# EENT – Bonnie Testing

EENT BONNIE Testing – Summary of Test Data

| Measure Number | Patient Test Bank | Percentage Test Coverage | Patient Details | Measurement Details | Data Criteria Details | Risk Adjustment Details | Percent Successful | Testing Summary Results Capture All Data |
|---|---|---|---|---|---|---|---|---|
| 0565 | 22 | 15% | Y | Y | Y | N/A | 100% | Y |
| 0564 | 20 | 23% | Y | Y | Y | N/A | 100% | Y |
| 0086 | 19 | 100% | Y | Y | Y | N/A | 100% | Y |
| 0088 | 20 | 100% | Y | Y | Y | N/A | 100% | Y |
| 0089 | 24 | 95% | Y | Y | Y | N/A | 100% | Y |
| 1354 | 17 | 100% | Y | Y | Y | N/A | 100% | Y |

**Evaluation Summary**

The NQF eMeasure review team reviewed BONNIE testing data submitted by AMA-PCPI and the CDC for the six measures listed in the chart above. Each section of the measure testing was evaluated based on the guidance detailed below and was determined to have satisfied the criteria described in each section.

**Percent Test Coverage**

Indicates the percentage of the measure logic that has evaluated to true for the patient test deck. This measure provides a method for determining how much of the logic has been tested

**Patient Details**

This section describes each test patient and is an overview of the measure Population Criteria. Each test patient should have a unique identifier (Case Number), what part of the measure component they comprise (Initial Patient Population, Denominator, Denominator Exclusion, Numerator, and Numerator Exclusions); their Last and First Name, and elements, including Ethnicity, Race and Sex.

**Measurement Details**

Within this section, the developer needs to identify both the Test Procedure Performed in BONNIE, as well as the measure logic description of the Initial Patient Population. They will also need to fill out information that corresponds to the measure logic in the Population Criteria section of the measure, describing the logic statements that identify the measure population. The logic statements include the denominator, denominator exclusions, numerator, numerator exclusions, and denominator exceptions.

**Data Criteria Details**

This section details each component of the logic describing QDM Variables and QDM Data Elements. The logic statements described by QDM Variables define activities associated with the measure's QDM Data Elements, including timing and occurrence.

**Risk Adjustment Variables**

If the measure to be tested contains risk adjustment variables, include the logic statements describing these criteria.

**Percent Successful**

Indicate the percent of patients currently meeting expectations for the measure.

**Results (Completing the Testing Summary)**

The summary should include individual logic statements for each section outlined above and indicate if the test patient fulfilled each statement or not. The simulated test bank of patients should be specified much like a real world test bank of patients, not all patients will satisfy all conditions of the measure. Some patients will not be included in the initial patient population, some may be excluded or excepted from the measurement population, or be unable to satisfy the data criteria. The summary should also indicate if the patient satisfied each logic statement and summarize the actual and expected results for each patient. The summary should include individual logic statements for each section outlined above and indicate if the test patient fulfilled each statement or not. The simulated test bank of patients should be specified much like a real world test bank of patients, not all patients will satisfy all conditions of the measure. Some patients will not be included in the initial patient population, some may be excluded or excepted from the measurement population, or be unable to satisfy the data criteria. The summary should also indicate if the patient satisfied each logic statement and summarize the actual and expected results for each patient.

**NQF 0565 Bonnie Output, Screen Shots and Excel Summary**
*Cataracts: 20/40 or Better Visual Acuity within 90 Days Following Cataract Surgery*

| **☰ MEASURES** ⬇ | | **⬆ UPLOAD** | **EXPECTED** | **STATUS** | **TEST PATIENTS** | |
|---|---|---|---|---|---|---|
| Cataracts: 20/40 or Better Visual Acuity within 90 Days Following Cataract Surgery | CMS133v3 | ⟳ UPDATE | 100 | PASS | 22 /22 | 👤+ |

## BONNIE: TEST PATIENT RESULTS BY MEASURE

| RESULT | CATEGORY |
|---|---|
| **PASS** | 22/22 |
| 100% | Passing |
| 15% | Coverage |

## PASS: TESTArnold, Zelda  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTBernard, Young  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTDugger, Wade  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTEldridge, Veronica  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTFranklin, Udi  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTHandler, Seth  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTJackson, Quin QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTKessington, Penelope QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTNolan, Manny QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOppenheimer, Linda QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTPaulson, Keith QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTQuasay, Jane QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTRutenbeck, Ian QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTSalinger, Hilda](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTTrotsky, George](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTUnderhill, Fergie](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTVance, Edward](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTGermaine, Trudie  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTIngrahm, Rianne  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTMadison, Nina  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTWest, Denise  QRDA

| Status | Population | Expected | Actual |
|:---:|:---|:---:|:---:|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 1 | 1 |
| ✔ | DENEXCEP | 0 | 0 |

## PASS: **TESTLightner, Otis** `QRDA`

| Status | Population | Expected | Actual |
|:---:|:---|:---:|:---:|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 1 | 1 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

**Summary of Patient Test Cases in Excel**

| Case # | Age | Procedure, Performed: Cataract Surgery | Denominator Exclusion | Physical Exam with Vision Acuity Result | IP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 1 during MP, >92 days before end of MP | (none) | Physical Exam w/Vision Acuity Result of 20/40 or Better <90 days starts after end of Procedure | N | N | N | N | N/A |
| 2 | 18 | 0 during MP | | | N | N | N | N | N/A |
| 3 | 25 | 1 after MP | | | N | N | N | N | N/A |
| 4 | 30 | 1 during MP, =92 days before end of MP | | | N | N | N | N | N/A |
| 5 | 35 | 1 during MP, <92 days before end of MP | (none) | | N | N | N | N | N/A |
| 6 | 40 | 1 <92 day(s) before start of MP | Active Corneal Edema starts during Procedure | | Y | Y | N | N | N/A |
| 7 | 45 | 1 during MP, >92 days before end of MP | Active Scleritis and Episcleritis starts after Procedure | | Y | Y | N | N | N/A |
| 8 | 50 | 1 during MP, >92 days before end of MP | Active Diabetic Macular Edema ends before start of Procedure | Physical Exam w/Vision Acuity Result of 20/40 or Better <90 days starts after end of Procedure | Y | Y | N | Y | N/A |
| 9 | 55 | 1 during MP, >92 days before end of MP | Active Uveitis starts after Procedure | | Y | Y | N | N | N/A |
| 10 | 60 | 1 during MP, >92 days before end of MP | Active Progressive External Ophthaloplegia overlaps Procedure | | Y | N | Y | N | N/A |
| 11 | 65 | 1 during MP, >92 days before end of MP | Active Pathologic Myopia overlaps Procedure | | Y | N | Y | N | N/A |
| 12 | 70 | 1 during MP, >92 days before end of MP | Active Optic Neuritis overlaps Procedure | Physical Exam w/Vision Acuity Result of 20/40 or Better <90 days starts after end of Procedure | Y | N | Y | N | N/A |
| 13 | 75 | 1 during MP, >92 days before end of MP | Active Cloudy Cornea overlaps Procedure | | Y | N | Y | N | N/A |
| 14 | 80 | 1 during MP, >92 days before end of MP | Active Amblyopia overlaps Procedure | | Y | N | Y | N | N/A |
| 15 | 85 | 1 during MP, >92 days before end of MP | (none) | (none) | Y | Y | N | N | N/A |
| 16 | 90 | 1 during MP, >92 days before end of MP | (none) | Physical Exam with Best Corrected Vision Acuity Result Worse than 20/40 <90 starts after end of Procedure | Y | Y | N | N | N/A |
| 17 | 20 | 1 during MP, >92 days before end of MP | (none) | Physical Exam with Best Corrected Vision Acuity Result of 20/40 or Better within MP before Procedure | Y | Y | N | N | N/A |
| 18 | 25 | 1 during MP, >92 days before end of MP | (none) | Physical Exam with Best Corrected Vision Acuity Result of 20/40 or Better >90 days starts after end of Procedure | Y | Y | N | N | N/A |
| 19 | 30 | 1 during MP, >92 days before end of MP | (none) | Physical Exam with Best Corrected Vision Acuity Result of 20/40 or Better =90 days starts after end of Procedure | Y | Y | N | Y | N/A |

| Case # | Age | Procedure, Performed: Cataract Surgery | Denominator Exclusion | Physical Exam with Vision Acuity Result | IP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|
| 20 | 35 | 1 during MP, >92 days before end of MP | (none) | Physical Exam with Best Corrected Vision Acuity Result of 20/40 or Better <90 days starts after end of Procedure | Y | Y | N | Y | N/A |
| 21 | 40 | 2 during MP, 1 procedure >92 days before end of MP and 1 procedure <92 days before end of MP | (none) | Physical Exam with Best Corrected Vision Acuity Result <90 days starts after end of second Procedure | Y/N | Y/N | N/N | N/N | N/A |
| 22 | 45 | 2 during MP, both procedures >92 before end of MP | (none) | 1st Physical Exam w/Poor Vision Acuity Result of worse than 20/40 <90 days starts after end of Procedure; 2nd Physical Exam w/Vision Acuity Result Better than 20/40 <90 days starts after end of Procedure | Y/Y | Y/Y | N/N | N/Y | N/A |

**NQF 0564 Bonnie Output, Screen Shots and Excel Summary**
*Cataracts: Complications within 30 Days Following Cataracts Surgery Requiring Additional Surgical Procedures*

| ≣ MEASURES ⬇ | | ⬆ UPLOAD | EXPECTED | STATUS | TEST PATIENTS | |
|---|---|---|---|---|---|---|
| Cataracts: Complications within 30 Days Following Cataract Surgery Requiring Additional Surgical Procedures | CMS132v3 | ⟳ UPDATE | 100 | PASS | 20 /20 | ⛊+ |

## BONNIE: TEST PATIENT RESULTS BY MEASURE

| RESULT | CATEGORY |
|---|---|
| **PASS**<br>100%<br>23% | 20/20<br>Passing<br>Coverage |

## PASS: TESTArnold, Zelda  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTEldridge, Veronica  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTGermaine, Trudie [QRDA]

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTJackson, Quin [QRDA]

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTClay, Xander [QRDA]

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTDugger, Wade [QRDA]

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTFranklin, Udi  `QRDA`

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTHandler, Seth  `QRDA`

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTIngrahm, Rianne  `QRDA`

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTKessington, Penelope  `QRDA`

| Status | Population | Expected | Actual |
|---|---|---|---|

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTLutz, Ophelia  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTLightner, Otis  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTMadison, Nina  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOscar, Lucy QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOlsen, Lana QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOswald, Laney QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOppenheimer, Linda QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTPaulson, Keith  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTPendelton, Karen  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 1 | 1 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTBernard, Young  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

