

**Longitudinal Variable File****Longitudinal Dataset****Data set name: V2\_V8\_CNFA\_NP****Instructions:** Neurocognitive test scores collected from V2 through V8.

| ADS      |              | <i>Eight-item informant questionnaire closest to cognitive assessment date</i> |
|----------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i>   |
| 3300     | Range        | 0 - 8 ( median=0 mean=1.8 std=2.8 )  |
| 53359    |              | Missing  |

| ADSDATE_FOLLO<br>WUPDAYS |              | <i>Days of follow up from visit 1 to date of eight-item informant questionnaire closest to cognitive assessment date</i> |
|--------------------------|--------------|--|
| <i>N</i>                 | <i>Value</i> | <i>Description</i>   |
| 3300                     | Range        | 9531 - 12425 ( median=10959.5 mean=10932.70 std=600.55 )   |
| 53359                    |              | Missing  |

| EXECFUNCFS1 |              | <i>Executive functioning domain factor score (in person) from categorical indicators (ver1)</i> |
|-------------|--------------|---|
| <i>N</i>    | <i>Value</i> | <i>Description</i>  |
| 14245       | Range        | -1.835 - 2.235 ( median=-0.032 mean=-0.0798 std=0.9085 )  |
| 42414       |              | Missing   |

| EXECFUNCFS6 |              | <i>Executive functioning domain factor score (phone) from continuous indicators (ver6)</i> |
|-------------|--------------|--|
| <i>N</i>    | <i>Value</i> | <i>Description</i>   |
| 3211        | Range        | -2.639 - 1.014 ( median=0.3 mean=0.00 std=0.87 )   |
| 53448       |              | Missing  |

| EXECFUNCFS7 |              | <i>Executive functioning domain factor score (phone) from categorical indicators (ver7)</i> |
|-------------|--------------|---|
| <i>N</i>    | <i>Value</i> | <i>Description</i>  |
| 3211        | Range        | -1.449 - 1.418 ( median=0.001 mean=0.0004 std=0.6131 )                                      |
| 53448       |              | Missing   |

| GLOBALFS1 |              | <i>Global cognition factor score (in person) from categorical indicators (ver1)</i> |
|-----------|--------------|---|
| <i>N</i>  | <i>Value</i> | <i>Description</i>  |
| 41194     | Range        | -2.838 - 2.84 ( median=0.449 mean=0.3796 std=0.9698 )                               |
| 15465     |              | Missing   |

**Longitudinal Variable File**

| <i>GLOBALFS2</i> |              | <i>Global cognition factor score (co-calibrated) from continuous indicators and invariant tests (ver2)</i> |
|------------------|--------------|--|
| <i>N</i>         | <i>Value</i> | <i>Description</i>   |
| 44076            | Range        | -3.713 - 3.576 ( median=0.422 mean=0.3285 std=0.9561 )   |
| 12583            |              | Missing  |

| <i>GLOBALFS3</i> |              | <i>Global cognition factor score (co-calibrated) from continuous indicators and invariant subsample cognition (ver3)</i> |
|------------------|--------------|--|
| <i>N</i>         | <i>Value</i> | <i>Description</i>   |
| 44076            | Range        | -3.713 - 3.576 ( median=0.427 mean=0.3394 std=0.9431 )   |
| 12583            |              | Missing  |

| <i>GLOBALFS4</i> |              | <i>Global cognition factor score (co-calibrated) from categorical indicators and invariant tests (ver4)</i> |
|------------------|--------------|---|
| <i>N</i>         | <i>Value</i> | <i>Description</i>  |
| 44076            | Range        | -3.758 - 3.686 ( median=0.3695 mean=0.31501 std=0.92050 )   |
| 12583            |              | Missing   |

| <i>GLOBALFS5</i> |              | <i>Global cognition factor score (co-calibrated) from categorical indicators and invariant subsample cognition (ver5)</i> |
|------------------|--------------|---|
| <i>N</i>         | <i>Value</i> | <i>Description</i>  |
| 44076            | Range        | -3.758 - 3.676 ( median=0.377 mean=0.3283 std=0.9066 )  |
| 12583            |              | Missing   |

| <i>GLOBALFS6</i> |              | <i>Global cognition factor score (phone) from continuous indicators (ver6)</i> |
|------------------|--------------|--|
| <i>N</i>         | <i>Value</i> | <i>Description</i>   |
| 3216             | Range        | -3.094 - 2.665 ( median=0.0605 mean=-0.00012 std=0.87279 )                     |
| 53443            |              | Missing  |

| <i>GLOBALFS7</i> |              | <i>Global cognition factor score (phone) from categorical indicators (ver7)</i> |
|------------------|--------------|---|
| <i>N</i>         | <i>Value</i> | <i>Description</i>  |
| 3216             | Range        | -3.207 - 2.754 ( median=0.04 mean=0.001 std=0.877 )                             |
| 53443            |              | Missing   |

| <i>GLOBZ_NCTS</i> |              | <i>Mean of DWR, DSS, and WFT z scores</i>                        |
|-------------------|--------------|--|
| <i>N</i>          | <i>Value</i> | <i>Description</i>   |
| 44357             | Range        | -3.37228 - 2.575749 ( median=-0.1489 mean=-0.20610 std=0.83326 ) |
| 12302             |              | Missing  |

