

Measure Information Form

Project Title: [Out of Home Placement \(OOHP\) Measure for the Integrated Care for Kids \(InCK\) Model](#)

Date: Information included is current on [July 21, 2023](#).

Project Overview:

The Centers for Medicare & Medicaid Services (CMS) contracted with [Mathematica](#) to develop a quality measure for OOHP among Medicaid and Children’s Health Insurance Program (CHIP) beneficiaries in the InCK Model Attributed Region. The contract name is [Out-of-Home Placement \(OOHP\) Measure for the Integrated Care for Kids \(InCK\) Model](#). The contract number is [75FCMC18D0032/75FCMC20F0001](#).

1. Measure Name/Title ([CMS Consensus-Based Entity \[CBE\] Measure Submission Form](#) , Measure Specifications sp.01)

[Out of Home Placement \(OOHP\) Rate](#)

2. Descriptive Information

2.1 Measure Type

- process
- outcome
- PRO-PM
- cost /resource use
- efficiency
- structure
- intermediate outcome
- population health
- composite
 - process
 - outcome
 - other
- other

2.2 Brief Description of Measure (CMS CBE Measure Submission Form, Measure Specifications sp.02 and sp.06)

The measure reports the rate of OOHP episodes per 1,000 attributed beneficiaries within a set geographic area per year. An OOHP episode refers to a temporary or permanent transfer of custody to, or receipt of inpatient or residential services in, a predetermined list of locations. These include placements in long-term care facilities (including residential care centers, nursing facilities, and intermediate care facilities); inpatient hospitalizations for behavioral health (regardless of type of hospital facility—psychiatric hospital, children’s hospital, or other hospital); and custody episodes in foster care. Placement does not require the loss of parental custody and does not assume a minimum amount of time spent in the placement locations. It includes voluntary and mandatory placements.

There are two versions of the measure: (1) a health care OOHP version, which includes OOHP episodes in long-term care and behavioral health admissions, and (2) a health care and foster care version, which

includes episodes in long-term care, behavioral health admissions, and foster care. This measure was created for use in CMMI's Integrated Care for Kids (InCK) program.

Measurement period: 12 months

2.3 If Paired or Grouped (CMS CBE Measure Submission Form, Measure Specifications sp.03)

N/A

3. Measure Specifications

3.1 Measure-Specific Webpage (CMS CBE Measure Submission Form, Measure Specifications sp.09)

N/A

3.2 If this is an electronic clinical quality measure (eCQM) (CMS CBE Measure Submission Form, Measure Specifications sp.10)

N/A

3.3 Data Dictionary, Code Table, or Value Sets (CMS CBE Measure Submission Form, Measure Specifications sp.11)

The T-MSIS Analytic File (TAF) Demographic Eligibility (DE) data dictionary is available at <https://resdac.org/cms-data/files/taf-de/data-documentation> (ResDAC 2023(a)).

The TAF Long Term Care (LT) data dictionary is available at <https://resdac.org/cms-data/files/taf-lt> (ResDAC 2023(b)).

The TAF Inpatient (IP) data dictionary is available at <https://resdac.org/cms-data/files/taf-ip> (ResDAC 2023(c)).

The InCK Model Retrospective Attribution File (RAF) Data Elements Workbook, Version 2.0, is available in the "InCK Retrospective Attribution File Guidance Data Dictionary_v2.xlsx" Excel file (CMS 2022).

The InCK Core Child Services (CCS) foster care data dictionary is available in the "InCK_CCSD_Data_Elements_Workbook_FC_V1.0_6.21.21.xlsx" Excel file (CMS 2021).

For OOH Measure calculation purposes, use a modified version of CMS's Physical and Behavioral Health Integration (PBHI) reference code list, available for download at <https://www.medicaid.gov/medicaid/data-systems/macbis/medicaid-chip-research-files/transformed-medicaid-statistical-information-system-t-msis-analytic-files-taf/index.html> (CMS n.d.(a)). Specifically, use the following subset of codes: (1) "BH facility claims" type-of-bill codes, revenue codes, ICD-10 procedure codes, and CPT codes; (2) "substance use disorders" ICD-10 diagnosis codes; and (3) "mental health disorders" ICD-10 diagnosis codes. The PBHI reference code list might change if the algorithm is updated over time, so InCK contractors should consider adapting the latest available version in a similar manner when calculating the OOH Measure in the future.

