| **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 | Qalb | Qalb (mg/g) - (CSF conc/serum conc) | Char |  |  | N: 179 (74.6%) NMiss: 61 (25.4%) Levels: 159 |
| 16 | dxcte\_albumin\_csf\_flag\_dv | Quality Flag - Sample had pink CSF | Num | FMT0077F. | 0=No 1=Yes | No: 176 (73.3%) Yes: 3 (1.3%) Missing: 61 (25.4%) |
| 17 | c\_alb | CSF Albumin Concentration (mg/dL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 25.8 (10.8) Median(IQR): 23.4 (19.3 - 30.5) Min - Max: 8.1 - 64.8 |
| 18 | c\_IL\_17A\_F\_cv | CSF interleukin-17A/F CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 6.6 (5.0) Median(IQR): 5.3 (2.6 - 8.7) Min - Max: 0.0 - 24.2 |
| 19 | c\_IL\_17A\_F | CSF interleukin-17A/F Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.2 (0.2) Median(IQR): 0.1 (0.1 - 0.2) Min - Max: 0.0 - 0.7 |
| 20 | c\_IL\_17B\_cv | CSF interleukin-17B CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 3.5 (8.8) Median(IQR): 2.3 (1.1 - 4.0) Min - Max: 0.0 - 115.0 |
| 21 | c\_IL\_17B | CSF interleukin-17B Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 13.9 (20.0) Median(IQR): 11.4 (8.6 - 15.2) Min - Max: 3.2 - 268.0 |
| 22 | c\_IL\_17C\_cv | CSF interleukin-17C CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 7.5 (5.3) Median(IQR): 6.3 (3.5 - 10.7) Min - Max: 0.0 - 33.0 |
| 23 | c\_IL\_17C | CSF interleukin-17C Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.0 (0.0) Median(IQR): 0.0 (0.0 - 0.1) Min - Max: 0.0 - 0.1 |
| 24 | c\_IL\_17D\_cv | CSF interleukin-17D CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 3.9 (10.4) Median(IQR): 2.2 (1.0 - 4.1) Min - Max: 0.0 - 136.0 |
| 25 | c\_IL\_17D | CSF interleukin-17D Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 396.1 (94.5) Median(IQR): 388.0 (330.0 - 456.0) Min - Max: 159.0 - 864.0 |
| 26 | c\_IL\_1RA\_cv | CSF interleukin-1RA CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 10.5 (19.6) Median(IQR): 4.0 (2.1 - 10.6) Min - Max: 0.0 - 125.0 |
| 27 | c\_IL\_1RA | CSF interleukin-1RA Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 19.1 (11.5) Median(IQR): 16.6 (12.5 - 21.5) Min - Max: 1.9 - 85.8 |
| 28 | c\_IL\_3\_cv | CSF interleukin-3 CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 6.5 (5.6) Median(IQR): 5.4 (2.1 - 9.4) Min - Max: 0.0 - 38.9 |
| 29 | c\_IL\_3 | CSF interleukin-3 Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.6 (0.3) Median(IQR): 0.5 (0.4 - 0.8) Min - Max: 0.0 - 2.3 |
| 30 | c\_IL\_9\_cv | CSF interleukin-9 CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 4.4 (8.1) Median(IQR): 3.3 (1.2 - 5.3) Min - Max: 0.0 - 101.0 |
| 31 | c\_IL\_9 | CSF interleukin-9 Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 2.3 (1.1) Median(IQR): 2.2 (1.4 - 3.0) Min - Max: 0.3 - 6.3 |
| 32 | c\_TSLP\_cv | CSF thymic stromal lymphopoietin CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 3.3 (5.6) Median(IQR): 2.5 (1.3 - 4.0) Min - Max: 0.0 - 71.3 |
| 33 | c\_TSLP | CSF thymic stromal lymphopoietin Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.5 (0.6) Median(IQR): 0.5 (0.3 - 0.6) Min - Max: 0.1 - 8.3 |
| 34 | c\_IL\_17AGenB\_cv | CSF interleukin-17A Generation B CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 4.8 (6.2) Median(IQR): 3.1 (1.4 - 5.5) Min - Max: 0.0 - 52.6 |
