

## MEASURE DETAILS



## RETESTING OF ABNORMAL BLOOD GLUCOSE IN PATIENTS WITH PREDIABETES

Percentage of patients aged 18 years and older who had an abnormal fasting plasma glucose, oral glucose tolerance test, or hemoglobin A1c result in the range of prediabetes in the previous year who have a blood glucose test performed in the one-year measurement period

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 "Prediabetes Blood Glucose Test Results Within Year Prior to Measurement
  Period"
```

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 "Blood Glucose Test Performed During Measurement Period"
```

SHOW RESULT

Denominator Exception:

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

SHOW RESULT

TEST PA

QRDA

EXCEL



PASS

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% COVERAGE

✓	DenExPass DiabetesDuringMP	PASS >
✓	DenExPass DiabetesWithoutComplDu ringMP	PASS >
✓	DenExPass OrderComfortDuringMP	PASS >
✓	DenExPass OrderHoopAmDuringMP	PASS >
✓	DenExPass OrderPalliativeDuringMP	PASS >
✓	DenExPass PerformComfortDuringMP	PASS >
✓	DenExPass PerformHoopAmbDiatHo me	PASS >
✓	DenExPass PerformHoopAmbDuring MP	PASS >
✓	DenExPass PerformPalliativeDuringM P	PASS >
✓	DenExPass PregnancyDuringMP	PASS >
✓	DenExcepPass LabFGMolesPerVolPtRefu se	PASS >
✓	DenExcepPass LabFPGMolesPerVolPtRef use	PASS >
✓	DenExcepPass LabGlucoseMolesPerVolPt Refuse	PASS >
✓	DenExcepPass LabGlucoseMolePerVolPt Refuse	PASS >
✓	DenExcepPass LabHbA1cPtRefuse	PASS >
✓	DenFail Lab>12PriorMP	PASS >
✓	DenFail LabAfterEno	PASS >
✓	DenFail LabAfterMP	PASS >
✓	DenFail NoLab	PASS >

# Definitions:

```

define "Preventive Visit During Measurement Period":
  ([ "Encounter, Performed": "Annual Wellness Visit" ]
  union [ "Encounter, Performed": "Preventive Care Services - Established Office Visit, 15 and Up" ]
  union [ "Encounter, Performed": "Preventive Care Services - Other" ]
  union [ "Encounter, Performed": "Preventive Care Services-Initial Office Visit, 15 and Up" ] ) PreventiveVisit
  where PreventiveVisit.relevantPeriod during "Measurement Period"

```

SHOW RESULT

```

define "A1c Test Performed During Measurement Period":
  [ "Laboratory Test, Performed": "HbA1c Laboratory Test" ] HbA1cTest
  where HbA1cTest.relevantDatetime during "Measurement Period"
  and HbA1cTest.result is not null

```

SHOW RESULT

```

define "Two Hour Plasma Glucose During 75 Gram Oral Glucose Tolerance Test Performed During Measurement Period":
  ([ "Laboratory Test, Performed": "Glucose [Mass/volume] in Serum or Plasma --2 hours post 75 g glucose PO" ] OralGlucoseTestMass
  where OralGlucoseTestMass.relevantDatetime during "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 during "Measurement Period"
  and OralGlucoseTestMoles.result is not null
  )

```

SHOW RESULT

```

define "Fasting Plasma Glucose Test Performed During Measurement Period":
  ([ "Laboratory Test, Performed": "Fasting Plasma Glucose Lab Test Mass Per Volume" ] FastingGlucoseTestMass
  where FastingGlucoseTestMass.relevantDatetime during "Measurement Period"
  and FastingGlucoseTestMass.result is not null
  )
  union ([ "Laboratory Test, Performed": "Fasting glucose [Moles/volume] in Serum or Plasma" ] FastingGlucoseTestMoles
  where FastingGlucoseTestMoles.relevantDatetime during "Measurement Period"
  and FastingGlucoseTestMoles.result is not null
  )

