

EQIPP for Residents: Team MDI (Managing Daily Inhalers)

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EQIPP Helping You Improve Care for Children

- EQIPP Education in Quality Improvement for Pediatric Practice
 - <u>https://eqipp.aap.org</u>
 - Unique online learning program that weaves improvement principles & concepts w pediatric-specific clinical content to improve children's health outcomes
 - EQIPP courses designed to help you identify & close the gaps in your practice using practical tools:
 - Learn to document improved quality care on a continuous basis,
 - QIDA database w generated run charts that are perfect for PCMH application submission
 - EQIPP courses:
 - Are included w AAP membership
 - Earn you CME credit, &
 - Qualify for 25 ABP MOC Part 4 (Performance in Practice) points

EQIPP

- Currently, 11 courses available
- Besides MOC Part 4 credit, you can get 25 – 65 CME credits

Available Courses - Click a title t	o view details and re	gister	
Course Name 🔺	Tracks 😢	CME Credits 😢	Expiration Date 🕗
EQIPP: ADHD - Diagnose, Treat, and Monitor	N/A	27	10/06/2022
EQIPP: Asthma	Hospitalist Generalist	54	12/31/2020
EQIPP: Bright Futures - Infancy and Early Childhood	9 and 24 Months	29	12/31/2020
EQIPP: Bright Futures - Middle Childhood and Adolescence	12 and 16/17 years	29	04/09/2021
EQIPP: Bronchiolitis	Emergency Department Outpatient Inpatient	65	02/20/2021
EQIPP: GERD	Subspecialist Generalist	46	04/25/2021
EQIPP: Growth - Addressing Concerns and Management	Endocrinologist Generalist	45	07/08/2021
EQIPP: Hypertension	Subspecialist Generalist	45	04/09/2021
EQIPP: Oral Health	Generalist	28.50	12/31/2020
EQIPP: Substance Use - Screening, Brief Intervention, Referral to Treatment	Generalist	25	10/22/2021
EQIPP: Treating Tobacco Product Use and Exposure in Families	Generalist	45	05/29/2022

Coming Soon

Select course(s) and click Notify Me to receive an email when a course is available

EQIPP: Talking About Serious Illness

Notify Me

EQIPP: Asthma

- Tracks:
 - Generalist
 - Hospitalist

EQIPP Home QI Basics	Asthma EQIPP for Residents My EQIPP Groups	f 🖪		
EQIPP: Asthma				
Home My Improvement	Project Clinical Guide Resources Course Evaluation Claim Credit Help	My Bookmarks		
Course Introduction				
Generalist	This course is designed to provide you with guidance regarding asthma diagnosis, its control and follow-up, spirometry testing and measurement, medications administration, flu vaccination, asthma action plan development, and active partnership between provider features diagnosis and management guidance from National Heart, Lung, and Blood Institute's National Asthma Education and Prevention Program. Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma.			
Hospitalist				
	Start Track			
	Clinical Guide: Key Clinical Activities			
	Diagnosis Control and Follow Up			
	Spirometry			
	Medications			
	Vaccinate for Influenza			
	Asthma Action Plan Education			
	Schooled in Asthma			
	Children's Health Changing Wi	hat's Possible		

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Add to My Bookmarks

Page 1 of 1

Add to My Learning Plan

Asthma Generalist | Change Track

Quality Improvement

Diagnosis

Criteria and Methods

Key Clinical Activities

Initial Assessment

Quality Improvement

Assessment

- Summary
- Asthma Control and Follow-up
- Spirometry
- Medications
- Vaccinate for Influenza
- Asthma Action Plan
- Education

Schooled in Asthma

Case Studies

Resources

Tools View Model for Improvement

How can EQIPP help me measure and improve?

Measures are essential for quality improvement. They help determine the changes that will lead to quantitative improvement in quality.

Tools to Measure Quality

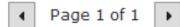
View the Asthma Measures, including how each measure is calculated, along with suggested aims, associated data collection questions, and targeted goals. Pay particular attention to those for this key activity.