# Summary of Patient Test Cases in Excel

| Case | Age | Occurrence A: Procedure, Performed (Cataract Surgery) | Denominator Exclusions | Numerator | IP | Denom | Den Excl | Num | Den Exception |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 16 | 1 during MP | (none) | Procedure performed (<=30 days after cataract surgery procedure) | N | N | N | N | n/a |
| 2 | 18 | 0 during MP | (none) | (none) | N | N | N | N | n/a |
| 3 | 19 | 1 before MP | (none) | Procedure performed (<=30 days after cataract surgery procedure) | N | N | N | N | n/a |
| 4 | 24 | 1 after MP | (none) | (none) | N | N | N | N | n/a |
| 5 | 29 | 1 during MP | Prior Pars Plana Vitrectomy ends after cataract surgery procedure | (none) | Y | Y | N | N | n/a |
| 6 | 49 | 1 during MP | Occurrence A of Diagnosis, Active: Cloudy Cornea starts during cataract surgery procedure | (none) | Y | Y | N | N | n/a |
| 7 | 54 | 1 during MP | Occurrence A of Diagnosis, Active: Pseudoexfoliation Syndrome starts before the start of cataract surgery procedure | (none) | Y | Y | Y | N | n/a |
| 8 | 64 | 1 during MP | Occurrence A of Diagnosis, Active: Corneal Edema starts after the start of cataract surgery procedure | (none) | Y | Y | N | N | n/a |
| 9 | 39 | 1 during MP | Prior Pars Plana Vitrectomy ends during cataract surgery procedure | (none) | Y | Y | N | N | n/a |
| 10 | 34 | 1 during MP | Prior Pars Plana Vitrectomy ends before cataract surgery procedure | (none) | Y | Y | Y | N | n/a |
| 11 | 44 | 1 during MP | Occurrence A of Diagnosis, Active: Central Corneal Ulcer starts before the start of cataract surgery procedure | (none) | Y | Y | Y | N | n/a |

| Case | Age | Occurrence A: Procedure, Performed (Cataract Surgery) | Denominator Exclusions | Numerator | IP | Denom | Den Excl | Num | Den Exception |
|------|-----|------|------|------|------|------|------|------|------|
| 12 | 59 | 1 during MP | Occurrence A of Medication, Active: Use of Systemic Sympathetic alpha-1a Antagonist Medication for Treatment of Prostatic Hypertrophy ends before the start of cataract surgery procedure | (none) | Y | Y | N | N | n/a |
| 13 | 59 | 1 during MP | Occurrence A of Medication, Active: Use of Systemic Sympathetic alpha-1a Antagonist Medication for Treatment of Prostatic Hypertrophy starts before the start of cataract surgery procedure | (none) | Y | Y | Y | N | n/a |
| 14 | 79 | 1 during MP | Occurrence A of Diagnosis, Active: Traumatic Cataract starts before the start of cataract surgery procedure | Procedure performed (<=30 days starts after cataract surgery procedure) | Y | Y | Y | N | n/a |
| 15 | 89 | 1 during MP | (none) | None | Y | Y | N | N | n/a |
| 16 | 89 | 1 during MP | (none) | Procedure performed (<=30 days starts after cataract surgery procedure) | Y | Y | N | Y | n/a |
| 17 | 89 | 1 during MP | (none) | Procedure performed (=30 days starts after cataract surgery procedure) | Y | Y | N | Y | n/a |
| 18 | 94 | 1 during MP | (none) | Procedure performed (>30 days starts after procedure cataract surgery within the MP) | Y | Y | N | N | n/a |
| 19 | 94 | 2 during MP | Occurrence A of Diagnosis, Active: Traumatic Cataract starts after cataract surgery procedure 1 and before the start of cataract surgery procedure 2 | 2 Procedures performed (<=30 days starts after cataract surgery procedure) | Y/ Y | Y/ Y | N/ Y | Y/ N | n/a |

## NQF 0086 Bonnie Output, Screen Shots and Excel Summary
### *Primary Open-Angle Glaucoma: Optic Nerve Evaluation*

| ≡ MEASURES ⬇ | | ⬆ UPLOAD | EXPECTED | STATUS | TEST PATIENTS |
|---|---|---|---|---|---|
| Primary Open-Angle Glaucoma (POAG): Optic Nerve Evaluation | CMS143v3 | ⟳ UPDATE | 100 | PASS | 19 /19  &+ |

## BONNIE: TEST PATIENT RESULTS BY MEASURE

| RESULT | CATEGORY |
|---|---|
| **PASS** | 19/19 |
| 100% | Passing |
| 100% | Coverage |

### PASS: **TESTArnold, Zelda**  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

### PASS: **TESTClay, Xander**  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

### PASS: **TESTEldridge, Veronica**  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTFranklin, Udi  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTGermaine, Trudie  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTKessington, Penelope  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTSalinger, Hilda  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTTrotsky, George QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTJackson, Quin QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTLightner, Otis QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTNolan, Manny QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |

| Status | | Population | Expected | Actual |
|---|---|---|---|---|
| ✓ | | DENOM | 1 | 1 |
| ✓ | | DENEX | 0 | 0 |
| ✓ | | NUMER | 1 | 1 |
| ✓ | | DENEXCEP | 0 | 0 |

## PASS: TESTQuasay, Jane QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTUnderhill, Fergie QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTVance, Edward QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTWest, Denise QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTPaulson, Keith QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTRutenbeck, Ian QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTXiao, Curtis QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOppenheimer, Linda QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| | | | |
|---|---|---|---|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

**Summary of Patient Test Cases in Excel**

| Case # | Age | Encounter | POAG | Diagnostic Study, Result | Exception | IP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 1 during | POAG active before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) during encounter<br>Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) during encounter | \<none\> | N | N | n/a | N | N |
| 2 | 25 | 1 before MP | POAG active before Occurrence A Encounter, Performed | \<none\> | \<none\> | N | N | n/a | N | N |
| 3 | 35 | 1 after MP | POAG active before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) during encounter<br>Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) during encounter | \<none\> | N | N | n/a | N | N |
| 4 | 40 | 1 during | \<none\> | \<none\> | \<none\> | N | N | n/a | N | N |
| 5 | 45 | 1 during | POAG ends before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) during encounter<br>Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) during encounter | \<none\> | N | N | n/a | N | N |
| 6 | 60 | 1 during | POAG starts after Occurrence A Encounter, Performed during MP | Diagnostic Study, Result: Cup to Disc Ratio (result) during encounter<br>Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) during encounter | \<none\> | N | N | n/a | N | N |
| 7 | 65 | 1 during | POAG active before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) before encounter<br>Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) before encounter | \<none\> | Y | Y | n/a | N | N |
| 8 | 70 | 1 during | POAG active before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) after encounter encounter<br>Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) after encounter | \<none\> | Y | Y | n/a | N | N |
| 9 | 80 | 1 during | POAG active before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) during encounter<br>Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) during encounter | Medical Reason (optic disc exam for structural abnormalities) during encounter | Y | Y | n/a | Y | N |

| Case # | Age | Encounter | POAG | Diagnostic Study, Result | Exception | IP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 85 | 1 during | POAG active before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) after encounter encounter Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) after encounter | Medical Reason (cup to disc ratio) after encounter Medical Reason (optic disc exam for structural abnormalities) after encounter | Y | Y | n/a | N | N |
| 11 | 90 | 1 during | POAG active before Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) before encounter Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) before encounter | Medical Reason (optic disc exam for structural abnormalities) starts during encounter | Y | Y | n/a | N | Y |
| 12 | 20 | 1 during | POAG starts during Occurrence A Encounter, Performed | <none> | Medical Reason (cup to disc ratio) during encounter | Y | Y | n/a | N | Y |
| 13 | 25 | 1 during | POAG starts during Occurrence A Encounter, Performed | <none> | Medical Reason (cup to disc ratio) before encounter | Y | Y | n/a | N | N |
| 14 | 30 | 1 during | POAG starts during Occurrence A Encounter, Performed | <none> | <none> | Y | Y | n/a | N | N |
| 15 | 35 | 1 during | POAG starts during Occurrence A Encounter, Performed | Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities during encounter | <none> | Y | Y | n/a | N | N |
| 16 | 40 | 1 during | POAG starts during Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) during encounter | <none> | Y | Y | n/a | N | N |
| 17 | 45 | 1 during | POAG starts during Occurrence A Encounter, Performed | <none> | Medical Reason (optic disc exam for structural abnormalities) during encounter | Y | Y | n/a | N | Y |
| 18 | 55 | 1 during | POAG starts during Occurrence A Encounter, Performed | Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) before encounter | Medical Reason (cup to disc) during encounter | Y | Y | n/a | Y | Y |
| 19 | 60 | 1 during | POAG starts during Occurrence A Encounter, Performed | Diagnostic Study, Result: Cup to Disc Ratio (result) during encounter Diagnostic Study, Result: Optic Disc Exam for Structural Abnormalities (result) during encounter | <none> | Y | Y | n/a | Y | N |

## NQF 0088 Bonnie Output, Screen Shots and Excel Summary
*Diabetic Retinopathy: Documentation of Presence or Absence of Macular Edema*

| ≣ MEASURES ⬇ | | ⬆ UPLOAD | EXPECTED | STATUS | TEST PATIENTS |
|---|---|---|---|---|---|
| Diabetic Retinopathy: Documentation of Presence or Absence of Macular Edema and Level of Severity of Retinopathy | CMS167v3 | ⟳ UPDATE | 100 | PASS | 20 /20  👤+ |

## BONNIE: TEST PATIENT RESULTS BY MEASURE

| RESULT | CATEGORY |
|---|---|
| **PASS** | 20/20 |
| 100% | Passing |
| 100% | Coverage |

## PASS: TESTBernard, Young  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTFranklin, Udi  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTJackson, Quin  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTKessington, Penelope QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTVance, Edward QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTZamora, Abel QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTBurns, Yosef QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTSalinger, Hilda  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTGermaine, Trudie  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTMiller, Natalia  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOppenheimer, Linda  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTArnt, Zoella](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTCunningham, Xena](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTEldridge, Veronica](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTNolan, Manny](#) QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| | Status | Population | Expected | Actual |
|---|---|---|---|---|
| ✓ | | DENOM | 1 | 1 |
| ✓ | | DENEX | 0 | 0 |
| ✓ | | NUMER | 0 | 0 |
| ✓ | | DENEXCEP | 0 | 0 |

## PASS: **TESTPaulson, Keith** QRDA

| | Status | Population | Expected | Actual |
|---|---|---|---|---|
| ✓ | | IPP | 1 | 1 |
| ✓ | | DENOM | 1 | 1 |
| ✓ | | DENEX | 0 | 0 |
| ✓ | | NUMER | 0 | 0 |
| ✓ | | DENEXCEP | 0 | 0 |

