Better Health Partnership
Children’s Health Report

Virtual Annual Report to the Community-2020
1st in a Series

July 30, 2020
Welcome!

Donald Ford, MD
Chief Medical Officer
Better Health Partnership
Before we begin...

Everyone will be muted.

Submit your questions via the "Chat" window.

We will do Q & A at the end.

Presentations will be posted on our website.
Working together since 2007....
to collectively improve health and reduce health disparities
Vision
Northeast Ohio is one of the healthiest places to live and best places to do business

Mission
We bring health care providers, social services, and other sectors together, to share best practices and accelerate data-informed improvements in equitable population and community health.
Better Health Partnership’s Population Health Improvement Priorities
Better Health Partnership’s Health Improvement Priorities: “Twinkle to Wrinkle”

- **Infant & Maternal Health** (2018 - present)
  - Extreme Prematurity

- **Children’s Health** (2016 - present)
  - Obesity, Asthma

- **Adult Health** (2007 - present)
  - Hypertension
  - Diabetes
  - Colorectal Cancer Screening
  - Mental/Behavioral Lead Exposure

Pathways HUB integrates with all to address SDOH/ improve outcomes
2020-2022 State Health Improvement Plan (SHIP) framework

**Equity**
Health equity is achieved when all people in a community have access to affordable, inclusive, and quality infrastructure and services that, despite historical and contemporary injustices, allow them to reach their full health potential.

**Priorities**
The SHIP identifies three priority factors and three priority health outcomes that affect the overall health and well-being of children, families, and adults of all ages.

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**What shapes our health and well-being?**
Many factors, including these 3 SHIP priority factors:

- **Community conditions**
  - Housing affordability and quality
  - Poverty
  - K-12 student success
  - Adverse childhood experiences

- **Health behaviors**
  - Tobacco/nicotine use
  - Nutrition
  - Physical activity

- **Access to care**
  - Health insurance coverage
  - Local access to healthcare providers
  - Unmet need for mental health care

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**How will we know if health is improving in Ohio?**
The SHIP is designed to track and improve these 3 SHIP priority health outcomes:

- **Mental health and addiction**
  - Depression
  - Suicide
  - Youth drug use
  - Drug overdose deaths

- **Chronic disease**
  - Heart disease
  - Diabetes
  - Childhood conditions (asthma, lead)

- **Maternal and infant health**
  - Preterm births
  - Infant mortality
  - Maternal morbidity

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**All Ohioans achieve their full health potential**
- Improved health status
- Reduced premature death

**Vision**
Ohio is a model of health, well-being, and economic vitality

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**Strategies**
The SHIP provides state and local partners with a menu of effective policies and programs to improve Ohio’s performance on these priorities.

*These factors are sometimes referred to as the social determinants of health or the social drivers of health.*
Collective Impact Strategies to Improve Children’s Health and Well-Being

Steven Spalding, MD
Vice President, Population Health
Akron Children’s Hospital
Co-Chair, BHP Children’s Health Leadership Team
The Need for Collaboration

31%

Health Behaviors

65%

Socioeconomic

Environment

Health Care

Better Health Partnership
Key Drivers of Strategic Health Improvement Priorities

- $1 billion in child health and wellness
- Governor's Children's Initiative
- Home visiting
- Postpartum care
- Treatment program for drug-addicted mothers and babies
- Behavioral health services in schools
- Telehealth
- Pediatric-focused comprehensive primary care
- Student Wellness and Success Fund

<table>
<thead>
<tr>
<th>Community conditions</th>
<th>Mental health and addiction</th>
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<tbody>
<tr>
<td>Housing affordability and quality</td>
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<tr>
<td>Poverty</td>
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<td>K-12 student success</td>
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<tr>
<td>Adverse childhood experiences</td>
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<table>
<thead>
<tr>
<th>Health behaviors</th>
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<tr>
<td>Tobacco/nicotine use</td>
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<tr>
<td>Nutrition</td>
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<tr>
<td>Physical Activity</td>
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<th>Access to care</th>
<th>Chronic disease</th>
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<td>Health insurance coverage</td>
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<tr>
<td>Local access to healthcare providers</td>
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<tr>
<td>Unmet need for mental health care</td>
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<table>
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<tr>
<td>Maternal morbidity</td>
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</table>
BHP Children’s Health Priorities

Mental Health
BHP 2020 Priority

BHP 2016 Priority
Asthma
Obesity

Mental health and addiction
- Depression
- Suicide
- Youth drug use
- Drug overdose deaths