View the **Data Collection Tool** used to collect and enter patient data in order to measure your current level of performance. Pay particular attention to the questions related to this key activity.

Ideas for Change

If measurement reveals gaps in your practice, view the **Suggested Ideas for Change Tool** to help bridge the gaps.





EQIPP: Asthma Tools & Resources

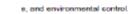
FIGURE 4-2a. CLASSIFYING AST TREATMENT IN CHILDREN 0-4 YE

Assessing severity and initiating therapy in children w medication

Components of Severity		Classi	
		Intermittent	
	Symptoms	≤2 days/week	
	Nighttime awakenings	0	
Impairment	Short-acting beta ₂ -agonist use for symptom control (not prevention of EIB)	S2 days/week	
	Interference with normal activity	None	
Rick	Exacerbations requiring oral	0–1/year	
	systemic corticosteroids	Conside Frequences of an	
Recommended Step for Initiating Therapy		Step 1	
(See figure 4–1a for treatment steps-)		In 2–6 weeks, deper achieved. If no clear therapy or alternativ	
Key: EIB, exercise-induced bronchospasm			
Notes			
 The stepwise approach is meant to assist, not replace, th patient needs. 			

- Level of severity is determined by both impairment and ri recall of previous 2-4 weeks. Symptom assessment for inquiring whether the patient's asthma is better or worse: category in which any feature occurs.
- At present, there are inadequate data to correspond freque verity. For treatment purposes, patients who had ≥2 elepast 6 months, or ≥4 wheezing episodes in the past year considered the same as patients who have persistent as with persistent asthma.

Detential Derriers or	d Suggested Ideas for Change	Audition of Podel Mi	ation	of Asthma Contro	ol (0–4 years of age)
Potential Barriers ar	nd Suggested Ideas for Change		ed	Not Well Controlled	Very Poorly Controlle
Key Activity: Diagnose all childrer	n with asthma.		eek	>2 days/week	Throughout the day
as noted in Box 3-1 of the National	hma is necessary to ensure proper treatment. Clinicians should use key indica Heart, Lung, and Blood Institute (NHLBI) guidelines and support the diagnosis for 90% of all patients with asthma. Exclude all other diagnoses.		h	>1x/month Some limitation	>1x/week Extremely limited
Potential Barriers	Suggested Ideas for Change	Still Not Seeing Results?			
Gap: A clear diagnosis o	of asthma is not consistently established in accordance with NHLBI guidelines a	and/or documented in patients' charts.	ocik	>2 days/week	Several times per day
The NHLBI recommendations for establishing a diagnosis of asthma are not consistently	 Use key indicators for considering a diagnosis of asthma as noted in <u>Box 3-1</u> of the NHLBI guidelines. The presence of multiple key indicators increases the probability of a diagnosis of asthma. 	Discuss the importance of following all recommended procedures for diagnosing asthma in your staff meeting. Review passage		2_3/year	>3/year
followed in your practice.	 Use physical examination and detailed medical history to help establish the diagnosis. A structured medical history questionnaire such as in <u>Figure 3-2</u> of the NHLBI guidelines can aid this effort. For children 5 years or older, use spirometry if any key indicator is present to demonstrate obstruction and assess airflow reversibility. Determine reversibility by an increase in FEV₁ of >200 mL and 12% from the baceline measure after instalation E SABA 	of the NHLBI guidelines, eg. <u>Box 3-2</u> , about the importance of spirometry in asthma. Talk about potential barriers, and brainstorm ways to overcome them. Review documentation of bronchodilator responsive wheezing episodes to facilitate recognition of patients who may have an	ne level (of intensity does not corre red in the overall assessme • Step up (1 step) and • Reevoluste in 2–6 weeks. • If no dear benefit in 4–6 weeks, consider	 Consider short course oral systemic corticosteroids, Step up (1–2 steps), ar Reevaluate in 2 weeks
from the baseline measure after inhalation of SABA. For children younger than 5 years with wheeze, use the API, which outlines the major and minor criteria to identify children at future risk for developing persistent asthma. A trial of therapy may be necessary when the diagnosis cannot be confirmed by pulmonary function testing.	asthma diagnosis. Obtain and use tools such as the asthma key indicator list, history questionnaire, API, differential diagnostic possibilities, and asthma severity tables. Make these resources accessible in exam rooms.	ap prat the	alternative diagnoses or adjusting therapy. • For side affacts, consider alternative treatment options.	 If no clear benefit in 4 weeks, consider alten diagnoses or adjusting therapy. For side affects, consi alternative treatment options. 	
		Obtain spirometry equipment that meets ATS standards or form a liaison with another resource that conducts spirometry.	the clin	nical decisionmaking re	quired to meet individua
Staff may be reluctant to label a patient's condition as asthma. However, diagnoses such as	 Exclude alternative diagnoses. Consult <u>Box 3-3</u> of the NHLBI guidelines—Differential Diagnostic Possibilities for Asthma—for other possible causes of airway obstruction leading to wheezing. 		sessmo	r risk category. Assess ent for longer periods si better or worse since t	
reactive airway disease, EIB, or viral pneumonia could result with under-treating the disease.	 Classify asthma severity at the time of diagnosis to initiate treatment, using <u>Figure 3-4a</u>, <u>Figure 3-4b</u>, and <u>Figure 3-4c</u> of the NHLBI guidelines based on the patient's age. The selection of type, amount, and scheduling of therapy should correspond to the level of asthma 		ations ise con s in the	(e.g., requiring urgent, trol. For treatment pur past year may be cons	ith different levels of ast unscheduled care, poses, patients who hav sidered the same as pat- istent with not-well-cont



