

MCT2D Patient Population: Denominator and Numerator Descriptions

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MCT2D Patient Population

All patients included in the denominator for MCT2D measures meet the following criteria:

1. Commercial and Medicare Advantage patients; Medicaid patients
2. ≥ 18 years old
3. Type 2 diabetes diagnosis or
4. Most recent clinical hemoglobin A1c (HbA1c) ≥ 6.5 or claim A1c ≥ 7.0 or
5. Diabetes medication filled within the past 6 months
6. Excluded: patients with history of Type 1 diabetes diagnosis
7. Patients diagnosed with Polycystic Ovarian Syndrome who meet medication criteria that is a single Incretin Mimetics drug

MCT2D Patient Profile: Patient Characteristics

Type 2 Diagnosis (meas_id=1)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Patients with medical claim diagnosis of Type 2 diabetes in the reporting history.

Hemoglobin A1C (A1C) (meas_id=2)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Clinical A1c values and service dates with values > 0 and ≤ 20.0 within the clinical reporting history.

Note: Exclude any reported value with more than one decimal place.

Body Mass Index (BMI) (meas_id=3)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. BMI values and service dates within the clinical reporting history.

Medicare Status (meas_id=109)

Denominator: Patients. MCT2D-eligible population.

Numerator: Patients. Medicare enrollment status documented by participating Payers.

Weight (meas_id=4)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Weight values and service dates within the clinical reporting history.

Note: Weight results may vary based on clinical record unit of measure reported.

Pharmacy Drug Coverage (meas_id=21)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Patient eligibility pharmacy coverage status for the last month of the reporting period.

Note: Data can be updated retroactively by payer and does not include any identifiers for pharmacy carve-outs with a Pharmacy Benefit Manager (PBM).

Blood Pressure (Systolic meas_id=22; Diastolic meas_id=23)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. The lowest reported blood readings on the two most recent dates within the clinical reporting history.

Note: Systolic and diastolic blood pressure readings are received and evaluated independently.

Retinopathy Screen (meas_id=24)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Most recent service date with screening or monitoring for diabetic retinal disease (eye exam) as defined by HEDIS Comprehensive Diabetes Care Eye Exam numerator definition:

~A retinal or dilated eye exam by an eye care professional (optometrist or ophthalmologist) in the measurement year.

~A negative retinal or dilated eye exam (negative for retinopathy) by an eye care professional in the year prior to the measurement year.

~Excluded: Bilateral eye enucleation any time during the member's history through measurement year.

~Excluded: Patients > 75 years old.

Note: See MCT2D Retinopathy specification for specific details on qualifying criteria.

Chronic Kidney Disease – (CKD) Diagnosis (meas_id=25)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Patients. with medical claim diagnosis of chronic kidney disease (CKD) in the claims' reporting history.

Nephrologist Flag (meas_id=26)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Last nephrologist claim service date with flag on any patient with history of being under the care of a nephrologist within the claims' reporting history.

Note: Based on service provider and taxonomy codes and independent of the Primary Nephrologist criteria that qualifies patient participation.

Weight (% Annual Change) (meas_id=4)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. "Annualized Percent Weight Change. For the historical weight, search in the range of -9 to -24 months for the weight that is closest to the 12-month mark to the current weight. Current weight is most recent reading that falls within the 12-month reporting period. If multiple readings on the same day, take the average. "

Pharmacy Drug Coverage (meas_id=21)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Patients with Rx coverage for the last month of the reporting period.

Clinical Labs

Urine Albumin (meas_id=30)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. "Most recent clinical lab result based on service type code. If more than one value, report the highest value."

Urine Creatinine (meas_id=31)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. "Most recent clinical service date and lab result value based on service type code. If more than one value, report the lowest value."

Estimated Glomerular Filtration Rate (eGFR) (meas_id=32)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. "Most recent clinical service date and lab result value based on service type code. If more than one value, report the lowest value."

Album/Creatinine Ratio (meas_id=33)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. "Most recent clinical service date and lab result value based on service type code. If more than one value, report the highest value."

Serum Creatinine (meas_id=86)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. "Most recent clinical service date and lab result value based on service type code, CPT or LOINC code. If more than one value, report the highest value."

Medications

Diabetes Medication (meas_id=19)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent diabetes medication fill date.

α-glucosidase-i (Alpha-glucosidase inhibitor) (meas_id=13)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent α-glucosidase-i fill date.

Amylin analog (meas_id=14)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Amylin analog fill date.

Antidiabetic combinations (meas_id=11)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Antidiabetic combinations fill date.

DPP4-I (meas_id=15)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent DPP4-I fill date.

Glinide (Meglitinides) (meas_id=16)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Glinide (Meglitinides) fill date.

GLP1 (Glucagon-like peptide-1 agonists) (meas_id=9)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent GLP1 fill date.

