

Quality ID #91 (NOF 0653): Acute Otitis Externa (AOE): Topical Therapy – National Quality Strategy
Domain: Effective Clinical Care

2018 OPTIONS FOR INDIVIDUAL MEASURES:
REGISTRY ONLY

MEASURE TYPE:
Process

DESCRIPTION:
Percentage of patients aged 2 years and older with a diagnosis of AOE who were prescribed topical preparations

INSTRUCTIONS:
This measure may be submitted based on the actions of the submitting eligible clinician who performs the quality action, described in the measure, based on services provided within measure-specific denominator coding. This measure is to be submitted once for **each occurrence** of AOE during the performance period. For the purpose of submitting this measure, only unique occurrences with an onset of AOE diagnosing within the current performance period will be submitted. A unique occurrence of AOE is defined as the period of time that begins with the onset of AOE diagnosing and ends 30 days after the onset of diagnosing..

Eligible clinicians who submit this measure may also find Quality ID #93: Acute Otitis Externa: Systemic Antimicrobial Therapy – Avoidance of Inappropriate Use to be clinically relevant. The measure developer intended for Quality ID #91: Acute Otitis Externa (AOE): Topical Therapy and Quality ID #93: Acute Otitis Externa (AOE): Systemic Antimicrobial Therapy- Avoidance of Inappropriate Use to be paired measures, as they can both be implemented to measure care provided to patients diagnosed with diffuse, uncomplicated AOE.

Measure Submission:

The listed denominator criteria is used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions allowed by 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.

DENOMINATOR:
All patients aged 2 years and older with a diagnosis of AOE

DENOMINATOR NOTE: A new diagnosis code indicates a new occurrence of AOE. If a patient presents with right ear AOE then returns with new onset of left ear AOE symptoms, then the left ear AOE would be considered a new unique occurrence, separate from the right ear AOE.

Denominator Criteria (Eligible Cases):

Patients aged ≥ 2 years on date of encounter

AND

Diagnosis for AOE (ICD-10-CM): H60.311, H60.312, H60.313, H60.319, H60.321, H60.322, H60.323, H60.329, H60.331, H60.332, H60.333, H60.339, H60.391, H60.392, H60.393, H60.399, H60.501, H60.502, H60.503, H60.509, H60.511, H60.512, H60.513, H60.519, H60.521, H60.522, H60.523, H60.529, H60.531, H60.532, H60.533, H60.539, H60.541, H60.542, H60.543, H60.549, H60.551, H60.552, H60.553, H60.559, H60.591, H60.592, H60.593, H60.599, H60.8X3, H62.40, H62.41, H62.42, H62.43,

AND

Patient encounter during the performance period (CPT): 99201, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215, 99281, 99282, 99283, 99284, 99285, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350

WITHOUT

Telehealth Modifier: GQ, GT, 95, POS 02

NUMERATOR:

Patients who were prescribed topical preparations

NUMERATOR NOTE: Denominator Exception(s) are determined on the date of the denominator eligible encounter/diagnosis.

Definition:

Prescribed – May include prescription given to the patient for topical preparations at one or more visits during the episode of AOE OR patient already receiving topical preparations as documented in the current medication list.

Numerator Options:

Performance Met:

Topical preparations (including OTC) prescribed for acute otitis externa **(4130F)**

OR

Denominator Exception:

Documentation of medical reason(s) for not prescribing topical preparations (including OTC) for acute otitis externa **(4130F with 1P)**

OR

Denominator Exception:

Documentation of patient reason(s) for not prescribing topical preparations (including OTC) for acute otitis externa **(4130F with 2P)**

OR

Performance Not Met:

Topical preparations (including OTC) for acute otitis externa (AOE) not prescribed, reason not otherwise specified **(4130F with 8P)**

RATIONALE:

Topical preparations should be used to treat AOE as they are active against the most common bacterial pathogens in AOE, *Pseudomonas aeruginosa* and *Staphylococcus aureus*. Topical preparations are recommended as initial therapy for diffuse, uncomplicated AOE because of safety, efficacy over placebo in randomized controlled trials, and excellent clinical and bacteriologic outcomes in comparative studies. Topical preparations have demonstrated efficacy in the treatment of AOE with resolution in about 65-90% of patients.

