Using Population Health Data to Address the Social Determinants of Child Health

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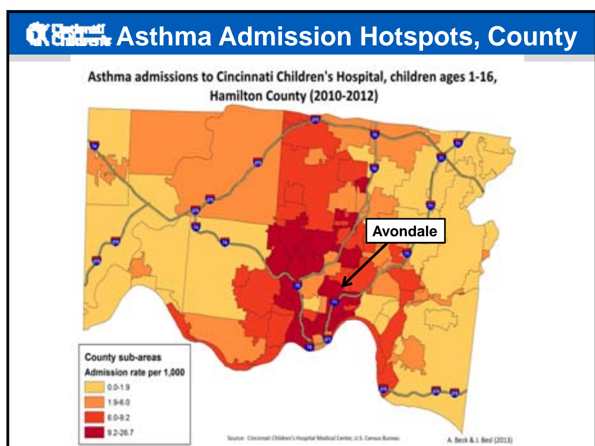
Clinical challenges

- 12 yo F with her 3rd asthma admission in 5 months, 1 to the ICU
- 23 mo M with a fall down stairs that had no gate
- 28 week premature F infant whose mother had one prenatal care visit and did not return

Asthma Admission Hotspots, County



Asthma admission rate p

Neighborhood injury rate per 1000 children aged 0-16 yrs (2010-2012)

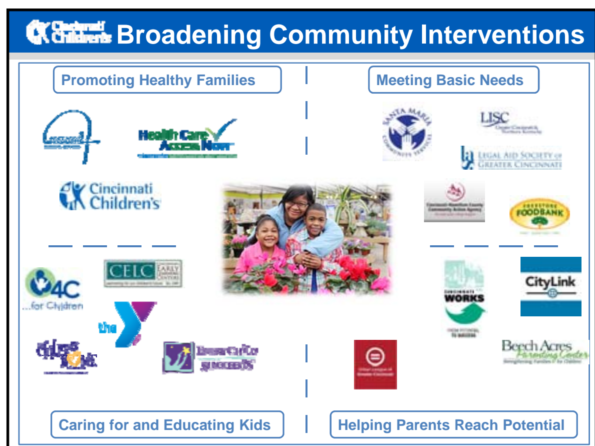
Cincinnati Asthma Admissions and Neighborhood Asthma Hotspots

Asthma admissions 9/1/10-8/31/11

Legal Aid Housing Cases Mapped Against Neighborhood Asthma Hotspots

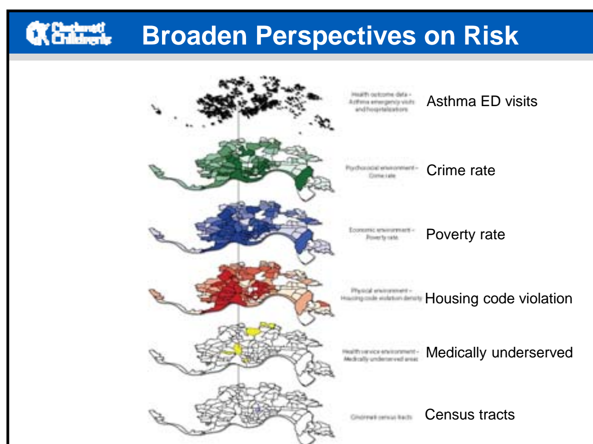
Asthma admissions 9/1/10-8/31/11

Addressing Housing with Legal Help
Rx for healthy housing

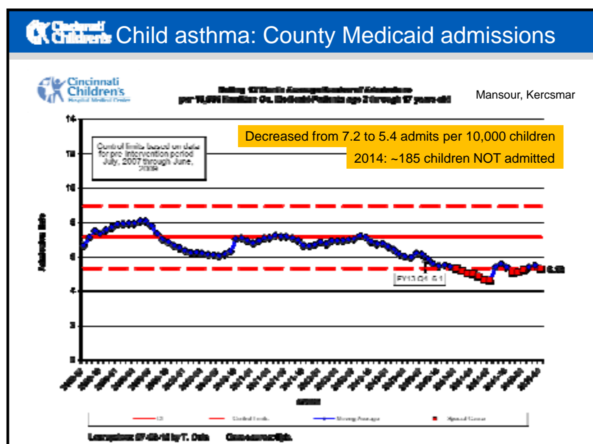

Broadening Community Interventions
Promoting Healthy Families
Meeting Basic Needs
Cincinnati Children's
CELC
4C for Children
CityLink
Caring for and Educating Kids
Helping Parents Reach Potential

Making House Calls to the Community
GABRIELS PLACE 3618

Broaden Perspectives on Risk



Child asthma: County Medicaid admissions



Early Population Health Lessons

- Goal – improve clinical outcomes for EVERY child and also to reduce disparities
- Focus on population denominators
  - Otherwise great silos, lousy outcomes
  - Knowing where patients live, key neighborhoods with largest overlap
- Build effective network of partnerships to address social determinants – using data on shared clients, shared geography
- Develop deeper understanding and empathy
- Take a public health systems approach to health risks
- Hope payment reform incentivizes change