**Longitudinal Variable File**

| <i>INPERSONDATE_FOLLOWUPDAYS</i> |              | <i>Days of follow up from visit 1 to in-person cognitive assessment date</i> |
|----------------------------------|--------------|--|
| <i>N</i>                         | <i>Value</i> | <i>Description</i>   |
| 45372                            | Range        | 739 - 12137 ( median=3256 mean=4854.6 std=3743.7 )                           |
| 11287                            |              | Missing  |

| <i>INPERSONTESTS</i> |              | <i>Indicator for one or more cognitive tests administered in person</i> |
|----------------------|--------------|---|
| <i>N</i>             | <i>Value</i> | <i>Description</i>  |
| 11287                | 0            | Not administered  |
| 45372                | 1            | Administered  |

| <i>LANGUAGEFS1</i> |              | <i>Language domain factor score (in person) from categorical indicators (ver1)</i> |
|--------------------|--------------|--|
| <i>N</i>           | <i>Value</i> | <i>Description</i>   |
| 14540              | Range        | -2.054 - 2.107 ( median=-0.032 mean=-0.0582 std=0.8707 )                           |
| 42119              |              | Missing  |

| <i>LANGUAGEFS2</i> |              | <i>Language domain factor score (co-calibrated) from continuous indicators and invariant tests (ver2)</i> |
|--------------------|--------------|---|
| <i>N</i>           | <i>Value</i> | <i>Description</i>  |
| 17404              | Range        | -3.074 - 2.684 ( median=-0.065 mean=-0.0961 std=0.8409 )  |
| 39255              |              | Missing   |

| <i>LANGUAGEFS3</i> |              | <i>Language domain factor score (co-calibrated) from continuous indicators and invariant subsample cognition (ver3)</i> |
|--------------------|--------------|---|
| <i>N</i>           | <i>Value</i> | <i>Description</i>  |
| 17404              | Range        | -3.074 - 2.684 ( median=-0.055 mean=-0.0833 std=0.8291 )  |
| 39255              |              | Missing   |

| <i>LANGUAGEFS4</i> |              | <i>Language domain factor score (co-calibrated) from categorical indicators and invariant tests (ver4)</i> |
|--------------------|--------------|--|
| <i>N</i>           | <i>Value</i> | <i>Description</i>   |
| 17404              | Range        | -2.897 - 2.723 ( median=-0.081 mean=-0.1051 std=0.8331 )   |
| 39255              |              | Missing  |

| <i>LANGUAGEFS5</i> |              | <i>Language domain factor score (co-calibrated) from categorical indicators and invariant subsample cognition (ver5)</i> |
|--------------------|--------------|--|
| <i>N</i>           | <i>Value</i> | <i>Description</i>   |
| 17404              | Range        | -2.897 - 2.697 ( median=-0.0735 mean=-0.09049 std=0.82176 )  |
| 39255              |              | Missing  |

**Longitudinal Variable File**

| <i>LANGUAGEFS6</i> |              | <i>Language domain factor score (phone) from continuous indicators (ver6)</i> |
|--------------------|--------------|---|
| <i>N</i>           | <i>Value</i> | <i>Description</i>  |
| 3198               | Range        | -2.326 - 3.649 ( median=-0.082 mean=0.0006 std=0.9167 )                       |
| 53461              |              | Missing   |

| <i>LANGUAGEFS7</i> |              | <i>Language domain factor score (phone) from categorical indicators (ver7)</i> |
|--------------------|--------------|--|
| <i>N</i>           | <i>Value</i> | <i>Description</i>   |
| 3198               | Range        | -2.067 - 2.152 ( median=0.021 mean=0.0021 std=0.9026 )                         |
| 53461              |              | Missing  |

| <i>MEMORYFS1</i> |              | <i>Memory domain factor score (in person) from categorical indicators (ver1)</i> |
|------------------|--------------|--|
| <i>N</i>         | <i>Value</i> | <i>Description</i>   |
| 14509            | Range        | -2.196 - 2.873 ( median=0.004 mean=-0.0158 std=0.8519 )                          |
| 42150            |              | Missing  |

| <i>MEMORYFS6</i> |              | <i>Memory domain factor score (phone) from continuous indicators (ver6)</i> |
|------------------|--------------|---|
| <i>N</i>         | <i>Value</i> | <i>Description</i>  |
| 3122             | Range        | -3.144 - 2.322 ( median=0.009 mean=0.0001 std=0.9527 )                      |
| 53537            |              | Missing   |

| <i>MEMORYFS7</i> |              | <i>Memory domain factor score (phone) from categorical indicators (ver7)</i> |
|------------------|--------------|--|
| <i>N</i>         | <i>Value</i> | <i>Description</i>   |
| 3122             | Range        | -3.406 - 2.362 ( median=-0.02 mean=0.000 std=0.952 )                         |
| 53537            |              | Missing  |