| 35 | c\_IL\_17AGenB | CSF interleukin-17A Generation B Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.9 (0.9) Median(IQR): 0.5 (0.2 - 1.3) Min - Max: 0.0 - 5.1 |
| 36 | c\_IL\_21\_cv | CSF interleukin-21 CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 4.5 (5.2) Median(IQR): 2.7 (1.5 - 5.2) Min - Max: 0.0 - 25.5 |
| 37 | c\_IL\_21 | CSF interleukin-21 Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.7 (0.7) Median(IQR): 0.4 (0.1 - 1.1) Min - Max: 0.0 - 4.2 |
| 38 | c\_IL\_22\_cv | CSF interleukin-22 CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 6.0 (5.9) Median(IQR): 4.3 (2.1 - 8.2) Min - Max: 0.1 - 37.7 |
| 39 | c\_IL\_22 | CSF interleukin-22 Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.6 (0.2) Median(IQR): 0.6 (0.4 - 0.7) Min - Max: 0.1 - 1.5 |
| 40 | c\_IL\_23\_cv | CSF interleukin-23 CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 4.4 (8.0) Median(IQR): 2.6 (1.3 - 5.3) Min - Max: 0.0 - 99.1 |
| 41 | c\_IL\_23 | CSF interleukin-23 Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.7 (1.0) Median(IQR): 0.5 (0.3 - 0.8) Min - Max: 0.0 - 12.3 |
| 42 | c\_IL\_27\_cv | CSF interleukin-27 CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 3.0 (2.7) Median(IQR): 2.4 (1.0 - 4.3) Min - Max: 0.0 - 18.1 |
| 43 | c\_IL\_27 | CSF interleukin-27 Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 88.6 (47.4) Median(IQR): 84.3 (54.7 - 117.0) Min - Max: 19.1 - 336.0 |
| 44 | c\_IL\_31\_cv | CSF interleukin-31 CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 5.1 (4.7) Median(IQR): 3.8 (1.5 - 7.9) Min - Max: 0.0 - 31.5 |
| 45 | c\_IL\_31 | CSF interleukin-31 Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.2 (0.1) Median(IQR): 0.1 (0.1 - 0.3) Min - Max: 0.0 - 0.6 |
| 46 | c\_MIP\_3alpha\_cv | CSF macrophage inflammatory protein-3 alpha CV | Num |  |  | N: 179 NMiss: 61 Mean(SD): 5.6 (10.5) Median(IQR): 4.4 (1.8 - 6.8) Min - Max: 0.0 - 137.0 |
| 47 | c\_MIP\_3alpha | CSF macrophage inflammatory protein-3 alpha Concentration (pg/mL) | Num |  |  | N: 179 NMiss: 61 Mean(SD): 0.5 (2.7) Median(IQR): 0.1 (0.0 - 0.3) Min - Max: 0.0 - 28.4 |
| 48 | c\_CRP\_cv | CSF C-reactive protein CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.8 (1.4) Median(IQR): 1.4 (0.8 - 2.3) Min - Max: 0.0 - 7.0 |
| 49 | c\_CRP | CSF C-reactive protein Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 9641.0 (18649) Median(IQR): 4905.0 (2450.0 - 9360.0) Min - Max: 332.0 - 154000 |
| 50 | c\_ICAM\_1\_cv | CSF interecellular adhesion molecule-1 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 2.7 (2.7) Median(IQR): 1.9 (0.8 - 4.0) Min - Max: 0.0 - 16.6 |
| 51 | c\_ICAM\_1 | CSF interecellular adhesion molecule-1 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 2760.7 (846.5) Median(IQR): 2635.0 (2210.0 - 3110.0) Min - Max: 1040.0 - 6050.0 |
| 52 | c\_SAA\_cv | CSF serum amyloid A CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.0 (2.4) Median(IQR): 2.3 (1.4 - 4.5) Min - Max: 0.0 - 15.0 |
| 53 | c\_SAA | CSF serum amyloid A Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 5430.8 (14511) Median(IQR): 1915.0 (1140.0 - 3550.0) Min - Max: 106.0 - 125000 |
| 54 | c\_VCAM\_1\_cv | CSF vascular cell ashesion molecule-1 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.8 (1.6) Median(IQR): 1.2 (0.7 - 2.7) Min - Max: 0.0 - 9.2 |