3.4 For an instrument-based measure (CMS CBE Measure Submission Form, Measure Specifications sp.23 and sp.24)

N/A

3.5 Updates since last submission (CMS CBE Measure Submission Form, Specifications: Maintenance Update spma.01 and spma.02)

N/A

3.6 Numerator Statement (CMS CBE Measure Submission Form, Measure Specifications sp.12)

Number of OOHP episodes that began during the measurement period

3.7 Numerator Details (CMS CBE Measure Submission Form, Measure Specifications sp.13)

The numerator is the sum of OOHP episodes across up to three data sources. To calculate the numerator:

- Count OOHP episodes in the TAF LT claims file, following the measure specifications. This will identify episodes in long-term care facilities, such as nursing facilities, intermediate care facilities, and residential care.
- Count OOHP episodes in the TAF IP claims file, following the measure specifications. This will identify inpatient admissions related to behavioral health.
- Count OOHP episodes in the CCS foster care data. This will identify foster care placement episodes.

For the health care OOHP version of the measure, the numerator sums OOHP episode counts only from the TAF LT source and TAF IP source.

For the health care and foster care OOHP version of the measure, the numerator sums OOHP episode counts from all three data sources.

3.8 Denominator Statement (CMS CBE Measure Submission Form, Measure Specifications sp.14)

Number of eligible beneficiaries with at least one month of Medicaid enrollment during the measurement period.

3.9 Denominator Details (CMS CBE Measure Submission Form, Measure Specifications sp.15)

Data sources: TAF DE and InCK RAF

The denominator includes all individuals in the RAF with at least one TAF DE record during the measurement year.

Identify the initial population during the measurement period by using the RAF. Note that the RAF is an annual file. All individuals included in the RAF are included in the denominator, regardless of whether they opted out of data sharing of CCS data. Individuals without at least one month of enrollment in the TAF are excluded.

3.10 Denominator Exclusions (CMS CBE Includes “Exception” in the “Exclusion” Field) (CMS CBE Measure Submission Form, Measure Specifications sp.16)

N/A

3.11 Denominator Exclusion Details (CMS CBE Includes “Exception” in the “Exclusion” Field) (CMS CBE Measure Submission Form, Measure Specifications sp.17)

N/A

3.12 Stratification Details/Variables (CMS CBE Measure Submission Form, Measure Specifications sp.18)

N/A

3.13 Risk Adjustment Type (CMS CBE Measure Submission Form, Measure Specifications sp.19)

- no risk adjustment or risk stratification
- stratification by risk category/subgroup
- statistical risk model
- other

3.14 Type of Score (CMS CBE Measure Submission Form, Measure Specifications sp.20)

- count
- rate/proportion
- ratio
- categorical (e.g., yes or no)
- continuous variable (CV) (e.g., an average)
- composite/scale
- other (specify) [Click or tap here to enter text.](#)

3.15 Interpretation of Score (CMS CBE Measure Submission Form, Measure Specifications sp.21)

[Better population health is associated with a lower score.](#)

3.16 Calculation Algorithm/Measure Logic (CMS CBE Measure Submission Form, Measure Specifications sp.22)

[Steps for calculating measure:](#)

[Step 1: Clean the data to be used in the measure calculation. In TAF data, use the \[TAF DQ Atlas\]\(#\) \(CMS n.d.\(b\)\) to check for data quality and completeness. In foster care data, check for duplicate records and deduplicate and/or collapse records as needed to ensure that there is one record per foster care placement and that foster care placements are nested logically within foster care episodes. Next, deduplicate to ensure that the final file derived from this step is at the custody level \(see Deliverable 8-4: Implementation Roadmap for details\). Also check that the RAF is of sufficient data quality and contains a deduplicated list of individuals.](#)

[Step 2: Apply measure logic to identify denominator individuals. Link the RAF and TAF, and limit to individuals in the RAF with at least one month of Medicaid enrollment in the TAF. Use this denominator for both versions of the measure.](#)

[Step 3: Apply measure logic to identify numerator OOHP episodes by data source.](#)

- [a\) In TAF, identify the number of health-related OOHP episodes that began during the measurement period.](#)
- [b\) In the InCK CCS data, identify the number of foster care OOHP episodes that began during the measurement period.](#)

[Step 4: Calculate the InCK Model Award Recipient–level measure rate by data source.](#)

Health care OOHP Measure:

$$\frac{\text{Number of health related OOHP episodes}}{\text{Number of Attributed InCK Beneficiaries with at least one month of Medicaid enrollment}} * 1,000$$

Health care and foster care OOHP Measure:

$$\frac{([\text{Number of health related OOHP episodes}] + [\text{Number of foster care OOHP episodes}])}{\text{Number of Attributed InCK Beneficiaries with at least one month of Medicaid enrollment}} * 1,000,$$

where OOHP = out of home placement.

