| Variable Name | Variable Description | Variable Type | Range of Values | Value Description | Notes |
|---|---|---|---|---|---|
| PATIENT_ID | Linking ID | Char | . | . | This field is used to uniquely identify a person. This is a dummy number and is not the number used by the registry to identify the patient. |
| EVER_HUD | Ever Linked to HUD | Num | 0-1 | 0 - No<br>1 - Yes | Indicates that the person linked to the HUD administrative database and received assistance at any point during the administrative period (2006-2021). Note: All participants in this file linked to the HUD database at some point in time. |
| EVER_HCV | Ever Linked to HCV | Num | 0-1 | 0 - No<br>1 - Yes | Indicates that the person linked to the HUD administrative database and received assistance at any point during the administrative period (2006-2021) through the HCV program. |
| EVER_PH | Ever Linked to PH | Num | 0-1 | 0 - No<br>1 - Yes | Indicates that the person linked to the HUD administrative database and received assistance at any point during the administrative period (2006-2021) through the PH program. |
| EVER_MF_PBS8 | Ever Linked to PBS8 | Num | 0-1 | 0 - No<br>1 - Yes | Indicates that the person linked to the HUD administrative database and received assistance at any point during the administrative period (2006-2021) through the PBS8 program. |
| EVER_OTHR_MF | Ever Linked to Other Multifamily | Num | 0-1 | 0 - No<br>1 - Yes | Indicates that the person linked to the HUD administrative database and received assistance at any point during the administrative period (2006-2021) through a non-PBS8 MF program. |
| EVER_MTW | Ever Linked to an MTW Program | Num | 0-1 | 0 - No<br>1 - Yes | Indicates that the person linked to the HUD administrative database and received assistance at any point during the administrative period (2006-2021) through a Moving-to-Work (MTW) program. |
| CONCUR_HUD | In HUD (Any Program) During the Same Month as the Diagnosis Date | Num | 0-4, 9 | 0 = No concurrent episode<br>1 = Concurrent HCV<br>2 = Concurrent PH<br>3 = Concurrent MF PBS8<br>4 = Concurrent Other MF<br>9 = Missing | Indicates if the person was receiving HUD program assistance in the month of their diagnosis and if so, via which program. |
| FUTURE_HUD | Indicates First New Episode in HUD (Any Program) that Began After the month of the Diagnosis Date | Num | 0-4, 9 | 0 = No future HUD assistance<br>1 = Future HCV<br>2 = Future PH<br>3 = Future MF PBS8<br>4 = Future Other MF<br>9 = Missing | Indicates if the person received HUD program assistance that began after the month of their diagnosis and if so, via which program for the episode closest to diagnosis. Note: if CONCUR_HUD = 1-4, then FUTURE_HUD = 0. Calculated regardless of receipt of HUD assistance before diagnosis. |
| PRE_HUD | Indicates Last New Episode in HUD (Any Program) that Began Before the month of the Diagnosis Date and Ended before the month of diagnosis | Num | 0-4, 9 | 0 = Has assistance during or after the month of diagnosis<br>1 = Pre-diagnosis HCV<br>2 = Pre-diagnosis PH<br>3 = Pre-diagnosis MF PBS8<br>4 = Pre-diagnosis Other MF<br>9 = Missing | Indicates if the person received HUD program assistance that began before the month of their diagnosis and ended before their month of diagnosis, and if so, via which program for the episode closest to diagnosis. Note: if CONCUR_HUD = 1-4 or FUTURE_HUD = 1-4, then PRE_HUD = 0. |
| EPISODE_START_mon | If CONCUR_HUD=1-4, this is the month when the concurrent episode began. If FUTURE_HUD=1-4, this is the month when the future episode began. If PRE_HUD = 1-4, then this is the month when the most recent episode prior to diagnosis began. | Num | | | |

| Variable Name | Variable Description | Variable Type | Range of Values | Value Description | Notes |
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| EPISODE_START_yr | If CONCUR_HUD=1-4, this is the year when the concurrent episode began. If FUTURE_HUD=1-4, this is the year when the future episode began. If PRE_HUD = 1-4, then this is the year when the most recent episode prior to diagnosis began. | Num | | | |