| 55 | c\_VCAM\_1 | CSF vascular cell ashesion molecule-1 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 8003.8 (2520.2) Median(IQR): 7550.0 (6240.0 - 9440.0) Min - Max: 3570.0 - 18200 |
| 56 | c\_Fit\_1\_cv | CSF Fms-like-tyrosine kinase-1 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 2.0 (1.6) Median(IQR): 1.5 (0.8 - 2.9) Min - Max: 0.0 - 8.9 |
| 57 | c\_Fit\_1 | CSF Fms-like-tyrosine kinase-1 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 40.7 (12.5) Median(IQR): 38.1 (31.8 - 47.3) Min - Max: 19.8 - 91.7 |
| 58 | c\_PlGF\_cv | CSF placental growth factor CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.8 (1.6) Median(IQR): 1.4 (0.6 - 2.5) Min - Max: 0.0 - 7.9 |
| 59 | c\_PlGF | CSF placental growth factor Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 17.8 (8.1) Median(IQR): 16.6 (13.1 - 20.5) Min - Max: 6.3 - 67.6 |
| 60 | c\_Tie\_2\_cv | CSF tyrosine kinase-2 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.9 (3.4) Median(IQR): 3.2 (1.3 - 5.5) Min - Max: 0.0 - 20.8 |
| 61 | c\_Tie\_2 | CSF tyrosine kinase-2 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 8.0 (4.5) Median(IQR): 6.8 (4.6 - 10.6) Min - Max: 0.4 - 24.0 |
| 62 | c\_VEGF\_A\_2\_cv | CSF vascular endothelial growth factor-A (VEGF-A) from Angiogensis Panel 1 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.7 (1.8) Median(IQR): 1.2 (0.6 - 2.2) Min - Max: 0.0 - 16.4 |
| 63 | c\_VEGF\_A\_2 | CSF vascular endothelial growth factor-A (VEGF-A) from Angiogensis Panel 1 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.2 (1.1) Median(IQR): 3.0 (2.4 - 3.7) Min - Max: 1.2 - 9.2 |
| 64 | c\_VEGF\_C\_cv | CSF vascular endothelial growth factor-C (VEGF-C) CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.4 (3.6) Median(IQR): 3.3 (1.5 - 6.2) Min - Max: 0.0 - 16.0 |
| 65 | c\_VEGF\_C | CSF vascular endothelial growth factor-C (VEGF-C) Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 7.5 (6.4) Median(IQR): 5.3 (2.3 - 12.4) Min - Max: 0.4 - 30.2 |
| 66 | c\_VEGF\_D\_cv | CSF vascular endothelial growth factor-D (VEGF-D) CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.3 (4.3) Median(IQR): 2.8 (1.0 - 6.1) Min - Max: 0.0 - 19.3 |
| 67 | c\_VEGF\_D | CSF vascular endothelial growth factor-D (VEGF-D) Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 33.6 (12.5) Median(IQR): 31.2 (25.2 - 39.5) Min - Max: 8.2 - 83.4 |
| 68 | c\_bFGF\_cv | CSF basic fibroblast growth factor CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 6.0 (5.7) Median(IQR): 4.3 (2.0 - 8.6) Min - Max: 0.0 - 37.6 |
| 69 | c\_bFGF | CSF basic fibroblast growth factor Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.1 (2.4) Median(IQR): 0.3 (0.1 - 1.0) Min - Max: 0.0 - 15.1 |
| 70 | c\_INF\_gamma\_cv | CSF interferon gamma CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.4 (3.4) Median(IQR): 3.5 (1.6 - 6.7) Min - Max: 0.0 - 15.9 |
| 71 | c\_INF\_gamma | CSF interferon gamma Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.3 (0.6) Median(IQR): 0.2 (0.1 - 0.3) Min - Max: 0.0 - 7.7 |
| 72 | c\_IL\_10\_cv | CSF interleukin-10 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.0 (3.4) Median(IQR): 3.3 (1.4 - 5.8) Min - Max: 0.0 - 19.4 |
