## Variable Dictionary

| **Variable** | **Description** |
| --- | --- |
| HHIDPN | Unique household/person identifier |
| Wave | Survey wave 1-16 |
| RwTR20 | Total recall score (including immediate or delayed recall, max 20) |
| RwMSTOT | Total mental status score |
| RwLOST | Indicator for getting lost |
| RwWANDER | Indicator for wandering behavior |
| RwALONE | Indicator for if it can be left alone |
| RwHALUC | Indicator for hallucinations |
| RwWORK | Indicator for working status |
| RwHOUR | Number of hours worked |
| RwWGHR | Hourly wage |
| RwPHYS | The job requires a lot of physical effort |
| RwLIFT | The job requires a lot of heavy lifting |
| RwSTRES | The job is stressful |
| RwSTOOF | The job requires a lot stooping |
| RwSIGHT | The job requires eyesight |
| RwCENRE | Respondent region |
| RwMSTAT | Marital status |
| RwAGEM\_I | Relative age to 65 at interview (contain <0 values), in years |
| RwLVBRO | Number of living siblings; none (0), few (1-3), several (4-8), many (>9) |
| RwHIP | Indicator for hip problems |
| RwDIAB | Diabetes diagnosis indicator |
| RwCANCR | Cancer diagnosis indicator |
| RwLUNG | Lung disease indicator |
| RwHEART | Heart disease indicator |
| RwSTROK | Stroke indicator |
| RwPSYCH | Psychiatric condition indicator |
| RwATRAN | Net value of vehicles |
| RwVIGACT | Vigorous activity indicator |
| RwSMOKE | Smoking status |
| RwDRINK | Alcohol drinking status |
| RwPhyLim | Physical limitation indicator |
| RwCogLim | Any cognitive limitation indicator |
| RwIOCCSC | Standardized Occupation code |
| RwAnyCog | Any cognitive impairment indicator |

## Expected Results

| **Occupation Subgroup** | **Sample Size** | **Mean Baseline Recall Index** | **Mean Annual Decline (%)** | **Risk of Cognitive Impairment (%)** | **Odds Ratio (95% CI)** | **Notes/Adjustments** |
| --- | --- | --- | --- | --- | --- | --- |
| Managerial/Professional | 1,200 | 85 | -1.2 | 10 | Reference | Adjusted for age, sex, education |
| Technical/Operations | 900 | 82 | -1.9 | 15 | 1.35 (1.10–1.65) |  |
| Sales/Clerical | 1,000 | 80 | -2.0 | 18 | 1.50 (1.20–1.85) |  |
| Physically Demanding (Operators, Farming) | 1,100 | 78 | -0.8 | 8 | 0.75 (0.60–0.95) |  |
| Service (Cleaning, Food Prep) | 800 | 76 | -0.7 | 7 | 0.70 (0.55–0.90) |  |

*Example values are illustrative.*

## Data Preprocessing Pipeline