

# EQIPP: Asthma

## Generalist Measures

Key Activity and Aim	Data Collection Question	Measure	Goal
<u>Key Activity:</u> <b>Diagnosis</b>	<p>1. Were one or more asthma <a href="#">key indicators</a> present when considering the diagnosis of asthma?</p> <p>  Yes   No</p>	<p><u>Measure name</u> Consider asthma diagnosis when key indicators are present</p> <p><u>Measure definition</u> % of patients with key asthma indicators used when considering an asthma diagnosis</p> <p><u>Numerator/denominator</u> Number of patients in which key indicators are present is the numerator (x) in the equation; all patients seen with asthma is the denominator (y).</p> <p><u>Source</u> <b>Yes</b> response to Question 1: Were one or more asthma key indicators present when considering the diagnosis of asthma?</p> <p><u>Aggregate</u> Numerator: Value of #2 Denominator: (Total Charts ) Value of # 1</p>	90%
<u>Aim:</u> <p>Use key indicators when considering a diagnosis of asthma, and support the diagnosis with physical examination, appropriate history, and spirometry (if <math>\geq</math> 5 years) for 90% of all patients with asthma. Exclude all other diagnoses.</p> <p>Optimal documentation includes the basis for the asthma diagnosis and the level of severity.</p>	<p>2. Were lung function measures by spirometry used to establish the asthma diagnosis?</p> <p>  Yes   No   Age inappropriate, younger than 5 years</p>	<p><u>Measure name</u> Establish diagnosis with spirometry for patients 5 and older</p> <p><u>Measure definition</u> % of patients ages 5 and older in which spirometry is used to establish an asthma diagnosis</p> <p><u>Numerator/denominator</u> The number of patients in which spirometry is used to establish the asthma diagnosis is the numerator (x) in the equation; all patients seen with asthma MINUS Age inappropriate, younger than 5 years is the denominator (y).</p> <p><u>Source</u> <b>Yes</b> or <b>NA Age inappropriate under 5 years</b> response to Question 2: Were lung function measures by spirometry used to establish the asthma diagnosis?</p> <p><u>Aggregate</u> Numerator: Value of #3 Denominator: (Total Charts ) Value of # 1 - Value of # 3A</p>	90%
		<p>NOTE: Value of 3 + 3A cannot be greater than value of #1</p>	

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Key Activity and Aim	Data Collection Question	Measure	Goal
<u>Key Activity:</u> <b>Control</b>	3. Was a <a href="#">validated instrument</a> used to determine the current level of asthma control?    Yes   No	<u>Measure name</u> Establish current level of control using validated tool  <u>Measure definition</u> % of patients in which a validated instrument is used to determine the current level of asthma control  <u>Numerator/denominator</u> The number of patients in which the current level of asthma control is determined using a validated instrument is the numerator (x) in the equation; all patients seen with asthma is the denominator (y).  <u>Source</u> <b>Yes</b> response to Question 3: Was a validated instrument used to determine the level of asthma control? <u>Aggregate</u> Numerator: Value of #4 Denominator: Value of #1	90%
<u>Aim:</u> Establish and document the current level of asthma control for 90% of all patients $\geq 4$ years at every visit by using a validated asthma control tool; identify and document reason(s) for lack of control if "not well controlled" or "very poorly controlled."	4. What is the current level of control documented in the patient's chart? (Click to review the National Heart, Lung, and Blood Institute [NHLBI] Expert Panel Report 3 [EPR-3] <a href="#">control tables</a> .)  Well controlled Not well controlled Very poorly controlled Not documented  <b>If "not well controlled" or "very poorly controlled":</b> 5. Does the chart identify reason(s) for lack of control? (Examples: exposure to allergens, tobacco smoke, indoor or outdoor pollutants and irritants, nonadherence to medication regimen)    Yes   No	<u>Measure name</u> Identify reasons for lack of asthma control  <u>Measure definition</u> % of patients in which reasons for lack of asthma control is identified when asthma control is "not well controlled" or "very poorly controlled"  <u>Numerator/denominator</u> Number of patients for whom reasons for lack of asthma control is identified is the numerator (x) in the equation; all patients whose asthma is "not well controlled" or "very poorly controlled" is the denominator (y).  <u>Source</u> <b>"Not Well controlled" or "Very Poorly controlled"</b> response to Question 4: What is the current level of control documented in the patient's chart? AND <b>Yes</b> response to question 5: Does the chart identify reason(s) for lack of control? <u>Aggregate</u> Numerator: Value of #6 (Note: value of #6 cannot be greater than value of 5A + 5B) Denominator: Value of # 5A + 5B	90%

