American Society of Plastic Surgeons® (ASPS®)

Rhinoplasty

Performance Measurement Set

PUBLIC COMMENT DRAFT MEASURE SET- 6/5/2018

ASPS Approved: ?? (Goal is Sept, 2018)



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Intended Audience, Care Setting and Patient Population

These measures are designed for use by physicians and other health care professionals who perform Rhinoplasty procedures on patients 15 years and older.

These measures are meant to be used to calculate performance and/or reporting at the individual clinician level.

Importance of Topic

Incidence, Prevalence, & Cost

Rhinoplasty—a surgical procedure that alters the shape or appearance of the nose while preserving or enhancing the nasal airway—ranks among the most commonly performed cosmetic procedures in the United States, with >200,000 procedures reported annually. As facial cosmetic enhancement has become more routine and socially acceptable, the procedure has increased in popularity in the United States and around the world. In Latin American countries, rhinoplasty is the most commonly performed facial cosmetic procedure. (Ishii, Tollefson, Basura et al 2017)

Rhinoplasty is more than just a cosmetic procedure because it often seeks to enhance function by improving nasal respiration and relieving obstruction that is congenital or acquired. This dual role is reflected in the following qualifying statements to the term rhinoplasty as used in the AAO-HNS guideline (Ishii, Tollefson, Basura et al 2017) and in this measure set as well:

- •Rhinoplasty is defined as a surgical procedure that alters the shape or appearance of the nose while preserving or enhancing the nasal airway. The change in appearance may be a consequence of addressing a functional abnormality (eg, deviated caudal septum, nasal valve compromise) and for cosmetic purposes (eg, an incidental cosmetic procedure).
- •The primary reason for surgery can be aesthetic, functional, or both, and it may include adjunctive procedures on the nasal septum, nasal valve, nasal turbinates, or the paranasal sinuses.
- •When these adjunctive procedures, however, are performed without an impact on nasal shape or appearance, they do not meet the definition of rhinoplasty and are therefore excluded from further consideration in this measure set—for example, septoplasty alone without an incidental or intended cosmetic component.

Technical Specifications: Introduction

The performance measures found in this document have been developed to enable the physician to track his or her performance in individual patient care across patient populations. *Please note that the*

provision of surgical procedures must be based on individual patient needs and professional judgment.

Performance measures are not to be used as a substitute for clinical guidelines and individual physician clinical judgment. There may be instances where an individual patient falls outside the parameters for the performance measure(s); however, this does not necessarily mean that they should not have the procedure. Whether or not a patient should undergo a specific procedure is a decision that needs to be made between the patient and the physician while weighing the risks and benefits of the procedure, along with individual patient preference.

There are several data sources available for collecting performance measures; generally different data sources require different sets of measure specifications, due to the structure of the systems storing the data.

Quality measure technical specifications for administrative data sources are developed with administrative code sets –ICD-10-CM and CPT, for example. A measure intended for administrative data source use or reporting may have significant differences in the specifications due to the nature of the various data sources. In administrative data sources, administrative or billing codes are typically used to identify eligible populations and reported immediately following the provision of care.

Quality measure technical specifications for electronic data sources are developed in alignment with national standards for clinical quality measures. Based on a measure's intended data sources, coding terminology recommendations and tools are used to create specifications to allow for clinical quality measure reporting. In electronic clinical data sources, data can be aggregated over a specific time period and also allow for greater ability to express certain types of data through use of the recommended terminologies for electronic sources.

The Centers for Medicare and Medicaid Services (CMS) developed A Blueprint for the Measures Management System, which provides guidance related to the development, implementation, and maintenance of clinical quality measures. Specific to eCQMs, this resource includes the recommended vocabularies used to develop the value sets used in the measures. The Blueprint can be found at the following webpage: https://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/MMS/MeasuresManagementSystemBlueprint.html

When expressing clinical concepts found within a measure, specifically for those electronically specified, the Value Set Authority Center (VSAC) is used as a repository for the value sets. The VSAC serves as a repository for value sets in various stages of development, from draft to published, and allows for maintenance of value sets as updates are made to terminologies. It also allows measure developers to search for value sets currently in the VSAC and stewarded by another organization which could potentially be reused in a measure, as an effort towards harmonization with existing value sets so as not to duplicate value sets already in use with the same or similar clinical concepts. The VSAC can be accessed at the following webpage: https://vsac.nlm.nih.gov/

