

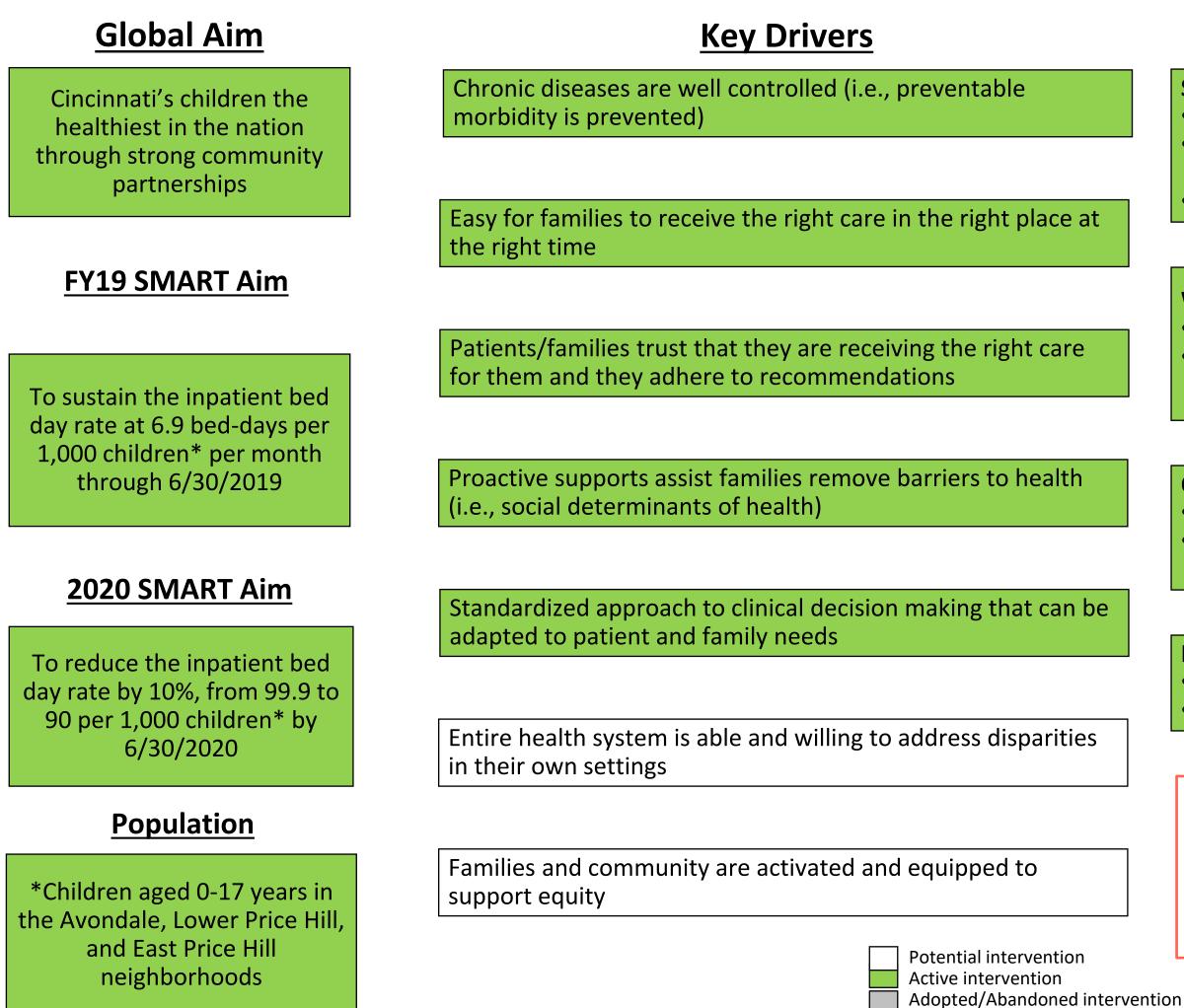
# Reducing the Days Children Spend in the Hospital: A Focus on Chronic Disease

