

## MEASURE DETAILS



### SCREENING FOR ABNORMAL BLOOD GLUCOSE

Percentage of patients aged 40 years and older with a BMI  $\geq 25$  who are seen for at least two office visits or at least one preventive visit during the 12-month period who were screened for abnormal blood glucose at least once in the last 3 years

SHOW ALL RESULTS

Initial Population:

```
define "Initial Population":
  exists ( ["Patient Characteristic Birthdate": "Birth date"] BirthDate
    where Global."CalendarAgeInYearsAt" ( BirthDate.birthDatetime, start of
      "Measurement Period" ) >= 18
  )
  and ( Count("Office Visit During Measurement Period") >= 2
    or exists "Preventive Visit During Measurement Period" )
```

SHOW RESULT

Denominator:

```
define "Denominator":
  "Initial Population"
  and exists ( ["Patient Characteristic Birthdate": "Birth date"] BirthDate
    where Global."CalendarAgeInYearsAt" ( BirthDate.birthDatetime, start of
      "Measurement Period" ) >= 43
  )
  and "Highest BMI Documented During Measurement Period is Greater Than or Equal to 25"
```

SHOW RESULT

Denominator Exclusion:

```
define "Denominator Exclusions":
  "Patient is Pregnant at Encounter"
  or "Patient Has Active Diabetes Diagnosis at Encounter"
  or "Hospice During Measurement Period"
  or "Palliative Care During Measurement Period"
  or "Comfort Measures During Measurement Period"
```

SHOW RESULT

Numerator:

```
define "Numerator":
  exists "A1c Test Performed Within Past 3 Years"
  or exists "Fasting Plasma Glucose Test Performed Within Past 3 Years"
  or exists "Two Hour Plasma Glucose During 75 Gram Oral Glucose Tolerance Test
    Performed Within Past 3 Years"
```

SHOW RESULT

Denominator Exception:

```
define "Denominator Exceptions":
  exists "Patient Reason for Not Performing Blood Glucose Test"
```

SHOW RESULT

## TEST PATIENTS



PASS

35/35



% COVERAGE

✓	DenExPass DMwoCompAtEno	PASS >
✓	DenExPass DiabetesAtEno	PASS >
✓	DenExPass DischargeFacilityHoop	PASS >
✓	DenExPass DischargeHomeHoop	PASS >
✓	DenExPass OrderComfortDuringMP	PASS >
✓	DenExPass OrderHoopAmbDuringMP	PASS >
✓	DenExPass OrderPallDuringMP	PASS >
✓	DenExPass PerformComfortDuringMP	PASS >
✓	DenExPass PerformHoopAmbDuringMP	PASS >
✓	DenExPass PerformPallDuringMP	PASS >
✓	DenExPass PregAtEno	PASS >
✓	DenExcepPass LabFGMoleoPerVolPtRefu oe	PASS >
✓	DenExcepPass LabFPGMoleoPerVolPtRef uoe	PASS >
✓	DenExcepPass LabGlucoseMoleoPerVolPt Refuoe	PASS >
✓	DenExcepPass LabGlucoseMoleoPerVolP tRefuoe	PASS >
✓	DenExcepPass LabHbA1oPtRefuoe	PASS >
✓	DenFail Age<40NoBMI	PASS >
✓	DenFail Age<43BMI>=25	PASS >
✓	DenFail Age>=45BMI<25	PASS >
✓	DenPass EdgeAge42onDeo31Prior MP	PASS >
✓	DenPass EdgeAge43onJen1MP	PASS >
✓	IPPFail Age1DuringMP	PASS >

## Definitions:

```

Define "A1c Test Performed Within Past 3 Years":
  ([Laboratory Test, Performed]: "HbA1c Laboratory Test") HbA1cTest
  where HbA1cTest.relevantDatetime 3 years or less before
    end of "Measurement Period"
    and HbA1cTest.result is not null

