**Healthcare Facility Assessment (HFA) Variables: EIP**

Data to be obtained from the CMS Nursing Home Compare website site <https://www.medicare.gov/nursinghomecompare/search.html> from the section “Download the Nursing Home Compare database” and available in Microsoft Excel format.

From the file “ProviderInfo\_download” use facility name, address and provider number to identify the rows which represent facilities participating in the 2017 prevalence survey. Then include in the file the two variables FACID and DATA\_DATE, and remove the variables (columns) that could be used to identify participating nursing homes so that only the variable listed below remain.

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| Table 1: Nursing home provider information, quality start ratings, inspection survey, staffing, and quality measure rating variables to be obtained from CMS Nursing Home Compare | | | |
| **Variable name** | **Label** | **Description** | **Format/Values** |
| FACID | CDC Facility ID | Unique identification facility code assigned by EIP staff | 7 alphanumeric characters |
| DATA\_DATE | Date data retrieved from CMS website | Date data retrieved from CMS website | YYYY-MM-DD |
| **Variable Name** | **Label** | **Description** | **Format / Values** |
| OWNERSHIP | Ownership Type | Nature of organization that operates a provider of services | text |
| BEDCERT | Number of Certified Beds | Number of Federally Certified Beds | integer |
| RESTOT | Number of Residents in Certified Beds | Number of Residents in Federally Certified Beds | integer |
| CERTIFICATION | Provider Type | Category which is most indicative of provider | text |
| INHOSP | Provider Resides in Hospital | Facility Resides in Hospital Inidcator | Y/N |
| CCRC\_FACIL | Continuing Care Retirement Community | Continuing Care Retirement Community Indicator | Y/N |
| overall\_rating | Overall Rating | Overall Rating | one-digit, values 1-5 |
| overall\_rating\_fn | Overall Rating Footnote | Overall Rating Footnote | text |
| survey\_rating | Health Inspection Rating | Health Inspection Rating | one-digit, values 1-5 |
| survey\_rating\_fn | Health Inspection Rating Footnote | Health Inspection Rating Footnote | text |
| quality\_rating | QM Rating | QM Rating | one-digit, values 1-5 |
| quality\_rating\_fn | QM Rating Footnote | QM Rating Footnote | text |
| staffing\_rating | Staffing Rating | Staffing Rating | one-digit, values 1-5 |
| staffing\_rating\_fn | Staffing Rating Footnote | Staffing Rating Footnote | text |
| RN\_staffing\_rating | RN Staffing Rating | RN Staffing Rating | one-digit, values 1-5 |
| rn\_staffing\_rating\_fn | RN Staffing Rating Footnote | RN Staffing Rating Footnote | text |
| STAFFING\_FLAG | Reported Staffing Footnote | Reported Staffing Footnote | text |
| PT\_STAFFING\_FLAG | Physical Therapist Staffing Footnote | Physical Therapy Staffing Footnote | text |
| AIDHRD | Reported CNA Staffing Hours per Resident per Day | Reported CNA Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| VOCHRD | Reported LPN Staffing Hours per Resident per Day | Reported LPN Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| RNHRD | Reported RN Staffing Hours per Resident per Day | Reported RN Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| TOTLICHRD | Reported Licensed Staffing Hours per Resident per Day | Reported Licensed Staffing - Hours per Resident per Day (RN + LPN) | real number, up to 5 decimal places |
| TOTHRD | Reported Total Nurse Staffing Hours per Resident per Day | Reported Total Nurse Staffing - Hours per Resident per Day (CNA+LPN+RN) | real number, up to 5 decimal places |
| PTHRD | Reported Physical Therapist Staffing Hours per Resident Per Day | Reported Physical Therapy Staffing - Hours per Resident Per Day | real number, up to 5 decimal places |
| exp\_aide | Expected CNA Staffing Hours per Resident per Day | Expected CNA Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| exp\_lpn | Expected LPN Staffing Hours per Resident per Day | Expected LPN Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| exp\_rn | Expected RN Staffing Hours per Resident per Day | Expected RN Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| exp\_total | Expected Total Nurse Staffing Hours per Resident per Day | Expected Total Nurse Staffing - Hours per Resident per Day (CNA+LPN+RN) | real number, up to 5 decimal places |
| adj\_aide | Adjusted CNA Staffing Hours per Resident per Day | Adjusted CNA Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| adj\_lpn | Adjusted LPN Staffing Hours per Resident per Day | Adjusted LPN Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| adj\_rn | Adjusted RN Staffing Hours per Resident per Day | Adjusted RN Staffing - Hours per Resident per Day | real number, up to 5 decimal places |
| adj\_total | Adjusted Total Nurse Staffing Hours per Resident per Day | Adjusted Total Nurse Staffing - Hours per Resident per Day (CNA+LPN+RN) | real number, up to 5 decimal places |
| cycle\_1\_defs | Cycle 1 Total Number of Health Deficiencies | Total Number of Health Deficiencies in Cycle 1 - See CMS 5-Star Techinical Users' Guide for description of Cycles | integer |
| cycle\_1\_defs\_score | Cycle 1 Health Deficiency Score | Cycle 1 - Health Deficiency Score | integer |
| CYCLE\_1\_SURVEY\_DATE | Cycle 1 Standard Survey Health Date | Date of Cycle 1 Standard Health Survey Date | YYYY-MM-DD |
| CYCLE\_1\_TOTAL\_SCORE | Cycle 1 Total Health Score | Cycle 1 - Total Health Inspection Score | integer |
| cycle\_2\_defs | Cycle 2 Total Number of Health Deficiencies | Total Number of Health Deficiencies in Cycle 2 - See CMS 5-Star Techinical Users' Guide for description of Cycles | integer |
| cycle\_2\_defs\_score | Cycle 2 Health Deficiency Score | Cycle 2 - Health Deficiency Score | integer |
| CYCLE\_2\_SURVEY\_DATE | Cycle 2 Standard Health Survey Date | Date of Cycle 2 Standard Health Survey Date | YYYY-MM-DD |
| CYCLE\_2\_TOTAL\_SCORE | Cycle 2 Total Health Score | Cycle 2 - Total Health Inspection Score | integer |
| cycle\_3\_defs | Cycle 3 Total Number of Health Deficiencies | Total Number of Health Deficiencies in Cycle 3 - See CMS 5-Star Techinical Users' Guide for description of Cycles | integer |
| cycle\_3\_defs\_score | Cycle 3 Health Deficiency Score | Cycle 3 - Health Deficiency Score | integer |
| CYCLE\_3\_SURVEY\_DATE | Cycle 3 Standard Health Survey Date | Date of Cycle 3 Standard Health Survey Date | YYYY-MM-DD |
| CYCLE\_3\_NUMREVIS | Cycle 3 Number of Health Revisits | Number of Health Survey Repeat-Revisits for Cycle 3 | integer |
| WEIGHTED\_ALL\_CYCLES\_SCORE | Total Weighted Health Survey Score | Total Weighted Health Survey Score for all 3 cycles - See CMS 5-Star Techical Users' Guide for explanation of Weighting | real number, up to 3 decimal places |
| FINE\_CNT | Number of Fines | Number of Fines | integer |
| FINE\_TOT | Total Amount of Fines in Dollars | Total Amount of Fines in Dollars | integer |
| PAYDEN\_CNT | Number of Payment Denials | Number of Payment Denials | integer |
| TOT\_PENLTY\_CNT | Total Number of Penalties | Total Number of Penalties | integer |
| FILEDATE | Processing Date | Date the data were retrieved | YYYY-MM-DD |