December 2018 Learning Session



## Inpatient Bed Day Disparity Reduction **Key Driver Diagram**

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James M. Anderson Center for Health Systems Excellence Note: SMART aim excludes children hospitalized for management of cancer, transplant, mental health. Data tracked both with and without those with prolonged LOS (>14 days or 3SD above mean)



#### **Revision Date: 10/22/2018**

#### **Areas of Focus**

#### Standardization of asthma care

- Controller refills, medication delivery
- Integration of care coordination, CHWs, ancillary services (e.g., Legal Aid)
- **Pre-visit planning**

#### Work across divisions/conditions

- Focus on high risk T1DM patients through DHD Award Democratized, transparent data for other
- divisions/conditions + education (?)

#### **Optimized transitions of care**

- Daily huddles/transition bundles
- Expand to other clinical settings (Complex Care, Teen Health Center, CHD clinic)

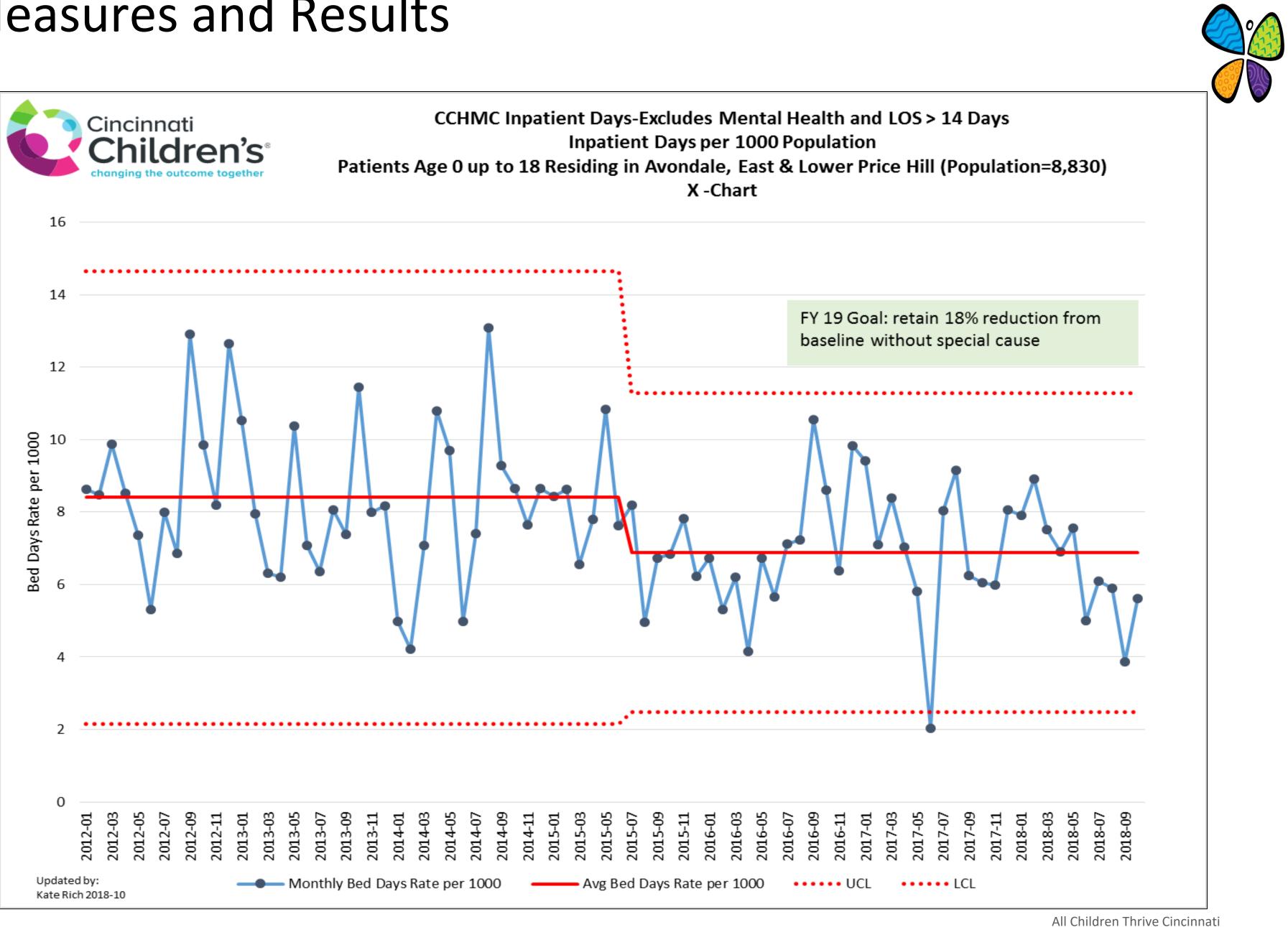
#### **Integration with other teams**

- Thrive & care gaps
- Place-based and housing (eviction)

#### **Prototypes to develop for FY19**

- Chronic care bundle (developed and tested in asthma, T1DM)
- RISEUP rapid response model (with place-based, housing group?)
- Education for subspecialties •

## **Measures and Results**



## Strategy and questions...

Our Mission...

The Inpatient Bed Day Disparity Reduction Team is working to understand the root causes of disparities that may be common across conditions (e.g., asthma, diabetes).

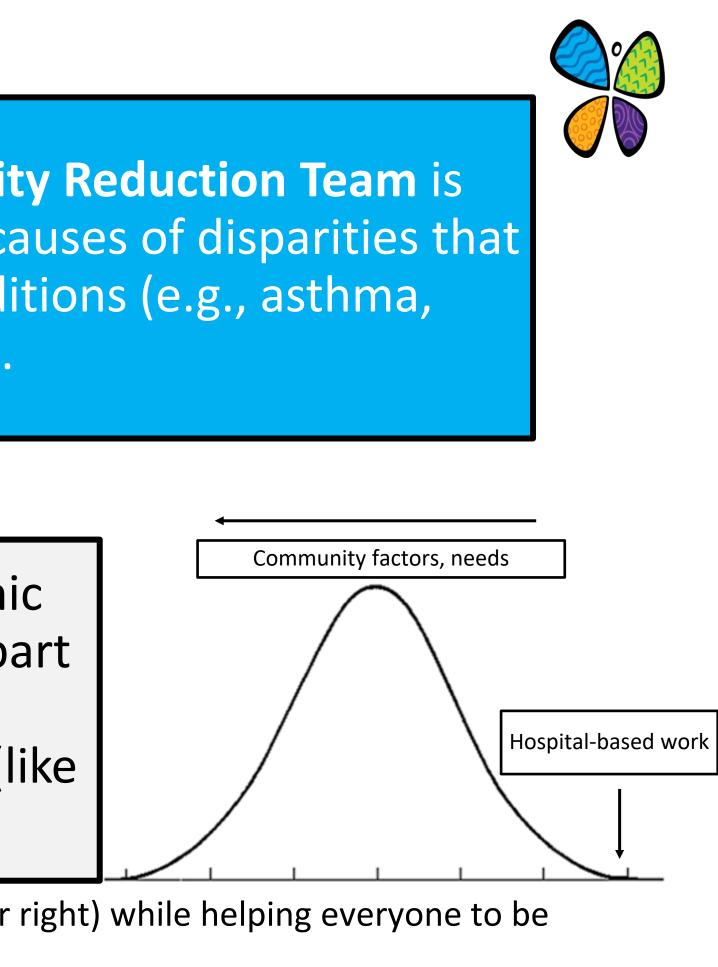
**Our Approach...** 

**Balanced focus** between chronic conditions managed at least in part by the hospital/clinics & the influence of community factors (like housing, access)\*

