Building Healthy Communities Conference

At the Intersection of Community Development & Health: Innovative Approaches

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October 23, 2014
Goal

- To highlight strategies, initiatives, and programs where there is collaboration between community and health organizations geared toward improving community health
### Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adequate funding</td>
<td></td>
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<tr>
<td>Shared vision, goals</td>
<td></td>
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<tr>
<td>Skilled leadership</td>
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<tr>
<td>Mutual respect</td>
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<td>Established relationships, communication</td>
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<tr>
<td>Innovation</td>
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<tr>
<td>Collaboration history</td>
<td></td>
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<tr>
<td>Existing models, best practices</td>
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</tbody>
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**Figure 13** A 2013 survey found that while collaboration between the health, finance and community development sectors is occurring, barriers to collaboration remain and can be reduced.

<table>
<thead>
<tr>
<th>Barrier</th>
<th>Not a barrier</th>
<th>A small barrier</th>
<th>A huge barrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inadequate Funding and Resources</td>
<td>5%</td>
<td>30%</td>
<td>66%</td>
</tr>
<tr>
<td>Lack of Shared Vision and Common Goal</td>
<td>11%</td>
<td>34%</td>
<td>55%</td>
</tr>
<tr>
<td>Lack of Skilled Leadership</td>
<td>16%</td>
<td>29%</td>
<td>55%</td>
</tr>
<tr>
<td>Lack of Mutual Understanding and Respect Among Partner Organizations</td>
<td>21%</td>
<td>26%</td>
<td>53%</td>
</tr>
<tr>
<td>Lack of Well-established Relationships and Communication links with Potential Partner Organizations</td>
<td>14%</td>
<td>46%</td>
<td>40%</td>
</tr>
<tr>
<td>Inability to be Innovative</td>
<td>24%</td>
<td>42%</td>
<td>34%</td>
</tr>
<tr>
<td>No History of Collaboration in the Community</td>
<td>19%</td>
<td>49%</td>
<td>32%</td>
</tr>
<tr>
<td>Lack of Existing Models or Best Practices to Follow</td>
<td>25%</td>
<td>56%</td>
<td>19%</td>
</tr>
<tr>
<td>Another Factors</td>
<td>34%</td>
<td>11%</td>
<td>56%</td>
</tr>
</tbody>
</table>

Changing the Outcome, Closing the Gap

Population health work

- Asthma and housing
  - Community agency - health care collaborations
  - Beyond collaborations to networked production
- Moving beyond health care
  - hospital level
  - clinic level
Purpose
Lead, advocate and collaborate to measurably improve the health of local children and reduce disparities in targeted populations

High Level Measures
By June 30 2015,
• Reduce the use of the ED and inpatient services by 20% in children with asthma covered by Medicaid
Asthma admissions to Cincinnati Children's Hospital, children ages 1-16, Hamilton County (2010-2012)

County sub-areas
Admission rate per 1,000
- 0.0-1.9
- 1.9-6.0
- 6.0-9.2
- 9.2-26.7

Source: Cincinnati Children’s Hospital Medical Center, U.S. Census Bureau
A. Beck & J. Besl (2013)
CCHMC has 90+% of all asthma admissions in county.

Quintile 1:
- 18 admits among 29,000 kids
- 0.6 per 1000

Quintile 5:
- 299 admits among 17,900 kids
- 16.7 per 1000
Who are the critical partners?

- Pharmacies
- Cincinnati Public Schools
- Cincinnati Health Department
- Community Development Corp
- Community health workers
- Legal Aid Society
Cincinnati Asthma Admissions and Neighborhood Asthma Hotspots

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

- Asthma admissions
- City of Cincinnati

Admission rate per 1000
- 0.00 - 0.78
- 0.79 - 3.40
- 3.41 - 5.76
- 5.77 - 10.99
- 11.00 - 27.24
- Census tract
Legal Aid Housing Cases Mapped Against Neighborhood Asthma Hotspots

Asthma admissions 9/1/10-8/31/11
- Legal Aid housing cases
- City of Cincinnati

Admission rate per 1000:
- 0.00 - 0.78
- 0.79 - 3.40
- 3.41 - 5.76
- 5.77 - 10.99
- 11.00 - 27.24
- Census tract

Maps showing areas with high asthma admissions and corresponding Legal Aid housing cases.
Attacking social determinants directly
181 total utilizations – 130 ED visits, 51 admissions

Days Since Previous Utilization vs. Date of Utilization

- Days Since Previous Utilization
- Average Days Between Utilizations
- Control Limits

Beck (2014)
“Heat map” of building code violations
Avondale

CHOICE Buildings to be refurbished by The Community Builders
Figure. Collaborations between agencies serving children with complex chronic conditions. Acad Ped 2012
Purpose

Lead, advocate and collaborate to measurably improve the health of local children and reduce disparities in targeted populations

By June 30 2015,

• Reduce the use of the ED and inpatient services by 20% in children with **asthma** covered by Medicaid
• Reduce **infant mortality** by 15%, 20 infant deaths per year
• Reduce the occurrence of **unintentional pediatric injuries** 30%
• Reverse the trend of increasing childhood **obesity** in grades K-3
• **Early mental health promotion and intervention**
• **School readiness and Grade 3 reading**
Preterm birth in Hamilton County

Preterm birth rate (per 100), 3 year average (2010-2012)
What a Prepared Clinic Will Detect

Maslow’s Hierarchy of Needs

- Hunger;
- Homelessness;
- Denial or delay of benefits;
- Utility shut offs;
- Domestic violence;
- Mental health issues;
- Inadequate education services;
- Overwhelmed new parents;
- Lack of parenting role models;
- Unemployment;
- Lack of high school degree;
- Higher level job training;
- Lack of high school degree;
- Higher level job training;
- Overwhelmed new parents;
- Lack of parenting role models;
- Domestic violence;
- Mental health issues;
- Inadequate education services;
- Hunger;
- Homelessness;
- Denial or delay of benefits;
- Utility shut offs.

Potential Collaborations

Achieving potential

Esteem & Respect

Belonging

Safety

Basic Human Needs

Published in: Henize, Kahn (2013)
Lessons

• Shared vision – change outcomes, close the gap - and intentionality (thank you, Ozie)
• Population denominator approach
  – Otherwise great silos, lousy outcomes
  – Measurement and analytic capacity
• Building network of partnerships
  – Span missions, but also daily operations, data
• Building innovation and improvement capacity
  – community capacity for design thinking, QI, measurement
• Funding – hospital, foundation, … ACO?
Injury rate per 1000 children aged 1-4 years, 3 year average (2010-2012)