

IMPROVING PATIENT AND CLINICIAN DECISION-MAKING IN ASTHMA CARE: THE ASTHMA CONTROL MONITOR©

BACKGROUND

- Asthma is a highly variable inflammatory disease that blocks airflow, causes airway symptoms and imposes limitations.
- If airway inflammation is present airflow obstruction can occur after exposure to environmental triggers, including smoke and allergens.
- Inhaled corticosteroids (ICS) are the most effective anti-inflammatory treatment for asthma.
- Effective self-care and clinical services require frequent, standardized assessments to adjust therapy, reduce triggers and maintain asthma control.

INTRODUCTION

- Lack of appropriate assessments and reliable information contribute to inadequate medical decision-making when based only on a clinical history and physical examination.
- Discordance between patients' verbal histories and records of actual medication and health services use (claims) shows that clinicians overestimate use of ICS and underestimate asthma risk and impairment.
- The Asthma Control Monitor© (ACM©) coupled with My Asthma Control report address these barriers by closing critical gaps in communication between patients and providers.
- The ACM[©] is an innovative application tool that graphically describes the current level of asthma control in accordance with national asthma guidelines in two display formats.
- The first format is designed to improve provider decision-making and guide EPR3 compliant treatment decisions. This is called the Asthma **Control Monitor**[©]**.** The second format is designed to enable patients to make better treatment decisions. This is is called My Asthma Control©.

User: Demo

Indicator/Measure
FEV ₁
FEV ₁ /FVC
Impairment Score
Short-Acting Beta Agonist (SABA)
Systemic Steroid Bu
Acute Care Days (AC
Inhaled Corticostero (ICS)
Antibiotics
High Fidelity
Influenza Vaccine
Inhalation Technique
Cost (Total Care)
Environmental Risk
Co-morbidities:
Summary:Very poorly dispensing, impairment with more than 6 days
Recommendations:
 increase ICS adhe offer ICS STAR Ch
schedule CPT 989
complete Childhoo
consider Home Tri

Terminology Asthma Assessment Form Home Environment Assessment Form

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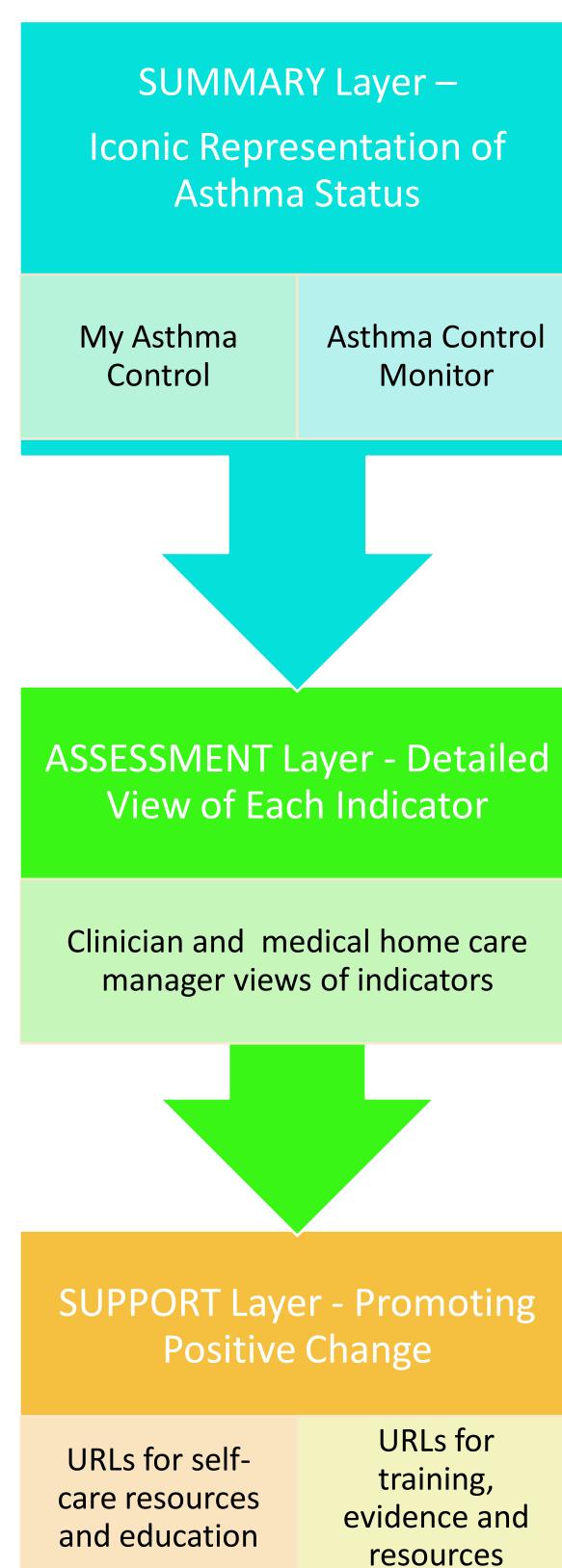
SCHEMATIC DESIGN

Asthma Control Monitor

	Choose a patient:	ennis Richie	
	Well Controlled	Not Well Controlled	Very Poorly Controlled
	> 80% of personal best Or % predicted	<mark>60%-80%</mark>	< 60%
	Normal	reduced by 6%-10%	reduced by > 10%
	None	Some	Lots
	< 3 doses/week	3-6 doses/week	>7 doses/week
rst	< 2/year	2-3/year	> 3/year
D)	< 2 days/year	2-6 days/year	> 6 days/year
ids	Low/Medium	High	Sub-therapeutic
	< 2/year	2-4/year	> 4/year
	< 2	2-3	> 3
	< 1 year	1-2years	> 2years
e (IT)	Good	Inadequate	Poor
	< 120%	120%-200%	> 200%
	> 65	50-65	< 50

controlled, high risk with impairment, urgent follow-up appointment indicated, inadequate ICS t includes night awakenings, difficulty running/playing hard, etc. Total cost of care is very high per year of acute care for asthma.

rence nart incentive 60 (ACE) d Asthma Risk Assessment Tool igger Reduction Visit





	ASTHMA ASSESSMENT TOOL
	 Summary fields in the ACM© provide "clickable" links to detailed tables stamped by date and source.
	 Assessment data (functional impairment score, FEV1, inhalation technique-inspiratory flow rate and time, and environmental risk) from school nurses, pharmacists, community asthma educators and clinical staff can be merged with claims data and displayed for clinical providers to determine asthma severity and control. Clinical asthma educators collect assessment data during Counseling for Risk Reduction (CARR©) asthma education sessions prior to a patient seeing their provider.
	MY ASTHMA CONTOL REPORT
	 The data will then populate the ACM© and display treatment information to the provider, clinical asthma educator, and the patient (My Asthma Control© or MAC©) in a visually iconic report. This provides for standardized, evidence-based Asthma Ready® educational and service intervention delivery specifically targeted for areas of patient asthma control concerns and issues derived from MAC© report. These reports are health literate deliverables for parents, school nurses, community health workers, environmental specialists, and providers themselves.
	ACKNOWLEDGEMENTS
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	CENTERS FOR DISEASE " CONTROL AND PREVENTION
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