CLINICAL RECOMMENDATION STATEMENTS:

Clinicians should prescribe topical preparations for initial therapy of diffuse, uncomplicated AOE.

Recommendation based on randomized controlled trials with some heterogeneity and a preponderance of benefit over harm. [Aggregate evidence quality – Grade B] (AAO-HNSF, 2014)

The purpose of this statement is to emphasize the importance of topical therapy, without systemic antibiotics, for initial management of uncomplicated AOE.

COPYRIGHT:

The Measures are not clinical guidelines, do not establish a standard of medical care, and have not been tested for all potential applications.

The Measures, while copyrighted, can be reproduced and distributed, without modification, for noncommercial purposes, e.g. use by health care providers in connection with their practices. Commercial use is defined as the sale,

license, or distribution of the Measures for commercial gain, or incorporation of the Measures into a product or service that is sold, licensed or distributed for commercial gain.

Commercial uses of the Measures require a license agreement between the user and the PCPI® Foundation (PCPI®); or the American Academy of Otolaryngology – Head and Neck Surgery Foundation (AAO-HNS Foundation). Neither AAO-HNS, nor AAO-HNS Foundation, nor the American Medical Association (AMA), nor the AMA-convened Physician Consortium for Performance Improvement® (AMA-PCPI), now known as the PCPI, nor their members shall be responsible for any use of the Measures.

The AMA's and AMA-PCPI's significant past efforts and contributions to the development and updating of the Measures is acknowledged. AAO-HNS and AAO-HNS Foundation are solely responsible for the review and enhancement ("Maintenance") of the Measures as of August 14, 2014.

AAO-HNS and AAO-HNS Foundation encourage use of the Measures by other health care professionals, where appropriate.