```

SHOW RESULT

```

Define "Preventive Visit During Measurement Period":
  ([Encounter, Performed]: "Annual Wellness Visit")
  union ([Encounter, Performed]: "Preventive Care Services - Established Office Visit,
  18 and Up")
  union ([Encounter, Performed]: "Preventive Care Services - Other")
  union ([Encounter, Performed]: "Preventive Care Services-Initial Office Visit, 18 and
  Up") PreventiveVisit
  where PreventiveVisit.relevantPeriod during "Measurement Period"

```

SHOW RESULT

```

Define "Office Visit During Measurement Period":
  ([Encounter, Performed]: "Office Visit")
  union ([Encounter, Performed]: "Outpatient Consultation")
  union ([Encounter, Performed]: "Nursing Facility Visit") } OfficeEncounter
  where OfficeEncounter.relevantPeriod during "Measurement Period"

```

SHOW RESULT

```

Define "Encounter During Measurement Period":
  "Preventive Visit During Measurement Period"
  union "Office Visit During Measurement Period"

```

SHOW RESULT

```

Define "BMI Performed at Encounter During Measurement Period":
  ([Physical Exam, Performed]: "Body mass index (BMI) [Ratio]") BMIExam
  with "Encounter During Measurement Period" VisitDuringMP
  such that BMIExam.relevantDatetime during VisitDuringMP.relevantPeriod
  and BMIExam.result >= 8 "kg/m2"
  return BMIExam.result as Decimal

```

SHOW RESULT

```

Define "Patient Reason for Not Performing Blood Glucose Test":
  ([Laboratory Test, Not Performed]: "HbA1c Laboratory Test")
  union ([Laboratory Test, Not Performed]: "Fasting Plasma Glucose Lab Test Mass Per
  Volume")
  union ([Laboratory Test, Not Performed]: "Fasting glucose [Moles/volume] in Serum or
  Plasma")
  union ([Laboratory Test, Not Performed]: "Glucose [Mass/volume] in Serum or Plasma -
  <2 hours post 75 g glucose PO")
  union ([Laboratory Test, Not Performed]: "Glucose [Moles/volume] in Serum or Plasma -
  <2 hours post 75 g glucose PO") } NoBloodGlucoseTest
  with "Encounter During Measurement Period" VisitDuringMP
  such that NoBloodGlucoseTest.authorDatetime during VisitDuringMP.relevantPeriod
  where NoBloodGlucoseTest.negativeRationale in "Patient Reason"

```

SHOW RESULT

```

Define "Patient is Pregnant at Encounter":
  exists ([Diagnosis]: "Pregnancy") PregnancyDiagnosis
  with "Encounter During Measurement Period" VisitDuringMP
  such that PregnancyDiagnosis.prevalencePeriod overlaps after
  VisitDuringMP.relevantPeriod
}

```

SHOW RESULT

```

Define "Patient Has Active Diabetes Diagnosis at Encounter":
  exists ([Diagnosis]: "Diabetes")
  union ([Diagnosis]: "Diabetes mellitus due to underlying condition without
  complications") } DiabetesDiagnosis
  with "Encounter During Measurement Period" VisitDuringMP
  such that DiabetesDiagnosis.prevalencePeriod overlaps after
  VisitDuringMP.relevantPeriod