Intermediate-Acting Insulin (meas_id=7)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Intermediate-Acting Insulin fill date.

Long-Acting Insulin (meas_id= 8)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Long-Acting Insulin fill date.

Short-Acting Insulin (meas_id=6)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Short-Acting Insulin fill date.

SGLT2 (Sodium glucose cotransporter 2 inhibitor) (meas_id=10)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent SGLT2 fill date.

Metformin (meas_id=12)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Metformin fill date.

Sulfonylurea (meas_id=17)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Sulfonylurea fill date.

Thiazolidinedione (meas_id=18)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Thiazolidinedione fill date.

Angiotensin-Converting Enzyme Inhibitors (ACEI) (meas_id=28)

Denominator: Patients. MCT2D-eligible patients.

Numerator:.. Most recent ACEI fill date.

Angiotensin Receptor Blocker (ARB) (meas_id=29)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent ARB fill date.

Statins (meas_id=20)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent Statin fill date.

Continuous Glucose Monitor (CGM) (meas_id=5)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Most recent CGM medical service date or fill date.

MCT2D Summary Measures: Patient Characteristics

A1C (Hemoglobin A1C) (meas_id=2)

Denominator: Patients. Patients with clinical A1C value > 0 and ≤ 20.0 in the last 12 months.

Numerator: Patients. Most recent clinical A1c value in the last 12 months.

A1C Value-Based Reimbursement (A1C VBR) (meas_id=108)

Denominator: Patients. BCBSM patients (BCBSM, BCBS-MA, BCN, or BCNA members) 18–75 years of age with an A1c (clinical or claim) with a service date between measurement start date and reporting period end date. Patients must retain same provider between designated lock date and final measurement date.

Numerator: Patients. Most recent A1c result.

Body Mass Index (BMI) (meas_id=3)

Denominator: Patients. Patients with BMI value during the 12-month reporting period.

Numerator: Patients. Most recent BMI value during the 12-month reporting period.

Continuous Glucose Monitor (CGM) (meas_id=5)

Denominator: Patients. Four denominators reported: All Patients; Active Insulin Patients; Inactive Insulin patients; No Insulin Patients.

Numerator: Patients. Patients with CGM during the 12-month reporting period.

CGM Endocrinology Interpretation VBR (meas_id=121)

Denominator: Patients. "BCBSM, BCBS-MA, BCN, or BCNA members ≥ 18 years of age attributed to an MCT2D participating provider and a CGM claim within a 12-month period ending two months prior to the measurement end date (for example, an anchor date of 5/31/2025 would evaluate the period from 4/1/2024 to 3/31/2025)."

Numerator: Patients. At least one claim with CPT code 95251 (CGM data) in the 12 month measurement period.

CGM Sensor Days (meas_id=27)

Denominator: Patients. "Patients with CGM Sensor Days during the 12 month reporting period, broken out by 4 different populations: All Patients; Active Insulin Patients; Inactive Insulin patients; No Insulin Patients."

Numerator: Patients. Sum of CGM Sensor Days in the 12-month reporting period.

Primary Care and Nephrology uACR VBR (meas_id=122)

*uACR Measure will be split in the dashboard between Primary Care and Nephrologists based on MCT2D list

Denominator: Patients. Patients with a SOURCE in (BCN_ELIG or BCBSM_ATTR) OR patients with a BCN/BCBSM medical claim for any service within the last 12 months of the reporting period end date, age 18 to 85 who meet the MCT2D T2D criteria for inclusion in the data registry and who have at least one claim (for any service) since the beginning of the baseline period and the population lock date received by MCT2D (indicating that MCT2D is receiving claims for that patient).

Numerator: Patients. Most recent medical claim or clinical uACR record
Within the 12 month measurement period.

Rx All (All Rx Measures)

Denominator: Patients. Patients with Rx coverage during the last month of the reporting period.

Numerator: Patients. Patients with specified Rx fill in last 6 months of the reporting period.

Rx Coverage (Pharmacy Drug Coverage) (meas_id=21)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Patients with Rx coverage during the last month of the reporting period.

SGLT2i or GLP-1RA (meas_id =10 or 9)

Denominator: Patients. Patients with Rx Coverage during the last month of the reporting period.

Numerator: Patients. Patients with either a SGLT2i or GLP-1RA Rx fill in the last 6 months of the reporting period.

Statins (meas_id=20)

Denominator: Patients. Patients with Rx Coverage during the last month of the reporting period.

Numerator: Patients. Patients with Statin fill in last 6 months of the reporting period.

Weight (% Annual Change) (meas_id=4)

Denominator: Patients. MCT2D-eligible patients.

Numerator: Patients. Annualized Percent Weight Change. For the historical weight, search in the range of -9 to -24 months for the weight that is closest to the 12-month mark to the

current weight. Current weight is most recent reading that falls within the 12-month reporting period. If multiple readings on the same day, take the average.