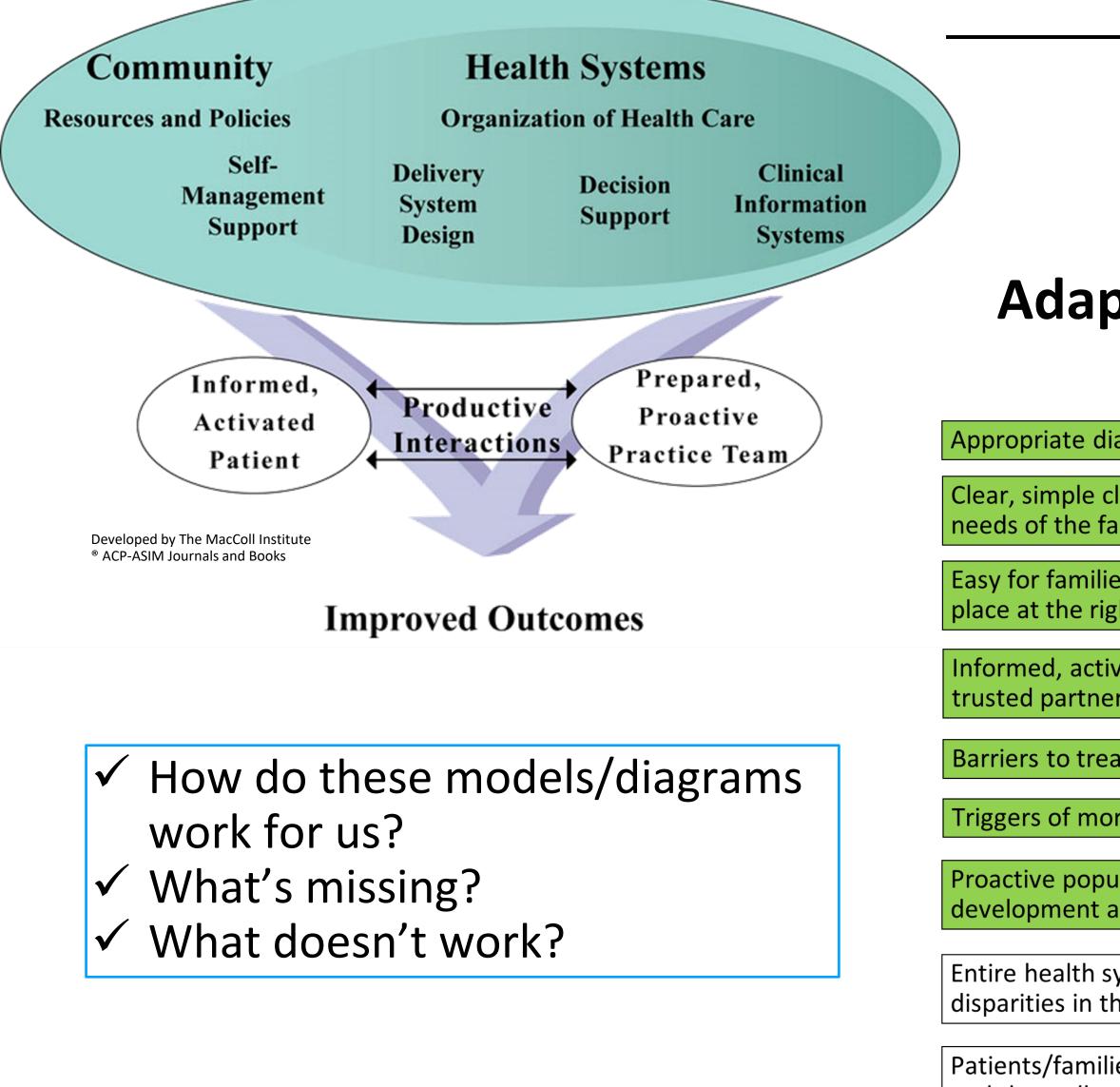
\*How can we best treat the sickest patients (far right) while helping everyone to be healthier (move whole curve)?

One Model...

