-Football Hits based on PEM frequency | Num |  |  | N: 180 NMiss: 60 Mean(SD): 10915 (4627.2) Median(IQR): 9832.3 (7679.6 - 13319) Min - Max: 3560.3 - 28020 |
| 10 | chiiyrs\_pf | Lifetime Load (years)-Football Hits based on PEM frequency | Num |  |  | N: 180 NMiss: 60 Mean(SD): 8229.1 (3741.4) Median(IQR): 7071.4 (5466.5 - 10090) Min - Max: 2167.7 - 20394 |
| 11 | chiiseas\_pl | Lifetime Load (seasons)-Football Hits based on PEM linear acceleration (g-force) | Num |  |  | N: 180 NMiss: 60 Mean(SD): 229271 (72383) Median(IQR): 220509 (176321 - 270987) Min - Max: 79213 - 446257 |
| 12 | chiiyrs\_pl | Lifetime Load (years)-Football Hits based on PEM linear acceleration (g-force) | Num |  |  | N: 180 NMiss: 60 Mean(SD): 171700 (52798) Median(IQR): 173952 (131075 - 204793) Min - Max: 47298 - 337689 |
| 13 | chiiseas\_pg | Lifetime Load (seasons)-Football Hits based on PEM rotational impacts (rad/sec2) | Num |  |  | N: 180 NMiss: 60 Mean(SD): 1.84E7 (6.42E6) Median(IQR): 1.78E7 (1.37E7 - 2.23E7) Min - Max: 6.05E6 - 4.41E7 |
| 14 | chiiyrs\_pg | Lifetime Load (years)-Football Hits based on PEM rotational impacts (rad/sec2) | Num |  |  | N: 180 NMiss: 60 Mean(SD): 1.37E7 (4.85E6) Median(IQR): 1.32E7 (1.01E7 - 1.72E7) Min - Max: 3.43E6 - 3.15E7 |
| 15 | c\_strem2\_FLAG\_insufficient |  | Num | FMT0077F. | 0=No 1=Yes | No: 184 (76.7%) Yes: 2 (0.8%) Missing: 54 (22.5%) |
| 16 | c\_PDGFRbeta\_FLAG\_insufficient |  | Num | FMT0077F. | 0=No 1=Yes | No: 183 (76.3%) Yes: 3 (1.3%) Missing: 54 (22.5%) |
| 17 | c\_strem2 | CSF Strem2 Concentration (pg/mL) | Num |  |  | N: 184 NMiss: 56 Mean(SD): 2544.5 (1179.0) Median(IQR): 2319.0 (1694.0 - 3236.0) Min - Max: 525.0 - 7996.0 |
| 18 | c\_PDGFRbeta | CSF PDGFRbeta Concentration (pg/mL) | Num |  |  | N: 183 NMiss: 57 Mean(SD): 367.5 (141.5) Median(IQR): 353.0 (279.0 - 428.0) Min - Max: 147.0 - 1364.0 |
| 19 | c\_Ab40 | CSF Abeta40 Concentration (pg/mL) | Num |  |  | N: 186 NMiss: 54 Mean(SD): 10161 (3585.1) Median(IQR): 9416.0 (7762.0 - 11893) Min - Max: 2364.0 - 21459 |
| 20 | c\_Ab42 | CSF Abeta42 Concentration (pg/mL) | Num |  |  | N: 186 NMiss: 54 Mean(SD): 843.5 (334.4) Median(IQR): 790.0 (605.0 - 1022.0) Min - Max: 188.0 - 2145.0 |
| 21 | c\_pT181 | CSF pT181 Concentration (pg/mL) | Num |  |  | N: 186 NMiss: 54 Mean(SD): 37.2 (17.2) Median(IQR): 33.7 (25.3 - 43.7) Min - Max: 12.9 - 126.2 |
| 22 | c\_tTau\_FLAG\_below\_ref\_range |  | Num | FMT0077F. | 0=No 1=Yes | No: 172 (71.7%) Yes: 14 (5.8%) Missing: 54 (22.5%) |
| 23 | c\_FLAG\_hemolysis |  | Num | FMT0077F. | 0=No 1=Yes | No: 183 (76.3%) Yes: 3 (1.3%) Missing: 54 (22.5%) |
| 24 | c\_tTau\_FLAG\_insufficient |  | Num | FMT0077F. | 0=No 1=Yes | No: 185 (77.1%) Yes: 1 (0.4%) Missing: 54 (22.5%) |
| 25 | c\_ttau | CSF Total Tau Concentration (pg/mL) | Num |  |  | N: 171 NMiss: 69 Mean(SD): 407.0 (214.9) Median(IQR): 364.0 (270.0 - 482.0) Min - Max: 154.0 - 1990.0 |
| 26 | c\_NfL | CSF NfL Concentration (pg/mL) | Num |  |  | N: 186 NMiss: 54 Mean(SD): 760.2 (541.8) Median(IQR): 604.8 (441.2 - 903.5) Min - Max: 184.1 - 4034.2 |
| 27 | c\_GFAP | CSF GFAP Concentration (pg/mL) | Num | 8.2 |  | N: 169 NMiss: 71 Mean(SD): 8556.6 (6441.6) Median(IQR): 7168.2 (4374.5 - 11174) Min - Max: 52.8 - 37558 |
| 28 | c\_pT213 | CSF pT231 Concentration (pg/mL) | Num | 8.2 |  | N: 169 NMiss: 71 Mean(SD): 563.0 (227.6) Median(IQR): 528.7 (389.8 - 713.4) Min - Max: 156.0 - 1542.4 |
| 29 | c\_pT217 | CSF pT217 Concentration (pg/mL) | Num | 8.3 |  | N: 177 NMiss: 63 Mean(SD): 1.7 (1.6) Median(IQR): 1.2 (0.7 - 2.3) Min - Max: 0.1 - 12.5 |
| 30 | dxcte\_ptau217\_csf\_flag\_dv | Quality Flag for CSF pTau 217 | Num | FMT0340F. | 1=Greater than or equal to LLOQ 2=Less than LLOQ 3=Not Detectable | Greater than or equal to LLOQ: 164 (68.3%) Less than LLOQ: 13 (5.4%) Not Detectable: 6 (2.5%) Missing: 57 (23.8%) |