acontinue it and use preferred treatment for that step.

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Page 1 of 3

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CONTROL AND ADJUSTING

EQIPP for Residents

- Almost identical to EQIPP, but w less courses/topics
- Residents can be grouped into different teams that project champions can track & manage
- Each track/topic is managed separately, & have the following completion requirements:
 - Complete QI Basics
 - Enter Baseline data (min 5 charts)
 - Complete Improvement Plan w min 1 Aim Statement
 - Enter Follow Up data (min 5 charts)
 - Repeat steps 2-4 (2nd follow up data cycle)
 - Complete course evaluation
- Residents can earn MOC Part 4 credit during residency that they can bank to apply in the future
 - Project champions (senior residents & faculty) earn MOC Part 4 too
 - Each course can only be have MOC Part 4 credit applied one time



Asthma Generalist

Bright Futures 9 and

Oral Health

24 Months

Immunizations

EQIPP	Helping You Improve Care for Chi	American Academy of Pediatrics
EQIPP Home QI Basics	EQIPP for Residents My EQIPP Groups	f B
EQIPP: For Resid	lents	
Home My Improveme	nt Project Clinical Guide Resources	Course Evaluation Claim Credit Help My Bookmarks
Course Introduction	My Improvement Project Asthma Ge	
Asthma Generalist 📀	Baseline Data * Cycle 1 * Cycle 2 * * Completion Required to claim credit	In Progress
Bright Futures 9 and 24 Months	CONTINUE: Enter Data Baseline	
Immunizations 19-23 Month	Clinical Guide: Key Clinical Activities	In Progress
Upper Respiratory Infection	Asthma Control and Follow up Spirometry Medications	In Progress In Progress In Progress
Oral Health	Vaccinate for Influenza Asthma Action Plan Education	In Progress In Progress In Progress

Manage/Track Team MDI

• In EQIPP, you can create groups to allow you to collaborate w other pediatricians in your practice to achieve QI!

EQIPP makes it easy to collaborate with other pediatricians in your practice to achieve QI! Use the included tools to:

EQIPP for Residents

Assign group administrator(s)

EQIPP Home QI Basics

- Enter aggregate data (administrator feature)
- Compare individual data to group data and recommended goals
- Coordinate and collaborate on ideas for change
- Send emails to the group administrator and/or other members of your team directly from the "My EQIPP Groups" page

Before requesting a group, all participants must already be registered for the EQIPP course(s) the group will be using.