## PASS: **TESTQuasay, Jane** QRDA

| | Status | Population | Expected | Actual |
|---|---|---|---|---|
| ✓ | | IPP | 1 | 1 |
| ✓ | | DENOM | 1 | 1 |
| ✓ | | DENEX | 0 | 0 |
| ✓ | | NUMER | 0 | 0 |
| ✓ | | DENEXCEP | 0 | 0 |

## PASS: **TESTWest, Denise** QRDA

| | Status | Population | Expected | Actual |
|---|---|---|---|---|
| ✓ | | IPP | 1 | 1 |
| ✓ | | DENOM | 1 | 1 |
| ✓ | | DENEX | 0 | 0 |
| ✓ | | NUMER | 0 | 0 |
| ✓ | | DENEXCEP | 0 | 0 |

## PASS: **TESTArnold, Zelda** QRDA

| | Status | Population | Expected | Actual |
|---|---|---|---|---|
| ✓ | | IPP | 0 | 0 |

| | | | |
|---|---|---|---|
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: [TESTMadison, Nina](#) `QRDA`

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

**Summary of Patient Test Cases in Excel**

| Case # | Age | Encounter | Diabetic Retinopathy | Diagnostic Study, Result: level of severity | Diagnostic Study, Result: macular edema "absent"/"present" | Denominator Exceptions | IP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | Macular Exam result macular edema "absent" during Encounter | none | N | N | N/A | N | N |
| 2 | 18 | (none) | Diabetic Retinopathy starts before MP | none | none | none | N | N | N/A | N | N |
| 3 | 30 | 1 before MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | Macular Exam result macular edema "absent" during Encounter | none | N | N | N/A | N | N |
| 4 | 35 | 1 after MP | Diabetic Retinopathy starts before Occ A Encounter | none | none | Medical Reason (Diagnostic Study, Performed not done) during Encounter | N | N | N/A | N | N |
| 5 | 40 | 1 during MP | (none) | Macular Exam with result level of severity during Encounter | Macular Exam result macular edema "absent" during Encounter | none | N | N | N/A | N | N |
| 6 | 55 | 1 during MP | Diabetic retinopathy ends before Occ A Encounter | none | none | Patient Reason (Diagnostic Study, Performed not done) during Encounter | N | N | N/A | N | N |
| 7 | 55 | 1 during MP | Diabetic Retinopathy starts after Occ A Encounter | none | none | none | N | N | N/A | N | Y |
| 8 | 70 | 1 during MP | Diabetic Retinopathy ends during Occ A Encounter | (none) | Macular Exam result macular edema "present" during Encounter | none | Y | Y | N/A | N | N |
| 9 | 70 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam level of severity result before Encounter | Macular Exam result macular edema "present" during Encounter | none | Y | Y | N/A | N | N |
| 10 | 75 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam level of severity result after Encounter | Macular Exam result macular edema "present" during Encounter | none | Y | Y | N/A | N | N |
| 11 | 80 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | (none) | none | Y | Y | N/A | N | N |
| 12 | 85 | 1 during MP | Diabetic Retinopathy starts before Occ A | Macular Exam with result level of | Macular exam result macular edema "absent" before | none | Y | Y | N/A | N | N |

| Case # | Age | Encounter | Diabetic Retinopathy | Diagnostic Study, Result: level of severity | Diagnostic Study, Result: macular edema "absent"/"present" | Denominator Exceptions | IP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Encounter | severity during Encounter | Encounter, performed | | | | | | |
| 13 | 90 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | Macular exam result macular edema "present" after Encounter, performed | none | Y | Y | N/A | N | N |
| 14 | 25 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | Macular Exam result macular edema "absent" during Encounter | none | Y | Y | N/A | Y | N |
| 15 | 40 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | none | none | Patient Reason (Diagnostic Study, Performed not done) before Encounter | Y | Y | N/A | N | N |
| 16 | 45 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | none | Medical Reason (Diagnostic Study, Performed not done) after Encounter | Y | Y | N/A | N | N |
| 17 | 60 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | none | none | Patient Reason (Diagnostic Study, Performed not done) during Encounter | Y | Y | N/A | N | Y |
| 18 | 65 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | Macular Exam result macular edema "present" during Encounter | Medical Reason (Diagnostic Study, Performed not done) during Encounter | Y | Y | N/A | Y | Y |
| 19 | 70 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam with result level of severity during Encounter | Macular Exam result macular edema "present" during Encounter | none | Y | Y | N/A | Y | N |
| 20 | 75 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter | Macular Exam, No Result, during Encounter | Macular Exam, No result, during Encounter | none | Y | Y | N/A | N | N |

## NQF 0089 Bonnie Output, Screen Shots and Excel Summary
*Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care*

| **≣ MEASURES** ⬇ | | **⬆ UPLOAD** | **EXPECTED** | **STATUS** | **TEST PATIENTS** | |
|---|---|---|---|---|---|---|
| Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care | CMS142v3 | **⟳ UPDATE** | 100 | PASS | 24 /24 | 👤+ |

## BONNIE: TEST PATIENT RESULTS BY MEASURE

| **RESULT** | **CATEGORY** |
|---|---|
| **PASS** | 24/24 |
| 100% | Passing |
| 95% | Coverage |

### PASS: TESTClay, Xander  [QRDA]

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

### PASS: TESTDugger, Wade  [QRDA]

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

### PASS: TESTJackson, Quin  [QRDA]

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTNolan, Manny  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTSalinger, Hilda  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTOppenheimer, Linda  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTBernard, Young  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTHandler, Seth QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTIngrahm, Rianne QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTLightner, Otis QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTMadison, Nina QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTTrotsky, George QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTQuasay, Jane QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTRutenbeck, Ian QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTVance, Edward QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTAcker, Zoe  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTArnold, Zelda  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTGermaine, Trudie  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 0 | 0 |
| ✓ | DENOM | 0 | 0 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTPaulson, Keith  QRDA

| Status | Population | Expected | Actual |
|---|---|---|---|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTUnderhill, Fergie  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 1 | 1 |
| ✓ | DENEXCEP | 0 | 0 |

## PASS: TESTWest, Denise  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTXiao, Curtis  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: TESTYoung, Beatrice  QRDA

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

## PASS: **TESTZillian, Aaron** `QRDA`

| Status | Population | Expected | Actual |
|--------|-----------|----------|--------|
| ✓ | IPP | 1 | 1 |
| ✓ | DENOM | 1 | 1 |
| ✓ | DENEX | 0 | 0 |
| ✓ | NUMER | 0 | 0 |
| ✓ | DENEXCEP | 1 | 1 |

**Summary of Patient Test Cases in Excel**

| Case # | Age | Encounter | Diabetic Retinopathy | Diagnostic Study, Performed | Communication from Provider to Provider | Denominator Exceptions | IPP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 1 during MP | Diabetic Retinopathy starts before Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings and Macular Edema Findings Present starts after Occ A Encounter, Performed | Communication: From Provider to Provider not done: Medical Reason for Macular Edema Findings Absent starts during Occ A Encounter, Performed | N | N | N/A | N | N |
| 2 | 18 | 0 during MP | Diabetic Retinopathy starts before Occ A Encounter, Performed | Macular Exam result during MP | | | N | N | N/A | N | N |
| 3 | 20 | 1 before MP | Diabetic Retinopathy starts before Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | | | N | N | N/A | N | N |
| 4 | 25 | 1 after MP | Diabetic Retinopathy starts before Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | | | N | N | N/A | N | N |
| 5 | 40 | 1 during MP | (none) | Macular Exam result during Occ A Encounter, Performed | | | N | N | N/A | N | N |
| 6 | 45 | 1 during MP | Diabetic Retinopathy ends before start of Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings and Macular Edema Findings Present starts after Occ A Encounter, Performed | | N | N | N/A | N | N |
| 7 | 50 | 1 during MP | Diabetic Retinopathy starts after MP | Macular Exam result during Occ A Encounter, Performed | | | N | N | N/A | N | N |
| 8 | 55 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | (none) | | | Y | N | N/A | N | N |
| 9 | 65 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result before Occ A Encounter, Performed | | | Y | N | N/A | N | N |
| 10 | 70 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result after Occ A Encounter, Performed | | | Y | N | N/A | N | N |
| 11 | 75 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | (none) | | Y | Y | N/A | Num | N |
| 12 | 80 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Macular Edema Findings Present during Occ A Encounter, Performed | | Y | Y | N/A | N | N |

| Case # | Age | Encounter | Diabetic Retinopathy | Diagnostic Study, Performed | Communication from Provider to Provider | Denominator Exceptions | IPP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 85 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings before Occ A and Macular Edema Findings Absent after Occ A | | Y | Y | N/A | N | N |
| 14 | 90 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings after Occ A and Macular Edema Findings Present before Occ A | | Y | Y | N/A | N | N |
| 15 | 20 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings and Macular Edema Findings Present before Encounter 1 | | Y | Y | N/A | N | N |
| 16 | 25 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings and Macular Edema Findings Present starts after Occ A Encounter, Performed | (none) | Y | Y | N/A | Y | N |
| 17 | 30 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | (none) | Communication: From Provider to Provider not done: Medical Reason for Macular Edema Findings Present before Occ A Encounter, Performed | Y | Y | N/A | N | N |
| 18 | 35 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings and Macular Edema Findings Present starts after Occ A Encounter, Performed | Communication: From Provider to Provider not done: Medical Reason for Macular Edema Findings Absent starts during Occ A Encounter, Performed | Y | Y | N/A | Y | N |
| 19 | 40 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | Communication: From Provider to Provider: Level of Severity of Retinopathy Findings and Macular Edema Findings Present starts after Occ A Encounter, Performed | Communication: From Provider to Provider not done: Medical Reason for Macular Edema Findings Absent starts after Occ A Encounter, Performed | Y | Y | N/A | Y | N |
| 20 | 45 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | (none) | Communication: From Provider to Provider not done: Patient Reason for Macular Edema Findings Absent starts after Occ A Encounter, Performed | Y | Y | N/A | N | Y |

| Case # | Age | Encounter | Diabetic Retinopathy | Diagnostic Study, Performed | Communication from Provider to Provider | Denominator Exceptions | IPP | Denom | Den Excl | Num | Den Expt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 50 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | (none) | Communication: From Provider to Provider not done: Medical Reason for Macular Edema Findings Present starts after Occ A Encounter, Performed | Y | Y | N/A | N | Y |
| 22 | 55 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | (none) | Communication: From Provider to Provider not done: Patient Reason for Macular Edema Findings Present starts after Occ A Encounter, Performed | Y | Y | N/A | N | Y |
| 23 | 60 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | (none) | Communication: From Provider to Provider not done: Medical Reason for Level of Severity of Retinopathy Findings starts after Occ A Encounter, Performed | Y | Y | N/A | N | Y |
| 24 | 65 | 1 during MP | Diabetic Retinopathy starts during Occ A Encounter, Performed | Macular Exam result during Occ A Encounter, Performed | (none) | Communication: From Provider to Provider not done: Patient Reason for Level of Severity of Retinopathy Findings starts after Occ A Encounter, Performed | Y | Y | N/A | N | Y |