| 73 | c\_IL\_10 | CSF interleukin-10 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.1 (0.1) Median(IQR): 0.1 (0.0 - 0.1) Min - Max: 0.0 - 0.5 |
| 74 | c\_IL\_12p70\_cv | CSF interleukin-12p70 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 6.3 (5.3) Median(IQR): 5.3 (2.3 - 8.5) Min - Max: 0.0 - 39.7 |
| 75 | c\_IL\_12p70 | CSF interleukin-12p70 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.0 (0.0) Median(IQR): 0.0 (0.0 - 0.0) Min - Max: 0.0 - 0.2 |
| 76 | c\_IL\_13\_cv | CSF interleukin-13 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 6.3 (5.3) Median(IQR): 5.0 (2.5 - 8.3) Min - Max: 0.2 - 22.3 |
| 77 | c\_IL\_13 | CSF interleukin-13 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.9 (0.6) Median(IQR): 0.8 (0.4 - 1.3) Min - Max: 0.0 - 2.9 |
| 78 | c\_IL\_1\_alpha\_cv | CSF interleukin-1alpha CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 16.8 (23.4) Median(IQR): 7.9 (3.9 - 19.8) Min - Max: 0.0 - 139.0 |
| 79 | c\_IL\_1\_alpha | CSF interleukin-1alpha Concentration (pg/mL) | Num |  |  | N: 181 NMiss: 59 Mean(SD): 0.5 (2.7) Median(IQR): 0.2 (0.1 - 0.3) Min - Max: 0.0 - 36.6 |
| 80 | c\_IL\_2\_cv | CSF interleukin-2 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.5 (3.1) Median(IQR): 2.8 (1.3 - 4.6) Min - Max: 0.0 - 22.0 |
| 81 | c\_IL\_2 | CSF interleukin-2 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.2 (0.1) Median(IQR): 0.2 (0.0 - 0.2) Min - Max: 0.0 - 0.4 |
| 82 | c\_IL\_4\_cv | CSF interleukin-4 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 8.0 (5.6) Median(IQR): 6.8 (3.4 - 12.4) Min - Max: 0.0 - 22.9 |
| 83 | c\_IL\_4 | CSF interleukin-4 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.0 (0.0) Median(IQR): 0.0 (0.0 - 0.0) Min - Max: 0.0 - 0.0 |
| 84 | c\_IL\_6\_cv | CSF interleukin-6 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.1 (4.3) Median(IQR): 1.7 (0.9 - 3.8) Min - Max: 0.0 - 43.3 |
| 85 | c\_IL\_6 | CSF interleukin-6 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.6 (0.8) Median(IQR): 1.4 (1.0 - 1.9) Min - Max: 0.6 - 6.4 |
| 86 | c\_IL\_8\_cv | CSF interleukin-8 using IL-8 ab CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.0 (3.5) Median(IQR): 1.8 (0.8 - 3.8) Min - Max: 0.0 - 17.8 |
| 87 | c\_IL\_8 | CSF interleukin-8 using IL-8 ab Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 47.7 (13.4) Median(IQR): 44.8 (39.6 - 53.4) Min - Max: 25.1 - 112.0 |
| 88 | c\_TNF\_alpha\_cv | CSF tumor necrosis factor alpha CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 5.4 (4.9) Median(IQR): 4.0 (1.7 - 7.7) Min - Max: 0.0 - 21.8 |
| 89 | c\_TNF\_alpha | CSF tumor necrosis factor alpha Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.1 (0.1) Median(IQR): 0.1 (0.0 - 0.2) Min - Max: 0.0 - 0.8 |
| 90 | c\_Eotaxin\_cv | CSF exotaxin CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 23.1 (21.8) Median(IQR): 18.0 (5.8 - 36.5) Min - Max: 0.2 - 119.0 |
| 91 | c\_Eotaxin | CSF exotaxin Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 12.7 (8.6) Median(IQR): 9.7 (7.7 - 15.6) Min - Max: 0.3 - 46.6 |
| 92 | c\_Eotaxin\_3\_cv | CSF exotaxin-3 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 10.5 (11.3) Median(IQR): 7.1 (4.3 - 13.5) Min - Max: 0.0 - 72.5 |
| 93 | c\_Eotaxin\_3 | CSF exotaxin-3 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 5.1 (2.7) Median(IQR): 4.9 (3.5 - 6.7) Min - Max: 0.3 - 15.6 |