The Quality Data Model (QDM) is a framework used to categorize clinical concepts used in quality measures, as well as the relationships among them for electronic specification. The QDM allows for an Health Quality Measures Format (HQMF) rendering of logic using the Measure Authoring Tool (MAT) to express complex measure logic, and subsequently export measures in several formats, currently including a human-readable document, which can be viewed in a web browser, and the XML. Links to these tools are found below:

 $QDM: \underline{https://ecqi.healthit.gov/qdm}$

MAT: https://www.emeasuretool.cms.gov/

CMS and the Office of the National Coordinator for Health IT (ONC) host a website, the Electronic Clinical Quality Information Resource Center (eCQI Resource Center), which is designed to serve as a one-stop shop for all resources related to eCQM development.

The eCQI Resource Center can be accessed at: https://ecqi.healthit.gov/ecqm

Measure Exceptions

Measure Exclusions

ASPS follows the PCPI process of distinguishing between measure exceptions and measure exclusions. Exclusions arise when the intervention required by the numerator is not appropriate for a group of patients who are otherwise included in the initial patient or eligible population of a measure (i.e., the denominator). Exclusions are absolute and are to be removed from the denominator of a measure and therefore clinical judgment does not enter the decision.

Measure Exceptions

Exceptions are used to remove a patient from the denominator of a performance measure when the patient does not receive a therapy or service AND that therapy or service would not be appropriate due to patient-specific reasons. The patient would otherwise meet the denominator criteria. Exceptions are not absolute, and are based on clinical judgment, individual patient characteristics, or patient preferences.

For process, structural, and outcome measures, the PCPI provides two categories of exception reasons for which a patient may be removed from the denominator of an individual measure.

Medical reason(s)

- Contraindicated in patient (potential allergy due to previous reported allergic history, potential adverse drug interaction, other)
- Already received/performed
- Intolerant (therapy was tried and the patient was intolerant)
- Other medical reason(s)

Patient or Non-medical reason(s)

- Patient refused/declined
- Access issues or insurance coverage/payor-related limitations (patient not covered for treatment)
- Patient functional limitations
- Patient preference: Social reason(s) (eg, family or support system not supportive of intervention/treatment); Religious

These measure exception categories are not available uniformly across all measures; for each measure, there must be a clear rationale to permit an exception for a medical, patient, or system reason. For some measures, examples have been provided in the measure exception language of instances that would constitute an exception. Examples are intended to guide clinicians and are not all-inclusive lists of all possible reasons why a patient could be excluded from a measure. There are different approaches for reporting measure exceptions, depending on whether the measure is being reported from an electronic clinical data source or an administrative data source.

Electronic Clinical Data Sources:

Value sets are included in the electronic clinical data source specifications for Medical Reason, Patient Reason and System Reason. These have been specified in SNOMED-CT and include a broad list of reasons that pertain to each type of exception and cover various situations. The contents of these value sets are broad, and facilitate re-use of the Medical, Patient, and System Reason value sets across measurement sets.

Although this methodology does not require the external reporting of more detailed exception data, the PCPI recommends that physicians document the *specific* reasons for exception in patients' medical records for purposes of optimal patient management and audit-readiness. The PCPI also advocates the systematic review and analysis of each physician's exceptions data to identify practice patterns and opportunities for quality improvement. For example, it is possible for implementers to calculate the percentage of patients that physicians have identified as meeting the criteria for exception.

Please refer to documentation for each individual measure for information on the acceptable exception categories and the codes and modifiers to be used for reporting.

Measure #1: Pre-surgical discussion of motivations and outcomes for patients undergoing Rhinoplasty

This measure may be used as an Accountability measure.