# Testing Summary #1354

| 005 | 006 | 007 | 008 | 009 | 010 | 011 | 012 | 013 | 014 | 015 | 016 | 017 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| InIPP | InIPP | Left/RightReason | LeftReason | NoLeftScreen | NoRightScreen | NoRightScreen | NotExcludedFromDenom | NotExcludedFromDenom | NotExcludedFromDenom | Notin | RightReason | RightReason |
| LivebornInHospital | LivebornLivebirth | Not done | RightScreened | RightScreened | LeftScreened | NoLeftScreened | DiedAfterBothEarsScreened | DiedAfterLeftScreening | DiedAfterRightScreening | MeasurePeriod | LeftReason | LeftScreened |
| Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino | Not Hispanic or Latino |
| American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native | American Indian or Alaska Native |
| Male | Male | Male | Male | Male | Male | Male | Male | Male | Male | Male | Male | Male |
| Other | Other | Other | Other | Other | Other | Other | Other | Other | Other | Other | Other | Other |
| Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. No record of screening on left ear prior to discharge. No record of screening on right ear prior to discharge. | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Had an active diagnosis of Livebirth. No record of screening on left ear prior to discharge. No record of screening on right ear prior to discharge. | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Screening on left ear was not performed before discharge due to medicial reasons, but there is a result recorded Screening on right ear was not performed before discharge due to medical reasons, | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Screening on left ear was not performed before discharge due to medicial reasons, but there is a result recorded. Screening on right ear was performed before discharge and the result was either a PASS or | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Baby died during birth encounter. No record of screening on left ear prior to discharge. Screening on right ear was performed prior to discharge with a result of PASS or REFER. | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Baby died during birth encounter. Screening on left ear was performed prior to discharge with a result of PASS or REFER. No record of screening on right ear prior to discharge. | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Baby died during birth encounter. Screening on left ear was performed prior to discharge with a result of PASS or REFER. No record of screening on right ear prior to discharge. | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Baby had a discharge status of expired (but Living Status of Deceased is not checked and there is no date of death). No record of screening on left ear prior to discharge. No record of screening | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Baby had a discharge status of expired and date of death was recorded. Screening on left ear was performed prior to death. Screening on right ear was performed prior to death. NOTE: this | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Baby did not have a discharge status of expired but a date of death was recorded prior to discharge. Screening on left ear was performed prior to death. No record of screening on right | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Baby had a discharge status of expired and a date of death was recorded prior to discharge. No record of screening on left ear. Record of screening on right ear prior to death, but results were | Baby's birthdate is not in the MP and there is no information provided on the date of the encounter. There also is no information indicating if there was an active diagnosis of Liveborn Newborn Born in Hospital or Livebirth. | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Patient had a discharge status of Expired but no date of death was included. Screening on left ear was not performed before discharge due to medicial reasons. Screening on right ear was not | Baby was born and discharged during the MP. Had an active diagnosis of Liveborn Newborn Born in Hospital. Patient had a discharge status of Expired but no date of death was included. Screening of left ear was performed before death. Screening on right ear was not performed before discharge |
| See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots |
| See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots |
| See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots |
| See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots |

| See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots | See screen shots |
| See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab |
| See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab | See tab |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| excluded | 1 | Excluded | 1 | 1 | 1 | excluded | 1 | 1 | Excluded | N/A | Excluded | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | N/A | 0 | 1 |

## Data Criteria (QDM Variables)

- **$EncounterInpatient** =
  - "Encounter, Performed: Encounter Inpatient" satisfies all
    - (length of stay <= 120 day(s))
    - ends during "Measurement Period"

## Data Criteria (QDM Data Elements)

- "Diagnosis, Active: Livebirth" using "Livebirth SNOMEDCT Value Set (2.16.840.1.114222.4.1.214079.1.1.1)"
- "Diagnosis, Active: Liveborn Newborn Born in Hospital" using "Liveborn Newborn Born in Hospital Grouping Value Set (2.16.840.1.113762.1.4.1046.6)"
- "Diagnostic Study, Performed: Newborn Hearing Screen Left" using "Newborn Hearing Screen Left LOINC Value Set (2.16.840.1.114222.4.1.214079.1.1.3)"
- "Diagnostic Study, Performed: Newborn Hearing Screen Right" using "Newborn Hearing Screen Right LOINC Value Set (2.16.840.1.114222.4.1.214079.1.1.4)"
- "Diagnostic Study, Performed not done: Medical Reasons" using "Medical Reasons SNOMEDCT Value Set (2.16.840.1.114222.4.1.214079.1.1.7)"
- "Encounter, Performed: Encounter Inpatient" using "Encounter Inpatient SNOMEDCT Value Set (2.16.840.1.113883.3.666.5.307)"
- Attribute: "Result: Pass Or Refer" using "Pass Or Refer SNOMEDCT Value Set (2.16.840.1.114222.4.1.214079.1.1.6)"
- Attribute: "Discharge status: Patient Expired" using "Patient Expired SNOMEDCT Value Set (2.16.840.1.113883.3.117.1.7.1.309)"

## Supplemental Data Elements

- "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity CDCREC Value Set (2.16.840.1.114222.4.11.837)"
- "Patient Characteristic Payer: Payer" using "Payer SOP Value Set (2.16.840.1.114222.4.11.3591)"
- "Patient Characteristic Race: Race" using "Race CDCREC Value Set (2.16.840.1.114222.4.11.836)"
- "Patient Characteristic Sex: ONC Administrative Sex" using "ONC Administrative Sex AdministrativeGender Value Set (2.16.840.1.113762.1.4.1)"

## TEST PATIENTS ⚙

100  **PASS**  17 /17  👤+

100  **% COVERAGE**

📊 SHOW COVERAGE

✔ 👤 Baby BothScreened    **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 1 | 1 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

🕐 Measure Period: 2012    ☰ CMS31v3

## ☰ CMS31V3                                    ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

✔ **Initial Population:**                            ⌄

  ✔ **AND :** ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
  ✔ **AND :**

✔ UNION OF:
   ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
   ✖ Diagnosis, Active: Livebirth
   ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔Denominator:** ⌄

None

**✱Denominator Exclusions:** ⌄

✱ OR :
  ✱ AND :
    ✱ INTERSECTION OF:
      ✱ Occurrence A: $Occurrence A of $EncounterInpatient
      ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
  ✱ AND :
    ✔ AND NOT:
      ✔ UNION OF:
        ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
        ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
        ✔ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

**✔Numerator:** ⌄

✔ AND :
  ✔ UNION OF:
    ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
    ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
    ✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient
✔ AND :
  ✔ UNION OF:
    ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
    ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
    ✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:** ⌄

None

**Variables:** ⌄

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ( Length of Stay <= 120 days )
       ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
      ✔ ( Length of Stay <= 120 days )
      ✔ ends during "Measurement Period"

## 👤 TEST PATIENTS   ⚙

( 100 )   **PASS**   **17** /17   [👤+]

( 100 )   **% COVERAGE**

[📊 SHOW COVERAGE]

✔ 👤 Baby BothScreened   **PASS** ›

✔ 👤 ExcludedFromDenom Not ScreenedMedicalReasons   **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 1 | 1 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

🔆 Dashbo

⊙ Measure Period: 2012  ›  ≣ CMS31v3

## ≣ CMS31V3   ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✔

**✔ Initial Population:** ⌄

    ✔ **AND :** ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
    ✔ **AND :**
        ✔ **UNION OF:**
            ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
            ✖ Diagnosis, Active: Livebirth
        ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Denominator:** ⌄

None

---

**Variables:** ⌄

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ( Length of Stay <= 120 days )
        ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ✔ ( Length of Stay <= 120 days )
        ✔ ends during "Measurement Period"

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left ⌄

🕐 **START**

| 01/01/2012 | 12:00 PM |

🕐 **STOP**

| 01/01/2012 | 12:15 PM |

☐ UNDEFINED

**</> CODES**

LOINC: 54108-6 ✕

| Code Set ⌄ | -- ▾ | ➕ |

**📊 RESULT**

| ☰ Coded ⌄ | -- ▾ | ➕ |

📊 FIELD VALUE

**FIELD VALUE**

[ -- ▼ ]

[ ☰ Coded ▼ ] [ -- ▼ ] [ + ]

**REFERENCES**

[ -- ▼ ] [ -- ▼ ] [ + ]

☑ NOT PERFORMED

[ Medical Reasons ▼ ]

[ ⊖ ]

---

**Diagnostic Study Result:** Result: Newborn Hearing Screen Right      ⌄

**⏱ START**                          **⏱ STOP**

[ 01/01/2012 ] [ 12:15 PM ]      [ 01/01/2012 ] [ 12:30 PM ]

                                 ☐ UNDEFINED

**</> CODES**

LOINC: 54109-4 ✕

[ Code Set ▼ ] [ -- ▼ ] [ + ]

**RESULT**

[ ☰ Coded ▼ ] [ -- ▼ ] [ + ]

**FIELD VALUE**

[ -- ▼ ]

[ ☰ Coded ▼ ] [ -- ▼ ] [ + ]

**REFERENCES**

[ -- ▼ ] [ -- ▼ ] [ + ]

☑ NOT PERFORMED

[ Medical Reasons ▼ ]

[ ⊖ ]

## 👤 TEST PATIENTS   ⚙️

(100)   **PASS**   17 /17   👤+

(100)   **% COVERAGE**

📊 SHOW COVERAGE

✔ 👤 Baby BothScreened   **PASS** >

✔ 👤 ExcludedFromDenom Not ScreenedMedicalReasons   **PASS** >

✔ 👤 InDENEX DiedDuring-NoScreening   **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 1 | 1 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

### PATIENT HISTORY

| 👤 | ENCOUNTER | DATE | > |
|---|---|---|---|
| | Performed: Encounter Inpatient | 01/01/2012 – 01/02/2012 | |

| 🩺 | DIAGNOSIS | DATE | > |
|---|---|---|---|
| | Active: Liveborn Newborn Born in Hospital | 01/01/2012 – 01/01/2012 | |

