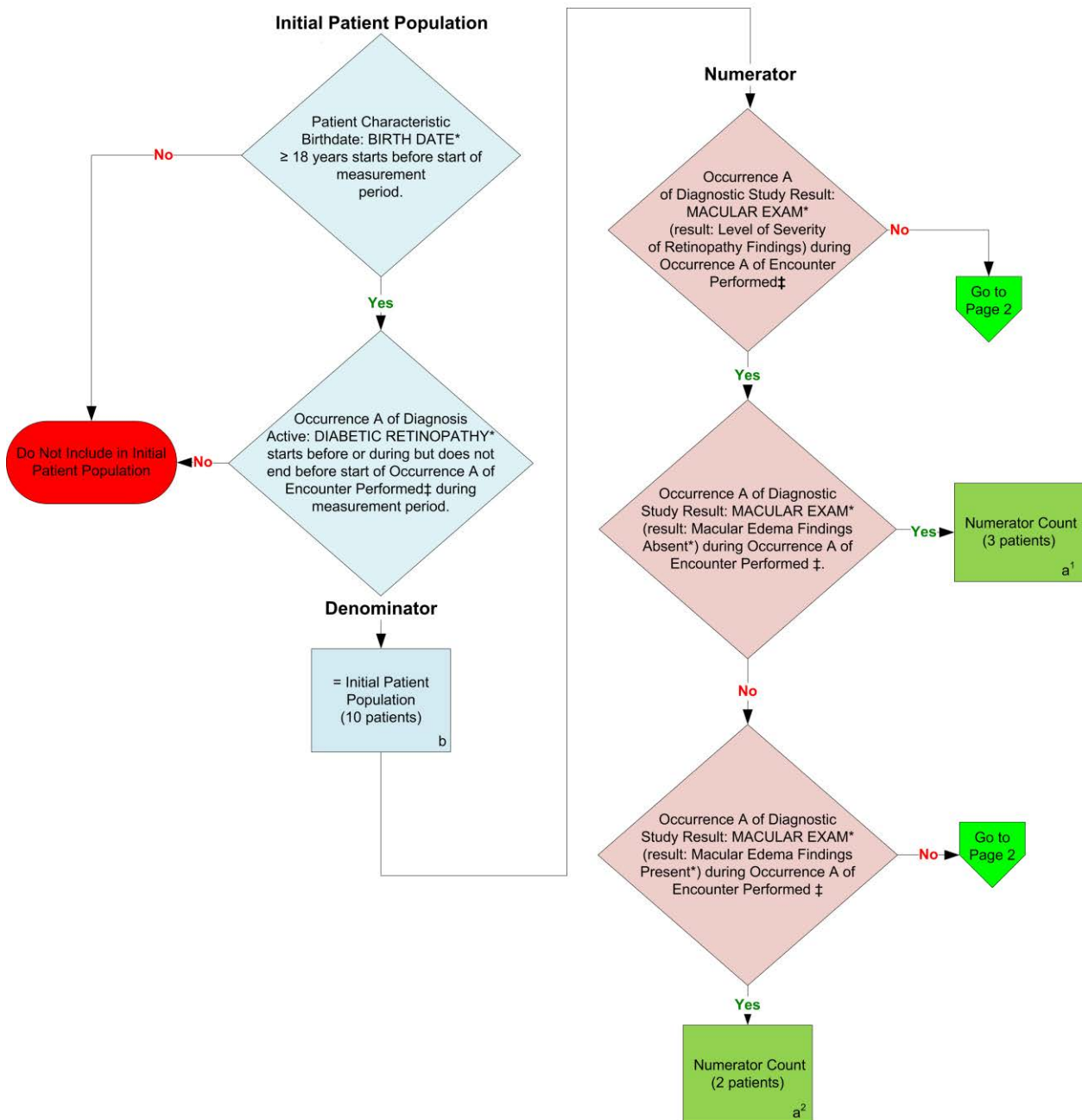
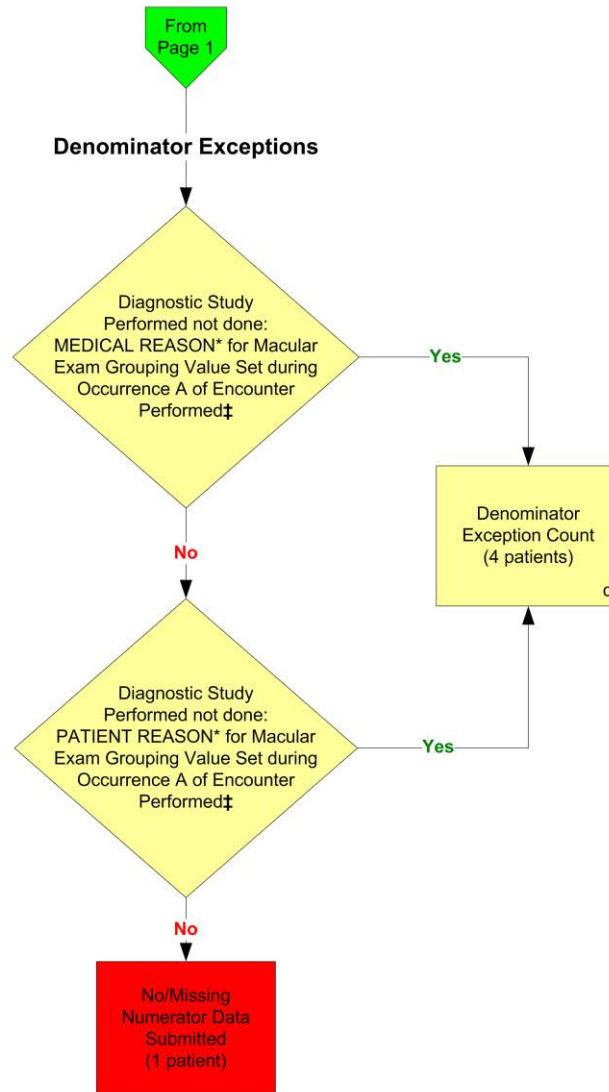