Click here to request an EQIPP group

"EQIPP was good to do together as a group. When we put our findings together and presented to the group the findings had more weight. We walked away energized about more quality improvement. I highly recommend it to anyone."

- Dr. Vidal-Phelan about her group experience with EQIPP: Eliminating Tobacco use & Secondhand Smoke Exposure

My EQIPP Groups

Need help with your group? Email EOIPP@aap.org

Status of My EQIPP Groups





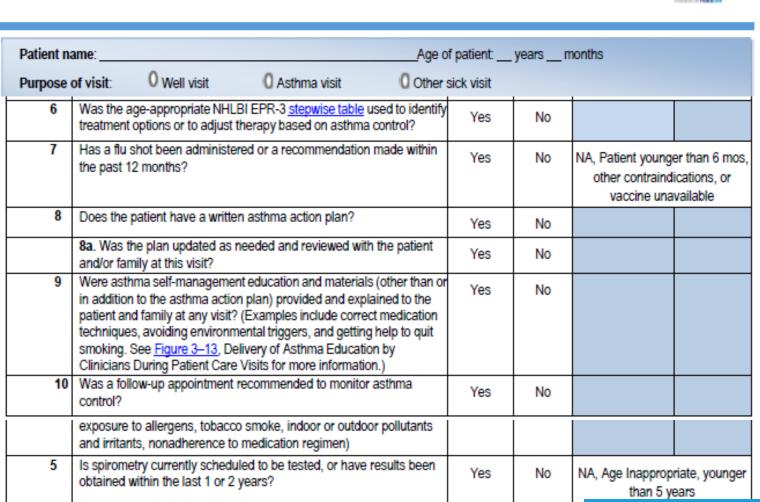


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EQIPP Chart Audit Tool

EQIPP: Asthma (Generalist)





American Academy of Pediatrics

Changing What's Possible

EQIPP Chart Audit Tool

Appendix

Asthma key indicators:

- + History of recurrent wheezing episodes that respond to treatment
- + History of any of the following:
 - cough, worse particularly at night
 - recurrent difficulty in breathing
 - recurrent chest tightness
- † Direct observation in the clinic of acute wheezing that responds to bronchodilators
- Recurrent respiratory symptoms in a child at high risk for development of asthma (eg, positive asthma predictive index)

Example validated instruments used to determine the level of asthma control:

- † Asthma Therapy Assessment Questionnaire (ATAQ)
- + Asthma Control Questionnaire (ACQ)
- Asthma Control Test (ACT)
- + Childhood Asthma Control Test (Childhood ACT)

Assessing Asthma Control

- Figure 3-5a, Assessing Asthma Control in Children 0-4 Years of Age
- Figure 3-5b, Assessing Asthma Control in Children 5–11 Years of Age
- Figure 3-5c, Assessing Asthma Control in Youths ≥12 Years of Age and Adults

Classifying Asthma Severity to Initiate Treatment

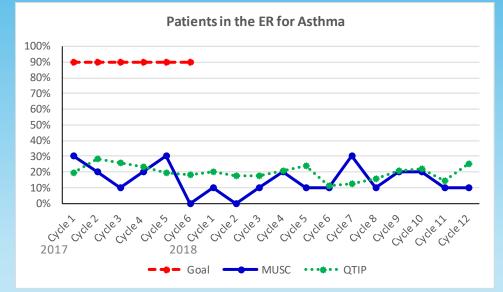
- Figure 4-2a, Classifying Asthma Severity and Initiating Therapy in Children 0-4 Years of Age
- Figure 4-2b, Classifying Asthma Severity and Initiating Therapy in Children 5–11 Years of Age
- Figure 4-6, Classifying Asthma Severity and Initiating Therapy for Youths ≥12 Years of Age and Adults