The Chronic Care Model & Adapted chronic disease key drivers



#### **The Chronic Care Model**



Learning health equity system in place



## Adapted chronic disease key drivers

Appropriate diagnosis made and communicated to family

Clear, simple clinical care guidelines that can be adapted to meet the needs of the family (decision support, information systems)

Easy for families to receive the right care and treatments in the right place at the right time (organization of health care)

Informed, activated patients, families, and communities are true, trusted partners in care (co-production)

Barriers to treatment adherence are identified and addressed (SDoH)

Triggers of morbidity are identified and addressed (SDoH)

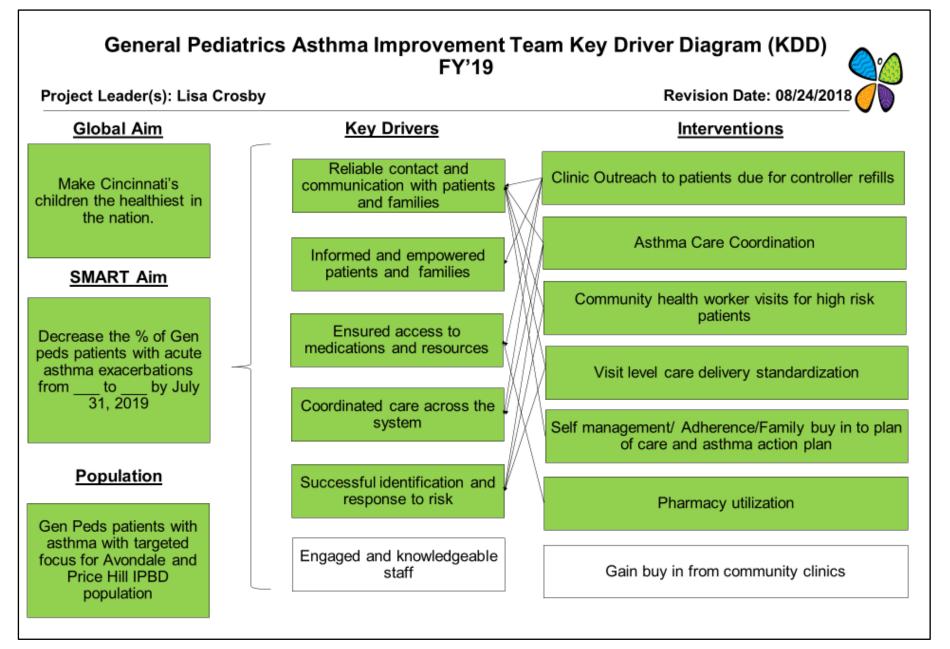
Proactive population management with supports present for registry development and consistent surveillance (prepared, proactive team)

Entire health system is resourced, activated, and expected to address disparities in their own settings

Patients/families trust that they are receiving the right care for them and they adhere to recommendations (self-management)

# Updates on Asthma work

## Our theory...



#### One strategy: deep dive CARAT data

ening Intake/Pain G			
	Expanded View All		
	(Child A		
	Identifying Information		
	Does your child need me		
	Does your child have any		
	Does your child need ast		
	Section A: Medical Ca		
	A1) Is your child responsi		
	A2) Please describe your		
	A3) If your child is on		
	A4) Have you ever rur		
	A5) When do you think yo		
	🖼 A6) Have you ever be		
	A7) When you are worrie		
	Section B: Environme		
	B1) Do you currently o		
	B2) Does your child have		
	B3) Do you have carpet o		
	B4) Do you have any gas		
	B5) Have you seen any m		
	B6) Have you ever seen c		
	B7) Have you ever seen e		
	B8) Do you or anyone els		
-			

#### Learnings and Next steps...

#### Consideration of & implementation of system-wide improvements: in-clinic standardization; medication home delivery

HIGHLIGHT: Pursuing seasonal outreach with those patients in need of controller medication

#### Testing on specified cohorts (e.g., high risk asthma patients within Avondale/Price Hill)

HIGHLIGHT: Small-scale connections to CHWs who are themselves connected to others – e.g., Legal Aid