Measure Description

Percentage of patients aged 15 years and older who had a rhinoplasty procedure with whom motivation for surgery and outcome expectations were discussed and for whom the following information was documented:

- 1. Discussion of motivations and expectations*
- 2. Surgical goals were realistic and exclusion criteria were reviewed

Definitions: *Documentation of any of the following terms or phrases will meet the measure:

Motivation/Expectation

Independent / Preference / Desire / Look like / Appearance

Size

Big(ger), small(er)

Shape

Straight, crooked, bent, hook, hump, bump, droop, flare, wide, thin, narrow, bulbous, pug, pointy, projection, rotation, flare, long(er), short(er)

Proportion/Balance

Tip, bridge, overly-prominent nostrils/nostril asymmetry

External shaming/Ridicule/Bullying/Advice/Critical/Tease(ing)

Self-esteem/Self-conscious

Function

Breathe/Breathing Repair injury

Snoring

Realistic/Unrealistic

Measure Components					
Numerator Statement	Patients with whom motivation for surgery and outcome expectations were discussed and for whom the following information was documented:				
	1. Discussion of motivations and expectations				
	2. Surgical goals were realistic and exclusion criteria were reviewed				
	Definitions: Documentation of any of the following terms or phrases will meet the measure:				
	Motivation/Expectation				
	Independent /Preference/Desire/Look like/Appearance Size				
	Big(ger), small(er)				
	Shape				
	Straight, crooked, bent, hook, hump, bump, droop, flare, wide,				

	thin, narrow, bulbous, pug, pointy, projection, rotation, flare, long(er), short(er) Proportion/Balance Tip, bridge, overly-prominent nostrils/nostril asymmetry External shaming/Ridicule/Bullying/Advice/Critical/Tease(ing) Self-esteem/Self-conscious Function Breathe/Breathing Repair injury Snoring Realistic/Unrealistic
Denominator Statement	All patients aged 15 years and older who had a rhinoplasty procedure
Denominator Exceptions	None
Supporting Guideline	Statement 1: Clinicians should ask all patients seeking rhinoplasty about their motivations for surgery and their expectations for outcomes, should provide feedback on whether those expectations are a realistic goal of surgery, and should document this discussion in the medical record. Recommendation based on observational studies, with a preponderance of benefit over harm. (AAO HNS 2017- Ishii, Tollefson, Basura et al 2017)
	Measure Importance
Relationship to desired outcome	The purpose of this measure is to diminish the potential for poor surgical outcomes caused by unrealistic patient motivations and expectations regarding rhinoplasty. These can result from a variety of factors, including poor understanding of the surgical procedure and its capabilities, as well as psychological pathology (eg, BDD). The surgical team is responsible for identifying and clarifying these factors. Failure to understand patients' desires can lead to their dissatisfaction with the outcome, despite achieving the desired surgical results from the surgeon's perspective. (AAO HNS 2017- Ishii, Tollefson, Basura et al 2017)
Opportunity for Improvement	The 2017 guideline is the first evidence-based guideline for Rhinoplasty and thus, studies of adherence have not yet been conducted. Anecdotally, both the expert clinicians on the Guideline Panel and on the Measures Work Group felt that this was an important area for improvement.
Exception Justification	N/A
Harmonization with Existing Measures	No existing measures for Rhinoplasty
	Measure Designation
Measure Purpose	Quality Improvement Accountability
Type of Measure	• Process

Care Setting	Ambulatory Care	
Data Source	Administrative data	
	Medical record	
	Electronic health record system	
	Prospective data collection flowsheet	

Measure #2: Airway Assessment for patients undergoing Rhinoplasty

This measure may be used as an Accountability measure.

Measure Description

Percentage of patients aged 15 years and older who had a rhinoplasty procedure for whom the nasal airway was assessed with physical examination via anterior rhinoscopy and the status of the septum, turbinates, and valves was documented.

Measure Components					
Numerator Statement	Patients for whom nasal airway was assessed with physical examination via anterior rhinoscopy and status of the septum, turbinates, and valves was documented.				
Denominator Statement	All patients aged 15 years and older who had a rhinoplasty procedure				
Denominator Exceptions	None				
Supporting Guideline	STATEMENT 3: NASAL AIRWAY OBSTRUCTION: The surgeon, or the surgeon's designee, should evaluate the rhinoplasty candidate for nasal airway obstruction during the preoperative assessment. Recommendation based on observational studies, with a preponderance of benefit over harm. (AAO HNS 2017- Ishii, Tollefson, Basura et al 2017)				
	Measure Importance				
Relationship to desired outcome	The purpose of this measure is to evaluate clinician diligence regarding the preoperative evaluation of the rhinoplasty patient for nasal airway obstruction. Evaluation of both function and form is critical in the preoperative workup of the rhinoplasty patient. (AAO HNS 2017- Ishii, Tollefson, Basura et al 2017)				
Opportunity for Improvement Exception	The 2017 guideline is the first evidence-based guideline for Rhinoplasty and thus, studies of adherence have not yet been conducted. Anecdotally, both the expert clinicians on the Guideline Panel and on the Measures Work Group felt that this was an important area for improvement. N/A				
Justification					
Harmonization with Existing Measures	No existing measures for Rhinoplasty				
Measure Designation					
Measure Purpose	Quality Improvement Accountability				
Type of Measure	• Process				
Care Setting	Ambulatory Care				
Data Source	Administrative data				