| EPISODE_END_mon | If CONCUR_HUD=1-4, this is the month when the concurrent episode ends. If FUTURE_HUD=1-4, then this is the month when the future episode ends. If PRE_HUD = 1-4, then this is the month when the most recent episode prior to diagnosis ends. | Num | | | End dates are estimated based on the program-specific recertification windows. If an individual does not have another transaction for the program within the recertification window, the episode is assumed to end at the end of the recertification window (or death). |
| EPISODE_END_yr | If CONCUR_HUD=1-4, this is the year when the concurrent episode ends. If FUTURE_HUD=1-4, then this is the year when the future episode ends. If PRE_HUD = 1-4, then this is the year when the most recent episode prior to diagnosis ends. | Num | | | End dates are estimated based on the program-specific recertification windows. If an individual does not have another transaction for the program within the recertification window, the episode is assumed to end at the end of the recertification window (or death). |
| TRANS_mon | If CONCUR_HUD=1-4, this is the month of the transaction that is nearest to and before the date of diagnosis. If FUTURE_HUD=1-4, this is the month of the transaction that is nearest to and after the date of diagnosis. If PRE_HUD = 1-4, then this is the month of the transaction closest to and before the date of diagnosis. | Num | | | Combined with TRANS_yr variable, this is the date of the HUD transaction that provides the data for the HUD variables in the temporal alignment file. |
| TRANS_yr | If CONCUR_HUD=1-4, this is the month of the transaction that is nearest to and before the date of diagnosis. If FUTURE_HUD=1-4, this is the month of the transaction that is nearest to and after the date of diagnosis. If PRE_HUD = 1-4, then this is the year of the transaction closest to and before the date of diagnosis. | Num | | | Combined with TRANS_mon variable, this is the date of the HUD transaction that provides the data for the HUD variables in the temporal alignment file. |
| MULT_CONCUR | Multiple programs at diagnosis. | Num | 0-1 | 0 - No<br>1 - Yes | Indicates whether the individual was enrolled in multiple programs in the month of diagnosis. If MULT_CONCUR = 1, the program reported in the Temporal Alignment File concurrent HUD variables was selected using the following hierarchy:<br>1 = HCV (Housing Choice Vouchers)<br>2 = PBS8 (Section 8 Vouchers)<br>3 = MTW HCV (Moving to Work Housing Choice Vouchers)<br>4 = Other MF (Other Funding)<br>5 = PH (Public Housing)<br>6 = MTW PH (Moving to Work Public Housing) |

| Variable Name | Variable Description | Variable Type | Range of Values | Value Description | Notes |
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| MULT_FUTURE | Multiple concurrent programs after diagnosis. | Num | 0-1 | 0 - No<br>1 - Yes | Indicates whether the individual was enrolled in multiple programs during the selected Future HUD transaction. If MULT_FUTURE = 1, the program reported in the temporal alignment file future HUD variables was selected using the following hierarchy:<br>1 = HCV (Housing Choice Vouchers)<br>2 = PBS8 (Section 8 Vouchers)<br>3 = MTW HCV (Moving to Work Housing Choice Vouchers)<br>4 = Other MF (Other Funding)<br>5 = PH (Public Housing)<br>6 = MTW PH (Moving to Work Public Housing) |
| MULT_PREDX | Mutliple concurrent programs before diagnosis. | Num | 0-1 | 0 - No<br>1 - Yes | Indicates whether the individual was enrolled in multiple programs during the selected Pre HUD transaction. If MULT_PREDX = 1, the program reported in the temporal alignment file pre HUD variables was selected using the following hierarchy:<br>1 = HCV (Housing Choice Vouchers)<br>2 = PBS8 (Section 8 Vouchers)<br>3 = MTW HCV (Moving to Work Housing Choice Vouchers)<br>4 = Other MF (Other Funding)<br>5 = PH (Public Housing)<br>6 = MTW PH (Moving to Work Public Housing) |
| TRANS_IND | Index of the HUD transaction that provided the data for the HUD variables in the temporal alignment file. | Num | | | This field is used to uniquely identify a transaction at the person-episode level. The values are in sequential order corresponding to transactions within the episode. This index can be used with the PATIENT_ID to link with the TRANS_IND in the Transaction Data File (only available upon special request). |