#### Looking at measures related to utilization for these patients (e.g., symptom control, quality of life, utilization)

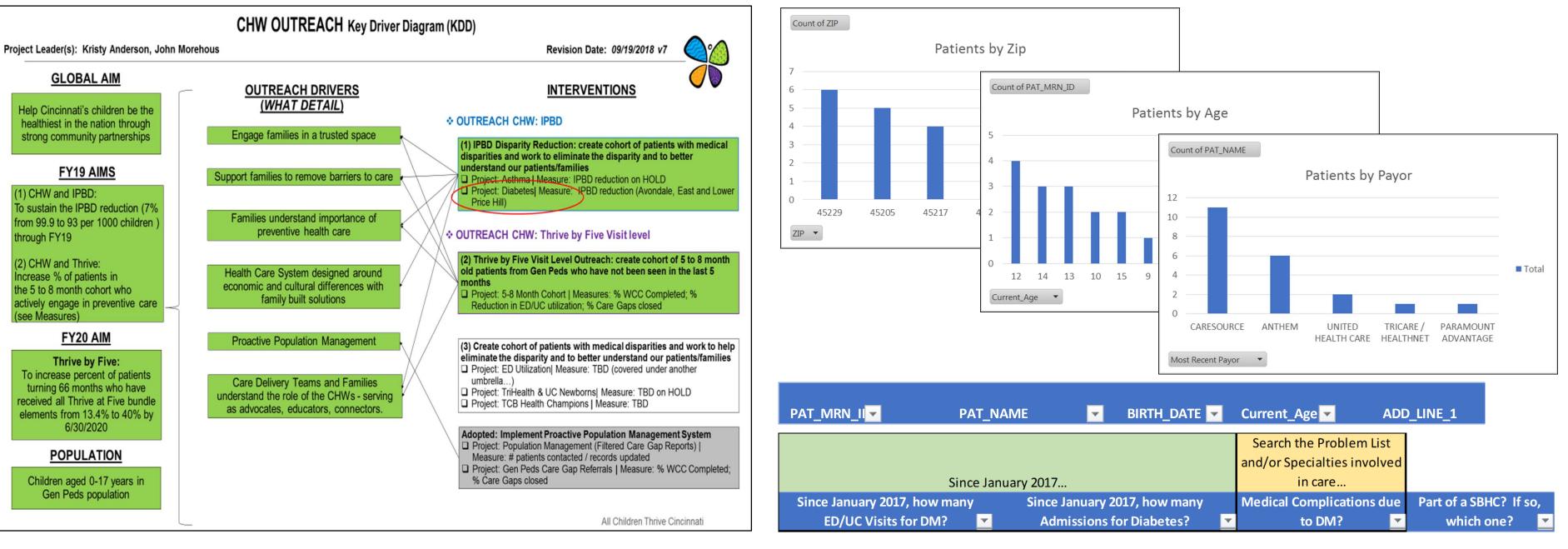
HIGHLIGHT: CARAT allows us to compare certain factors across neighborhoods (e.g., roaches, mold, access to care)



SPC Intake Vision and Hearing Sc Well Child CARAT-R			
	Office Visit from		
sthma <b>R</b> isk <b>A</b> ssessment <b>T</b> ool)	9/28/18		
Stilling Risk Assessment Tool	1423		
on			
edication at school or daycare?			
problems taking medication at school or daycare?			
hma medication(s) at a second location or home?			
are			
ible for taking his/her asthma medication on their own?			
child's daily routine for taking his/her medication?			
a daily asthma medication, do you have any problems			
n out of medication during an asthma attack?			
our child has trouble with their asthma?			
en given an AAP?			
d about your child's asthma where does he/she usually go			
ent			
own or rent your property?			
a humidifier/vaporizer in his/her bedroom?			
or rugs in the TV/family areas?			
appliances or a fire place in the home?			
old or water leaks in your home or basement?			
cockroaches in your home or basement?			
evidence of mice or rats in your home or basement?			
se who provides care for your child smoke?			

# Updates on Diabetes Work

### Our theory...



#### Learnings and Next steps...

- CHW has already established presence with our Endocrine Clinic and best practice for outreach, focusing on those T1DM patients in our target areas – has engaged with those at highest risk for bad outcomes
- We wish to further collaborate with the Specialty clinics to support "in-community" connections (merge chronic disease management with action on key social and environmental factors that influence health)
- Goal to continue to learn from families experiencing disparity (continue n of 1 stories)

## **Establishing Baseline...**



## Contacts

# Thank you! We welcome any questions or further discussion...

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