| 94 | c\_IL\_8\_2\_cv | CSF interleukin-8 using HA ab CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 13.0 (10.0) Median(IQR): 10.5 (6.6 - 16.4) Min - Max: 0.0 - 63.4 |
| 95 | c\_IL\_8\_2 | CSF interleukin-8 using HA ab Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 72.2 (38.0) Median(IQR): 69.0 (47.2 - 93.0) Min - Max: 2.1 - 185.0 |
| 96 | c\_IP\_10\_cv | CSF IP-10 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.7 (6.8) Median(IQR): 2.3 (1.2 - 4.5) Min - Max: 0.1 - 31.9 |
| 97 | c\_IP\_10 | CSF IP-10 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 358.8 (206.6) Median(IQR): 299.0 (239.0 - 423.0) Min - Max: 110.0 - 1530.0 |
| 98 | c\_MCP\_1\_cv | CSF monocyte chemotactic protein-1 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.8 (3.1) Median(IQR): 2.9 (1.7 - 5.7) Min - Max: 0.0 - 16.6 |
| 99 | c\_MCP\_1 | CSF monocyte chemotactic protein-1 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 337.9 (87.2) Median(IQR): 329.0 (273.0 - 386.0) Min - Max: 157.0 - 659.0 |
| 100 | c\_MCP\_4\_cv | CSF monocyte chemotactic protein-4 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 13.2 (10.1) Median(IQR): 12.0 (5.2 - 18.7) Min - Max: 0.3 - 50.9 |
| 101 | c\_MCP\_4 | CSF monocyte chemotactic protein-4 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 2.3 (2.1) Median(IQR): 1.4 (0.7 - 3.5) Min - Max: 0.0 - 9.8 |
| 102 | c\_MDC\_cv | CSF MDC CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 16.3 (15.8) Median(IQR): 11.1 (5.7 - 22.2) Min - Max: 0.2 - 88.6 |
| 103 | c\_MDC | CSF MDC Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 31.0 (21.4) Median(IQR): 23.7 (15.1 - 42.1) Min - Max: 1.5 - 136.0 |
| 104 | c\_MIP\_1alpha\_cv | c\_MIP-1alpha\_cv | Num |  |  | N: 182 NMiss: 58 Mean(SD): 10.3 (9.5) Median(IQR): 8.5 (3.0 - 14.5) Min - Max: 0.0 - 43.1 |
| 105 | c\_MIP\_1alpha | c\_MIP-1alpha (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 13.7 (6.0) Median(IQR): 14.2 (10.7 - 16.6) Min - Max: 1.2 - 30.8 |
| 106 | c\_MIP\_1\_beta\_cv | CSF MIP-1beta CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 6.3 (7.0) Median(IQR): 4.1 (1.9 - 7.7) Min - Max: 0.0 - 38.0 |
| 107 | c\_MIP\_1\_beta | CSF MIP-1beta Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 10.0 (4.2) Median(IQR): 9.0 (7.5 - 11.0) Min - Max: 3.7 - 29.9 |
| 108 | c\_TARC\_cv | CSF TARC CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 8.5 (7.5) Median(IQR): 6.9 (2.6 - 11.1) Min - Max: 0.0 - 35.8 |
| 109 | c\_TARC | CSF TARC Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.3 (1.4) Median(IQR): 2.9 (2.4 - 3.9) Min - Max: 1.4 - 8.5 |
| 110 | c\_GM\_CSF\_cv | CSF granulocyte-macrophage colony stimulating factor CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 7.2 (5.8) Median(IQR): 5.7 (3.1 - 9.4) Min - Max: 0.0 - 29.4 |
| 111 | c\_GM\_CSF | CSF granulocyte-macrophage colony stimulating factor Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.1 (0.1) Median(IQR): 0.0 (0.0 - 0.1) Min - Max: 0.0 - 0.3 |
| 112 | c\_IL\_12\_IL\_23p40\_cv | CSF interleukin-12/interleukin-23p40 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.0 (4.9) Median(IQR): 1.8 (0.7 - 3.6) Min - Max: 0.0 - 38.9 |
| 113 | c\_IL\_12\_IL\_23p40 | CSF interleukin-12/interleukin-23p40 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.1 (1.7) Median(IQR): 3.8 (3.0 - 4.7) Min - Max: 1.4 - 11.0 |