Assessing Asthma Control to Maintain or Adjust Therapy

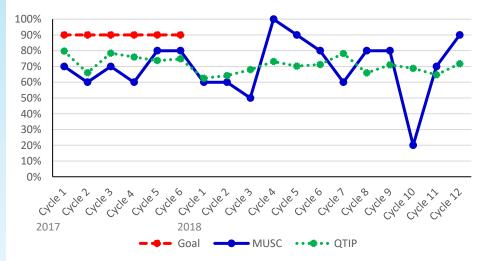
- Figure 4-3a, Assessing Asthma Control and Adjusting Therapy in Children 0-4 Years of Age
- Figure 4-3b, Assessing Asthma Control and Adjusting Therapy in Children 5–11 Years of Age
- Figure 4-7, Assessing Asthma Control and Adjusting Therapy for Youths ≥12 Years of Age and Adults

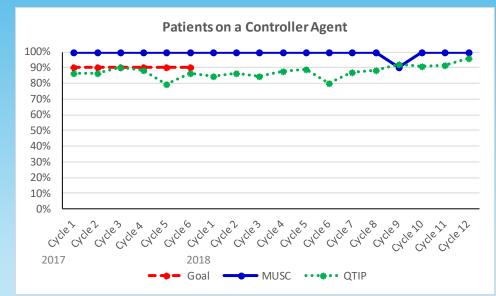


MUSC's Asthma QTIP Project

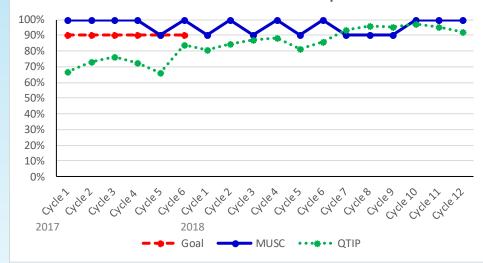


Pts Who Have Been Seen For Scheduled Visit in the Past 3 Mo

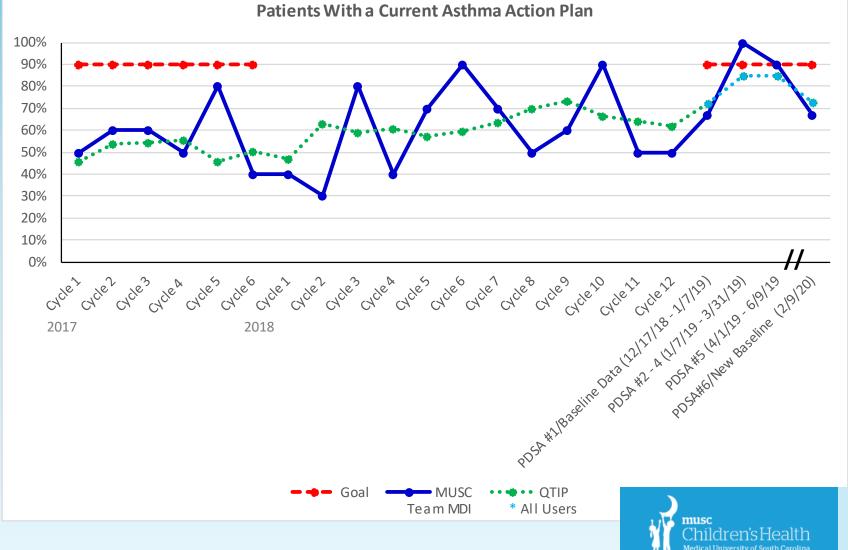




Patients Screened For Tobacco Exposure

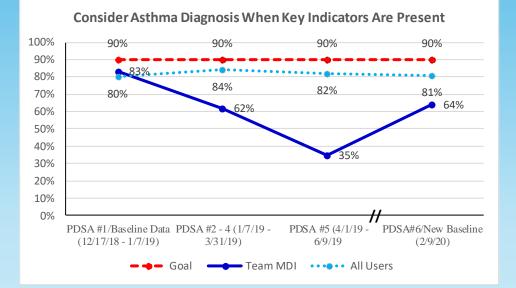


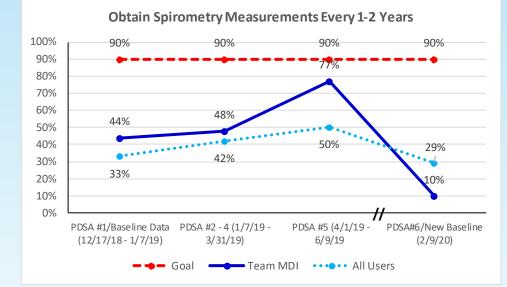
MUSC EQIPP for Residents: Team MDI (Extension of QTIP Areas of Focus)

