Six months to Develop, Implement and Evaluate a Mobile Integrated Health Model that Fulfills the **IHI Triple Aim** Kacy Allgood Presented to: International Roundtable on Community Paramedicine Reno, Nevada September 5th, 2014 III | INDIANA UNIVERSITY was supported by Grant No. #H34MC26203 from the Health Resources and Services Administratio the responsibility of the authors and do not necessarily represent the official view of the Health Res Administration or DHS.

The new rules of health care

The IHI Triple Aim encourages healthcare delivery models that:

- Improve healthcare quality and patient satisfaction
- Improve the health of populations
- Reduce per capita cost of healthcare



IHI recommends that new programs:
• Identify target populations

- Define system goals
- Develop projects strong enough to create systemwide results
- · Allow for rapid testing and scale up adapted to local needs and conditions

http://www.ihi.org/offerings/Initiatives/TripleAIM/Pages/default.aspx

Overview - Treat the Streets: Prehospital pediatric asthma intervention model to improve child health outcomes



Goals

- Preventing ED and Hospital Readmission Improving Health Care Access Developing the paramedic workforce
- Research, data analysis, and dissemination
- Fiscal & operational sustainability

Patient Needs



Local hospitalization frequency and cost (2013)

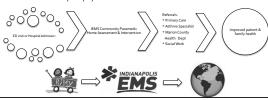
- 15,000 (11%) children, age 5-17, in Indianapolis, have asthma
- Average asthma-related hospital stay in Indy =\$13,597
- Nearly 60% of these hospital stays were paid for by publically funded programs
- As much as 25% will readmit within a month of discharge

Methods



Paramedics provide post-discharge in-home visits to pediatric asthma patients (2-17 yrs old) who have been:

- Identified as high-risk AND
- Discharged from an observation or inpatient hospital stay OR Referred by ED physicians



Community paramedic asthma home visits provide:

Clinical assessment and medical interventions





Medication reconciliation

Asthma and medication education







Environmental assessment

Referrals to appropriate medical & social services

- PCP
 Health dept / pest control / housing / legal assistance



Planning & Development

- Program plan contents

 Target population
 System goals & objectives
 Evidence of need
 Organizational capacity
 Available community resources
 Strengths & roles of key personnel
 Organizational relationships
 Project design
 Outline of operational plan
 Data collection, analysis & distribution methods
 Evaluation methods
 Timeline









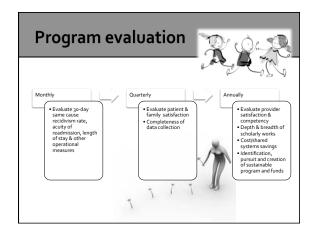


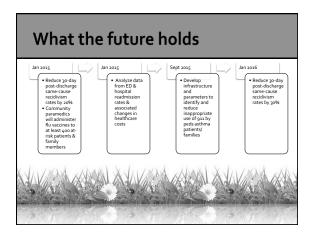
This plan creates
 projects strong enough to create system-wide

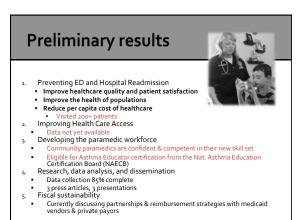
results
• rapid testing and scale-up ability, adapted to local needs and conditions

Program Development Timeline

Implementation Timeline					
January 2014 1.1" patient visit 1. Ensure that existing I.U Health/Riley infrastructure can accept 2-3 patients/ wk who need follow- up care July 2014 1. Develop pediatric asthma registry 5 har e preliminary 5 har e preliminary 5 har e preliminary 6 har objection & analysis process complete and refined	survey				
Visit avg of 12 patients/week	2				







Pediatric g	rant,	with	family	, focused
intervention	nns			



Kids lack the decision making authority and control of many lifestyle choices that affect their health.

- Goals

 Slow and prevent chronic disease progression

 Educate and empower patients and families

 Decrease non-compliance and increase self care

 Improving healthcare access

 Remove barriers to effective treatment

Our most frequent interventions involve the caregivers or the whole family.

Strengths

- Robust medical direction
- Key decision makers were vested and a portion of their time/effort was
- Buy-in from key stakeholders in area hospitals, the ambulance service & community partners
- Open communication between project managers at Riley & IEMS
- We have wonderful medics

If we had to do it all over again...

■ Involve your IT and clinical decision making teams early and often

AND THE GEEK SHALL INHERIT THE EARTH.



http://www.comicmix.com/2013/03/16/marc-alan-fishman-and-the-geek-shall-inherit-the-earthy



Questions? Contact Kacy Allgood at allgoodk@iu.edu