Measure #384: Adult Primary Rhegmatogenous Retinal Detachment Surgery: No Return to the Operating Room Within 90 Days of Surgery– National Quality Strategy Domain: Effective Clinical Care

2016 PQRS OPTIONS FOR INDIVIDUAL MEASURES:
REGISTRY ONLY

DESCRIPTION:
Patients aged 18 years and older who had surgery for primary rhegmatogenous retinal detachment who did not require a return to the operating room within 90 days of surgery

INSTRUCTIONS:
This measure is to be calculated **each time** a procedure for primary rhegmatogenous retinal detachment is performed in the sample during the reporting period. This measure is intended to reflect the quality of services provided for the patient receiving primary rhegmatogenous retinal detachment surgery.

*Note: This is an outcome measure and will be calculated solely using registry data.*

- For patients who receive the surgical procedures specified in the denominator coding in the sample, it should be reported whether or not the patient had to return to the operating room within 90 days of surgery.
- Include only procedures performed through September 30 of the reporting period. This will allow the post-operative period to occur before registries must submit data to CMS.

Measure Reporting via Registry:
CPT codes and patient demographics are used to identify patients who are included in the measure’s denominator. The listed numerator options are used to report the numerator of the measure.

The quality-data codes listed do not need to be submitted for registry-based submissions; however, these codes may be submitted for those registries that utilize claims data. There are no allowable performance exclusions for this measure.

DENOMINATOR:
Patients aged 18 years or older who had surgery for primary rhegmatogenous retinal detachment

Denominator Criteria (Eligible Cases):
Patients aged ≥ 18 years on the date of the procedure
AND
Patient encounter during the reporting period (CPT): 67107, 67108, 67110
AND NOT
Surgical procedures that included the use of silicone oil

NUMERATOR:
Patients who did not return to the operating room within 90 days for complications within the operative eye

Numerator Options:

- **Performance Met:** Patient did not require a return to the operating room within 90 days of surgery (G9515)

- **Performance Not Met:** Patient required a return to the operating room within 90 days of surgery (G9514)
RATIONALE:
Achieving success with the initial surgery is the most favorable outcome. In a study published in 2011, Schall and colleagues studied the success rate with 4 surgical techniques. Initial success rate for retinal reattachment was 86% for scleral buckling only, 90% for vitrectomy only, 94% for the combination of scleral buckling and vitrectomy, and 63% for pneumatic retinopexy surgery. Patients undergoing pneumatic retinopexy had a lower initial success rate, however there was no statistically significant difference in initial reattachment rates between the other three groups. In a 2002 study Ling and colleagues reported an 85% success rate with a single procedure. Of the 15% that initially failed 97% were successful with one additional surgery. References: 1. Schall S, Sherman MP, Barr CC, Kaplan HJ, Primary retinal detachment repair: comparison of 1-year outcomes of four surgical techniques. Retina 2011 Sep;31(8):1500-4. 2. Ling, et al, Retinal detachment surgery in district general hospitals: An Audit of Changing Practice, Br J Ophthalmology 2002; 86:827-833, Sullivan PM, Luff AJ, Aylward GW. Results of primary retinal reattachment surgery: a prospective audit. Eye 1997; 11:869-71. Day S, Grossman DS, Mruthyunjaya P, Sloan FA, Lee PP. One year outcomes after retinal detachment surgery among Medicare beneficiaries. Am J Ophthalmol 2010; 150(3):338-45, Massachusetts Eye and Ear Infirmary, Harvard Medical School. Ophthalmology Quality & Outcomes Report 2012.

CLINICAL RECOMMENDATION STATEMENTS:
This is an outcome measure. As such, no clinical recommendations are included.

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2016 Registry Individual Measure Flow

PQRS #384: Adult Primary Rhegmatogenous Retinal Detachment Surgery: No Return to the Operating Room Within 90 Days of Surgery

SAMPLE CALCULATIONS:

**Reporting Rate**
Performance Met (a=4 procedures) + Performance Not Met (c=3 procedures) = 7 procedures = 87.50%
Eligible Population / Denominator (d=8 procedures) = 8 procedures

**Performance Rate**
Performance Met (a=4 procedures) = 4 procedures = 57.14%
Reporting Numerator (7 procedures) = 7 procedures

*See the posted Measure Specification for specific coding and instructions to report this measure.

NOTE: Reporting Frequency - Procedure

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2016 Registry Individual Measure Flow
PQRS #384: Adult Primary Rhegmatogenous Retinal Detachment Surgery: No Return to the Operating Room Within 90 Days of Surgery

Please refer to the specific section of the Measure Specification to identify the denominator and numerator information for use in reporting this Individual Measure.

1. Start with Denominator

2. Check Patient Age:
   a. If Patient Age is greater than or equal to 18 Years on the Date of the Procedure equals No, do not include in Eligible Patient Population. Stop Processing.
   b. If Patient Age is greater than or equal to 18 Years on the Date of the Procedure equals Yes, proceed to check Patient Diagnosis.

3. Check Encounter Performed:
   a. If Encounter as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
   b. If Encounter as Listed in the Denominator equals Yes, include in the Eligible population.

4. Check Surgical Procedures that Included the Use of Silicone Oil:
   a. If Surgical Procedures that Included the Use of Silicone Oil equals Yes, do not include in Eligible Patient Population. Stop Processing.
   b. If Surgical Procedures that Included the Use of Silicone Oil equals No, include in the Eligible population.

5. Denominator Population
   a. Denominator population is all Eligible Patients in the denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 8 patients in the sample calculation.

6. Start Numerator

7. Check Patient did Not Require a Return to the Operating Room Within 90 Days of Surgery:
   a. If Patient did Not Require a Return to the Operating Room Within 90 Days of Surgery equals Yes, include in reporting met and performance met.
   b. Reporting Met and Performance Met letter is represented in the Reporting Rate and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 4 patients in Sample Calculation.
   c. If Patient did Not Require a Return to the Operating Room Within 90 Days of Surgery equals No, proceed to check Retina Not Attached at the Six Month Follow-Up Visit Following Only One Surgery.
8. Check Patient Required a Return to the Operating Room Within 90 Days of Surgery:
   a. If Patient Required a Return to the Operating Room Within 90 Days of Surgery equals Yes, include in Reporting Met and Performance Not Met.
   b. Reporting Met and Performance Not Met letter is represented in the Reporting Rate in the Sample Calculation listed at the end of this document. Letter c equals 3 procedures in the Sample Calculation.
   c. If Patient Required a Return to the Operating Room Within 90 Days of Surgery equals No, proceed to Reporting Not Met.

9. Check Reporting Not Met:
   a. If Reporting Not Met, the Quality Data Code or equivalent was not reported. 1 procedure has been subtracted from the reporting numerator in sample calculation.

| Reporting Rate= | Performance Met (a=4 procedures)+ Performance Not Met (c=3 procedures) = 7 procedures, = 87.50% |
|                 | Eligible Population / Denominator (d=8 procedures) = 8 procedures |
| Performance Rate= | Performance Met (a=4 procedures) = 4 procedures, = 57.14% |
| Reporting Numerator (7 procedures) = 7 procedures |