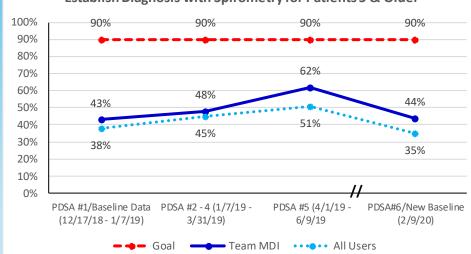


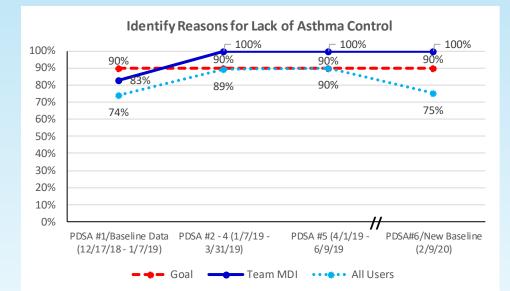
Changing What's Possible

MUSC EQIPP for Residents: Team MDI





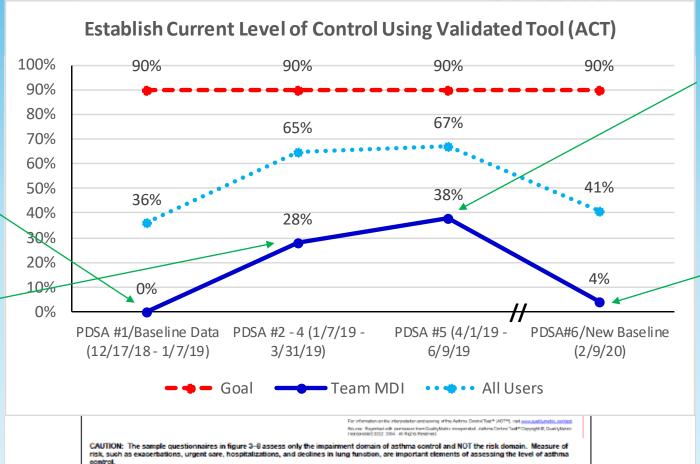




Establish Diagnosis with Spirometry for Patients 5 & Older

MUSC EQIPP for Residents Team MDI

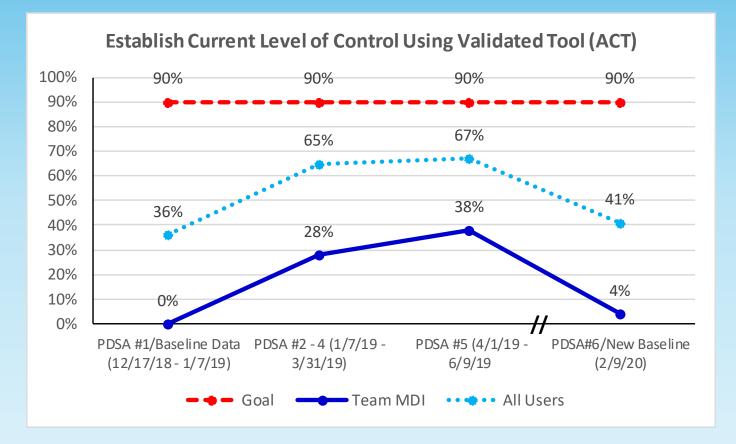
- PDSA#1 Use the Epic PCMH Registry to identify pts w asthma on which to conduct chart audits
- PDSA#2: Review chart audit results to determine on what area to focus
- PDSA#3: Create ".ppcasthmafu" note template w ACT documentation imbedded
- PDSA#4: Email reminders to residents & attendings about ACT & ".ppcasthmafu" note template. Also provided ACT & educated nurses to distribute ACT during triage



