

EQIPP: Asthma

Hospitalist Measures

Key Activity and Aim	Data Collection Question	Measure	Goal
<u>Key Activity:</u> Hospital Initial Assessment and Management <u>Aim:</u> Obtain and document a focused patient history for 90% of all patients with a reported asthma exacerbation	<p>1. Was a focused patient history obtained and documented that includes all of the following?</p> <ul style="list-style-type: none"> • Present illness, including current triggers • Current management plans for chronic and acute asthma, including adherence to the medication regimen • Previous inpatient history and risk factors for sudden death from asthma • Other relevant medical problems <p> Yes No</p>	<u>Measure name</u> Focused Patient History <u>Measure definition</u> % of patients with a focused patient history obtained and documented <u>Numerator/denominator</u> The number of patients with a focused patient history obtained and documented is the numerator (x) in the equation; the number of all patients with asthma exacerbation is the denominator (y). <u>Source</u> Yes response to Question 1: Was a focused patient history obtained and documented that includes all of the following? <ul style="list-style-type: none"> • Present illness, including current triggers • Current management plans for chronic and acute asthma, including adherence to the medication regimen • Previous inpatient history and risk factors for sudden death from asthma • Other relevant medical problems <u>Aggregate</u> Numerator: Value of #2 Denominator: (Total Charts) Value of # 1	90%
 <u>Aim:</u> Complete and document a physical examination for 90% of all patients with a reported asthma exacerbation that includes the following: <ul style="list-style-type: none"> • Full vital signs • General assessment • Head, eyes, ears, nose, and throat (HEENT) • Cardiac examination • Respiratory examination, including pulse oximetry and degree of dyspnea 	<p>2. Was a physical examination completed and documented for this patient that includes the following?</p> <ul style="list-style-type: none"> • Full vital signs • General assessment • Head, eyes, ears, nose, and throat • Cardiac examination • Respiratory examination, including pulse oximetry and degree of dyspnea • Abdominal examination • FEV1 or PEF measurements, as appropriate 	<u>Measure name</u> Physical Examination <u>Measure definition</u> % of patients with physical examination completed and documented <u>Numerator/denominator</u> The number of patients with a physical examination completed and documented is the numerator (x) in the equation; the number of all patients with asthma exacerbation is the denominator (y). <u>Source</u> Yes response to Question 2: Was a physical examination completed and documented for this patient that includes the following? <ul style="list-style-type: none"> • Full vital signs 	90%

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<p>Aim: Assess and document the severity classification of the patient's current asthma exacerbation for 90% of all patients with a reported asthma exacerbation according to National Heart, Lung, and Blood Institute (NHLBI) guidelines (mild, moderate, or severe) or according to a hospital-based order set that aligns with the guidelines</p>	<p>1. Abdominal examination</p> <p>Forced expiratory volume in the first second of expiration (FEV1) or peak expiratory flow (PEF) measurements, as appropriate</p> <p>2. Was the severity of the patient's current asthma exacerbation classified and documented according to NHLBI guidelines or according to a hospital-based order set that aligns with the guidelines?</p> <p>3. Was therapy initiated based on the severity classification of the patient's current asthma exacerbation and documented in the patient's chart? This includes appropriate dose and frequency of:</p> <ul style="list-style-type: none"> Short-acting beta₂-agonist Systemic corticosteroids 	<p>Measure</p> <ul style="list-style-type: none"> General assessment HEENT Cardiac examination Respiratory examination, including pulse oximetry and degree of dyspnea Abdominal examination FEV1 or PEF measurements, as appropriate <p>Aggregate Numerator: Value of #3 Denominator: Value of # 1</p> <p>Measure name Classify Exacerbation Severity</p> <p>Measure definition % of patients with asthma exacerbation severity classified and documented</p> <p>Numerator/denominator The number of patients with asthma exacerbation severity classified and documented is the numerator (x) in the equation; the number of all patients with asthma exacerbation is the denominator (y).</p> <p>Source Yes response to Question 3: Was the patient's current asthma exacerbation severity classified and documented according to NHLBI guidelines (mild, moderate, or severe), or according to a hospital-based order set that aligns with the guidelines?</p> <p>Aggregate Numerator: Value of #4 Denominator: Value of # 1</p> <p>Measure name Medication: Initiate Therapy Based on Severity</p> <p>Measure definition % of patients with appropriate clinical course based on asthma severity classification, which has been followed and documented</p> <p>Numerator/denominator The number of patients with appropriate therapy initiated and documented based on the severity classification of the current asthma</p>	90%
<p>Aim: Document that appropriate therapy was initiated based on the severity classification of the patient's current asthma exacerbation for 90% of all patients with a reported asthma exacerbation. This includes appropriate dose and</p>	<p>4. Was the severity of the patient's current asthma exacerbation classified and documented according to NHLBI guidelines or according to a hospital-based order set that aligns with the guidelines?</p>		90%

