



## Complete Summary

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### TITLE

Eye care: percentage of patients aged 18 years and older with a diagnosis of primary open-angle glaucoma who have an optic nerve head evaluation during one or more office visits within 12 months.

### SOURCE(S)

American Academy of Ophthalmology, Physician Consortium for Performance Improvement®, National Committee for Quality Assurance. Eye care physician performance measurement set. Chicago (IL): American Medical Association, National Committee for Quality Assurance; 2007 Oct. 13 p. [8 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients aged 18 years and older with a diagnosis of primary open-angle glaucoma (POAG) who have an optic nerve head evaluation during one or more office visits within 12 months.

### 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, even among specialists. 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.\*

\*The following clinical recommendation statement is quoted verbatim from the referenced clinical guidelines and represents the evidence base for the measure:

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. (American Academy of Ophthalmology [AAO])

### **PRIMARY CLINICAL COMPONENT**

Primary open-angle glaucoma (POAG); optic nerve head evaluation

### **DENOMINATOR DESCRIPTION**

All patients aged 18 years and older with a diagnosis of primary open-angle glaucoma (POAG) (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

### **NUMERATOR DESCRIPTION**

Patients who have an optic nerve head evaluation during one or more office visits within 12 months

## **Evidence Supporting the Measure**

### **EVIDENCE SUPPORTING THE CRITERION OF QUALITY**

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

### **NATIONAL GUIDELINE CLEARINGHOUSE LINK**

- [Primary open-angle glaucoma.](#)

## **Evidence Supporting Need for the Measure**

### **NEED FOR THE MEASURE**

Use of this measure to improve performance

### **EVIDENCE SUPPORTING NEED FOR THE MEASURE**

Fremont AM, Lee PP, Mangione CM, Kapur K, Adams JL, Wickstrom SL, Escarce JJ. Patterns of care for open-angle glaucoma in managed care. Arch Ophthalmol 2003 Jun;121(6):777-83. [PubMed](#)

Lee PP, Walt JG, Doyle JJ, Kotak SV, Evans SJ, Budenz DL, Chen PP, Coleman AL, Feldman RM, Jampel HD, Katz LJ, Mills RP, Myers JS, Noecker RJ, Piltz-Seymour JR, Ritch RR, Schacknow PN, Serle JB, Trick GL. A multicenter, retrospective pilot study of resource use and costs associated with severity of disease in glaucoma. Arch Ophthalmol 2006 Jan;124(1):12-9. [PubMed](#)

## State of Use of the Measure

### STATE OF USE

Current routine use

### CURRENT USE

Internal quality improvement  
National reporting

## Application of Measure in its Current Use

### CARE SETTING

Ambulatory Care  
Physician Group Practices/Clinics

### PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

### LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Individual Clinicians

### TARGET POPULATION AGE

Age greater than or equal to 18 years

### TARGET POPULATION GENDER

Either male or female

### STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

## Characteristics of the Primary Clinical Component

### **INCIDENCE/PREVALENCE**

Unspecified

### **ASSOCIATION WITH VULNERABLE POPULATIONS**

Unspecified

### **BURDEN OF ILLNESS**

Unspecified

### **UTILIZATION**

Unspecified

### **COSTS**

Unspecified

## Institute of Medicine National Healthcare Quality Report Categories

### **IOM CARE NEED**

Living with Illness

### **IOM DOMAIN**

Effectiveness

## Data Collection for the Measure

### **CASE FINDING**

Users of care only

### **DESCRIPTION OF CASE FINDING**

All patients aged 18 years and older with a diagnosis of primary open-angle glaucoma (POAG)

### **DENOMINATOR SAMPLING FRAME**

Patients associated with provider

### **DENOMINATOR INCLUSIONS/EXCLUSIONS**

**Inclusions**

All patients aged 18 years and older with a diagnosis of primary open-angle glaucoma (POAG)

**Exclusions**

- Documentation of medical reason(s) for not performing an optic nerve head evaluation
- Documentation of system reason(s) for not performing an optic nerve head evaluation

**Note:** The system reason exclusion may be used if a physician is asked to report on this measure but is not the physician providing the primary management for POAG.