| <i>MISSINGTESTS</i> |              | <i>Number of missing neurocognitive tests</i> |
|---------------------|--------------|---|
| <i>N</i>            | <i>Value</i> | <i>Description</i>                            |
| 44357               | 0            | 0 Tests Missing                               |
| 733                 | 1            | 1 Test Missing                                |
| 178                 | 2            | 2 Tests Missing                               |
| 11391               | 3            | 3 Tests Missing                               |

| <i>PHONEDATE_FOL<br/>LOWUPDAYS</i> |              | <i>Days of follow up from visit 1 to telephone cognitive assessment date</i> |
|------------------------------------|--------------|--|
| <i>N</i>                           | <i>Value</i> | <i>Description</i>   |
| 19115                              | Range        | 9490 - 12437 ( median=10960 mean=10965.6 std=607.2 )                         |
| 37544                              |              | Missing  |

**Longitudinal Variable File**

| <i>PHONETESTS</i> |              | <i>Indicator for one or more cognitive tests administered by phone (0=No, 1=Yes, 2=SIS or ADS Only)</i> |
|-------------------|--------------|---|
| <i>N</i>          | <i>Value</i> | <i>Description</i>  |
| 45033             | 0            | Not administered  |
| 3221              | 1            | Administered  |
| 8405              | 2            | Only SIS or ADS administered  |

| <i>SIS</i> |              | <i>Six-item cognitive screener closest to cognitive assessment date</i> |
|------------|--------------|---|
| <i>N</i>   | <i>Value</i> | <i>Description</i>  |
| 16727      | Range        | 0 - 6 ( median=6 mean=5.6 std=0.8 )                                     |
| 39932      |              | Missing   |

| <i>SISDATE_FOLLOW<br/>UPDAYS</i> |              | <i>Days of follow up from visit 1 to date of six-item cognitive screener closest to cognitive assessment date</i> |
|----------------------------------|--------------|---|
| <i>N</i>                         | <i>Value</i> | <i>Description</i>  |
| 16727                            | Range        | 9490 - 12437 ( median=10956 mean=10945.7 std=588.5 )  |
| 39932                            |              | Missing   |

| <i>SUBJECTID</i> |              | <i>ARIC Subject ID (Cir)</i> |
|------------------|--------------|------------------------------|
| <i>N</i>         | <i>Value</i> | <i>Description</i>           |
| 56659            | Present      | Text suppressed              |

| <i>VDATE_FOLLOWU<br/>PDAYS</i> |              | <i>Days of follow up from visit 1 to cognitive assessment date</i> |
|--------------------------------|--------------|--|
| <i>N</i>                       | <i>Value</i> | <i>Description</i>   |
| 56659                          | Range        | 739 - 12437 ( median=5954 mean=6104.4 std=4192.6 )                 |

**Longitudinal Variable File**

| <i>VTYPE</i> |              | <i>Visit type</i>  |
|--------------|--------------|--------------------|
| <i>N</i>     | <i>Value</i> | <i>Description</i> |
| 19           | ACHY0        | ACHIEVE Baseline   |
| 201          | ACHY1        | ACHIEVE Year 1     |
| 3            | ACHY2        | ACHIEVE Year 2     |
| 1126         | Brain        | Brain MRI          |
| 2009         | CarMRI       | Carotid MRI        |
| 14178        | V2           | ARIC Visit 2       |
| 2077         | V3           | ARIC Visit 3       |
| 11321        | V4           | ARIC Visit 4       |
| 6466         | V5NCS        | ARIC NCS Visit 5   |
| 7574         | V6NCS        | ARIC NCS Visit 6   |
| 6566         | V7NCS        | ARIC NCS Visit 7   |
| 5119         | V8NCS        | ARIC NCS Visit 8   |

| <i>ZSCORE_DSS</i> |              | <i>Z score of digit symbol substitution</i>                      |
|-------------------|--------------|--|
| <i>N</i>          | <i>Value</i> | <i>Description</i>   |
| 44677             | Range        | -3.13218 - 3.403 ( median=-0.18081 mean=-0.258294 std=0.987597 ) |
| 11982             |              | Missing  |

| <i>ZSCORE_DWR</i> |              | <i>Z score of delayed word recall</i>                               |
|-------------------|--------------|---|
| <i>N</i>          | <i>Value</i> | <i>Description</i>  |
| 45063             | Range        | -4.32555 - 2.221508 ( median=-0.39731 mean=-0.352841 std=1.210319 ) |
| 11596             |              | Missing   |

| <i>ZSCORE_WFT</i> |              | <i>Z score of word fluency test</i>                                 |
|-------------------|--------------|---|
| <i>N</i>          | <i>Value</i> | <i>Description</i>  |
| 44975             | Range        | -2.65911 - 3.367612 ( median=-0.08771 mean=-0.041896 std=1.010856 ) |
| 11684             |              | Missing   |