

Date Created: 2022\_04\_28

Number of Variables: 13

| Variable Name | Variable (VAR) Label                                                                 | VAR Type | Range of Values | Value Description                                 | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------|--------------------------------------------------------------------------------------|----------|-----------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PUBLICID      | National Health Interview Survey (NHIS) public use ID                                | Char     | ID              |                                                   | Public use identifier assigned by NCHS. Researchers linking the NHIS to the public-use LMF should use PUBLICID. To merge the NHIS public-use with the public-use LMF please see appendix III in the methods and analytic considerations:<br><a href="https://www.cdc.gov/nchs/data/datalinkage/2019NDI-Linkage-Methods-and-Analytic-Considerations-508.pdf">https://www.cdc.gov/nchs/data/datalinkage/2019NDI-Linkage-Methods-and-Analytic-Considerations-508.pdf</a>                                                                                                                                                                                                                                                                           |
| SEQN          | National Health and Nutrition Examination Survey (NHANES) Respondent Sequence Number | Num      | ID              |                                                   | Public use identifier assigned by NCHS. Researchers linking to NHANES III and 1999-2018 NHANES to the public-use LMF should use SEQN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ELIGSTAT      | Eligibility Status for Mortality Follow-up                                           | Num      | 1               | 1: Eligible                                       | Survey participants are defined as ineligible for mortality linkage if they had insufficient identifying data. Please note that all survey participants from the survey files are included on the linked mortality files regardless of linkage eligibility.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|               |                                                                                      |          | 2               | 2: Under age 18, not available for public release |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|               |                                                                                      |          | 3               | 3: Ineligible                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MORTSTAT      | Final Mortality Status                                                               | Num      | 0               | 0: Assumed alive                                  | The MORTSTAT variable is the final determination of vital status and should be used as an outcome variable to calculate survival. Each survey participant who is eligible for mortality follow-up is assigned a vital status code (0=Assumed alive, 1=Assumed deceased)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|               |                                                                                      |          | 1               | 1: Assumed deceased                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|               |                                                                                      |          | .               | .: Ineligible or under age 18                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UCOD_LEADING  | Underlying Leading Cause of Death: Recode                                            | Char     | 001             | Diseases of heart (054-068)                       | UCOD_LEADING is derived from UCOD_113, which is available on the Restricted-use Linked Mortality File. UCOD_113 was created to assist researchers conducting mortality analyses that span across years using ICD-9 and ICD-10 coding. In UCOD_113, all underlying causes of death were recoded into comparable ICD-10 based groups. For 2015-2018 NHIS only, UCOD_LEADING=001, 002, 003, 004, 005, and 010 are available. For 2015-2018 NHANES only, UCOD_LEADING=001, 002, and 010 are available. More information is available<br><a href="https://www.cdc.gov/nchs/data/datalinkage/underlying-and-multiple-cause-of-death-codes-508.pdf">https://www.cdc.gov/nchs/data/datalinkage/underlying-and-multiple-cause-of-death-codes-508.pdf</a> |
|               |                                                                                      |          | 002             | Malignant neoplasms (019-043)                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|---------------|---------------------------------------------------|----------|-----------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                                                   |          | 003             | Chronic lower respiratory diseases (082-086)                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | 004             | Accidents (unintentional injuries) (112-123)                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | 005             | Cerebrovascular diseases (070)                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | 006             | Alzheimer's disease (052)                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | 007             | Diabetes mellitus (046)                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | 008             | Influenza and pneumonia (076-078)                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | 009             | Nephritis, nephrotic syndrome and nephrosis (097-101)                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | 010             | All other causes (residual)                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          |                 | :Ineligible, under age 18, assumed alive, or no cause of death data available              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DIABETES      | Diabetes Flag from Multiple Cause of Death (MCOD) | Num      | 0               | 0: No - Condition not listed as a multiple cause of death                                  | Certain contributing causes of death are only coded in the multiple causes of death codes according to ICD coding rules. The current public-use LMF do not include the 20 entity-axis multiple causes of death codes. The multiple causes of death codes are only available on the restricted-use versions of the LMF. However, diabetes is included on the public-use versions of the LMF. The flag variable was coded a 1 if specific ICD codes were found in any one of the 20 contributing or multiple causes of death fields. |
|               |                                                   |          | 1               | 1: Yes – Condition listed as a multiple cause of death                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|               |                                                   |          | .               | .: Assumed alive, under age 18, ineligible for mortality follow-up, or MCODE not available |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| Variable Name | Variable (VAR) Label                                                                  | VAR Type | Range of Values | Value Description                                                                         | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|---------------------------------------------------------------------------------------|----------|-----------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HYPERTEN      | Hypertension Flag from Multiple Cause of Death (MCOB)                                 | Num      | 0               | 0: No - Condition not listed as a multiple cause of death                                 | Certain contributing causes of death are only coded in the multiple causes of death codes according to ICD coding rules. The current public-use LMF do not include the 20 entity-axis multiple causes of death codes. The multiple causes of death codes are only available on the restricted-use versions of the LMF. However, hypertension is included on the public-use versions of the LMF. The flag variable was coded a 1 if specific ICD codes were found in any one of the 20 contributing or multiple causes of death fields. |
|               |                                                                                       |          | 1               | 1: Yes – Condition listed as a multiple cause of death                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          | .               | .: Assumed alive, under age 18, ineligible for mortality follow-up, or MCOB not available |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          |                 |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DODQTR        | Quarter of Death: NHIS only                                                           | Num      | 1               | 1: January-March                                                                          | Quarter of death. Only applicable for NHIS (1986-2018).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               |                                                                                       |          | 2               | 2: April-June                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          | 3               | 3: July-September                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          | 4               | 4: October-December                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          | .               | .: Ineligible, under age 18, or assumed alive                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          |                 |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DODYEAR       | Year of Death: NHIS only                                                              | Num      | 1986-2019       | Year                                                                                      | Year of death. Only applicable for NHIS (1986-2018).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|               |                                                                                       |          | .               | Ineligible, under age 18, or assumed alive                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          |                 |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PERMTH_INT    | Number of Person Months of Follow-up from NHANES interview date                       | Num      | 0-374           | Months                                                                                    | Number of person-months of follow-up from NHANES interview date. Participants who are assumed alive are assigned the number of person months at the end of the mortality period, December 31, 2019. Only applicable for NHANES III and continuous NHANES (1999-2018)                                                                                                                                                                                                                                                                   |
|               |                                                                                       |          | .               | .: Ineligible or under age 18                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               |                                                                                       |          |                 |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PERMTH_EXM    | Number of Person Months of Follow-up from NHANES Mobile Examination Center (MEC) date | Num      | 0-374           | Months                                                                                    | Number of person-months of follow-up from NHANES MEC/exam date. Participants who are assumed alive are assigned the number of person months at the end of the mortality period, December 31, 2019. Only applicable for NHANES III and continuous NHANES (1999-2018)                                                                                                                                                                                                                                                                    |