**RELATIONSHIP OF DENOMINATOR TO NUMERATOR**

All cases in the denominator are equally eligible to appear in the numerator

**DENOMINATOR (INDEX) EVENT**

Clinical Condition  
Encounter

**DENOMINATOR TIME WINDOW**

Time window is a single point in time

**NUMERATOR INCLUSIONS/EXCLUSIONS****Inclusions**

Patients who have an optic nerve head evaluation during one or more office visits within 12 months

**Exclusions**

None

**MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS**

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

**NUMERATOR TIME WINDOW**

Encounter or point in time

**DATA SOURCE**

Administrative data  
Medical record

**LEVEL OF DETERMINATION OF QUALITY**

Individual Case

**PRE-EXISTING INSTRUMENT USED**

Unspecified

**Computation of the Measure**

**SCORING**

Rate

**INTERPRETATION OF SCORE**

Better quality is associated with a higher score

**ALLOWANCE FOR PATIENT FACTORS**

Unspecified

**STANDARD OF COMPARISON**

Internal time comparison

**Evaluation of Measure Properties**

**EXTENT OF MEASURE TESTING**

Unspecified

**Identifying Information**

**ORIGINAL TITLE**

Measure #1 primary open-angle glaucoma: optic nerve evaluation.

**MEASURE COLLECTION**

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

**MEASURE SET NAME**

[Eye Care Physician Performance Measurement Set](#)

**SUBMITTER**

American Medical Association on behalf of the American Academy of Ophthalmology, the National Committee for Quality Assurance, and the Physician Consortium for Performance Improvement®

**DEVELOPER**

American Academy of Ophthalmology  
National Committee for Quality Assurance  
Physician Consortium for Performance Improvement®

**FUNDING SOURCE(S)**

Unspecified

**COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE**

Paul P. Lee, MD, JD (*Co-Chair*); Jinet B. Fowles, PhD (*Co-Chair*); Richard L. Abbott, MD; Lloyd P. Aiello, MD, PhD; Priscilla P. Arnold, MD; Richard Hellman, MD, FACP, FACE; Leon W. Herndon, MD; Kenneth J. Hoffer, MD; Jeffrey S. Karlik, MD; Mathew W. MacCumber, MD, PhD; Mildred M.G. Olivier, MD; James L. Rosenzweig, MD, FACE; Sam J.W. Romeo, MD, MBA; John T. Thompson, MD

Andrea Gelzer, MD, MS, FACP, Health Plan Representative (HealthNet)

Rebecca A. Kresowik, Consortium Consultant; Timothy F. Kresowik, MD, Consortium Consultant

Flora Lum, MD, American Academy of Ophthalmology

Heidi Bossley, MSN, MBA, American Medical Association; Karen Kmetik, PhD, American Medical Association

**FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST**

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

**ENDORSER**

National Quality Forum

**INCLUDED IN**

Ambulatory Care Quality Alliance  
Physician Quality Reporting Initiative

**ADAPTATION**

Measure was not adapted from another source.

**RELEASE DATE**

2006 Oct

**REVISION DATE**

2007 Oct

**MEASURE STATUS**

This is the current release of the measure.

**SOURCE(S)**

American Academy of Ophthalmology, Physician Consortium for Performance Improvement®, National Committee for Quality Assurance. Eye care physician performance measurement set. Chicago (IL): American Medical Association, National Committee for Quality Assurance; 2007 Oct. 13 p. [8 references]

**MEASURE AVAILABILITY**

The individual measure, "Measure #1 Primary Open-Angle Glaucoma: Optic Nerve Evaluation," is published in the "Eye Care Physician Performance Measurement Set." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site: [www.physicianconsortium.org](http://www.physicianconsortium.org).

For further information, please contact AMA staff by e-mail at [cqi@ama-assn.org](mailto:cqi@ama-assn.org).

**NQMC STATUS**

This NQMC summary was completed by ECRI Institute on February 11, 2008. The information was verified by the measure developer on April 14, 2008.

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