**PATIENT DESCRIPTION**

Case Number: 003

**DATE OF BIRTH**

| 01/01/2012 | 10:00 AM |

**DATE OF DEATH** ⊗

| 01/02/2012 | 8:00 AM |

**RACE**

American Indian or Alaska Nativ ▾

**GENDER**

Male ▾

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## TEST PATIENTS ⚙

**100** **PASS** **17** /17 👤+

**100** **% COVERAGE**

📊 SHOW COVERAGE

✔👤 Baby BothScreened **PASS** >

✔👤 ExcludedFromDenom Not ScreenedMedicalReasons **PASS** >

✔👤 InDENEX DiedDuring-NoScreening **PASS** >

✔👤 InIPP Livebirth **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

⚡ *Dashbo*

🕐 Measure Period: 2012  ›  ☰ CMS31v3

## ☰ CMS31V3 ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

**✔ Initial Population:** ⌄

✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
✔ AND :
✔ UNION OF:
✖ Diagnosis, Active: Liveborn Newborn Born in Hospital
✔ Diagnosis, Active: Livebirth
✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Denominator:** ⌄

None

## ✖ Denominator Exclusions: ⌄

✖ OR :
  ✖ AND :
    ✖ INTERSECTION OF:
      ✱ Occurrence A: $Occurrence A of $EncounterInpatient
      ✖ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
  ✖ AND :
    ✔ AND NOT:
      ✖ UNION OF:
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
        ✖ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

## ✖ Numerator: ⌄

✖ AND :
  ✖ UNION OF:
    ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
    ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
    ✖ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient
✖ AND :
  ✖ UNION OF:
    ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
    ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
    ✖ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

## ✖ Denominator Exceptions: ⌄

None

**Variables:** ⌄

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ( Length of Stay <= 120 days )
       ends during "Measurement Period"
✔ **$Occurrence A of $EncounterInpatient =**
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ✔ ( Length of Stay <= 120 days )
       ✔ ends during "Measurement Period"

## PATIENT HISTORY

| ENCOUNTER | DATE | |
|---|---|---|
| Performed: Encounter Inpatient | 01/01/2012 – 01/02/2012 | › |

| DIAGNOSIS | DATE | |
|---|---|---|
| Active: Livebirth | 01/01/2012 | › |

**PATIENT DESCRIPTION**

Case Number: 004

**DATE OF BIRTH**

01/01/2012    10:00 AM

**LIVING STATUS**

☐ Deceased

**RACE**

American Indian or Alaska Nati▾

**GENDER**

Male ▾

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## 👤 TEST PATIENTS ⚙

( 100 )  **PASS**   17 /17   👤+

( 100 )  **% COVERAGE**

📊 SHOW COVERAGE

| | | |
|---|---|---|
| ✔ 👤 Baby BothScreened | **PASS** > |
| ✔ 👤 ExcludedFromDenom Not ScreenedMedicalReasons | **PASS** > |
| ✔ 👤 InDENEX DiedDuring-NoScreening | **PASS** > |
| ✔ 👤 InIPP Livebirth | **PASS** > |
| ✔ 👤 InIPP LivebornInHospital | **PASS** ⌄ |

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

## BONNIE                          ⚡ Dash

⊘ Measure Period: 2012   ▦ CMS31v3

### ▦ CMS31V3   ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

✔Initial Population:                                              ⌄

  ✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
    ✔ AND :
      ✔ UNION OF:

✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
✖ Diagnosis, Active: Livebirth
✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔Denominator:** ⌄

None

**✖Denominator Exclusions:** ⌄

✖ OR :
    ✖ AND :
        ✖ INTERSECTION OF:
            ✱ Occurrence A: $Occurrence A of $EncounterInpatient
            ✖ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
    ✖ AND :
        ✔ AND NOT:
            ✖ UNION OF:
                ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
                ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
                ✖ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

**✖Numerator:** ⌄

✖ AND :
    ✖ UNION OF:
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
        ✖ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient
✖ AND :
    ✖ UNION OF:
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
        ✖ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

**✖Denominator Exceptions:** ⌄

None

## Variables:

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
      ( Length of Stay <= 120 days )
      ends during "Measurement Period"
   ✔ $Occurrence A of $EncounterInpatient =
     Encounter, Performed: Encounter Inpatient SATISFIES ALL
      ✔ ( Length of Stay <= 120 days )
      ✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 005

**DATE OF BIRTH**

01/01/2012     10:00 AM

**LIVING STATUS**

☐ Deceased

**RACE**

American Indian or Alaska Nati▾

**GENDER**

Male ▾

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## PATIENT HISTORY

| ENCOUNTER | DATE | |
|---|---|---|
| Performed: Encounter Inpatient | 01/01/2012 – 01/02/2012 | › |

| DIAGNOSIS | DATE | |
|---|---|---|
| Active: Liveborn Newborn Born in Hospital | 01/01/2012 | › |

## InIPP LivebornLivebirth   PASS ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

✏ | CLONE | ⊖ | SHARE +

# BONNIE

⚡ Dashb

⏱ Measure Period: 2012    ⊟ CMS31v3

## ⊟ CMS31V3   ⚙

HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

### ✔ Initial Population:   ⌄

✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
✔ AND :
  ✔ UNION OF:
    ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
    ✔ Diagnosis, Active: Livebirth
    ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

### ✔ Denominator:   ⌄

None

### ✘ Denominator Exclusions:   ⌄

✘ OR :
  ✘ AND :
    ✘ INTERSECTION OF:
      ✱ Occurrence A: $Occurrence A of $EncounterInpatient
      ✘ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
  ✘ AND :
    ✔ AND NOT:
      ✘ UNION OF:
        ✘ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
        ✘ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
        ✘ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

### ✘ Numerator:   ⌄

✘ AND :
  ✘ UNION OF:
    ✘ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
    ✘ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
    ✘ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient
✘ AND :
  ✘ UNION OF:
    ✘ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
    ✘ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
    ✘ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

### ✘ Denominator Exceptions:   ⌄

None

## Variables:

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ( Length of Stay <= 120 days )
        ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ✔ ( Length of Stay <= 120 days )
        ✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 006

**DATE OF BIRTH**

| 01/01/2012 | 10:00 AM |
|---|---|

**LIVING STATUS**

☐ Deceased

**RACE**

American Indian or Alaska Nati▾

**ETHNICITY**

Not Hispanic or Latino ▾

**GENDER**

Male ▾

**PAYER**

Other ▾

## PATIENT HISTORY

| ENCOUNTER | DATE | |
|---|---|---|
| Performed: Encounter Inpatient | 01/01/2012 – 01/02/2012 | > |

| DIAGNOSIS | DATE | |
|---|---|---|
| Active: Liveborn Newborn Born in Hospital | 01/01/2012 | > |

| DIAGNOSIS | DATE | |
|---|---|---|
| Active: Livebirth | 01/01/2012 | > |

✔ 👤 Left/RightReason Not done   **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 1 | 1 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

🕐 Measure Period: 2012    ▤ CMS31v3

## ▤ CMS31V3    ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**

- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

---

**✔Initial Population:** ⌄

    ✔ **AND :** ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
    ✔ **AND :**
        ✔ **UNION OF:**
            ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
            ✘ Diagnosis, Active: Livebirth
            ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

---

**✔Denominator:** ⌄

None

---

**✔Denominator Exclusions:** ⌄

    ✔ **OR :**
        ✔ **AND :**
            ✔ **INTERSECTION OF:**
                ✔ Occurrence A: $Occurrence A of $EncounterInpatient
                ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
        ✔ **AND :**
            ✔ **AND NOT:**
                ✘ **UNION OF:**
                    ✘ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
                    ✘ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
                ✘ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

---

**Numerator:** ⌄

    **AND :**
        UNION OF:
            ■ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
            ■ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
              during Occurrence A: $Occurrence A of $EncounterInpatient
    **AND :**

UNION OF:
- Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
- Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
  during Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:** ⌄

None

**Variables:** ⌄

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ( Length of Stay <= 120 days )
        ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ✔ ( Length of Stay <= 120 days )
        ✔ ends during "Measurement Period"

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left ⌄

⏱ **START**

| 01/01/2012 | 12:00 PM |

⏱ **STOP**

| 01/01/2012 | 12:15 PM |

☐ UNDEFINED

**</> CODES**

LOINC: 54108-6 ⌄

LOINC: 54108-0 ✕

Code Set ▾ | -- ▾ | +

**📊 RESULT**

Newborn Hearing Screen Left ✕

☰ Coded ▾ | -- ▾ | +

**📊 FIELD VALUE**

REASON: Medical Reasons ✕

-- ▾

☰ Coded ▾ | -- ▾ | +

**📊 REFERENCES**

-- ▾ | -- ▾ | +

☑ NOT PERFORMED

Medical Reasons ▾

⊖

---

**🩺 Diagnostic Study Result:** Result: Newborn Hearing Screen Right ⌄

**⏱ START**

| 01/01/2012 | 12:15 PM |

**⏱ STOP**

| 01/01/2012 | 12:30 PM |

☐ UNDEFINED

**</> CODES**

LOINC: 54109-4 ✕

Code Set ▾ | -- ▾ | +

**📊 RESULT**

Newborn Hearing Screen Right ✕ | Pass Or Refer ✕

☰ Coded ▾ | -- ▾ | +

**📊 FIELD VALUE**

≔ Coded ▾    -- ▾    ＋

📊 **REFERENCES**

-- ▾    -- ▾    ＋

☑ NOT PERFORMED

Medical Reasons ▾

⊖

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ 👤 LeftReason RightScreened | | | **PASS** ⌄ |
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 1 | 1 |
| ✔ | DENEXCEP | 0 | 0 |

🕐 Measure Period: 2012   ▤ CMS31v3

## ▤ **CMS31V3** ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

**✔ Initial Population:** ⌄

  ✔ **AND :** ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
  ✔ **AND :**
    ✔ **UNION OF:**
      ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
      ✖ Diagnosis, Active: Livebirth
      ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Denominator:** ⌄

None

**✱ Denominator Exclusions:** ⌄

  ✱ **OR :**
    ✱ **AND :**
      ✱ **INTERSECTION OF:**
        ✱ Occurrence A: $Occurrence A of $EncounterInpatient
        ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
    ✱ **AND :**
      ✔ **AND NOT:**
      ✔ **UNION OF:**
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
        ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
      ✔ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Numerator:** ⌄

  ✔ **AND :**
    ✔ **UNION OF:**
      ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
      ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
      ✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient
  ✔ **AND :**
    ✔ **UNION OF:**
      ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
      ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
      ✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:** ⌄

None

**Variables:** ⌄

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
      ( Length of Stay <= 120 days )
      ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
      ✔ ( Length of Stay <= 120 days )
      ✔ ends during "Measurement Period"