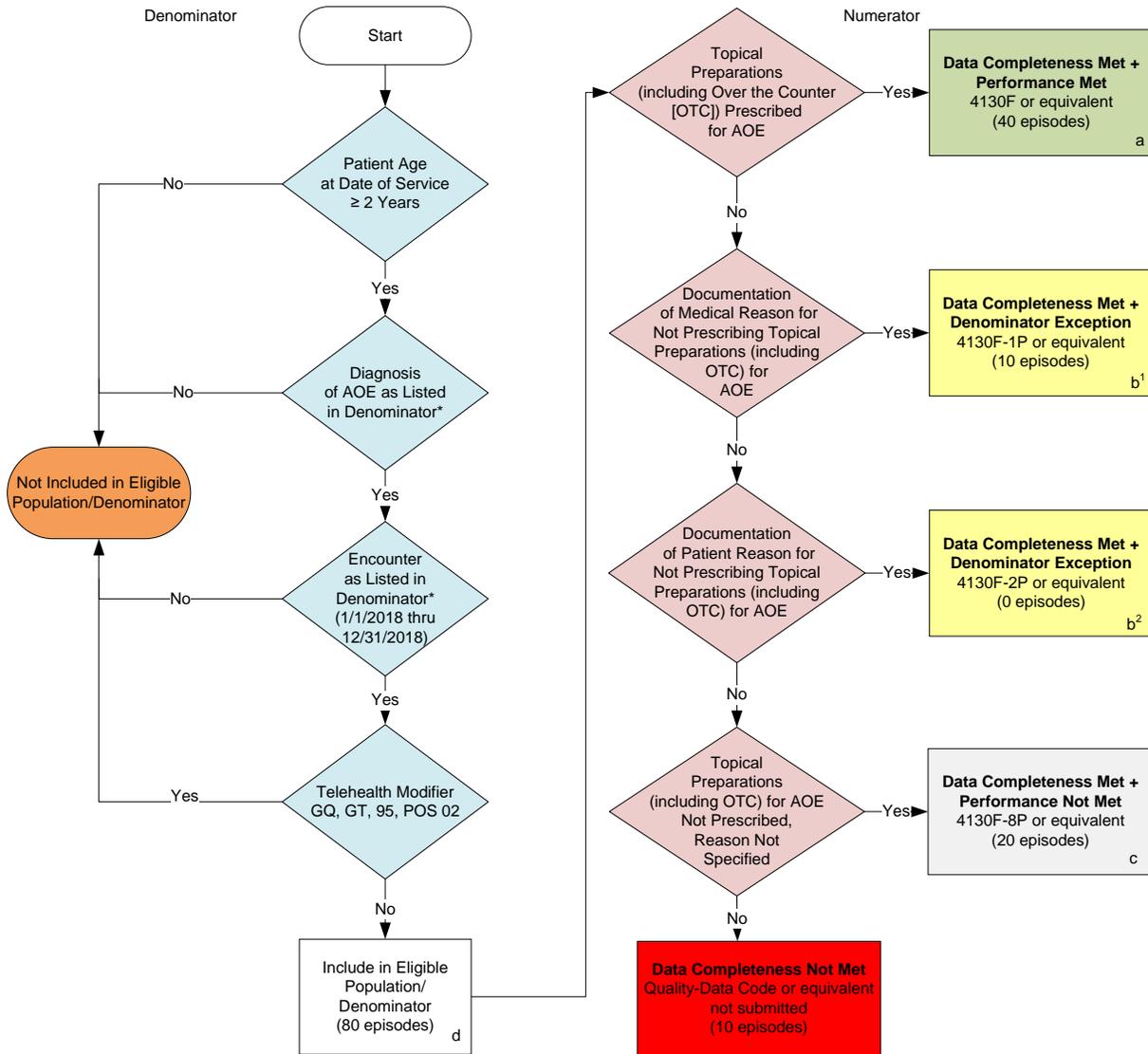
THE MEASURES AND SPECIFICATIONS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND.

© 2017 PCPI® Foundation and American Academy of Otolaryngology – Head and Neck Surgery and American Academy of Otolaryngology – Head and Neck Surgery Foundation. All Rights Reserved.

Limited proprietary coding is contained in the Measure specifications for convenience. Users of the proprietary code sets should obtain all necessary licenses from the owners of these code sets. AAO-HNS, AAO-HNS Foundation, the AMA, the PCPI and its members and former members of the AMA-PCPI disclaim all liability for use or accuracy of any Current Procedural Terminology (CPT®) or other coding contained in the specifications.

CPT® contained in the Measures specifications is copyright 2004-2017 American Medical Association. LOINC® copyright 2004-2017 Regenstrief Institute, Inc. SNOMED CLINICAL TERMS (SNOMED CT®) copyright 2004-2017 The International Health Terminology Standards Development Organization (IHTSDO). ICD-10 is copyright 2017 World Health Organization. All Rights Reserved.

2018 Registry Flow for Quality ID #91 NQF #0653: Acute Otitis Externa (AOE): Topical Therapy



SAMPLE CALCULATIONS:

Data Completeness=

$$\frac{\text{Performance Met (a=40 episodes)} + \text{Denominator Exceptions (b}^1\text{+b}^2\text{=10 episodes)} + \text{Performance Not Met (c=20 episodes)}}{\text{Eligible Population / Denominator (d=80 episodes)}} = \frac{70 \text{ episodes}}{80 \text{ episodes}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=40 episodes)}}{\text{Data Completeness Numerator (70 episodes) - Denominator Exception (b}^1\text{+b}^2\text{=10 episodes)}} = \frac{40 \text{ episodes}}{60 \text{ episodes}} = 66.67\%$$

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

NOTE: Submission Frequency: Episode

CPT only copyright 2017 American Medical Association. All rights reserved.
The measure diagrams were developed by CMS as a supplemental resource to be used in conjunction with the measure specifications. They should not be used alone or as a substitution for the measure specification.

v2

2018 Registry Flow For Quality ID

#91 NQF #0653: Acute Otitis Externa (AOE): Topical Therapy

Please refer to the specific section of the specification to identify the denominator and numerator information for use in submitting this Individual Specification. This flow is for registry data submission.