Medical record
Electronic health record system
Prospective data collection flowsheet

Measure #3: Shared-decision making for post-operative management of discomfort following Rhinoplasty

This measure may be used as an Accountability measure.

Measure Description

Percentage of patients aged 15 years and older who had a rhinoplasty procedure who had documentation of a pre-operative shared-decision making strategy for multi-modal post-operative management of discomfort.

Definitions: Documentation of more than one of the following terms or phrases will meet the measure: Non-narcotic/Non-opioid, Ice/Cooling, Elevation, Rest, Mindfulness, Meditation, Acetaminophen/Tylenol, NSAID/Non-steroidal/Ibuprofen, Local/Marcaine/Block, Anxiolytic

Measure Components				
Numerator Statement	Patients who had documentation of a pre-operative shared-decision making strategy for multi-modal post-operative management of discomfort.			
	Definitions: Documentation of more than one of the following terms or phrases will meet the measure: Non-narcotic/Non-opioid, Ice/Cooling, Elevation, Rest, Mindfulness, Meditation, Acetaminophen/Tylenol, NSAID/Non-steroidal/Ibuprofen, Local/Marcaine/Block, Anxiolytic			
Denominator Statement	All patients aged 15 years and older who had a rhinoplasty procedure			
Denominator Exceptions	None			
Supporting Guideline	STATEMENT 6: MANAGING PAIN AND DISCOMFORT: The surgeon, or the surgeon's designee, should educate rhinoplasty patients before surgery about strategies to manage discomfort after surgery. Recommendation based on studies of the value of education and counseling, with a preponderance of benefit over harm. (AAO HNS 2017- Ishii, Tollefson, Basura et al 2017)			
	Measure Importance			
Relationship to desired outcome	Strategies for minimizing pain are thought to improve patient satisfaction			
desired outcome	with the procedure. Implementing adjunctive measures to improve pain and expectations will help the clinician better encourage patient engagement in the recovery process, thereby improving the surgical result. Evidence for long-term improved patient satisfaction with the outcome of the rhinoplasty as it relates to the acute management of pain and discomfort is not available and is an area that requires investigation. (AAO HNS 2017- Ishii, Tollefson, Basura et al 2017)			
Opportunity for	The 2017 guideline is the first evidence-based guideline for Rhinoplasty and			
Improvement	thus, studies of adherence have not yet been conducted. Anecdotally, both			
	the expert clinicians on the Guideline Panel and on the Measures Work			
	Group felt that this was an important area for improvement.			

Exception Justification	N/A	
Harmonization with Existing Measures	No existing measures for Rhinoplasty	
	Measure Designation	
Measure Purpose	Quality Improvement	
	Accountability	
Type of Measure	• Process	
Care Setting	Ambulatory Care	
Data Source	Administrative data	
	Medical record	
	Electronic health record system	
	Prospective data collection flowsheet	

Measure #4: Patient Satisfaction with Rhinoplasty Procedure

This measure may be used as an Accountability measure.

Measure Description

Percentage of patients aged 15 years and older who had a rhinoplasty procedure who demonstrated improvement* in functional and/or aesthetic satisfaction using a validated patient satisfaction tool (such as SCHNOS, NOSE, SNOT, RHINO) within a year following their procedure.