Chronic disease
- Heart disease
- Diabetes
- Childhood conditions (asthma, lead)

Maternal and infant health
- Preterm births
- Infant mortality
- Maternal morbidity

Community conditions
- Housing affordability and quality
- Poverty
- K-12 student success
- Adverse childhood experiences

Health behaviors
- Tobacco/nicotine use
- Nutrition
- Physical Activity

Access to care
- Health insurance coverage
- Local access to healthcare providers
- Unmet need for mental health care

Mental Health & Asthma:
78% higher Emergency Room use

Homelessness & Asthma:
310% increase in hospital admission rate

Better Health Partnership
What Does Success Look Like

- Screening
- Referrals
- Outcomes
- Advocacy

Healthy Kids. Healthy Adults. Healthy Ohio.
The Better Health Partnership Collaborative

Over 260,000 Children (2-17) Reporting systems
- Akron Children’s Hospital
- Care Alliance
- Circle Health
- MetroHealth
- Neighborhood Family Practice
- Sender’s Pediatrics
- UH Rainbow Babies & Children’s Hospital
Health Equity

• Disparities **between** communities

• Disparities **within** communities
### Asthma Diagnosis Rates: Disparities *Between* Communities

<table>
<thead>
<tr>
<th>Top Communities</th>
<th>Akron Census Tract</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harrison County</td>
<td>29.2%</td>
</tr>
<tr>
<td>Sherbondy Hill</td>
<td>28.3%</td>
</tr>
<tr>
<td>Southern Tuscarawas County</td>
<td>28.2%</td>
</tr>
<tr>
<td>South Akron</td>
<td>28.0%</td>
</tr>
<tr>
<td>East Akron</td>
<td>28.0%</td>
</tr>
<tr>
<td>Dover</td>
<td>27.5%</td>
</tr>
<tr>
<td>Canton-Akron Airport</td>
<td>27.4%</td>
</tr>
<tr>
<td>West Akron</td>
<td>27.3%</td>
</tr>
<tr>
<td>Lee-Seville</td>
<td>27.2%</td>
</tr>
<tr>
<td>Stockyards</td>
<td>26.7%</td>
</tr>
<tr>
<td>New Philadelphia</td>
<td>26.4%</td>
</tr>
<tr>
<td>Northeast Trumbull County</td>
<td>26.2%</td>
</tr>
<tr>
<td>Downtown - Cascade Valley</td>
<td>26.2%</td>
</tr>
<tr>
<td>Summit Lake</td>
<td>26.1%</td>
</tr>
<tr>
<td>Goodyear Heights</td>
<td>25.7%</td>
</tr>
<tr>
<td>Wooster</td>
<td>25.2%</td>
</tr>
<tr>
<td>University - Little Italy</td>
<td>25.2%</td>
</tr>
<tr>
<td>South Youngstown</td>
<td>25.2%</td>
</tr>
<tr>
<td>Middlebury</td>
<td>25.2%</td>
</tr>
<tr>
<td>Northern Tuscarawas County</td>
<td>25.0%</td>
</tr>
</tbody>
</table>
Asthma Diagnosis Racial Disparities, *Within* Neighborhoods

<table>
<thead>
<tr>
<th>Cuyahoga County Suburbs</th>
<th>% Asthmatic-White</th>
<th>% Asthmatic-Black</th>
<th>Relative Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Cleveland Suburb</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beachwood</td>
<td>7%</td>
<td>29%</td>
<td>3.9</td>
</tr>
<tr>
<td>University Heights</td>
<td>8%</td>
<td>24%</td>
<td>3.1</td>
</tr>
<tr>
<td>South Euclid - Lyndhurst</td>
<td>10%</td>
<td>24%</td>
<td>2.3</td>
</tr>
<tr>
<td>Cleveland Heights</td>
<td>11%</td>
<td>23%</td>
<td>2.1</td>
</tr>
<tr>
<td>West Cleveland Suburb</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berea</td>
<td>10%</td>
<td>32%</td>
<td>3.1</td>
</tr>
<tr>
<td>Fairview Park</td>
<td>11%</td>
<td>29%</td>
<td>2.6</td>
</tr>
<tr>
<td>Brook Park</td>
<td>13%</td>
<td>28%</td>
<td>2.1</td>
</tr>
<tr>
<td>Lakewood</td>
<td>11%</td>
<td>22%</td>
<td>1.9</td>
</tr>
<tr>
<td>Northern Summit County Suburb</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bath - Copley</td>
<td>20%</td>
<td>30%</td>
<td>1.5</td>
</tr>
<tr>
<td>Cuyahoga Falls - Silver Lake</td>
<td>22%</td>
<td>32%</td>
<td>1.5</td>
</tr>
<tr>
<td>Stow - Munroe Falls</td>
<td>21%</td>
<td>31%</td>
<td>1.4</td>
</tr>
<tr>
<td>Twinsburg</td>
<td>19%</td>
<td>27%</td>
<td>1.4</td>
</tr>
<tr>
<td>Green</td>
<td>22%</td>
<td>35%</td>
<td>1.6</td>
</tr>
<tr>
<td>Lakemore - Springfield</td>
<td>28%</td>
<td>38%</td>
<td>1.4</td>
</tr>
<tr>
<td>Barberton - Norton</td>
<td>25%</td>
<td>34%</td>
<td>1.4</td>
</tr>
</tbody>
</table>
% Tobacco Exposure by Selected Communities