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left ⌄

🕐 **START**

| 01/01/2012 | 12:00 PM |

🕐 **STOP**

| 01/01/2012 | 12:15 PM |

☐ UNDEFINED

</> **CODES**

LOINC: 54108-6 ×

Code Set ▾ | -- ▾ | +

📊 **RESULT**

Newborn Hearing Screen Left ×

≡ Coded ▾ | -- ▾ | +

📊 **FIELD VALUE**

-- ▾

≡ Coded ▾ | -- ▾ | +

📊 **REFERENCES**

-- ▾ | -- ▾ | +

☑ NOT PERFORMED

Medical Reasons ▾

⊖

---

🩺 **Diagnostic Study Result:** Result: Newborn Hearing Screen Right ⌄

⏱ **START**

| 01/01/2012 | 12:15 PM |

⏱ **STOP**

| 01/01/2012 | 12:30 PM |

☐ UNDEFINED

</> **CODES**

LOINC: 54109-4 ×

Code Set ▾ | -- ▾ | +

📊 **RESULT**

Newborn Hearing Screen Right ×    Pass Or Refer ×

≡ Coded ▾ | -- ▾ | +

📊 **FIELD VALUE**

--

☰ Coded ▾   | -- ▾ | **+**

📊 **REFERENCES**

-- ▾   | -- ▾ | **+**

☐ NOT PERFORMED

⊖

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

⚡ Dash

🕐 Measure Period: 2012   ☰ CMS31v3

## ☰ CMS31V3                                                          ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

**✔ Initial Population:** ∨

> ✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
> ✔ AND :
> ✔ UNION OF:
> ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
> ✖ Diagnosis, Active: Livebirth
> ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Denominator:** ∨

None

**✳ Denominator Exclusions:** ∨

> ✳ OR :
> ✳ AND :
> ✳ INTERSECTION OF:
> ✳ Occurrence A: $Occurrence A of $EncounterInpatient
> ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
> ✳ AND :
> ✔ AND NOT:
> ✔ UNION OF:
> ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
> ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
> ✔ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient

**✖ Numerator:** ∨

> ✖ AND :
> ✖ UNION OF:
> ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
> ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
> ✖ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient
> ✖ AND :
> ✔ UNION OF:
> ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
> ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)

✔ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

None

## Variables: ⌄

**$EncounterInpatient =**
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ( Length of Stay <= 120 days )
        ends during "Measurement Period"
✔ **$Occurrence A of $EncounterInpatient =**
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ✔ ( Length of Stay <= 120 days )
        ✔ ends during "Measurement Period"

### PATIENT DESCRIPTION

Case Number: 009

| DATE OF BIRTH | | DATE OF DEATH | ✖ |
|---|---|---|---|
| 01/01/2012 | 10:00 AM | 01/02/2012 | 8:00 AM |

**RACE**

American Indian or Alaska Nativ... ⌄

**GENDER**

Male ⌄

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## PATIENT HISTORY

| ENCOUNTER | DATE | › |
|---|---|---|
| Performed: Encounter Inpatient | 01/01/2012 – 01/02/2012 | |

| DIAGNOSIS | DATE | › |
|---|---|---|
| Active: Liveborn Newborn Born in Hospital | 01/01/2012 – 01/01/2012 | |

| DIAGNOSTIC STUDY RESULT | DATE | › |
|---|---|---|
| Result: Newborn Hearing Screen Right | 01/01/2012 – 01/01/2012 | |

**Diagnostic Study Result:** Result: Newborn Hearing Screen Right ⌄

**⏱ START**

| 01/01/2012 | 12:15 PM |
|---|---|

**⏱ STOP**

| 01/01/2012 | 12:30 PM |
|---|---|

☐ UNDEFINED

**</> CODES**

LOINC: 54109-4 ✕

Code Set ▾  -- ▾  +

**📊 RESULT**

Newborn Hearing Screen Right ✕   Pass Or Refer ✕

≡ Coded ▾  -- ▾  +

**📊 FIELD VALUE**

-- ▾

≡ Coded ▾  -- ▾  +

## 📊 REFERENCES

-- ▼    -- ▼    **+**

☐ NOT PERFORMED

⊖

| | | NoRightScreen LeftScreened | PASS ∨ |
|---|---|---|---|

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

⚡ Dash

🕐 Measure Period: 2012 · ☰ CMS31v3

## ☰ CMS31V3 ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

---

**✔ Initial Population:** ∨

  ✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
  ✔ AND :
    ✔ UNION OF:
      ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
      ✖ Diagnosis, Active: Livebirth
      ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Denominator:** ∨

None

---

**✳ Denominator Exclusions:** ∨

  ✳ OR :
    ✳ AND :
      ✳ INTERSECTION OF:
        ✳ Occurrence A: $Occurrence A of $EncounterInpatient
        ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
    ✳ AND :
      ✔ AND NOT:
        ✔ UNION OF:
          ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
          ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
          ✔ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient

**✖ Numerator:** ∨

  ✖ AND :
    ✔ UNION OF:
      ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
      ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
      ✔ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient
  ✖ AND :
    ✖ UNION OF:
      ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
      ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)

✖ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

| ✖Denominator Exceptions: | ⌄ |
|---|---|

None

## Variables: ⌄

**$EncounterInpatient =**
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ( Length of Stay <= 120 days )
       ends during "Measurement Period"
✔ **$Occurrence A of $EncounterInpatient =**
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ✔ ( Length of Stay <= 120 days )
       ✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 010

| **DATE OF BIRTH** | | **DATE OF DEATH** | ⊗ |
|---|---|---|---|
| 01/01/2012 | 10:00 AM | 01/02/2012 | 8:00 AM |

**RACE**

American Indian or Alaska Nati⌄

**GENDER**

Male ⌄

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## PATIENT HISTORY

**ENCOUNTER**                **DATE**                         ›

Performed: Encounter Inpatient      01/01/2012 – 01/02/2012

**DIAGNOSIS**                **DATE**                         ›

Active: Liveborn Newborn Born in    01/01/2012 – 01/01/2012
Hospital

**DIAGNOSTIC STUDY RESULT**  **DATE**                         ›

Result: Newborn Hearing Screen      01/01/2012 – 01/01/2012
Left

---

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left     ⌄

🕐 **START**                          🕐 **STOP**

| 01/01/2012 | 12:00 PM |        | 01/01/2012 | 12:15 PM |

☐ UNDEFINED

</> **CODES**

LOINC: 54108-6 ✕

Code Set ▾      --  ▾      ✚

📊 **RESULT**

Pass Or Refer ✕      Newborn Hearing Screen Left ✕

☰ Coded  ▾      --  ▾      ✚

📊 **FIELD VALUE**

--  ▾

☰ Coded  ▾      --  ▾      ✚

## REFERENCES

-- ▼    -- ▼    +

☐ NOT PERFORMED

⊖

## NoRightScreen NoLeftScreened **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 1 | 1 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

🕐 Measure Period: 2012    ▤ CMS31v3

## ▤ CMS31V3    ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

**✔Initial Population:** ⌄

  ✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
  ✔ AND :
    ✔ UNION OF:
      ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
      ✘ Diagnosis, Active: Livebirth
    ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔Denominator:** ⌄

None

**✔Denominator Exclusions:** ⌄

  ✔ OR :
    ✔ AND :
      ✔ INTERSECTION OF:
        ✔ Occurrence A: $Occurrence A of $EncounterInpatient
        ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
    ✔ AND :
      ✔ AND NOT:
        ✘ UNION OF:
          ✘ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
          ✘ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
        ✘ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**Numerator:** ⌄

  **AND :**
    UNION OF:
      ■ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
      ■ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
      during Occurrence A: $Occurrence A of $EncounterInpatient
  **AND :**
    UNION OF:
      ■ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
      ■ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
      during Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:**　　　　　　　　　　　　　　　　 ˅

None

**Variables:**　　　　　　　　　　　　　　　　　　　　　　　 ˅

**$EncounterInpatient =**
　　Encounter, Performed: Encounter Inpatient SATISFIES ALL
　　　　( Length of Stay <= 120 days )
　　　　ends during "Measurement Period"
✔ **$Occurrence A of $EncounterInpatient =**
　Encounter, Performed: Encounter Inpatient SATISFIES ALL
　　　✔ ( Length of Stay <= 120 days )
　　　✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 011

**DATE OF BIRTH**　　　　　　　**LIVING STATUS**

| 01/01/2012 | 10:00 AM |　　☐ Deceased

**RACE**　　　　　　　　　　**GENDER**

American Indian or Alaska Nati ▼    Male ▼

**ETHNICITY**    **PAYER**

Not Hispanic or Latino ▼    Other ▼

## PATIENT HISTORY

**ENCOUNTER**    **DATE**    ⟩

Performed: Encounter Inpatient    01/01/2012 – 01/02/2012

**DIAGNOSIS**    **DATE**    ⟩

Active: Liveborn Newborn Born in Hospital    01/01/2012 – 01/01/2012

**Encounter:** Performed: Encounter Inpatient    ⌄

🕐 **START**    🕐 **STOP**

| 01/01/2012 | 8:00 AM |    | 01/02/2012 | 8:00 AM |

☐ UNDEFINED

</> **CODES**

SNOMED-CT: 8715000 ✕

| Code Set ▼ |    | -- ▼ |    | + |

📊 **FIELD VALUE**

DISCHARGE_STATUS: Patient Expired ✕

ADMISSION_DATETIME: 01/01/2012 8:00 AM ✕

DISCHARGE_DATETIME: 01/02/2012 9:00 AM ✕

| -- ▼ |

| ☰ Coded ▼ |    | -- ▼ |    | + |

📊 **REFERENCES**

| -- ▼ |    | -- ▼ |    | + |

☐ NOT PERFORMED

☐ NOT PERFORMED

✔✔👤 NotExcludedFromDenom DiedAfterBothEarsScreened  **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 1 | 1 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

⚡ Dasl

🕐 Measure Period: 2012 · ☰ CMS31v3

## ☰ CMS31V3                                                                    ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

### Episode(s) of Care:

- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

---

**✔Initial Population:**                                                         ⌄

   ✔ **AND :** ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
   ✔ **AND :**
      ✔ **UNION OF:**
        ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
        ✖ Diagnosis, Active: Livebirth
        ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

---

**✔Denominator:**                                                               ⌄

None

---

**✳Denominator Exclusions:**                                                    ⌄

   ✳ **OR :**
      ✳ **AND :**
        ✳ **INTERSECTION OF:**
          ✳ Occurrence A: $Occurrence A of $EncounterInpatient
          ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
      ✳ **AND :**
        ✔ **AND NOT:**
          ✔ **UNION OF:**
            ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
            ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
            ✔ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient

---

**✔Numerator:**                                                                 ⌄

   ✔ **AND :**
      ✔ **UNION OF:**
        ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
        ✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient
   ✔ **AND :**
      ✔ **UNION OF:**
        ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )

✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:** ⌄

None

**Variables:** ⌄

$EncounterInpatient =
Encounter, Performed: Encounter Inpatient SATISFIES ALL
( Length of Stay <= 120 days )
ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
Encounter, Performed: Encounter Inpatient SATISFIES ALL
✔ ( Length of Stay <= 120 days )
✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 012

**DATE OF BIRTH**

01/01/2012 | 10:00 AM

**DATE OF DEATH** ⊗

01/02/2012 | 8:00 AM

**RACE**

American Indian or Alaska Nativ ▾

**GENDER**

Male ▾

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## PATIENT HISTORY

**ENCOUNTER**     **DATE**    ›

Performed: Encounter Inpatient    01/01/2012 – 01/02/2012

**DIAGNOSIS**     **DATE**    ›

Active: Liveborn Newborn Born in Hospital    01/01/2012 – 01/01/2012

**DIAGNOSTIC STUDY RESULT**     **DATE**    ›

Result: Newborn Hearing Screen Left    01/01/2012 – 01/01/2012

**DIAGNOSTIC STUDY RESULT**     **DATE**    ›

Result: Newborn Hearing Screen Right    01/01/2012 – 01/01/2012

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left ⌄

⏱ **START**

01/01/2012    12:00 PM

⏱ **STOP**

01/01/2012    12:15 PM

☐ UNDEFINED

</> **CODES**

LOINC: 54108-6 ✕

Code Set ▾    -- ▾    ✛

📊 **RESULT**

Newborn Hearing Screen Left ✕    Pass Or Refer ✕

Newborn Hearing Screen Right ✕       Pass Or Refer ✕

☰ Coded ▾        -- ▾        ＋

📊 **FIELD VALUE**

-- ▾

☰ Coded ▾        -- ▾        ＋

📊 **REFERENCES**

-- ▾        -- ▾        ＋

☐ NOT PERFORMED

⊖

---

**Diagnostic Study Result:** Result: Newborn Hearing Screen Right        ⌄

🕐 **START**        🕐 **STOP**

| 01/01/2012 | 12:15 PM |        | 01/01/2012 | 12:30 PM |

☐ UNDEFINED

</> **CODES**

LOINC: 54109-4 ✕

Code Set ▾        -- ▾        ＋

📊 **RESULT**

Newborn Hearing Screen Right ✕       Pass Or Refer ✕

☰ Coded ▾        -- ▾        ＋

📊 **FIELD VALUE**

-- ▾

☰ Coded ▾        -- ▾        ＋

📊 **REFERENCES**

-- ▾        -- ▾        ＋

☐ NOT PERFORMED

⊖

✔ 👤 NotExcludedFromDenom    **PASS** ⌄
DiedAfterLeftScreening

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

**BONNIE**        ⚡ Dashb

⏱ Measure Period: 2012   ▸   ☰ CMS31v3

## ☰ CMS31V3    ⚙

HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

**✔ Initial Population:**    ⌄

   ✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
   ✔ AND :
     ✔ UNION OF:
       ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
       ✖ Diagnosis, Active: Livebirth
     ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Denominator:**    ⌄

None

**✳ Denominator Exclusions:**    ⌄

   ✳ OR :
     ✳ AND :
       ✳ INTERSECTION OF:
         ✳ Occurrence A: $Occurrence A of $EncounterInpatient
         ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
     ✳ AND :
       ✔ AND NOT:
         ✔ UNION OF:
           ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
           ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
         ✔ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient

**✖ Numerator:**    ⌄

   ✖ AND :
     ✔ UNION OF:
       ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
       ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
     ✔ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient
   ✖ AND :
     ✖ UNION OF:
       ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
       ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
     ✖ during ✳ Occurrence A: $Occurrence A of $EncounterInpatient

**✖ Denominator Exceptions:**    ⌄

None

**Variables:**

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ( Length of Stay <= 120 days )
       ends during "Measurement Period"
✔ **$Occurrence A of $EncounterInpatient =**
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ✔ ( Length of Stay <= 120 days )
       ✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 013

**DATE OF BIRTH**

| 01/01/2012 | 10:00 AM |

**DATE OF DEATH**

| 01/02/2012 | 8:00 AM |

**RACE**

American Indian or Alaska Nati ▾

**GENDER**

Male ▾

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## PATIENT HISTORY

**ENCOUNTER**　　　　　**DATE**　　　　　>

Performed: Encounter Inpatient　　01/01/2012 – 01/02/2012

**DIAGNOSIS**　　　　　**DATE**　　　　　>

Active: Liveborn Newborn Born in Hospital　　01/01/2012 – 01/01/2012

**DIAGNOSTIC STUDY RESULT**　　　　　**DATE**　　　　　>

Result: Newborn Hearing Screen Left　　01/01/2012 – 01/01/2012

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left　⌄

⏲ **START**

01/01/2012 ｜ 12:00 PM

⏲ **STOP**

01/01/2012 ｜ 12:15 PM

☐ UNDEFINED

**</> CODES**

LOINC: 54108-6 ✕

Code Set ▾ ｜ -- ▾ ｜ +

**▥ RESULT**

Newborn Hearing Screen Left ✕ ｜ Pass Or Refer ✕

≡ Coded ▾ ｜ -- ▾ ｜ +

**▥ FIELD VALUE**

-- ▾

Coded ▾ -- ▾ +

📊 **REFERENCES**

-- ▾ -- ▾ +

☐ NOT PERFORMED

⊖

✔ 👤 NotExcludedFromDenom **PASS** ⌄
DiedAfterRightScreening

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 1 | 1 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE                                    ⚡Dasł

🕐 Measure Period: 2012  ›  ☰ CMS31v3

## ☰ CMS31V3                                    ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

**✔Initial Population:**                                    ⌄

✔ **AND :** ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
✔ **AND :**
   ✔ UNION OF:
      ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
      ✖ Diagnosis, Active: Livebirth
      ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔Denominator:**                                    ⌄

None

**✔Denominator Exclusions:**                                    ⌄

✔ **OR :**
   ✔ **AND :**
      ✔ INTERSECTION OF:
         ✔ Occurrence A: $Occurrence A of $EncounterInpatient
         ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
   ✔ **AND :**
      ✔ **AND NOT:**
         ✖ UNION OF:
            ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
            ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
            ✖ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**Numerator:**                                    ⌄

**AND :**
   UNION OF:
      ▪ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
      ▪ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
        during Occurrence A: $Occurrence A of $EncounterInpatient
**AND :**
   UNION OF:
      ▪ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
      ▪ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
        during Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:**                                    ⌄

None

**Variables:** ⌄

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
       ( Length of Stay <= 120 days )
       ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
      ✔ ( Length of Stay <= 120 days )
      ✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 014

**DATE OF BIRTH**

| 01/01/2012 | 10:00 AM |

**DATE OF DEATH** ⊗

| 01/02/2012 | 8:00 AM |

**RACE**　　　　　　　　　　**GENDER**

American Indian or Alaska Nati▾          Male ▾

**ETHNICITY**                          **PAYER**

Not Hispanic or Latino ▾               Other ▾

## PATIENT HISTORY

**ENCOUNTER**                    **DATE**                        ›

Performed: Encounter Inpatient    01/01/2012 – 01/02/2012

**DIAGNOSIS**                    **DATE**                        ›

Active: Liveborn Newborn Born in   01/01/2012 – 01/01/2012
Hospital

**DIAGNOSTIC STUDY RESULT**      **DATE**                        ›

Result: Newborn Hearing Screen     01/01/2012 – 01/01/2012
Left

**Encounter:** Performed: Encounter Inpatient                    ⌄

⏱ **START**                      ⏱ **STOP**

01/01/2012    8:00 AM           01/02/2012    8:00 AM

☐ UNDEFINED

‹/› **CODES**

SNOMED-CT: 8715000 ✕

Code Set ▾        -- ▾        +

▥ **FIELD VALUE**

DISCHARGE_STATUS: Patient Expired ✕

ADMISSION_DATETIME: 01/01/2012 8:00 AM ✕

DISCHARGE_DATETIME: 01/02/2012 9:00 AM ✕

-- ▾

≡ Coded ▾    -- ▾    +

**.ıl REFERENCES**

-- ▾    -- ▾    +

☐ NOT PERFORMED

⊖

---

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left    ⌄

🕐 **START**    🕐 **STOP**

01/01/2012 | 12:00 PM    01/01/2012 | 12:15 PM

☐ UNDEFINED

**</> CODES**

LOINC: 54108-6 ✕

Code Set ▾    -- ▾    +

**.ıl RESULT**

Newborn Hearing Screen Right ✕

≡ Coded ▾    -- ▾    +

**.ıl FIELD VALUE**

-- ▾

≡ Coded ▾    -- ▾    +

**.ıl REFERENCES**

-- ▾    -- ▾    +

☐ NOT PERFORMED

⊖

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 0 | 0 |
| ✔ | DENOM | 0 | 0 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 0 | 0 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

🕐 Measure Period: 2012  ›  ☰ CMS31v3

≡ **Dash**

## ☰ CMS31V3    ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

---

**✖ Initial Population:**    ⌄

  ✖ **AND :** ✖ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
✖ **AND :**
    ✖ **UNION OF:**
      ✖ Diagnosis, Active: Liveborn Newborn Born in Hospital
      ✖ Diagnosis, Active: Livebirth
    ✖ starts during ✖ Occurrence A: $Occurrence A of $EncounterInpatient

---

**Denominator:**    ⌄

None

---

**Denominator Exclusions:**    ⌄

  **OR :**
    **AND :**
      **INTERSECTION OF:**
        ■ Occurrence A: $Occurrence A of $EncounterInpatient
        ■ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
      **AND :**
        **AND NOT:**
          **UNION OF:**

- Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
- Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
  during Occurrence A: $Occurrence A of $EncounterInpatient

## Numerator: ⌄

**AND :**
  UNION OF:
  - Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
  - Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
    during Occurrence A: $Occurrence A of $EncounterInpatient

**AND :**
  UNION OF:
  - Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
  - Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
    during Occurrence A: $Occurrence A of $EncounterInpatient

## Denominator Exceptions: ⌄

None

## Variables: ⌄

**$EncounterInpatient =**
  Encounter, Performed: Encounter Inpatient SATISFIES ALL
    ( Length of Stay <= 120 days )
    ends during "Measurement Period"
**✖ $Occurrence A of $EncounterInpatient =**
  Encounter, Performed: Encounter Inpatient SATISFIES ALL
    ✖ ( Length of Stay <= 120 days )
    ✖ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 015

| DATE OF BIRTH | | LIVING STATUS |
|---|---|---|
| 12/01/2011 | 8:00 AM | ☐ Deceased |

**RACE**
American Indian or Alaska Nati▾

**GENDER**
Male ▾

**ETHNICITY**
Not Hispanic or Latino ▾

**PAYER**
Other ▾

**PATIENT HISTORY**

| Population | Expected | Actual |
|---|---|---|
| ✔ IPP | 1 | 1 |
| ✔ DENOM | 1 | 1 |
| ✔ DENEX | 1 | 1 |
| ✔ NUMER | 0 | 0 |
| ✔ DENEXCEP | 0 | 0 |

