| **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\_dhpg | CSF 3,4-dihydroxyphenylglycol (pg/mL) | Num | 8.2 |  | N: 161 NMiss: 79 Mean(SD): 2121.1 (815.8) Median(IQR): 1914.8 (1534.2 - 2520.0) Min - Max: 766.9 - 5255.1 |
| 16 | c\_ne | CSF Norepinephrine (pg/mL) | Num | 8.2 |  | N: 160 NMiss: 80 Mean(SD): 174.1 (95.4) Median(IQR): 159.9 (112.3 - 207.0) Min - Max: 58.3 - 572.2 |
| 17 | c\_dopa | CSF 3,4-dihydroxyphenylalanine (pg/mL) | Num | 8.2 |  | N: 161 NMiss: 79 Mean(SD): 3119.5 (28829) Median(IQR): 775.3 (667.8 - 984.2) Min - Max: 413.0 - 366628 |
| 18 | c\_da | CSF Dopamine (pg/mL) | Num | 8.2 |  | N: 161 NMiss: 79 Mean(SD): 43.8 (278.8) Median(IQR): 9.1 (5.4 - 16.4) Min - Max: 0.1 - 3150.6 |
| 19 | c\_dopac | CSF 3,4-dihydroxyphenylacetic acid (pg/mL) | Num | 8.2 |  | N: 160 NMiss: 80 Mean(SD): 352.6 (151.6) Median(IQR): 343.4 (241.6 - 440.3) Min - Max: 103.4 - 979.4 |
| 20 | c\_catecholamine\_flag\_blood\_dv | Quality Flag - Sample had visible blood contamination | Num |  |  | N: 161 NMiss: 79 Mean(SD): 0.0 (0.2) Median(IQR): 0.0 (0.0 - 0.0) Min - Max: 0.0 - 1.0 |
| 21 | c\_catecholamine\_flag\_diluted\_dv | Quality Flag - Sample had to be diluted | Num |  |  | N: 161 NMiss: 79 Mean(SD): 0.0 (0.1) Median(IQR): 0.0 (0.0 - 0.0) Min - Max: 0.0 - 1.0 |