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| Table 2: List of the 18 CMS quality measures available from Nursing Home Compare | | |
| **Measure #** | **Measure description** | **Resident type** |
| ***(msr\_cd)*** | ***(msr\_descr)*** | ***(stay\_type)*** |
| 401 | Percent of Long Stay Residents Whose Need for Help with ADLs has Increased | Long Stay |
| 402 | Percent of Long Stay Residents Who Self Report Moderate to Severe Pain | Long Stay |
| 403 | Percent of High Risk Long Stay Residents With Pressure Ulcers | Long Stay |
| 404 | Percent of Long Stay Residents Who Lose Too Much Weight | Long Stay |
| 405 | Percent of Low Risk Long Stay Residents Who Lose Control of Their Bowel or Bladder | Long Stay |
| 406 | Percent of Long Stay Residents with a Catheter Inserted and Left in Their Bladder | Long Stay |
| 407 | Percent of Long Stay Residents With a Urinary Tract Infection | Long Stay |
| 408 | Percent of Long Stay Residents Who Have Depressive Symptoms | Long Stay |
| 409 | Percent of Long Stay Residents Who Were Physically Restrained | Long Stay |
| 410 | Percent of Long Stay Residents Experiencing One or More Falls with Major Injury | Long Stay |
| 411 | Percent of Long Stay Residents Assessed and Appropriately Given the Seasonal Influenza Vaccine | Long Stay |
| 415 | Percent of Long Stay Residents Assessed and Appropriately Given the Pneumococcal Vaccine | Long Stay |
| 419 | Percent of Long Stay Residents Who Received an Antipsychotic Medication | Long Stay |
| 424 | Percent of Short Stay Residents Who Self Report Moderate to Severe Pain | Short Stay |
| 425 | Percent of Short Stay Residents With Pressure Ulcers That Are New or Worsened | Short Stay |
| 426 | Percent of Short Stay Residents Who Were Assessed and Appropriately Given the Seasonal Influenza Vaccine | Short Stay |
| 430 | Percent of Short Stay Residents Assessed and Appropriately Given the Pneumococcal Vaccine | Short Stay |
| 434 | Percent of Short Stay Residents Who Newly Received an Antipsychotic Medication | Short Stay |