2014 eCQM Flow
Measure Identifier: CMS167v3
NQF 0088: Diabetic Retinopathy: Documentation of Presence or Absence of Macular Edema and
Level of Severity of Retinopathy



*Please refer to the specific section of the eCQM to identify the QDM data elements and associated value sets for use in reporting this eCQM.
‡ Appropriate encounters include: Ophthalmological Services, Care Services in Long-Term Residential Facility, Nursing Facility Visit, Office Visit, Outpatient Consultation, Face-to-Face Interaction.

2014 eCQM Flow
Measure Identifier: CMS167v3
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*Please refer to the specific section of the eCQM to identify the QDM data elements and associated value sets for use in reporting this eCQM.
‡ Appropriate encounters include: Ophthalmological Services, Care Services in Long-Term Residential Facility, Nursing Facility Visit, Office Visit, Outpatient Consultation, Face-to-Face Interaction.

SAMPLE CALCULATION:

Performance Rate =

$$\frac{\text{Numerator (a}^1\text{+a}^2\text{ = 5 patients)}}{\text{Denominator (b = 10 patients) – Denominator Exclusions (N/A) – Denominator Exceptions (c = 4 patients)}} = 83.33\%$$

2014 eCQM Flows

Measure Identifier: CMS167v3

NQF 0088: Diabetic Retinopathy: Documentation of Presence or Absence of Macular Edema and Level of Severity of Retinopathy

Please refer to the specific section of the eCQM to identify the QDM data elements and associated value sets for use in reporting this eCQM.

1. Start Initial Patient Population
2. Check Patient Characteristic Birthdate:
 - a. If QDM data element, BIRTH DATE, is greater than or equal to 18 years starts before start of measurement period, equals No, do not include in Initial Patient Population. Stop Processing.
 - b. If QDM data element, BIRTH DATE, is greater than or equal to 18 years starts before start of measurement period, equals Yes, proceed to check Diagnosis Active.
3. Check Diagnosis Active:
 - a. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, during measurement period equals No, proceed to check next Diagnosis Active.
 - b. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, during measurement period equals Yes, proceed to Denominator.
 - c. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, during measurement period equals No, proceed to check next Diagnosis Active.
 - d. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, during measurement period equals Yes, proceed to Denominator.
 - e. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, during measurement period equals No, proceed to check next Diagnosis Active.
 - f. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, during measurement period equals Yes, proceed to Denominator.
 - g. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, during measurement period equals No, proceed to check next Diagnosis Active.
 - h. If Occurrence A of QDM data element, RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM

- data element, OFFICE VISIT, during measurement period equals Yes, proceed to Denominator.
- i. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, during measurement period equals No, proceed to check next Diagnosis Active.
 - j. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, during measurement period equals Yes, proceed to Denominator.
 - k. If Occurrence A of QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, FACE-TO-FACE INTERACTION, during measurement period equals No, do not include in the Initial Patient Population. Stop Processing.
 - l. If Occurrence A of the QDM data element, DIABETIC RETINOPATHY, starts before or during but does not end before the start of Occurrence A of Encounter Performed QDM data element, FACE-TO-FACE INTERACTION, during measurement period equals Yes, proceed to Denominator.
4. Start Denominator
 - a. Denominator equals the Initial Patient Population. Denominator is represented by letter B in the sample calculation listed at the end of this document. Letter B equals 10 patients in the sample calculation.
 5. Start Numerator
 6. Check Diagnostic Study Result:
 - a. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals No, proceed to check next Diagnostic Study Result.
 - b. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals Yes, proceed to line 8, check Diagnostic Study Result.
 - c. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals No, proceed to check next Diagnostic Study Result.
 - d. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals Yes, proceed to line 8, check Diagnostic Study Result.
 - e. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals No, proceed to check next Diagnostic Study Result.
 - f. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals Yes, proceed to line 8, check Diagnostic Study Result.