```

SHOW RESULT

✓	IPPFail Age1DuringMP	PASS >
✓	IPPFail EnoBeforeAndAfterMP	PASS >
✓	IPPFail EnoBeforeMP	PASS >
✓	IPPFail OneEnoDuringMP	PASS >
✓	IPPFail PrevEnoBeforeMPEnoDuri ngMP	PASS >
✓	IPPFail Preventive1DayAfterMP	PASS >
✓	IPPFail PreventiveEnoAfterMP	PASS >
✓	NumFail Lab>3YearsBeforeMP	PASS >
✓	NumFail LabAfterMP	PASS >
✓	NumPass LabFGMolesPerVol	PASS >
✓	NumPass LabFPGMassPerVol	PASS >
✓	NumPass LabGlucoseMassPerVol	PASS >
✓	NumPass LabGlucoseMolesPerVol	PASS >
✓	NumPass LabHbA1c	PASS >

```

define "Hospice During Measurement Period":
  exists ( ["Encounter, Performed": "Encounter Inpatient"] DischargeHospice
    where ( DischargeHospice.dischargeDisposition as Code ~ "Discharge to home for hospice care (procedure)"
      or DischargeHospice.dischargeDisposition as Code ~ "Discharge to healthcare facility for hospice care (procedure)"
    )
    and DischargeHospice.relevantPeriod ends during "Measurement Period"
  )
  or exists ( ["Intervention, Order": "Hospice care ambulatory"] HospiceOrder
    where HospiceOrder.authorDatetime during "Measurement Period"
  )
  or exists ( ["Intervention, Performed": "Hospice care ambulatory"] HospicePerformed
    where HospicePerformed.relevantPeriod overlaps "Measurement Period"
  )

```

SHOW RESULT

```

define "Palliative Care During Measurement Period":
  exists ( ["Intervention, Order": "Palliative or Hospice Care"] PalliativeCareOrdered
    where PalliativeCareOrdered.authorDatetime during "Measurement Period"
  )
  or exists ( ["Intervention, Performed": "Palliative or Hospice Care"] PalliativeCarePerformed
    where PalliativeCarePerformed.relevantPeriod overlaps "Measurement Period"
  )

```

SHOW RESULT

```

define "Comfort Measures During Measurement Period":
  exists ( ["Intervention, Order": "Comfort Measures"] ComfortMeasuresOrdered
    where ComfortMeasuresOrdered.authorDatetime during "Measurement Period"
  )
  or exists ( ["Intervention, Performed": "Comfort Measures"] ComfortMeasuresPerformed
    where ComfortMeasuresPerformed.relevantPeriod overlaps "Measurement Period"
  )

```

SHOW RESULT

```

define "Highest BMI Documented During Measurement Period":
  Max("BMI Performed at Encounter During Measurement Period")

```

SHOW RESULT

```

define "Highest BMI Documented During Measurement Period is Greater Than or Equal to 25":
  "Highest BMI Documented During Measurement Period" >= 25.0

```

SHOW RESULT

```

define "Fasting Plasma Glucose Test Performed Within Past 3 Years":
  ( ["Laboratory Test, Performed": "Fasting Plasma Glucose Lab Test Mass Per Volume"]
    FastingGlucoseTestMass
    where FastingGlucoseTestMass.relevantDatetime 3 years or less before
      end of "Measurement Period"
    and FastingGlucoseTestMass.result is not null
  )
  union ( ["Laboratory Test, Performed": "Fasting glucose [moles/volume] in Serum or Plasma"]
    FastingGlucoseTestMoles
    where FastingGlucoseTestMoles.relevantDatetime 3 years or less before
      end of "Measurement Period"
    and FastingGlucoseTestMoles.result is not null
  )

```

SHOW RESULT

```

define "Two Hour Plasma Glucose During 75 Gram Oral Glucose Tolerance Test Performed Within Past 3 years":
  ( ["Laboratory Test, Performed": "Glucose [mass/volume] in Serum or Plasma --2 hours post 75 g glucose PO"]
    OralGlucoseTestMass
    where OralGlucoseTestMass.relevantDatetime 3 years or less before
      end of "Measurement Period"
    and OralGlucoseTestMass.result is not null
  )
  union ( ["Laboratory Test, Performed": "Glucose [moles/volume] in Serum or Plasma --2 hours post 75 g glucose PO"]
    OralGlucoseTestMoles
    where OralGlucoseTestMoles.relevantDatetime 3 years or less before
      end of "Measurement Period"
    and OralGlucoseTestMoles.result is not null
  )

```

SHOW RESULT

[illegible]