*pre-test and post-test scores must be documented in the patient record

	Measure Components		
Numerator Statement	Patients who demonstrated improvement* in functional and/or aesthetic satisfaction using a validated patient satisfaction tool (such as SCHNOS, NOSE, SNOT, RHINO) within a year following their procedure.		
	*pre-test and post-test scores must be documented in the patient record		
Denominator Statement	All patients aged 15 years and older who had a rhinoplasty procedure		
Denominator Exceptions	None		
Supporting Guideline	STATEMENT 10: OUTCOME ASSESSMENT: Clinicians should document patient satisfaction with their nasal appearance and with their nasal function at a minimum of 12 months after rhinoplasty. Recommendation based on observational studies, with a preponderance of benefit over harm. (AAO HNS 2017- Ishii, Tollefson, Basura et al 2017)		
	Measure Importance		
Relationship to desired outcome	The purpose of this measure is to encourage clinicians to assess and document outcome measurements of patient satisfaction after rhinoplasty surgery in a systematic manner. The assessment of patient-reported outcome measures complements the standard postoperative evaluation, such as physical examination and photography. The clinician should assess satisfaction with nasal appearance and with nasal function, which may require ≥1 outcome measurement tools. Validated patient-reported outcome instruments or other tools standardized to the practice can help clinicians with data-driven postoperative communication concerning reasonably expected outcomes. Throughout the healing period (thought to last up to ≥1 year after rhinoplasty surgery), patient satisfaction should be routinely assessed. The content experts in the GDG felt that 12 months was the minimal acceptable time for a reasonable stable assessment of nasal appearance. However, research publications frequently report postoperative assessments of patient satisfaction with nasal appearance and function at time points far less than 6 months. While earlier assessment and documentation may be useful for counseling, the final assessment should be done ideally at 12 months or later. (AAO HNS 2017-Ishii, Tollefson, Basura et al 2017)		
Opportunity for	There currently are no data measuring whether physicians routinely		
Opportunity for	file is 6 and All Billian Brown and All Billian Brown and Brown an		

Improvement	administer PROM tools. However, data on use of PROMs overall generally show low uptake. We believe this measure will be important in moving this practice forward.			
Exception Justification	N/A			
Harmonization with Existing Measures	No existing measures for Rhinoplasty			
Measure Designation				
Measure Purpose	Quality Improvement Accountability			
Type of Measure	Outcome			
Care Setting	Ambulatory Care			
Data Source	 Administrative data Medical record Electronic health record system Prospective data collection flowsheet 			

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Specifications for Registry Reporting

Guideline Evidence Classification and Rating Schemes

Otolaryngology-Head and Neck Surgery 156(2S)

Table 3. Aggregate Grades of Evidence by Question Type.^a

Grade	CEBM Level	Treatment	Harm	Diagnosis	Prognosis
A	I	Systematic review ^b of randomized trials	Systematic review ^b of randomized trials, nested case-control studies, or observational studies with dramatic effect	Systematic review ^b of cross-sectional studies with consistently applied reference standard and blinding	Systematic review ^b of inception cohort studies ^c
В	2	Randomized trials or observational studies with dramatic effects or highly consistent evidence	Randomized trials or observational studies with dramatic effects or highly consistent evidence	Cross-sectional studies with consistently applied reference standard and blinding	Inception cohort studies ^c
С	3-4	Nonrandomized or historically controlled studies, including case- control and observational studies	Nonrandomized controlled cohort or follow-up study (postmarketing I surveillance) with sufficient numbers to rule out a common harm case series, case-control, or historically controlled studies	case-control studies; or studies with poor, nonindependent, or inconsistently applied	Cohort study; control arm of a randomized trial; case series or case- control study; poor- quality prognostic cohort study
D	5	Case reports, mechanism-ba	ased reasoning, or reasoning	from first principles	
X	N/A	Exceptional situations when benefit over harm.	e validating studies cannot b	e performed and there is a	clear preponderance of

Abbreviations: CEBM, Oxford Centre for Evidence-Based Medicine; N/A, not applicable. $^{\rm a}$ Adapted from Howick and coworkers. $^{\rm 39}$

Table 4. Guideline Definitions for Evidence-Based Statements.

