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

<u>2017 OPTIONS FOR INDIVIDUAL MEASURES:</u>
CLAIMS ONLY

<u>MEASURE TYPE:</u>
Process

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

<u>INSTRUCTIONS:</u>
This measure may be reported based on the actions of the reporting 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 reported once for <u>each occurrence</u> of AOE during the **performance period**. Each unique occurrence is defined as a 30-day period from onset of AOE. Claims data will be analyzed to determine unique occurrences. If multiple claims are submitted within that 30-day period, only one instance of reporting will be counted.

Eligible clinicians who report on this measure may also find Measure #93: Acute Otitis Externa: Systemic Antimicrobial Therapy – Avoidance of Inappropriate Use to be clinically relevant. The measure developer intended for measures #91: Acute Otitis Externa (AOE): Topical Therapy and #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 Reporting:**
The listed denominator criteria is used to identify the intended patient population. The numerator quality-data codes included in this specification are used to submit the quality actions allowed by the measure. All measure-specific coding should be reported on the claim(s) representing the eligible encounter.

<u>DENOMINATOR:</u>
All patients aged 2 years and older with a diagnosis of AOE

> <u>Denominator Criteria (Eligible Cases):</u>
> Patients aged ≥ 2 years on date of encounter
> **AND**
> **Diagnosis for AOE (ICD-10-CM):** H60.00, H60.01, H60.02, H60.03, H60.10, H60.11, H60.12, H60.13, 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, H61.90, H61.91, H61.92, H61.93, H62.40, H62.41, H62.42, H62.43, H62.8x1, H62.8x2, H62.8x3, H62.8x9 <u>AND</u>
> **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
> <u>WITHOUT</u>
> **Telehealth Modifier:** GQ, GT

<u>NUMERATOR:</u>
Patients who were prescribed topical preparations

<u>Definition:</u>
**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.

<u>Numerator Quality-Data Coding Options:</u>
**Topical Preparations Prescribed for Acute Otitis Externa**
*Performance Met:* CPT II 4130F:         Topical preparations (including OTC) prescribed for acute otitis externa

<u>OR</u>

**Topical Preparations not Prescribed for Acute Otitis Externa for a Medical Reason**
Append a modifier (1P) to CPT Category II code 4130F to report documented circumstances that appropriately exclude patients from the denominator.
*Denominator Exception:* 4130F *with* 1P:      Documentation of medical reason(s) for not prescribing topical preparations (including OTC) for acute otitis externa (eg, coexisting acute otitis media, tympanic membrane perforation)

<u>OR</u>

**Topical Preparations not Prescribed for Acute Otitis Externa for a Patient Reason**
Append a modifier (2P) to CPT Category II code 4130F to report documented circumstances that appropriately exclude patients from the denominator.
*Denominator Exception:* 4130F *with* 2P:      Documentation of patient reason(s) for not prescribing topical preparations (including OTC) for acute otitis externa

<u>OR</u>

**Topical Preparations not Prescribed for Acute Otitis Externa, Reason not Otherwise Specified**
Append a reporting modifier (8P) to CPT Category II code 4130F to report circumstances when the action described in the numerator is not performed and the reason is not otherwise specified.
*Performance Not Met:* 4130F *with* 8P:      Topical preparations (including OTC) for acute otitis externa (AOE) not prescribed, reason not otherwise specified

<u>RATIONALE:</u>
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.

<u>CLINICAL RECOMMENDATION STATEMENTS:</u>
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.

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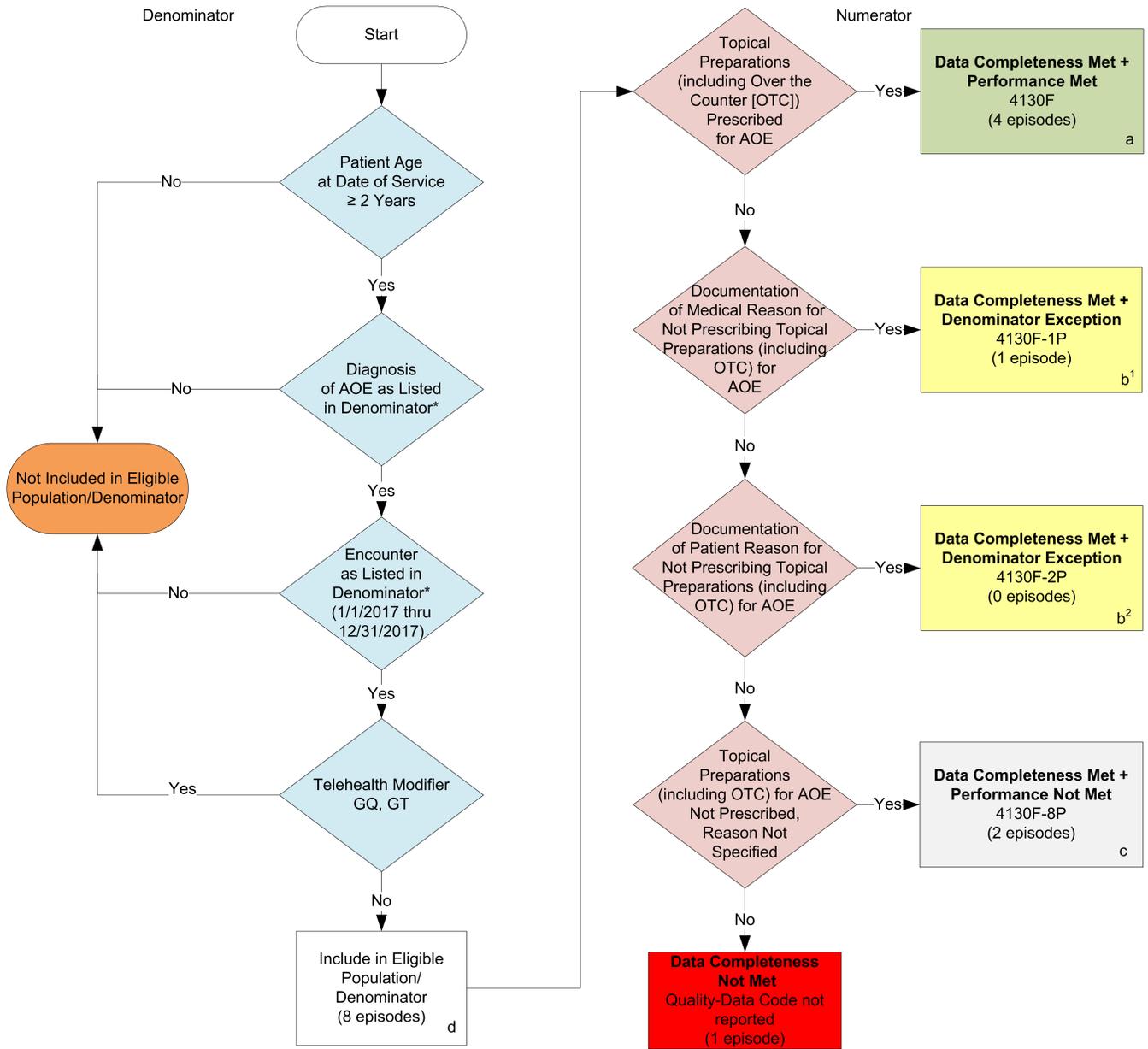
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# 2017 Claims Individual Measure Flow
## #91 NQF #0653: Acute Otitis Externa (AOE): Topical Therapy

**Denominator**

Start

Patient Age at Date of Service ≥ 2 Years — No → Not Included in Eligible Population/Denominator

Yes

Diagnosis of AOE as Listed in Denominator* — No → Not Included in Eligible Population/Denominator

Yes

Encounter as Listed in Denominator* (1/1/2017 thru 12/31/2017) — No → Not Included in Eligible Population/Denominator

Yes

Telehealth Modifier GQ, GT — Yes → Not Included in Eligible Population/Denominator

No

Include in Eligible Population/ Denominator (8 episodes)  d

**Numerator**

Topical Preparations (including Over the Counter [OTC]) Prescribed for AOE — Yes → **Data Completeness Met + Performance Met** 4130F (4 episodes)  a

No

Documentation of Medical Reason for Not Prescribing Topical Preparations (including OTC) for AOE — Yes → **Data Completeness Met + Denominator Exception** 4130F-1P (1 episode)  $b^1$

No

Documentation of Patient Reason for Not Prescribing Topical Preparations (including OTC) for AOE — Yes → **Data Completeness Met + Denominator Exception** 4130F-2P (0 episodes)  $b^2$

No

Topical Preparations (including OTC) for AOE Not Prescribed, Reason Not Specified — Yes → **Data Completeness Met + Performance Not Met** 4130F-8P (2 episodes)  c

No

**Data Completeness Not Met** Quality-Data Code not reported (1 episode)

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**SAMPLE CALCULATIONS:**

Data Completeness=

$$\frac{\text{Performance Met (a=4 episodes) + Denominator Exception } (b^1+b^2=1 \text{ episode}) + \text{Performance Not Met (c=2 episodes)}}{\text{Eligible Population / Denominator (d=8 episodes)}} = \frac{7 \text{ episodes}}{8 \text{ episodes}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=4 episodes)}}{\text{Data Completeness Numerator (7 episodes) – Denominator Exception } (b^1+b^2=1 \text{ episode})} = \frac{4 \text{ episodes}}{6 \text{ episodes}} = 66.67\%$$

*See the posted Measure Specification for specific coding and instructions to report this measure.
NOTE: Reporting Frequency: Episode

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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.

v1

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 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 8 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 4 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.

    d.   Check Documentation of Medical Reason for Not Prescribing Topical Preparations (Including Over the Counter) for AOE:

9.  If Documentation of Medical Reason for Not Prescribing Topical Preparations for AOE equals Yes, include in the Data Completeness Met and Denominator Exception.

    a.   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 1 episode in the Sample Calculation.

    b.   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 2 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 was not reported. 1 episode has been subtracted from the data completeness numerator in sample calculation.

### SAMPLE CALCULATIONS:

**Data Completeness=**

$$\frac{\text{Performance Met (a=4 episodes) + Denominator Exception } (b^1+b^2=1 \text{ episode}) + \text{Performance Not Met (c=2 episodes)}}{\text{Eligible Population / Denominator (d=8 episodes)}} = \frac{7 \text{ episodes}}{8 \text{ episodes}} = 87.50\%$$

**Performance Rate=**

$$\frac{\text{Performance Met (a=4 episodes)}}{\text{Data Completeness Numerator (7 episodes) } - \text{ Denominator Exception } (b^1+b^2=1 \text{ episode})} = \frac{4 \text{ episodes}}{6 \text{ episodes}} = 66.67\%$$