- PDSA#5: Reemphasized importance of distributing the ACT in triage w nursing staff
- F/u chart audit #2 completed w PDSA#6 planned; however, EQIPP stop w a > 6month hiatus at residency program request to allow QI education of new intern class
- PDSA#6: Use Epic PCMH Registry to identify pts w asthma on which to conduct chart audits & obtain new baseline to determine on what area to focus

AIM: By March 31, 2019, our goal is to increase documentation of asthma control from 0% to 25% in asthma f/u visits by giving pts the ACT & documenting the results using note template ".ppcasthmafu" AIM: Based on results from follow-up chart audit #1, by June 10, 2019, our goal is to increase documentation of asthma control from 28% to 60% in asthma f/u visits by giving pts the ACT & documenting ACT results using ".ppcasthmafu" note template

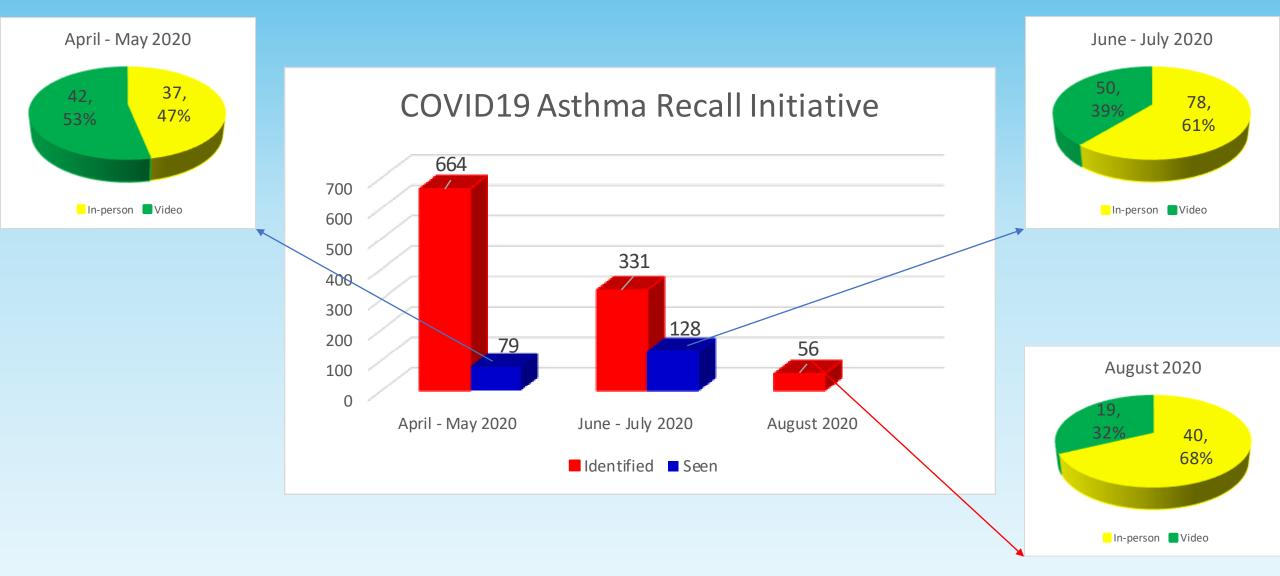
COVID Hit







The New Normal – A New Initiative



musc Children's Health

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Medical University of South Carolina

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