Tobacco Exposure
- Not Assessed
- Low (Never/Quit)
- High (Passive/Current)

Better Health Partnership
Asthma Exacerbations

% of Asthmatics with Exacerbation by Age/Race, Cuyahoga County
Asthma Exacerbations

% with Exacerbation, East Cleveland

% with Exacerbation, Top Communities

<table>
<thead>
<tr>
<th>Community</th>
<th>Exacerbation Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Cleveland Suburb</td>
<td>11.8%</td>
</tr>
<tr>
<td>East Side Cleveland</td>
<td></td>
</tr>
<tr>
<td>St. Clair - Superior</td>
<td>12.4%</td>
</tr>
<tr>
<td>Glenville</td>
<td>12.3%</td>
</tr>
<tr>
<td>Hough</td>
<td>9.9%</td>
</tr>
<tr>
<td>Central</td>
<td>9.9%</td>
</tr>
<tr>
<td>West Side Cleveland</td>
<td></td>
</tr>
<tr>
<td>Edgewater</td>
<td>10.2%</td>
</tr>
</tbody>
</table>
Cuyahoga County
Latinx, English-Speaking vs. ESL

% Asthmatic

<table>
<thead>
<tr>
<th>% with Asthma</th>
<th>Latinx, English-Speaking</th>
<th>Latinx, ESL</th>
</tr>
</thead>
<tbody>
<tr>
<td>23%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28%</td>
<td></td>
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</tbody>
</table>

% with Exacerbations

<table>
<thead>
<tr>
<th>% with Exacerbation</th>
<th>Latinx, English-Speaking</th>
<th>Latinx, ESL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.8%</td>
<td></td>
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Asthma Interventions - Akron

Managing Asthma Triggers at Home (MATH) Project

Project partnering Akron Children’s Hospital and Summit County Public Health

Identify high-risk asthma patients in high-risk neighborhoods
  Home assessment
  Evidence-based interventions
Clinic-to-Community Linkages (CCL)

% of Children with Asthma and Overweight/Obesity Receiving a United Way 2-1-1 Referral, by Category

- **29%**

Of children ≤10 yr. reported poor housing conditions (water damage, mold/mildew, sewage, standing water, cockroach)
Goal: Improve developmental trajectories of children in Cuyahoga County by:

• connecting more children to lead testing
• connecting more children with Elevated Lead Levels to developmental services

Partners

University Hospitals
Rainbow Babies & Children’s

MetroHealth

Neighborhood Family Practice
COMMUNITY HEALTH CENTERS

Better Health Partnership

Invest in Children
Cuyahoga County
Looking Ahead

• Integrate cross-sector asthma metrics and interventions in targeted areas

• Build capacity for assisting families with obtaining lead testing and connections to interventions and resources

• Launch mental/behavioral health improvement pilot
Questions?
Please submit through chat function
Register for future webinars

• August 12       Adult Health Report

• August 26       The Better Health Pathways HUB

• September 3     Prioritized Findings from First Year Cleveland’s Action Team #4
                  Extreme Premature Births

• September 23    Prioritized Findings from First Year Cleveland’s Action Team #1
                  Patient Experiences; Racial Disparities

• Need more information? Please send your requests to Carol Kaschube
  ckaschube@metrohealth.org
Thank You!

www.betterhealthpartnership.org