# BONNIE

⚡ Dash

🕐 Measure Period: 2012 　 ☰ CMS31v3

## ☰ CMS31V3　　　　　　　　　　⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✔

**✔ Initial Population:** ⌄

　　✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
　　✔ AND :
　　　　✔ UNION OF:
　　　　　　✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
　　　　　　✖ Diagnosis, Active: Livebirth
　　　　　　✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**✔ Denominator:** ⌄

None

**✔ Denominator Exclusions:** ⌄

　✔ OR :
　　✔ AND :
　　　✔ INTERSECTION OF:
　　　　✔ Occurrence A: $Occurrence A of $EncounterInpatient
　　　　✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
　　✔ AND :
　　　✔ AND NOT:
　　　　✖ UNION OF:
　　　　　✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
　　　　　✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
　　　　　✖ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**Numerator:** ⌄

　**AND :**
　　UNION OF:
　　　▪ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
　　　▪ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
　　　　during Occurrence A: $Occurrence A of $EncounterInpatient
　**AND :**
　　UNION OF:
　　　▪ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
　　　▪ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
　　　　during Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:** ⌄

None

**Variables:** ⌄

$EncounterInpatient =
    Encounter, Performed: Encounter Inpatient SATISFIES ALL
        ( Length of Stay <= 120 days )
        ends during "Measurement Period"
✔ $Occurrence A of $EncounterInpatient =
Encounter, Performed: Encounter Inpatient SATISFIES ALL
      ✔ ( Length of Stay <= 120 days )
      ✔ ends during "Measurement Period"



**PATIENT DESCRIPTION**

Case Number: 016

**DATE OF BIRTH**

| 01/01/2012 | 10:00 AM |

**LIVING STATUS**

☐ Deceased

**RACE**

American Indian or Alaska Nati⌄ ▾

**GENDER**

Male ▾

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## PATIENT HISTORY

**ENCOUNTER**                    **DATE**                         ›

Performed: Encounter Inpatient    01/01/2012 – 01/02/2012

**DIAGNOSIS**                    **DATE**                         ›

Active: Liveborn Newborn Born in   01/01/2012 – 01/01/2012
Hospital

**DIAGNOSTIC STUDY RESULT**      **DATE**                         ›

Result: Newborn Hearing Screen     01/01/2012 – 01/01/2012
Left

**DIAGNOSTIC STUDY RESULT**      **DATE**                         ›

Result: Newborn Hearing Screen     01/01/2012 – 01/01/2012
Right

---

**Encounter:** Performed: Encounter Inpatient                  ⌄

🕐 **START**                          🕐 **STOP**

01/01/2012    8:00 AM              01/02/2012    8:00 AM

☐ UNDEFINED

</> **CODES**

SNOMED-CT: 8715000 ✕

Code Set ▾        --                    ▾    ＋

📊 **FIELD VALUE**

DISCHARGE_STATUS: Patient Expired ✕

ADMISSION_DATETIME: 01/01/2012 8:00 AM ✕

DISCHARGE_DATETIME: 01/02/2012 9:00 AM ×

--

≣ Coded ▾    --    +

📊 REFERENCES

--    --    +

☐ NOT PERFORMED

⊖

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left    ⌄

⏱ START

01/01/2012    12:00 PM

⏱ STOP

01/01/2012    12:15 PM

☐ UNDEFINED

</> CODES

LOINC: 54108-6 ×

Code Set ▾    --    +

📊 RESULT

Newborn Hearing Screen Left ×

≣ Coded ▾    --    +

📊 FIELD VALUE

--

≣ Coded ▾    --    +

📊 REFERENCES

--    --    +

☑ NOT PERFORMED

Medical Reasons

⊖

**Diagnostic Study Result:** Result: Newborn Hearing Screen Right  ⌄

⏱ **START**

| 01/01/2012 | 12:15 PM |
|---|---|

⏱ **STOP**

| 01/01/2012 | 12:30 PM |
|---|---|

☐ UNDEFINED

</> **CODES**

LOINC: 54109-4 ✕

| Code Set ▾ | -- ▾ | ➕ |
|---|---|---|

📊 **RESULT**

Newborn Hearing Screen Right ✕

| ☰ Coded ▾ | -- ▾ | ➕ |
|---|---|---|

📊 **FIELD VALUE**

| -- ▾ |
|---|

| ☰ Coded ▾ | -- ▾ | ➕ |
|---|---|---|

📊 **REFERENCES**

| -- ▾ | -- ▾ | ➕ |
|---|---|---|

☑ NOT PERFORMED

| Medical Reasons ▾ |
|---|

⛔

✔ 👤 RightReason LeftScreened    **PASS** ⌄

| | Population | Expected | Actual |
|---|---|---|---|
| ✔ | IPP | 1 | 1 |
| ✔ | DENOM | 1 | 1 |
| ✔ | DENEX | 0 | 0 |
| ✔ | NUMER | 1 | 1 |
| ✔ | DENEXCEP | 0 | 0 |

# BONNIE

⚡ Dashl

🕐 Measure Period: 2012 › ☰ CMS31v3

## ☰ CMS31V3     ⚙

**HEARING SCREENING PRIOR TO HOSPITAL DISCHARGE**

**Episode(s) of Care:**
- Occurrence A of $EncounterInpatient

This measure assesses the proportion of births that have been screened for hearing loss before hospital discharge.

**Complexity:** ✅

---

✔**Initial Population:**     ⌄

   ✔ AND : ✔ Occurrence A: $Occurrence A of $EncounterInpatient ends during "Measurement Period"
   ✔ AND :
     ✔ UNION OF:
       ✔ Diagnosis, Active: Liveborn Newborn Born in Hospital
       ✖ Diagnosis, Active: Livebirth
      ✔ starts during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

---

✔**Denominator:**     ⌄

   None

---

✱**Denominator Exclusions:**     ⌄

   ✱ OR :
     ✱ AND :
      ✱ INTERSECTION OF:
       ✱ Occurrence A: $Occurrence A of $EncounterInpatient
       ✔ Encounter, Performed: Encounter Inpatient ( Discharge Status : Patient Expired )
     ✱ AND :
      ✔ AND NOT:
       ✔ UNION OF:
        ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
        ✖ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
       ✔ during ✱ Occurrence A: $Occurrence A of $EncounterInpatient

---

✔**Numerator:**     ⌄

   ✔ AND :
     ✔ UNION OF:
      ✔ Diagnostic Study, Performed: Newborn Hearing Screen Left (result : Pass Or Refer )
      ✖ Diagnostic Study, Performed: Newborn Hearing Screen Left (Not Done: Medical Reasons)
     ✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient
     ✔ AND :

✔ UNION OF:
  ✘ Diagnostic Study, Performed: Newborn Hearing Screen Right (result : Pass Or Refer )
  ✔ Diagnostic Study, Performed: Newborn Hearing Screen Right (Not Done: Medical Reasons)
  ✔ during ✔ Occurrence A: $Occurrence A of $EncounterInpatient

**Denominator Exceptions:**  ⌄

None

**Variables:**  ⌄

**$EncounterInpatient =**
  Encounter, Performed: Encounter Inpatient SATISFIES ALL
    ( Length of Stay <= 120 days )
    ends during "Measurement Period"
✔ **$Occurrence A of $EncounterInpatient =**
  Encounter, Performed: Encounter Inpatient SATISFIES ALL
    ✔ ( Length of Stay <= 120 days )
    ✔ ends during "Measurement Period"

**PATIENT DESCRIPTION**

Case Number: 017

**DATE OF BIRTH**

| 01/01/2012 | 10:00 AM |

**LIVING STATUS**

☐ Deceased

**RACE**

American Indian or Alaska Nati▾

**GENDER**

Male ▾

**ETHNICITY**

Not Hispanic or Latino ▾

**PAYER**

Other ▾

## PATIENT HISTORY

**ENCOUNTER**                    **DATE**                    ›

Performed: Encounter Inpatient    01/01/2012 – 01/02/2012

**DIAGNOSIS**                    **DATE**                    ›

Active: Liveborn Newborn Born in    01/01/2012 – 01/01/2012
Hospital

**DIAGNOSTIC STUDY RESULT**      **DATE**                    ›

Result: Newborn Hearing Screen    01/01/2012 – 01/01/2012
Left

**DIAGNOSTIC STUDY RESULT**      **DATE**                    ›

Result: Newborn Hearing Screen    01/01/2012 – 01/01/2012
Right

---

**Encounter:** Performed: Encounter Inpatient          ⌄

🕐 **START**                    🕐 **STOP**

01/01/2012    8:00 AM          01/02/2012    8:00 AM

☐ UNDEFINED

**</> CODES**

SNOMED-CT: 8715000 ✕

Code Set ▾    --  ▾    ✚

**◫ FIELD VALUE**

DISCHARGE_STATUS: Patient Expired ✕

ADMISSION_DATETIME: 01/01/2012 8:00 AM ✕

DISCHARGE_DATETIME: 01/02/2012 9:00 AM ✕

-- ▼

≣ Coded ▼    -- ▼    ➕

📊 REFERENCES

-- ▼    -- ▼    ➕

☐ NOT PERFORMED

⊖

**Diagnostic Study Result:** Result: Newborn Hearing Screen Left    ⌄

🕐 START                          🕐 STOP

01/01/2012    12:00 PM           01/01/2012    12:15 PM

                                 ☐ UNDEFINED

</> CODES

LOINC: 54108-6 ✕

Code Set ▼    -- ▼    ➕

📊 RESULT

Pass Or Refer ✕    Newborn Hearing Screen Left ✕

≣ Coded ▼    -- ▼    ➕

📊 FIELD VALUE

-- ▼

≣ Coded ▼    -- ▼    ➕

📊 REFERENCES

-- ▼    -- ▼    ➕

☐ NOT PERFORMED

⊖

**Diagnostic Study Result:** Result: Newborn Hearing Screen Right ⌄

🕐 **START**

| 01/01/2012 | 12:15 PM |
|---|---|

🕐 **STOP**

| 01/01/2012 | 12:30 PM |
|---|---|

☐ UNDEFINED

</> **CODES**

LOINC: 54109-4 ✕

Code Set ⌄ | -- ⌄ | +

📊 **RESULT**

Newborn Hearing Screen Right ✕

☰ Coded ⌄ | -- ⌄ | +

📊 **FIELD VALUE**

-- ⌄

☰ Coded ⌄ | -- ⌄ | +

📊 **REFERENCES**

-- ⌄ | -- ⌄ | +

☑ NOT PERFORMED

Medical Reasons ⌄

⊖