| 114 | c\_IL\_15\_cv | CSF interleukin-15 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.3 (5.0) Median(IQR): 2.0 (0.9 - 3.8) Min - Max: 0.0 - 51.3 |
| 115 | c\_IL\_15 | CSF interleukin-15 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.2 (1.0) Median(IQR): 3.2 (2.6 - 3.7) Min - Max: 1.4 - 7.4 |
| 116 | c\_IL\_16\_cv | CSF interleukin-16 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.8 (5.2) Median(IQR): 2.6 (1.4 - 4.2) Min - Max: 0.0 - 40.9 |
| 117 | c\_IL\_16 | CSF interleukin-16 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 13.4 (4.7) Median(IQR): 12.6 (10.5 - 15.4) Min - Max: 6.0 - 34.4 |
| 118 | c\_IL\_17A\_cv | CSF interleukin-17A CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 6.7 (5.1) Median(IQR): 5.4 (3.0 - 9.5) Min - Max: 0.2 - 26.8 |
| 119 | c\_IL\_17A | CSF interleukin-17A Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.5 (1.4) Median(IQR): 1.2 (0.5 - 2.1) Min - Max: 0.0 - 7.1 |
| 120 | c\_IL\_1\_beta\_cv | CSF interleukin-1 beta CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.8 (7.3) Median(IQR): 2.5 (1.2 - 5.6) Min - Max: 0.0 - 49.7 |
| 121 | c\_IL\_1\_beta | CSF interleukin-1 beta Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.1 (0.1) Median(IQR): 0.1 (0.0 - 0.2) Min - Max: 0.0 - 0.4 |
| 122 | c\_IL\_5\_cv | CSF interleukin-5 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 6.1 (5.1) Median(IQR): 4.8 (2.1 - 8.5) Min - Max: 0.0 - 26.6 |
| 123 | c\_IL\_5 | CSF interleukin-5 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.2 (0.6) Median(IQR): 1.2 (0.7 - 1.6) Min - Max: 0.0 - 2.3 |
| 124 | c\_IL\_7\_cv | CSF interleukin-7 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.5 (3.2) Median(IQR): 2.8 (1.3 - 5.3) Min - Max: 0.0 - 27.2 |
| 125 | c\_IL\_7 | CSF interleukin-7 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.8 (0.3) Median(IQR): 0.7 (0.6 - 0.9) Min - Max: 0.3 - 2.5 |
| 126 | c\_TNF\_beta\_cv | CSF tumor necrosis factor beta CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 4.8 (4.0) Median(IQR): 3.8 (1.9 - 7.4) Min - Max: 0.0 - 26.4 |
| 127 | c\_TNF\_beta | CSF tumor necrosis factor beta Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 0.1 (0.1) Median(IQR): 0.1 (0.1 - 0.1) Min - Max: 0.0 - 0.4 |
| 128 | c\_VEGF\_A\_cv | CSF vascular endothelial growth factor (VEGF-A) from Cytokine Panel 1 CV | Num |  |  | N: 182 NMiss: 58 Mean(SD): 3.5 (7.3) Median(IQR): 2.1 (0.9 - 3.7) Min - Max: 0.1 - 65.4 |
| 129 | c\_VEGF\_A | CSF vascular endothelial growth factor (VEGF-A) from Cytokine Panel 1 Concentration (pg/mL) | Num |  |  | N: 182 NMiss: 58 Mean(SD): 1.9 (0.6) Median(IQR): 1.8 (1.5 - 2.2) Min - Max: 0.9 - 5.4 |
| 130 | c\_asyn\_cv | CSF alpha-synuclein CV | Num |  |  | N: 153 NMiss: 87 Mean(SD): 2.5 (2.1) Median(IQR): 2.0 (0.9 - 3.9) Min - Max: 0.0 - 11.1 |
| 131 | c\_asyn | CSF alpha-synuclein Concentration (pg/mL) | Num |  |  | N: 153 NMiss: 87 Mean(SD): 335.7 (126.2) Median(IQR): 313.0 (243.0 - 389.0) Min - Max: 103.0 - 709.0 |
| 132 | dxcte\_asyn\_c\_flag\_dv | Missing Data Flag - samples contained too much Hb (above 200 ng/mL), data removed due to quality control | Num | FMT0077F. | 0=No 1=Yes | No: 153 (63.8%) Yes: 26 (10.8%) Missing: 61 (25.4%) |