Measure Calculations for Data Collection Tool

Aim	Measure Name	Calculation(s)	Goal	Potential Data Collection Tool Question(s)	Key Clinical Activity	Track(s)
Perform routine radiographic or laboratory studies for ≤ 10% of patients when a diagnosis of bronchiolitis is made based on history and physical examination.	% of patients with radiographic studies obtained	**Source:** Question 1 **Numerator:** (x) Total number of patients with radiographic studies obtained (Yes answer to question 1) **Denominator:** (y) Total number of charts in chart set	GOAL = 10%	1. Were radiographic studies obtained? • Yes • No	Diagnose and assess	Emergency Department Outpatient Inpatient
Perform routine radiographic or laboratory studies for ≤ 10% of patients when a diagnosis of bronchiolitis is made based on history and physical examination.	% of patients with viral testing obtained	**Source:** Question 2 **Numerator:** (x) Total number of patients with viral testing obtained (Yes answer to question 2) **Denominator:** (y) Total number of charts in chart set	GOAL = 10%	2. Was viral testing (RSV, Flu AB, any other viral panel) obtained? • Yes • No	Diagnose and assess	Emergency Department Outpatient Inpatient

EQIPP: Bronchiolitis

Measure Calculations for Data Collection Tool

Administer albuterol (or salbutamol) and epinephrine to ≤ 10% of infants and children with a diagnosis of bronchiolitis.	% of patients with bronchodilators administered	**Source:** Question 3 **Numerator:** (x) Total number of patients with bronchodilators administered (Albuterol and/or Epinephrine answer (s) to question 3) **Denominator:** (y) Total number of charts in chart set	GOAL = 10%	3. Were any of the following bronchodilators administered for this patient? • Albuterol (salbutamol) • Epinephrine • NA, no bronchodilators administered	Ensure treatment recommendations are followed	Emergency Department Outpatient Inpatient
Administer systemic corticosteroids to ≤ 10% of infants with a diagnosis of bronchiolitis in any setting.	% of patients with systemic corticosteroids administered	**Source:** Question 4 **Numerator:** (x) Total number of patients with systemic corticosteroids administered (Yes answer to question 4) **Denominator:** (y) Total number of charts in chart set	GOAL = 10%	4. Were systemic corticosteroids administered for this patient? • Yes • No	Ensure treatment recommendations are followed	Emergency Department Outpatient Inpatient
Perform chest physiotherapy for ≤ 10% of infants and children with a diagnosis of bronchiolitis.	% of patients who received chest physiotherapy	**Source:** Question 5 **Numerator:** (x) Total number of patients who received chest physiotherapy (Yes answer to question 5) **Denominator:** (y) Total number of charts in chart set	GOAL = 10%	5. Did this patient receive any chest physiotherapy? • Yes • No	Ensure treatment recommendations are followed	Emergency Department Outpatient Inpatient

Measure Calculations for Data Collection Tool

Administer antibacterial medications to ≤ 15 % of infants and children with a diagnosis of bronchiolitis unless there is a concomitant bacterial infection, or a strong suspicion of one.	% of patients with antibiotics administered	**Source:** Question 6 **Numerator:** (x) Total number of patients with antibiotics administered (Yes answer to question 6) **Denominator:** (y) Total number of charts in chart set	GOAL = 15%	6. Was an antibiotic administered for this patient? - Yes - No	Ensure treatment recommendations are followed	Emergency Department Outpatient Inpatient
Screen for positive tobacco smoke exposure in 100% of infants and children when accessing for bronchiolitis.	% of patients screened for exposure to tobacco smoke	**Source:** Question 7 **Numerator:** (x) Total number of patients in which exposure to tobacco smoke (Yes or No answer to question 7) **Denominator:** (y) Total number of charts in chart set	GOAL = 100%	7. Did this patient screen positive for exposure to tobacco smoke? - Yes - No - No screening performed	Diagnose and assess Ensure exposure to 2nd hand smoke is limited	Emergency Department Outpatient Inpatient

Measure Calculations for Data Collection Tool

Provide anticipatory guidance and counsel to 100% of caregivers.	% of patients exposed to tobacco smoke whose care-givers received counseling, referral to cessation resources or recommendation to use NRT	**Source:** Question 7a **Numerator:** (x) Total number of care-givers who received counseling, referral to cessation resources or recommendation to use NRT (Yes answer to question 7a) **Denominator:** (y) Total number of positive screens for exposure to tobacco smoke (Yes to question 7)	GOAL = 100%	7a. **If yes to 7:** Did this patient's caregiver(s) receive counseling, referral to cessation resources, or a recommendation to use Nicotine Replacement Therapy provided? - Yes - No	Ensure exposure to 2nd hand smoke is limited Provide anticipatory guidance	Emergency Department Outpatient Inpatient
Provide anticipatory guidance and counsel to 100% of caregivers.	% of patient/families who received bronchiolitis education on evidence-based diagnosis, treatment and prevention	**Source:** Question 8 **Numerator:** (x) Total number of patient/families who received bronchiolitis education on evidence-based diagnosis, treatment and prevention (Yes answer to question 8) **Denominator:** (y) Total number of charts in chart set	GOAL = 100%	8. Did this patient receive bronchiolitis education/anticipatory guidance? - Yes - No	Provide anticipatory guidance	Emergency Department Outpatient Inpatient

Measure Calculations for Data Collection Tool

Provide a copy of the patient's medical summary / discharge plan to 100% of families.	% of patients with a medical summary/discharge plan provided to the family	**Source:** Question 9 **Numerator:** (x) Total number of patients with a medical summary/discharge plan provided to the family (Yes answer to question 9) **Denominator: (**y) Total number of charts in chart set	GOAL = 100%	9. Was a medical summary/discharge plan provided to the family? • Yes • No	Follow Up and Communication	Emergency Department Outpatient Inpatient
Provide a copy of the patient's medical summary / discharge plan to 100% of patient's PCP or Medical Home.	% of patients with discharge plan communicated to Primary Care Provider	**Source:** Question 10 Numerator: (x) Total number of patients with discharge plan communicated to the PCP (Yes answer to question 10) **Denominator: (**y) Total number of charts in chart set	GOAL = 100%	10. Was the discharge plan communicated to the Primary Care Provider/Medical Home? • Yes • No	Follow Up and Communication	Emergency Department Inpatient
			Bundled Measure			
Provide optimal care for 75% of infants and children with a diagnosis of bronchiolitis.	% of patients receiving optimal assessment and treatment for bronchiolitis	**Source:** Questions 1, 2, 3, 4, 5, and 6	Goal = 75%	**Numerator:** (x) Total number of patients with no radiographic studies, viral testing, or bronchodilators obtained, AND no systemic corticosteroids, chest physiotherapy and antibiotics administered (**No** answers to question 1, **AND** 2, **AND** 4, **AND** 5, **AND** 6, **AND NA, no bronchodilators administered** to question 3)	Diagnosis and Assess Ensure treatment recommendations are followed	Emergency Department Outpatient Hospitalist

5

Measure Calculations for Data Collection Tool

				Denominator: (y) Total number of charts in chart set		