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Key Activity and Aim	Data Collection Question	Measure	Goal
<u>Key Activity:</u> <b>Spirometry</b> <p><u>Aim:</u></p> <p>Document that spirometry measurements have been obtained for 90% of all patients with asthma ages 5 years or older within the last 1 or 2 years to monitor for disease progression and loss of lung function or growth.</p>	<p>6. Is spirometry currently scheduled to be tested, or have results been obtained within the last 1 or 2 years?</p> <p>  Yes   No   Age inappropriate, younger than 5 years</p>	<p><u>Measure name</u> Obtain spirometry measurements every 1-2 years</p> <p><u>Measure definition</u> % of patients ages 5 and older where spirometry is scheduled to be tested or results have been obtained within the last 1-2 years</p> <p><u>Numerator/denominator</u> The number of patients ages 5 and older where spirometry measurements have been obtained in the last 1-2 years is the numerator (x) in the equation; all patients seen with asthma MINUS, Age inappropriate, younger than 5 years is the denominator (y).</p> <p><u>Source</u> <b>Yes or NA – Age inappropriate under 5 years</b> response to Question 6: Is spirometry either currently scheduled to be tested or have results been obtained within the last 1-2 years?</p> <p><u>Aggregate</u> Numerator: Value of #7 Denominator: Value of # 1 – Value of 7A (Note: 7 + 7A cannot be great than total # of charts)</p>	90%
<u>Key Activity:</u> <b>Medications</b> <p><u>Aim:</u></p> <p>Use the NHLBI stepwise approach to initiate asthma therapy based on severity and to adjust or maintain treatment based on asthma control in 90% of all patients with asthma.</p>	<p>7. Was the age-appropriate NHLBI EPR-3 <a href="#">stepwise table</a> used to identify treatment options or to adjust therapy based on asthma control?</p> <p>  Yes   No</p>	<p><u>Measure name</u> Medication</p> <p><u>Measure definition</u> % of patients in which the stepwise approach is used to identify treatment therapy and adjust or maintain therapy based on asthma control</p> <p><u>Numerator/denominator</u> The number of patients in which the stepwise approach is used to identify treatment therapy and adjust or maintain therapy based on asthma control is the numerator (x); all patients seen with asthma is the denominator (y).</p> <p><u>Source</u> Yes response to Question 7: Was the age-appropriate NHLBI EPR-3 stepwise table used to identify appropriate treatment options and to adjust or maintain therapy based on asthma control?</p> <p><u>Aggregate</u> Numerator: Value of #8 Denominator: Value of # 1</p>	90%

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<u>Key Activity:</u> <b>Flu Shot</b>	8. Has a flu shot been administered or a recommendation made within the past 12 months?    Yes   No   Patient younger than 6 months, other contraindications, or vaccine unavailable	<u>Measure name</u> Recommend annual flu shot  <u>Measure definition</u> % of patients with asthma ages 6 months and older who have received a flu shot or flu shot recommendation within the past 12 months <u>Numerator/denominator</u> The number of patients with asthma who have received a flu shot or flu shot recommendation within the past 12 months is the numerator (x) in the equation; all patients seen with asthma MINUS Patient younger than 6 months, other contraindications, or vaccine unavailable is the denominator (y).  <u>Source</u> <b>Yes</b> or <b>NA</b> Patient under 6 months, other contraindications, or vaccine unavailable response to Question 8: Has a flu shot been administered or a recommendation made within the past 12 months? <u>Aggregate</u> Numerator: Value of #9 Denominator: Value of # 1 – Value of 9A (Note: Value of 9 + 9A cannot be greater than total # of charts)	90%
<u>Aim:</u> Recommend annual receipt of inactivated influenza vaccine for 90% of all patients who are 6 months or older and receiving or participating in regular asthma therapy to avoid increased risk of complications from influenza.			
<u>Key Activity:</u> <b>Action Plan</b>	9. Does the patient have a written asthma action plan?    Yes   No  <b>If yes:</b> 10. Was the plan updated as needed and reviewed with the patient and/or family at this visit?    Yes   No	<u>Measure name</u> Provide/review current Asthma Action Plan at every visit  <u>Measure definition</u> % of patients who have a current written asthma action plan explained to them at this visit  <u>Numerator/denominator</u> The number of patients with a current written asthma action plan AND the plan was provided and reviewed at this visit is the numerator (x) in the equation; all patients seen with asthma is the denominator (y).  <u>Source</u> <b>Yes</b> response to Question 9: Does the patient have a written asthma action plan? AND <b>Yes</b> response to Question 10: Was the plan updated as needed and reviewed with the patient/family at this visit? <u>Aggregate</u> Numerator: Value of #10 Denominator: Value of # 1	90%

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Key Activity and Aim	Data Collection Question	Measure	Goal
<b>Key Activity:</b> <b>Education</b>	<p>11. Were asthma self-management education and materials (other than or in addition to the asthma action plan) provided and explained to the patient and family at any visit? (Examples include correct medication techniques, avoiding environmental triggers, and getting help to quit smoking. See <a href="#">Figure 3</a>—<a href="#">13, Delivery of Asthma Education by Clinicians During Patient Care Visits</a> for more information.)</p> <p>  Yes</p> <p>  No</p>	<p><b>Measure name</b> Provide/explain education and self-management materials</p> <p><b>Measure definition</b> % of patients in which self-management education materials (in addition to the asthma action plan) are provided and explained to the patient and family at any visit</p> <p><b>Numerator/denominator</b> The number of patients who have self-management education materials (other than or in addition to the asthma action plan) provided and explained to them at any visit is the numerator (x) in the equation; all patients seen with asthma is the denominator (y).</p> <p><b>Source</b> <b>Yes</b> response to Question 11: Were asthma self-management education and materials (other than/in addition to the asthma action plan) provided and explained to the patient and family at any visit?</p> <p><b>Aggregate</b> Numerator: Value of #11 Denominator: Value of # 1</p>	90%
<b>Key Activity:</b> <b>Follow up</b>	<p>12. Was a follow-up appointment recommended to monitor asthma control?</p> <p>  Yes</p> <p>  No</p>	<p><b>Measure name</b> Follow-up</p> <p><b>Measure definition</b> % of patients for whom a follow-up appointment to monitor asthma control is recommended</p> <p><b>Numerator/denominator</b> The number of patients in which a follow-up appointment is recommended to monitor asthma control the numerator (x) in the equation; all patients seen with asthma is the denominator (y).</p> <p><b>Source</b> <b>Yes</b> response to Question 12: Was a follow-up appointment recommended to monitor asthma control?</p> <p><b>Aggregate</b> Numerator: Value of #12 Denominator: Value of # 1</p>	90%