Primary Open Angle Glaucoma (POAG): Optic Nerve Evaluation (NQF 0086)

EMeasure Name	Primary Open Angle Glaucoma (POAG): Optic Nerve Evaluation	EMeasure Id	Pending
Version Number	1	Set Id	Pending
Available Date	No information	Measurement Period	January 1, 20xx through December 31, 20xx
Measure Steward	American Medical Association – Physician Consortium for Performance Improvement		
Endorsed by	National Quality Forum		
Description	Percentage of patients aged 18 years and older with a diagnosis of POAG who have been seen for at least 2 office visits, who have an optic nerve head evaluation during one or more office visits within 12 months.		
Measure scoring	Proportion		
Measure type	Process		
Rationale	Changes in the optic nerve are one of two characteristics which currently define progression and thus worsening of glaucoma disease status (the other characteristic is visual field). There is a significant gap in documentation patterns of the optic nerve for both initial and follow-up care (Fremont, 2003), even among specialists (Lee, 2006). Examination of the optic nerve head and retinal nerve fiber layer provides valuable structural information about glaucomatous optic nerve damage. Visible structural alterations of the optic nerve head or retinal nerve fiber layer and development of peripapillary choroidal atrophy frequently occur before visual field defects can be detected. Careful study of the optic disc neural rim for small hemorrhages is important, since these hemorrhages can precede visual field loss and further optic nerve damage.		
Clinical Recommendations	The physical exam focuses on nine elements: visual acuity, pupils, slit-lamp biomicroscopy of the anterior segment, measurement of intraocular pressure (IOP), determination of central corneal thickness, gonioscopy, evaluation of optic nerve head and retinal nerve fiber layer, documentation of optic nerve head appearance, evaluation of fundus (through dilated pupil), and evaluation of the visual field (Level A: II Recommendation for optic nerve head evaluation) (AAO, 2005).		
References			
Definitions			

Table of Contents

Please refer to the spreadsheet for this measure for detail regarding data criteria and code lists.

Population criteria

- **Initial Patient Population =**

  - AND: "Patient characteristic: birth date" (age) >=18 years;
  - AND: "Diagnosis active: primary open angle glaucoma (POAG)";
  - AND: >=2 count(s) of:
    - OR: "Encounter: encounter domiciliary" to determine the physician has a relationship with the patient;
    - OR: "Encounter: encounter nursing facility" to determine the physician has a relationship with the patient;
    - OR: "Encounter: encounter office & outpatient consult" to determine the physician has a relationship with the patient;
    - OR: "Encounter: encounter ophthalmological services" to determine the physician has a relationship with the patient;

- **Denominator =**

  - AND: All patients in the initial patient population;

- **Numerator =**

  - AND: >= 1 count(s) of "Procedure performed: optic nerve head evaluation";

- **Exclusions =**

  - AND: "Procedure not done: medical reason";

Data criteria (QDS Data Elements)

- **Initial Patient Population =**

  - "Patient characteristic: birth date" using "birth date code list" before the beginning of the "measurement period";
  - "Diagnosis active: primary open angle glaucoma (POAG)" using "primary open angle glaucoma (POAG) code list grouping" before or simultaneously to "Encounter: encounter domiciliary" OR "Encounter: encounter nursing facility" OR "Encounter: encounter office & outpatient consult" OR "Encounter: encounter ophthalmological services";
  - "Encounter: encounter domiciliary" using "encounter domiciliary code list" during the "measurement period";
  - "Encounter: encounter nursing facility" using "encounter nursing facility code list" during the "measurement period";
  - "Encounter: encounter office & outpatient consult" using "encounter office & outpatient consult code list" during the "measurement period";
  - "Encounter: encounter ophthalmological services" using "encounter ophthalmological services code list" during the "measurement period";

- **Denominator =**

    o All patients in the initial patient population;

- **Numerator =**

    o "Procedure performed: optic nerve head evaluation" using "optic nerve head evaluation code list" during "Encounter: encounter domiciliary" OR "Encounter: encounter nursing facility" OR "Encounter: encounter office & outpatient consult" OR "Encounter: encounter ophthalmological services";

- **Exclusions =**

    o "Procedure not done: medical reason" using "medical reason code list" for "Procedure performed: optic nerve head evaluation";

Summary Calculation

Calculation is generic to all measures:

- Calculate the final denominator by adding all that meet denominator criteria.
- Subtract from the final denominator all that do not meet numerator criteria yet also meet exclusion criteria. Note some measures do not have exclusion criteria.
- The performance calculation is the number meeting numerator criteria divided by the final denominator.
- For measures with multiple patient populations, repeat this process for each patient population and report each result separately.
- For measures with multiple numerators, calculate each numerator separately within each population using the paired exclusion.

| Measure set | CLINICAL QUALITY MEASURE SET 2011-2012 |