- g. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals No, proceed to check next Diagnostic Study Result.
 - h. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals Yes, proceed to line 8, check Diagnostic Study Result.
 - i. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals No, proceed to check next Diagnostic Study Result.
 - j. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals Yes, proceed to line 8, check Diagnostic Study Result.
 - k. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, FACE-TO FACE INTERACTION, equals No, do not include in Numerator count and proceed to Denominator Exceptions.
 - l. If Occurrence A of QDM data element, MACULAR EXAM (result: Level of Severity of Retinopathy Findings), during Occurrence A of Encounter Performed QDM data element, FACE-TO FACE INTERACTION, equals Yes, proceed to line 8, check Diagnostic Study Result.
7. Check Diagnostic Study Result:
- a. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals No, proceed to check next Diagnostic Study Result.
 - b. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals Yes, include in Numerator Count, which is represented by letter A in the sample calculation listed at the end of this document. Letter A equals 5 patients in the sample calculation. Stop Processing.
 - c. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals No, proceed to check next Diagnostic Study Result.
 - d. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals Yes, include in Numerator Count, which is represented by letter A in the sample calculation listed at the end of this document. Letter A equals 5 patients in the sample calculation. Stop Processing.

- e. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals No, proceed to check next Diagnostic Study Result.
- f. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals Yes, include in Numerator Count, which is represented by letter A in the sample calculation listed at the end of this document. Letter A equals 5 patients in the sample calculation. Stop Processing.
- g. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals No, proceed to check next Diagnostic Study Result.
- h. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals Yes, include in Numerator Count, which is represented by letter A in the sample calculation listed at the end of this document. Letter A equals 5 patients in the sample calculation. Stop Processing.
- i. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals No, proceed to check next Diagnostic Study Result.
- j. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals Yes, include in Numerator Count, which is represented by letter A in the sample calculation listed at the end of this document. Letter A equals 5 patients in the sample calculation. Stop Processing.
- k. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, FACE-TO FACE INTERACTION, equals No, do not include in the Numerator and proceed to check Denominator Exceptions.
- l. If Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema findings absent), or if Occurrence A of QDM data element, MACULAR EXAM (result: Macular Edema Findings Present), during Occurrence A of Encounter Performed QDM data element, FACE-TO FACE INTERACTION, equals Yes, include in Numerator Count, which is represented by letter A in the sample calculation listed at the end of this document. Letter A equals 5 patients in the sample calculation. Stop Processing.

8. Check Denominator Exceptions

9. Check Diagnostic Study Performed Not Done:
- a. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - b. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing
 - c. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - d. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - e. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - f. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - g. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - h. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - i. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - j. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - k. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, FACE-TO FACE INTERACTION, equals No, proceed to check Diagnostic Study Performed Not Done.
 - l. If QDM data element, MEDICAL REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, FACE-TO

FACE INTERACTION, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.

10. Check Diagnostic Study Performed Not Done:
 - a. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - b. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OPHTHALMOLOGICAL SERVICES, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing
 - c. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - d. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, CARE SERVICES IN LONG-TERM RESIDENTIAL FACILITY, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - e. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - f. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, NURSING FACILITY VISIT, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - g. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - h. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OFFICE VISIT, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - i. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals No, proceed to check next Diagnostic Study Performed Not Done.
 - j. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, OUTPATIENT CONSULTATION, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.
 - k. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, FACE-TO

FACE INTERACTION, equals No, include in the No/Missing Data Submitted.
Stop Processing.

- I. If QDM data element, PATIENT REASON, for Macular Exam Grouping Value Set, during Occurrence A of Encounter Performed QDM data element, FACE-TO FACE INTERACTION, equals Yes, include in Denominator Exclusion Count, which is represented by letter C in the sample calculation listed at the end of this document. Letter C equals 4 patients. Stop Processing.

SAMPLE CALCULATION:

Performance Rate

Numerator (a= 5 patients)

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Denominator (b=10 patients) – *Denominator Exclusions (N/A)* – Denominator Exceptions (c=4 patients)

= **83.33%**