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frequency of: <ul style="list-style-type: none"> • Short-acting beta₂-agonist (SABA) • Systemic corticosteroids, including any corticosteroids given before admission • Oxygen, if needed 	<p>Data Collection Question</p> <ul style="list-style-type: none"> • Oxygen, if needed <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Measure</p> <p>exacerbation is the numerator (x) in the equation; the number of all patients with asthma exacerbation is the denominator (y).</p> <p>Source</p> <p>Yes response to Question 4: Was therapy initiated based on the severity classification of the patient's current asthma exacerbation and documented in the patient's chart? This includes appropriate dose and frequency of:</p> <ul style="list-style-type: none"> • Short-acting beta₂-agonist • Systemic corticosteroids • Oxygen, if needed <p>Aggregate</p> <p>Numerator: Value of #5 Denominator: Value of # 1</p>	
Key Activity: Hospital Course			90%
Aim: Monitor and document the patient's response to therapy by repeating the clinical assessment in a timely manner and ensuring that the results are reviewed by the attending physician for 90% of all patients with asthma	<p>5. Was the patient's response to therapy monitored with serial assessments and documented in the patient's chart by a hospital care team member?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>6. Were the assessment results reviewed by the attending physician?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Measure name</p> <p>Serial Assessment With Review by Attending Physician</p> <p>Measure definition</p> <p>% of patients whose response to therapy is monitored by repeated assessment with results reviewed by the attending physician</p> <p>Numerator/denominator</p> <p>The number of patients with repeated assessment results reviewed by the attending physician is the numerator (x) in the equation; the number of all patients with response to therapy monitored with serial assessments is the denominator (y).</p> <p>Source</p> <p>Yes response to Question 5: Was the patient's response to therapy monitored with serial assessments and documented in the patient's chart by a hospital care team member? AND Yes response to Question 6: Were the assessment results reviewed by the attending physician?</p> <p>Aggregate</p> <p>Numerator: Value of #7 Denominator: Value of # 6 (Note: Value of 7 cannot be greater than the value of 6)</p>	
Aim: Provide and explain self-management and educational materials to 90% of all patients with	<p>7. Were asthma self- management education and materials (in conjunction with the discharge plan and asthma action plan) provided and</p>	<p>Measure name</p> <p>Patient Education</p> <p>Measure definition</p> <p>% of patients in whom asthma self-management education materials (in</p>	90%

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asthma so that they have the skills necessary to control the asthma and improve outcomes	<p>explained to the patient and family?</p> <p><i>(Examples: proper spacer technique, tips for smoking cessation, and control of environmental factors that trigger asthma. To qualify, education and materials should extend beyond the asthma action plan and discharge plan.)</i></p>	<p>addition to the asthma action plan and discharge plan) are provided and explained</p> <p>Numerator/denominator The number of patients who have self-management education materials (in addition to the asthma action plan and discharge plan) provided and explained is the numerator (x) in the equation; the number of all patients with asthma exacerbation is the denominator (y).</p>	
<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>8. Was an influenza vaccine administered or recommended and documented for the patient within the past 12 months?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA - Patient younger than 6 months, has other contraindications, or vaccine unavailable</p>	<p>Source Yes response to Question 7: Were asthma self-management education and materials (in conjunction with the discharge plan and asthma action plan) provided and explained to the patient and family?</p> <p>Aggregate Numerator: Value of #8 Denominator: Value of # 1</p>	<p>90%</p>