```

SHOW RESULT

```

define "Blood Glucose Test Performed During Measurement Period":
  "A1c Test Performed During Measurement Period"
  union "Two Hour Plasma Glucose During 75 Gram Oral Glucose Tolerance Test Performed During Measurement Period"
  union "Fasting Plasma Glucose Test Performed 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 "A1c Test Performed Year Prior to Measurement Period and Results in Prediabetes Range":
  [ "Laboratory Test, Performed": "HbA1c Laboratory Test" ] PriorHbA1cTest
  where PriorHbA1cTest.resultDatetime 12 months or less before start of "Measurement Period"
  and PriorHbA1cTest.result included in interval[5.7 "%", 6.4 "%"]

```

SHOW RESULT

✓ IPFFail Age<18	PASS >
✓ IPFFail Age<18onJan1	PASS >
✓ IPFFail EnoAfterMP	PASS >
✓ IPFFail EnoBefore&AfterMP	PASS >
✓ IPFFail EnoBefore&DuringMP	PASS >
✓ IPFFail EnoDuring&AfterMP	PASS >
✓ IPFFail OneEnoDuringMP	PASS >
✓ NumPcco LabFGMolesPerVolDurinMP	PASS >
✓ NumPcco LabFGMMeasPerVolDurinMP	PASS >
✓ NumPcco LabGlucoseMeasPerVolDurinMP	PASS >
✓ NumPcco LabGlucoseMolesPerVolDurinMP	PASS >
✓ NumPcco LabHbA1cDurinMP	PASS >

```

define "Fasting Plasma Glucose Test Performed Year Prior to Measurement Period and
Results in Prediabetes Range":
  ( ["Laboratory Test, Performed": "Fasting Plasma Glucose Lab Test Mass Per Volume"]
  PriorFastingGlucoseTestMass
    where PriorFastingGlucoseTestMass.resultDatetime 12 months or less before start of
    "Measurement Period"
    and PriorFastingGlucoseTestMass.result included in Interval[180 "mg/dL", 125
    "mg/dL"]
  )
  union ( ["Laboratory Test, Performed": "Fasting glucose [Moles/volume] in Serum or
  Plasma"] PriorFastingGlucoseTestMoles
    where PriorFastingGlucoseTestMoles.resultDatetime 12 months or less before start
    of "Measurement Period"
    and PriorFastingGlucoseTestMoles.result included in Interval[5.6 "mmol/L", 6.9
    "mmol/L"]
  )

```

SHOW RESULT

```

define "Two Hour Plasma Glucose During 75 Gram Oral Glucose Tolerance Test Performed
Year Prior to Measurement Period and Results in Prediabetes Range":
  ( ["Laboratory Test, Performed": "Glucose [Mass/volume] in Serum or Plasma --2 hours
  post 75 g glucose PO"] PriorOralGlucoseTestMass
    where PriorOralGlucoseTestMass.resultDatetime 12 months or less before start of
    "Measurement Period"
    and PriorOralGlucoseTestMass.result included in Interval[140 "mg/dL", 199
    "mg/dL"]
  )
  union ( ["Laboratory Test, Performed": "Glucose [Moles/volume] in Serum or Plasma --2
  hours post 75 g glucose PO"] PriorOralGlucoseTestMoles
    where PriorOralGlucoseTestMoles.resultDatetime 12 months or less before start of
    "Measurement Period"
    and PriorOralGlucoseTestMoles.result included in Interval[7.8 "mmol/L", 11.0
    "mmol/L"]
  )

```

SHOW RESULT

```

define "Prediabetes Blood Glucose Test Results Within Year Prior to Measurement Period":
  "A1c Test Performed Year Prior to Measurement Period and Results in Prediabetes Range"
  union "Fasting Plasma Glucose Test Performed Year Prior to Measurement Period and
  Results in Prediabetes Range"
  union "Two Hour Plasma Glucose During 75 Grams Oral Glucose Tolerance Test Performed
  Year Prior to Measurement Period and Results in Prediabetes Range"

```

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"] ) NoGlucoseTest
  with "Encounter During Measurement Period" VisitDuringMP
  such that NoGlucoseTest.authorDatetime during VisitDuringMP.relevantPeriod
  where NoGlucoseTest.negativeRationale in "Patient Reason"

```

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

SHOW RESULT

```
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 "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

```
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 "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



[illegible]