From the file “QualityMsr\_download” use facility name, address and provider number to identify the rows which represent facilities participating in the 2017 prevalence survey. Then include in the file the two variables FACID and DATA\_DATE, and remove the variables (columns) that could be used to identify participating nursing homes so that only the variable listed below remain.

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| Table 3: List of the CMS quality measures variables to be obtained from CMS Nursing Home Compare | | | |
| **Variable name** | **Label** | **Description** | **Format/Values** |
| FACID | CDC Facility ID | Unique identification facility code assigned by EIP staff | 7 alphanumeric characters |
| DATA\_DATE | Date data retrieved from CMS website | Date data retrieved from CMS website | YYYY-MM-DD |
| **Variable Name** | **Label** | **Description** | **Format/Values** |
| msr\_cd | Measure Code | Numeric code assigned to each quality measure | integer |
| msr\_descr | Measure Description | Measure Description | text |
| stay\_type | Resident type | Identifies the measure as pertaining to either short-stay or long-stay stay residents | text |
| q1\_measure\_score | Q1 Measure Score | The value for the quality measure for quarter one | real number, six decimal places |
| q1\_measure\_fn | Footnote for Q1 Measure Score | Footnote for the quality measure for quarter one | text |
| q2\_measure\_score | Q2 Measure Score | The value for the quality measure for quarter two | real number, six decimal places |
| q2\_measure\_fn | Footnote for Q2 Measure Score | Footnote for the quality measure for quarter two | text |
| q3\_measure\_score | Q3 Measure Score | The value for the quality measure for quarter three | real number, six decimal places |
| q3\_measure\_fn | Footnote for Q3 Measure Score | Footnote for the quality measure for quarter three | text |
| measure\_score\_3qtr\_avg | Three Quarter Average | The value for the three quarter average | real number, six decimal places |
| score3qtr\_fn | Footnote for Three Quarter Average | Footnote for Three Quarter Average | text |
| five\_star\_msr | Used in Quality Measure Five Star Rating | Identifies whether the quality measure is used in the calculation of the quality measure rating in the Five-Star Quality Rating System | Y/N |
| q1\_quarter | Q1 quarter | Identifies the calendar quarter associated with quarter 1 | text |
| q2\_quarter | Q2 quarter | Identifies the calendar quarter associated with quarter 2 | text |
| q3\_quarter | Q3 quarter | Identifies the calendar quarter associated with quarter 3 | text |
| filedate | Processing Date | Date the data were retrieved | YYYY-MM-DD |