Statement	Definition	Implication
Strong recommendation	A strong recommendation means that the benefits of the recommended approach clearly exceed the harms (or that the harms clearly exceed the benefits, in the case of a strong negative recommendation) and that the quality of the supporting evidence is excellent (grade A or B). In some clearly identified circumstances, strong recommendations may be made on the basis of lesser evidence, when high-quality evidence is impossible to obtain and the anticipated benefits strongly outweigh the harms.	Clinicians should follow a strong recommendation unless a clear and compelling rationale for an alternative approach is present.
Recommendation	A recommendation means that the benefits exceed the harms (or that the harms exceed the benefits, in the case of a negative recommendation) but that the quality of evidence is not as strong (grade B or C). In some clearly identified circumstances, recommendations may be based on lesser evidence when high-quality evidence is impossible to obtain and the anticipated benefits outweigh the harms.	Clinicians should also generally follow a recommendation but should remain alert to new information and sensitive to patient preferences.
Option	An option means either that the quality of evidence that exists is suspect (grade D) ^a or that well-done studies (grade A, B, or C) ^a show little clear advantage to one approach versus another.	Clinicians should be flexible in their decision making regarding appropriate practice, although they may set bounds on alternatives. Patient preference should have a substantial influencing role.

^aAmerican Academy of Pediatrics classification scheme. ⁴⁰

^bA systematic review may be downgraded to level B because of study limitations, heterogeneity, or imprecision.
^cA group of individuals identified for subsequent study at an early uniform point in the course of the specified health condition or before the condition devel-

References

Ishii LE1, Tollefson TT2, Basura GJ3, Rosenfeld RM4, Abramson PJ5, Chaiet SR6, Davis KS7, Doghramji K8, Farrior EH9, Finestone SA10, Ishman SL11, Murphy RX Jr12, Park JG13, Setzen M14, Strike DJ15, Walsh SA10, Warner JP16, Nnacheta LC17. Clinical Practice Guideline: Improving Nasal Form and Function after Rhinoplasty. Otolaryngol Head Neck Surg. 2017 Feb;156(2_suppl):S1-S30. doi: 10.1177/0194599816683153.

APPENDIX A

Rhinoplasty
Measurement Specifications

Coding Added May, 2018

Measure 1: Pre-surgical discussion of motivations and outcomes for patients undergoing Rhinoplasty

Denominator (Eligible Population)	All patients aged 15 years and older who had a rhinoplasty procedure Age > 15 years		
	AND		
	CPT® for Encounter: 30400, 30410, 30420, 30430, 30435, 30450, 30460, or 30462		
	30400	Rhinoplasty, primary; lateral and alar cartilages and/or elevation of nasal tip	
	30410	Rhinoplasty, primary; complete, external parts including bony pyramid, lateral and alar cartilages, and/or elevation of nasal tip	
	30420	Rhinoplasty, primary; including major septal repair	
	30430	Rhinoplasty, secondary; minor revision (small amount of nasal tip work)	
	30435	Rhinoplasty, secondary; intermediate revision (bony work with osteotomies)	
	30450	Rhinoplasty, secondary; major revision (nasal tip work and osteotomies)	
	30460	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip only	
	30462	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip, septum, osteotomies Repair of Vestibular Stenosis	
Denominator Exclusions	n/a		

Numerator	Patients with whom motivation for surgery and outcome expectations were discussed and for whom the following information was documented:
	1. Discussion of motivations and expectations
	2. Surgical goals were realistic and exclusion criteria were reviewed
	Definitions: Documentation of any of the following terms or phrases will meet the measure: Motivation/Expectation
	Independent /Preference/Desire/Look like/Appearance
	Size Big(ger), small(er)
	Shape Straight, crooked, bent, hook, hump, bump, droop, flare, wide, thin, narrow, bulbous, pug, pointy, projection, rotation, flare, long(er), short(er)
	Proportion/Balance Tip, bridge, overly-prominent nostrils/nostril asymmetry External shaming/Ridicule/Bullying/Advice/Critical/Tease(ing) Self-esteem/Self-conscious
	Function
	Breathe/Breathing Repair injury
	Snoring
	Realistic/Unrealistic
	Captured by attestation in the work flow of the ASPS QCDR
Denominator	n/a
Exceptions	