3.17 Sampling (CMS CBE Measure Submission Form, Measure Specifications sp.25 and sp.26)

N/A

3.18 Survey/Patient-Reported Data (CMS CBE Measure Submission Form, Measure Specifications sp.27)

N/A

3.19 Data Source (CMS CBE Measure Submission Form, Measure Specifications sp.28)

- administrative data
- claims data
- paper patient medical records
- electronic patient medical records
- electronic clinical data
- registries
- standardized patient assessments
- patient-reported data and surveys
- non-medical data
- other—describe in 3.20 (CMS CBE Measure Submission Form, Measure Specifications sp.29)

3.20 Data Source or Collection Instrument (CMS CBE Measure Submission Form, Measure Specifications sp.29)

Numerator:

Health-related OOHP episodes come from Medicaid claims data, specifically the TAF IP and LT files.

Foster care OOHP episodes come from administrative data from the award recipient’s state or local child welfare agency.

Denominator:

The data source for the InCK Attributed Population is the InCK Model RAF, which is linked to the TAF DE file to limit to beneficiaries enrolled in Medicaid for at least one month.

When calculating the measure outside the context of the InCK Model, use Medicaid enrollment files (e.g., from state Medicaid Management Information System or from CMS TAF DE file) to identify Medicaid beneficiaries in the geographic area for which the measure is being calculated, such as statewide or for select counties.

3.21 Data Source or Collection Instrument (Reference) (CMS CBE Measure Submission Form, Measure Specifications sp.30)

CMS's description of the TAF is available at <https://www.medicare.gov/medicaid/data-systems/macbis/medicaid-chip-research-files/transformed-medicare-statistical-information-system-tmsis-analytic-files-taf/index.html>. (CMS n.d.(a)).

The CCS foster care data dictionary is available in the "InCK_CCSD_Data_Elements_Workbook_FC_V1.0_6.21.21.xlsx" Excel file (CMS 2021).

3.22 Level of Analysis (CMS CBE Measure Submission Form, Measure Specifications sp.07)

- individual clinician
- group/practice
- hospital/facility/agency
- health plan
- accountable care organization
- geographic population
- other (specify) [Click or tap here to enter text.](#)

3.23 Care Setting (CMS CBE Measure Submission Form, Measure Specifications sp.08)

- ambulatory surgery center
- clinician office/clinic
- outpatient rehabilitation
- urgent care – ambulatory
- behavioral health: inpatient
- behavioral health: outpatient
- dialysis facility
- emergency medical services/ambulance
- emergency department
- home health
- hospice
- hospital
- hospital: critical care
- hospital: acute care facility
- imaging facility
- laboratory
- pharmacy
- nursing home/skilled nursing facility (SNF)
- inpatient rehabilitation facility (IRF)
- long-term acute care
- birthing center
- no applicable care setting
- other (specify) [Psychiatric hospital; residential treatment center; foster care; group home; therapeutic foster care](#)

3.24 Composite Measure ([CMS CBE Composite Measure Submission Form](#) , Measure Specifications sp.30)

N/A

REFERENCES

CMS. "DQ Atlas." n.d.(b). <https://www.medicaid.gov/dq-atlas/welcome>. Last accessed July 20, 2023.

CMS. "Integrated Care for Kids (InCK) Model Data Elements Workbook: Core Child Services Data (Child Welfare, Foster Care, Juvenile Justice) Version 1.0." CMS: June 21, 2021.

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ResDAC. "TAF Demographic and Eligibility File." 2023(a). <https://resdac.org/cms-data/files/taf-de/data-documentation>. Last accessed July 20, 2023.

ResDAC. "TAF Inpatient File." 2023(c). <https://resdac.org/cms-data/files/taf-ip>. Last accessed July 20, 2023.

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