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|               |                                                                                         |          | .               | ∴ Ineligible or under age 18 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| WGT_NEW       | Weight Adjusted for Ineligible Respondents - Person-level Sample Weight (for NHIS only) | Num      |                 |                              | Only for 1987-2014 NHIS: Values for WGT_NEW reflect the eligibility adjusted Person-level Sample Weights created to account for those ineligible for linkage to the NDI. For the 1986 NHIS public-use LMF, there are no eligibility adjusted sample weights and WGT_NEW is left blank. For NHIS 1986, NCHS recommends using WTFA from the public-use files.                                                                                                                                                                                                                      |
|               |                                                                                         |          | .               | ∴ Missing                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SA_WGT_NEW    | Weight Adjusted for Ineligible Respondents - Sample Adult Sample Weight (for NHIS only) | Num      |                 |                              | Only for 1997-2018 NHIS: Values for SA_WGT_NEW reflect the eligibility adjusted Sample Adult Sample Weight created to account for those ineligible for linkage to the NDI. Blank values represent those ineligible or not a sample adult. The Sample Adult Sample Weight is not applicable for the 1987-1996 NHIS analyses and is therefore left blank. NCHS initiated a redesign of the NHIS questionnaire that was implemented in 1997. The Sample Adult File does not exist prior to the 1997 NHIS. Only sample adults were eligible for mortality linkage for NHIS 2015-2018 |
|               |                                                                                         |          | .               | ∴ Missing                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |