Measure #278: Sleep Apnea: Positive Airway Pressure Therapy Prescribed – National Quality Strategy Domain: Effective Clinical Care

2017 OPTIONS FOR INDIVIDUAL MEASURES:
REGISTRY ONLY

MEASURE TYPE:
Process

DESCRIPTION:
Percentage of patients aged 18 years and older with a diagnosis of moderate or severe obstructive sleep apnea who were prescribed positive airway pressure therapy

INSTRUCTIONS:
This measure is to be reported a minimum of **once per performance period** for patients with a diagnosis of sleep apnea seen during the performance period. This measure may be reported by eligible clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

Measure Reporting:
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 18 years and older with a diagnosis of sleep apnea

> Denominator Criteria (Eligible Cases):
> Patients aged ≥ 18 years on date of encounter
> AND
> **Diagnosis for sleep apnea (ICD-10-CM):** G47.30, G47.33
> AND
> **Patient encounter during the performance period (CPT):** 99201, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350
> WITHOUT
> **Telehealth Modifier:** GQ, GT
> AND
> **Moderate or severe obstructive sleep apnea (apnea hypopnea index (AHI) or respiratory disturbance index (RDI) of 15 or greater):** G8846

NUMERATOR:
Patients who were prescribed positive airway pressure therapy

> Definition:
> **Moderate or severe sleep apnea** - apnea hypopnea index (AHI) or a respiratory disturbance index (RDI) greater than or equal to 15 episodes per hour of sleep

> Numerator Options:
> *Performance Met:*   Positive airway pressure therapy prescribed **(G8845)**

OR

Denominator Exception:	Documentation of reason(s) for not prescribing positive airway pressure therapy (e.g., patient unable to tolerate, alternative therapies used, patient declined, financial, insurance coverage) **(G8849)**

OR

Performance Not Met:	Positive airway pressure therapy not prescribed, reason not given **(G8850)**

RATIONALE:
All patients with moderate to severe obstructive sleep apnea (OSA) should have an initial trial of nasal continuous positive air pressure (CPAP); Level 1 evidence also recommends that patients with severe OSA should have an initial trial of nasal CPAP because greater effectiveness has been shown with this intervention than with the use of other treatments (Kushida et al, 2006). Level 1 studies also show that CPAP eliminates respiratory disturbances, reducing the apnea hypopnea index (AHI). All of the 11 clinical trials that studied this outcome demonstrated that CPAP was superior to placebo, conservative management, and positional therapy. This effect was demonstrated during follow-up polysomnography (Gay et al, 2006). Treatment with CPAP must be based on a prior diagnosis of OSA established using an acceptable method of diagnosis.

CLINICAL RECOMMENDATION STATEMENTS:
CPAP is indicated for the treatment of moderate to severe OSA (Level 1). CPAP is recommended for the treatment of mild OSA (Level 2). CPAP is indicated for improving self-reported sleepiness in patients with OSA (Level 1). This recommendation is based on 10 randomized controlled trials in which CPAP reduced sleepiness more than control procedures in patients with OSA. CPAP is recommended for improving quality of life in patients with OSA. (Kushida et al, 2006) (Level 1 and Level 2 studies)

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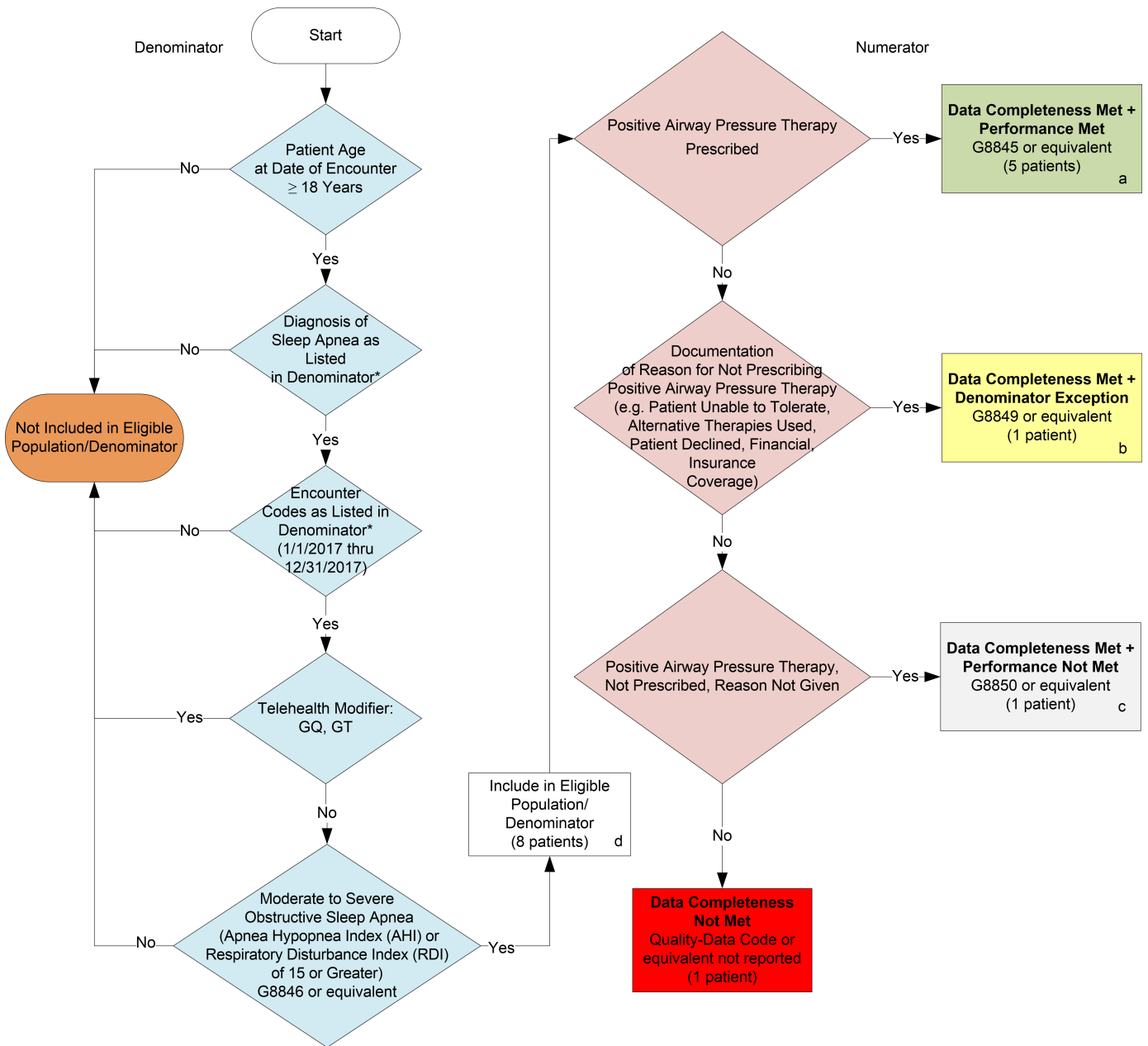**THE MEASURES AND SPECIFICATIONS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND.**

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2017 Registry Individual Measure Flow
#278: Sleep Apnea: Positive Airway Pressure Therapy Prescribed

Denominator

Numerator

Start

Patient Age at Date of Encounter ≥ 18 Years — No → Not Included in Eligible Population/Denominator

Yes ↓

Diagnosis of Sleep Apnea as Listed in Denominator* — No →

Yes ↓

Encounter Codes as Listed in Denominator* (1/1/2017 thru 12/31/2017) — No →

Yes ↓

Telehealth Modifier: GQ, GT — Yes →

No ↓

Moderate to Severe Obstructive Sleep Apnea (Apnea Hypopnea Index (AHI) or Respiratory Disturbance Index (RDI) of 15 or Greater) G8846 or equivalent — No → Not Included in Eligible Population/Denominator

Yes → Include in Eligible Population/ Denominator (8 patients) **d**

Positive Airway Pressure Therapy Prescribed — Yes → **Data Completeness Met + Performance Met** G8845 or equivalent (5 patients) **a**

No ↓

Documentation of Reason for Not Prescribing Positive Airway Pressure Therapy (e.g. Patient Unable to Tolerate, Alternative Therapies Used, Patient Declined, Financial, Insurance Coverage) — Yes → **Data Completeness Met + Denominator Exception** G8849 or equivalent (1 patient) **b**

No ↓

Positive Airway Pressure Therapy, Not Prescribed, Reason Not Given — Yes → **Data Completeness Met + Performance Not Met** G8850 or equivalent (1 patient) **c**

No ↓

Data Completeness Not Met Quality-Data Code or equivalent not reported (1 patient)

SAMPLE CALCULATIONS:

Data Completeness=

Performance Met (a=5 patients) + Denominator Exception (b=1 patient) + Performance Not Met (c=1 patient) = 7 patients = **87.50%**
Eligible Population / Denominator (d=8 patients)   = 8 patients

Performance Rate=

Performance Met (a=5 patients)   = 5 patients = **83.33%**
Data Completeness Numerator (7 patients) – Denominator Exception (b=1 patient) = 6 patients

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

NOTE: Reporting Frequency: Patient-process

v1

2017 Registry Individual Measure Flow
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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 18 years of age on 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 18 years of age on Date of Service and equals Yes during the measurement period, proceed to check Patient Diagnosis.

3. Check Patient Diagnosis:

   a. If Diagnosis of Sleep Apnea as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.

   b. If Diagnosis of Sleep Apnea as Listed in the Denominator equals Yes, proceed to check Current Encounter Performed.

4. 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, 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, proceed to check Moderate to Severe Obstructive Sleep Apnea (Apnea Hypopnea Index (AHI) or Respiratory Disturbance Index (RDI) of 15 or Greater).

6. Check Moderate to Severe Obstructive Sleep Apnea (Apnea Hypopnea Index (AHI) or Respiratory Disturbance Index (RDI) of 15 or Greater):

   a. If Moderate to Severe Obstructive Sleep Apnea (Apnea Hypopnea Index (AHI) or Respiratory Disturbance Index (RDI) of 15 or Greater) include in Eligible Population equals No, do not include in Eligible Patient Population. Stop Processing.

   b. If Moderate to Severe Obstructive Sleep Apnea (Apnea Hypopnea Index (AHI) or Respiratory Disturbance Index (RDI) of 15 or Greater) equals Yes, include in Eligible Population.

7. 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.

8. Start Numerator

9. Check Positive Airway Pressure Therapy Prescribed:

   a. If Positive Airway Pressure Therapy Prescribed equals Yes, include in Data Completeness Met and Performance Met.

   b. Data Completeness Met and Performance Met is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 5 patients in Sample Calculation.

   c. If Positive Airway Pressure Therapy Prescribed equals No, proceed to Documentation of Reason for Not Prescribing Positive Airway Pressure Therapy (e.g. Patient Unable to Tolerate, Alternative Therapies Used, Patient Declined, Financial, Insurance Coverage).

10. Check Documentation of Reason for Not Prescribing Positive Airway Pressure Therapy (e.g. Patient Unable to Tolerate, Alternative Therapies Used, Patient Declined, Financial, Insurance Coverage):

    a. If Documentation of Reason for Not Prescribing Positive Airway Pressure Therapy (e.g. Patient Unable to Tolerate, Alternative Therapies Used, Patient Declined, Financial, Insurance Coverage) equals Yes, include in 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 b equals 1patient in Sample Calculation.

    c. If Documentation of Reason for Not Prescribing Positive Airway Pressure Therapy (e.g. Patient Unable to Tolerate, Alternative Therapies Used, Patient Declined, Financial, Insurance Coverage) equals No, proceed to Positive Airway Pressure Therapy, Not Prescribed, Reason Not Given.

11. Check Positive Airway Pressure Therapy, Not Prescribed, Reason Not Given:

    a. If Positive Airway Pressure Therapy, Not Prescribed, Reason Not Given equals Yes, include in 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 1 patient in the Sample Calculation.

    c. If Positive Airway Pressure Therapy, Not Prescribed, Reason Not Given equals No, proceed to Data Completeness Not Met.

12. Check Data Completeness Not Met:

    a. If Data Completeness Not Met equals No, Quality Data Code or equivalent not reported. 1 patient has been subtracted from the data completeness numerator in the sample calculation.

SAMPLE CALCULATIONS:

Data Completeness=

$$\frac{\text{Performance Met (a=5 patients) + Denominator Exception (b=1 patient) + Performance Not Met (c=1 patient)} = \text{7 patients}}{\text{Eligible Population / Denominator (d=8 patients)} = \text{8 patients}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=5 patients)} = \text{5 patients}}{\text{Data Completeness Numerator (7patients) – Denominator Exception (b=1 patient)} = \text{6 patients}} = 83.33\%$$