| EPISODE_IND | Index of the HUD episode that provided the data for the HUD variables in the temporal alignment file. | Num | | | This field is used to uniquely identify an episode of housing assistance at the patient-level. The values are in sequential order corresponding to episodes of assistance over time within an individual. This index can be used with the PATIENT_ID to link with the EPISODE_IND in the Episode File and the Transaction Data file (only available upon special request). |
| HSHD_MBR_TOTAL_CNT | Total number of people in the household | Num | | | Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| HMLS_INDR | Household classified as homeless at time of admission | Num | 0-1 | 0 - No<br>1 - Yes | Marked as missing prior to 2016. Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| NUM_BEDRM_CNT | Total number of bedrooms in the unit occupied | Num | | | Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |

| Variable Name | Variable Description | Variable Type | Range of Values | Value Description | Notes |
|---|---|---|---|---|---|
| TOTAL_ANNL_INCM_AMNT | Family's total annual income from all sources, including assets | Num | | | Rounded to hundreds. Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| WAIT_LIST_ENTRY_MON | Month the family was placed on the waiting list for the program under which they currently receive housing assistance | Num | | | Marked as missing prior to 2016. Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| WAIT_LIST_ENTRY_YR | Year the family was placed on the waiting list for the program under which they currently receive housing assistance | Num | | | Marked as missing prior to 2016. Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| HEAD_RACE_CD | Head of Household's Race | Num | 1-6 | 1 = White, 2 = Black, 3 = Native American, 4 = Asian, 5 = Hawaiian or Pacific islander, 6 = more than one race | Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| HEAD_ETHNCY_CD | Head of Household's Ethnicity | Num | 1-2 | 1= Hispanic 2 = non-Hispanic | Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| H6_CD | Household Structure | Num | 1-6 | 1=elderly, no children 2=disabled (not elderly) no children 3=not elderly or disabled, no children 4=elderly with children, 5=disabled (not elderly) with children 6=not elderly or disabled with children | Elderly' denotes ages 62 or older. Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |

| Variable Name | Variable Description | Variable Type | Range of Values | Value Description | Notes |
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| VERY_LOW_INC_LMT_INDR | Determines if the Total Annual Income of the family is less than 50% of median income (household is very low income) | Num | 0-1 | 0 - No<br>1 - Yes | Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| EXT_LOW_INC_LMT_INDR | Determines if the Total Annual Income of the family is less than 30% of median income (household is extremely low income) | Num | 0-1 | 0 - No<br>1 - Yes | Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| DSBLTY_INDR | Indicates Disabled Household where H, S, or K disabled and not elderly (<62) | Num | 0-1 | 0 - No<br>1 - Yes | Note: For individuals with CONCUR_HUD = 1-4, this variable is reported at the time point nearest to and prior to diagnosis from the HUD episode concurrent with diagnosis. For individuals with FUTURE_HUD = 1-4, this variable is reported at the timepoint nearest diagnosis from the HUD episode occurring after diagnosis. For individuals with PRE_HUD = 1-4, this variable is reported at the timepoint nearest to and before diagnosis. The month and year for the reported timepoint are available from the trans_mon and trans_yr variables, respectively. |
| MISSING_DX_MON | Indicates if the individual is missing diagnosis month in the SEER data. | Num | 0-1 | 0 - No<br>1 - Yes | For individuals missing diagnosis month, variables regarding HUD assistance that are determined based on timing relative to diagnosis will be missing. |
| MISSING_DX_YEAR | Indicates if the individual is missing diagnosis year in the SEER data. | Num | 0-1 | 0 - No<br>1 - Yes | For individuals missing diagnosis year, variables regarding HUD assistance that are determined based on timing relative to diagnosis will be missing. |