1. Start with Denominator
2. Check Patient Age:
 - a. If the Age is greater than or equal to 2 years of age at Date of Service and equals No during the measurement period, do not include in Eligible Patient Population. Stop Processing.
 - b. If the Age is greater than or equal to 2 years of age at Date of Service and equals Yes during the measurement period, proceed to check Patient Diagnosis.
3. Check Patient Diagnosis:
 - a. If Diagnosis for AOE as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
 - b. If Diagnosis for AOE as Listed in the Denominator equals Yes, proceed to Check Encounter Performed.
4. Check Encounter Performed:
 - a. If Encounter as Listed in Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
 - b. If Encounter as Listed in Denominator equals Yes, proceed to check Telehealth Modifier.
5. Check Telehealth Modifier:
 - a. If Telehealth Modifier equals Yes, do not include in Eligible Patient Population. Stop Processing.
 - b. If Telehealth Modifier equals No, include in the Eligible population.
6. 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 80 episodes in the sample calculation.
7. Start Numerator
8. Check Topical Preparations (including Over the Counter) Prescribed for AOE:
 - a. If Topical Preparations (including Over the Counter) Prescribed for AOE equals Yes, include in Data Completeness Met and Performance Met.
 - b. Data Completeness Met and Performance Met letter is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 40 episodes in Sample Calculation.
 - c. If Topical Preparations (including Over the Counter) Prescribed for AOE equals No, proceed to Documentation of Medical Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE.
9. Check Documentation of Medical Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE:
 - a. If Documentation of Medical Reason for Not Prescribing Topical Preparations for AOE equals Yes, include in the Data Completeness Met and Denominator Exception.

- b. Data Completeness Met and Denominator Exception is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter b¹ equals 10 episodes in the Sample Calculation.
 - c. If Documentation of Medical Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE equals No, proceed to Documentation of Patient Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE.
10. Check Documentation of Patient Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE:
- a. If Documentation of Patient Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE equals Yes, include in the Data Completeness Met and Denominator Exception.
 - b. Data Completeness Met and Denominator Exception is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter b² equals 0 episodes in the Sample Calculation.
 - c. If Documentation of Patient Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE equals No, proceed to Topical Preparations for AOE Not Prescribed, Reason Not Specified.
11. Check Topical Preparations (Including Over the Counter) for AOE Not Prescribed, Reason Not Specified:
- a. If Topical Preparations (Including Over the Counter) for AOE Not Prescribed, Reason Not Specified equals Yes, include in the Data Completeness Met and Performance Not Met.
 - b. Data Completeness Met and Performance Not Met is represented in the Data Completeness in the Sample Calculation listed at the end of this document. Letter c equals 20 episodes in the Sample Calculation.
 - c. If Topical Preparations (Including Over the Counter) for AOE Not Prescribed, Reason Not Specified equals No, proceed to Data Completeness Not Met.
12. Check Data Completeness Not Met:
- a. If Data Completeness Not Met, the Quality Data Code or equivalent was not submitted. 10 episodes have been subtracted from the data completeness numerator in sample calculation.

SAMPLE CALCULATIONS:

Data Completeness=

$$\frac{\text{Performance Met (a=40 episodes) + Denominator Exceptions (b}^1\text{+b}^2\text{=10 episodes) + Performance Not Met (c=20 episodes)}}{\text{Eligible Population / Denominator (d=80 episodes)}} = \frac{70 \text{ episodes}}{80 \text{ episodes}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=40 episodes)}}{\text{Data Completeness Numerator (70 episodes) - Denominator Exception (b}^1\text{+b}^2\text{=10 episodes)}} = \frac{40 \text{ episodes}}{60 \text{ episodes}} = 66.67\%$$