COMMUNITY SPOTLIGHT

CHP PARTICIPANT COMMUNITY

UNIVERSITY HOSPITALS RAINBOW BABIES & CHILDREN'S HOSPITAL

CLEVELAND, OH

"Asthma is the most common chronic illness of childhood and the burden is disproportionate on the poor and on minority populations."

COMMUNITY OVERVIEW

With the support of the Community Health Peer Learning (CHP) Program, University Hospitals Rainbow Babies & Children's Hospital will work to prevent and manage the childhood asthma disease burden in target neighborhoods in Cleveland, Ohio. Fostering partnerships among the health care, public health, housing, social services, environment, and criminal justice sectors, the organization will use data from electronic health records, and public/ private records, and Medicaid claims to integrate existing pediatric longitudinal social, environmental, educational, and clinical data. Through this work, they anticipate the ability to create an accountable care community to collectively improve the health and wellness of these Cleveland neighborhoods.

PROJECT APPROACH

The Integrated Data Evaluating Asthma Risk in ChildHood (IDEA RICH) initiative will:

- Integrate existing robust geocoded pediatric longitudinal social, clinical, and medical claims data from multiple sectors (public health, education, housing and environment, economic, violence, et al.);

- Use Community-Based Participatory Research (CBPR) methods to engage with diverse stakeholders to develop a plan for community-guided data analysis and follow-up.

- Use community-guided data analysis to inform the project using principles of community-based participatory research; and

- Utilize lessons from the integrated data set to identify specific upstream interventions and inform discrete community programs that decrease childhood asthma disease burden.

ANTICIPATED IMPACT

UH Rainbow and its community collaborators will not only address the local asthma epidemic, but more importantly will learn the process for integrating health care data with cross sector data sets to direct interventions in a community engaged and partnered fashion. We will learn lessons that will help us to transform our clinical health care delivery system into an entity that integrates local, regional, and national data resources with the community to advance the community's health.

PROJECT SNAPSHOT

Site Type	Hospital (County, Public, Critical Access)
Project Focus	Asthma
Health Objective	Prevent and manage asthma disease prevention
Sectors	**Lead:** Clinical Health Care **Partners:** Academia / Research **Data contribution:** Clinical Health Care, Education / Schools, Housing / Homelessness, Public Health, Social / Human Services, Justice System **Other stakeholders:** Other Community-based
Data Types	Administrative: insurance claims, schools, courts, etc.; Geographic; Personal Demographic; Service (EHRs, case management); Surveillance
Target Population	Children (under 18)
Impact Level	Community

LEAD AGENCY

- **University Hospitals Rainbow Babies & Children's Hospital** (http://www.uhhospitals.org/rainbow) is a full-service children's hospital and pediatric academic medical center with more than 1,300 pediatric specialists. It has been the primary pediatric affiliate for Case Western Reserve University School of Medicine since 1897.

PARTNERS/COLLABORATORS

- **Case Western Reserve University (CWRU):** CWRU is an independent research university located in Cleveland's University Circle and is home to both the School of Medicine (SOM) and the Mandel School for Applied Social Science (MSASS). Both Schools are national leaders in the areas of research, data analytics, and education to improve the health of the community.

- **Cuyahoga County Board of Health:** With a mission to prevent disease and injury, promote positive health outcomes, and to provide critical services to improve the health status of the community, the Board of Health provides community based programs to residents in 56 municipalities.

- **Cleveland Metropolitan School District (CMSD):** CMSD, the second largest school district in Ohio, has almost 40,000 students in attendance each day. CMSD has begun the journey of integrating social wrap around services from within its schools in order to enable students to maximize their academic capabilities.

- **Environmental Health Watch (EHW):** EHW has helped the public and policy-makers in Cuyahoga County address critical health concerns related to the urban environment. It creates, assesses, demonstrates, and advocates for programs that reduce human exposure to harmful substances, promote health, and sustain the natural environment.

MEET THE PROJECT TEAM!

Larry Kleinman, M.D., M.P.H.
Director, Center for Child Health and Policy
CHP Role: Project Director
Contact: Lawrence.kleinman@case.edu

Ask him about:
- Bringing together stakeholders with data

Claudia Coulton, Ph.D.
Professor of Urban Research & Social Change
CHP Role: Co-Project Director
Contact: Claudia.coulton@case.edu

Ask her about:
- Use of longitudinal data regarding social and environmental factors to understand the relationship between health and poverty

Andrew Hertz, M.D.
Medical Director, Rainbow Care Connection
CHP Role: Pediatric Population Health and Accountable Care Lead
Contact: Andrew.hertz@uhhospitals.org

Ask him about:
- Use of population health data to inform pediatric ACO programs
- Creating and educating a pediatric physician network on pediatric population health principles

Ann Nevar, M.P.A.
Manager, Center for Child Health and Policy
CHP Role: Project Manager
Contact: Ann.nevar@uhhospitals.org

Ask her about:
- Managing research projects in a clinical environment

Kristie Ross, M.D.
Clinical Director, Division of Pulmonology, Allergy, Immunology, and Sleep Medicine
CHP Role: Pediatric Pulmonologist
Contact: Kristie.ross@uhhospitals.org

Ask her about:
- Asthma in children

COMMUNITY HEALTH PEER LEARNING PROGRAM www.academyhealth.org/CHPhealthIT