Aim:

Recommend an annual inactivated influenza vaccination for 100% of all patients who are 6 months of age or older and undergoing regular asthma therapy to avoid increased risk of complications from influenza

Measure name

Influenza Vaccination

Measure definition

% of patients with asthma ages 6 months or older who have received an influenza vaccination or recommendation for influenza vaccination within the past 12 months

Numerator/denominator

The number of patients with asthma who have received an influenza vaccination or a recommendation for an influenza vaccination within the past 12 months is the numerator (x) in the equation; the number of all patients with asthma exacerbation MINUS N/A – Patient younger than 6 months, has other contraindications, or vaccine unavailable is the denominator (y).

Source

Yes or NA (Patient younger than 6 months, other contraindications, or vaccine unavailable) response to Question 8: Was influenza vaccine administered or recommended for the patient within the past 12 mon.?

Aggregate

Numerator: Value of #9
Denominator: Value of # 1 – Value of 9A (Note: value of 9 + 9A cannot be greater than total # of charts)

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Key Activity and Aim	Data Collection Question	Measure	Goal
<u>Key Activity:</u> Discharge Planning <p><u>Aim:</u> Develop and review written asthma action plan with input from the patient and family and PCP, as available, for 90% of all patients with asthma, before discharge</p>	<p>9. Was a written asthma action plan created with input from the patient and family and primary care physician (PCP), as available, and explained before discharge?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><u>Measure name</u> Asthma Action Plan</p> <p><u>Measure definition</u> % of patients who have a written asthma action plan provided and explained to them before discharge</p> <p><u>Numerator/denominator</u> The number of patients with a written asthma action plan provided and reviewed before discharge is the numerator (x) in the equation; the number of all patients with asthma is the denominator (y).</p> <p><u>Source</u> Yes response to Question 9: Was a written asthma action plan created with input from the patient and family and PCP, as available, and explained before discharge?</p> <p><u>Aggregate</u> Numerator: Value of #10 Denominator: Value of # 1</p>	90%
<p><u>Aim:</u> Provide and explain a written hospital discharge plan to 90% of all patients before discharge from the hospital</p>	<p>10. Was a written discharge plan provided and explained to the patient and family?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><u>Measure name</u> Hospital Discharge Plan</p> <p><u>Measure definition</u> % of patients who have a written hospital discharge plan provided and explained to them</p> <p><u>Numerator/denominator</u> The number of patients with a written discharge plan provided and reviewed is the numerator (x) in the equation; the number of all patients with asthma is the denominator (y).</p> <p><u>Source</u> Yes response to Question 10: Was a written discharge plan provided and explained to the patient and family?</p> <p><u>Aggregate</u> Numerator: Value of #11 Denominator: Value of # 1</p>	90%

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<u>Aim:</u> Recommend a follow-up appointment to monitor asthma control for 90% of all patients with asthma, before discharge	11. Was a follow-up appointment with a PCP or asthma clinic recommended to monitor asthma control?	<u>Measure name</u> Follow-up <u>Measure definition</u> % of patients for whom a follow-up appointment to monitor asthma control is recommended	
<u>Aim:</u> Provide copies of the patient's discharge plan and asthma action plan to the patient's PCP or asthma clinic for 90% of all patients with an asthma exacerbation	12. Were the patient's discharge and asthma action plans transmitted to the PCP or asthma clinic?	<u>Measure name</u> Transmit Discharge Plan and Asthma Action Plan to PCP <u>Measure definition</u> % of patients for whom a discharge plan and asthma action plan are provided to the patient's PCP or asthma clinic	90%
	Yes No NA – Copies provided to the patient with instructions to take the plans to the follow-up appointment	<u>Numerator/denominator</u> The number of patients for whom a discharge plan and asthma action plan are provided to the patient's PCP or asthma clinic is the numerator (x) in the equation; the number of all patients with asthma MINUS NA – Copies provided to the patient with instructions to take the plans to the follow-up appointment is the denominator (y). <u>Source</u> Yes response to Question 11: Was a follow-up appointment with a PCP or asthma clinic recommended to monitor asthma control? <u>Aggregate</u> Numerator: Value of #12 Denominator: Value of # 1	