Measure #2: Airway Assessment for patients undergoing Rhinoplasty

Denominator (Eligible Population)	All patients aged 15 years and older who had a rhinoplasty procedure		
,	Age ≥ 15 years		
	AND		
	CPT® for Encounter: 30400, 30410, 30420, 30430, 30435, 30450, 30460, or 30462		
	30400	Rhinoplasty, primary; lateral and alar cartilages and/or elevation of nasal tip	
	30410	Rhinoplasty, primary; complete, external parts including bony pyramid, lateral and alar cartilages, and/or elevation of nasal tip	
	30420	Rhinoplasty, primary; including major septal repair	
	30430	Rhinoplasty, secondary; minor revision (small amount of nasal tip work)	
	30435	Rhinoplasty, secondary; intermediate revision (bony work with osteotomies)	
	30450	Rhinoplasty, secondary; major revision (nasal tip work and osteotomies)	
	30460	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip only	
	30462	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip, septum, osteotomies Repair of Vestibular Stenosis	
Denominator	n/a		
Exclusions	n/a		
Numerator	Patients for whom nasal airway was assessed with physical examination via anterior rhinoscopy and status of the septum, turbinates, and valves was documented.		
	Capture	ed by attestation in the work flow of the ASPS QCD	К
Denominator Exceptions	n/a		

Measure #3: Shared-decision making for post-operative management of discomfort following

Denominator (Eligible Population)	All patients aged 15 years and older who had a rhinoplasty procedure		
(Englishe Fopulation)	Age ≥ 15 years		
	AND		
	CPT® for E	ncounter:	
	30400, 30410, 30420, 30430, 30435, 30450, 30460, or 30462		
	30400	Rhinoplasty, primary; lateral and alar cartilages and/or elevation of nasal tip	
	30410	Rhinoplasty, primary; complete, external parts including bony pyramid, lateral and alar cartilages, and/or elevation of nasal tip	
	30420	Rhinoplasty, primary; including major septal repair	
	30430	Rhinoplasty, secondary; minor revision (small amount of nasal tip work)	
	30435	Rhinoplasty, secondary; intermediate revision (bony work with osteotomies)	
	30450	Rhinoplasty, secondary; major revision (nasal tip work and osteotomies)	
	30460	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip only	
	30462	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip, septum, osteotomies Repair of Vestibular Stenosis	
Denominator Exclusions	n/a		
Numerator	Patients who had documentation of a pre-operative shared-decision making		
	strategy for multi-modal post-operative management of discomfort. Definitions: Documentation of more than one of the following terms or phrases will meet the measure:		
	Non-narcotic/Non-opioid, Ice/Cooling, Elevation, Rest, Mindfulness, Meditation, Acetaminophen/Tylenol, NSAID/Non-steroidal/Ibuprofen, Local/Marcaine/Block, Anxiolytic Captured by attestation in the work flow of the ASPS QCDR		
Denominator Exceptions	n/a		

Measure #4: Patient Satisfaction with Rhinoplasty Procedure

Denominator (Eligible Population)	All patients aged 15 years and older who had a rhinoplasty procedure			
(Liigible Fopulation)	Age ≥ 15 years			
	AND			
	CPT® for Encounter: 30400, 30410, 30420, 30430, 30435, 30450, 30460, or 30462			
	30400	Rhinoplasty, primary; lateral and alar cartilages and/or elevation of nasal tip		
		Rhinoplasty, primary; complete, external parts		
	30410	including bony pyramid, lateral and alar		
		cartilages, and/or elevation of nasal tip Rhinoplasty, primary; including major septal		
	30420	repair		
	30430	Rhinoplasty, secondary; minor revision (small amount of nasal tip work)		
	30435	Rhinoplasty, secondary; intermediate revision (bony work with osteotomies)		
	30450	Rhinoplasty, secondary; major revision (nasal tip work and osteotomies)		
	30460	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip only		
	30462	Rhinoplasty for nasal deformity secondary to congenital cleft lip and/or palate, including columnar lengthening; tip, septum, osteotomies Repair of Vestibular Stenosis		
Denominator Exclusions	n/a			
Numerator	Patients who demonstrated improvement* in functional and/or aesthetic satisfaction using a validated patient satisfaction tool (such as SCHNOS, NOSE, SNOT, RHINO) within a year following their procedure.			
	*pre-test and post-test scores must be documented in the patient record Captured by attestation in the work flow of the ASPS QCDR			
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Denominator Exceptions	n/a			