Phase 4

Identify Strategic Issues

During this phase of the MAPP process, participants develop an ordered list of the most important issues facing the community. Strategic issues are identified by exploring the convergence of the results of the four MAPP Assessments and determining how those issues affect the achievement of the shared vision.

Community leaders, partners, and residents were invited to participate in a public forum on April 18, 2018. The forum was held at the Boone County Administration Building. Participants were asked to sign-in and received a packet articulating the top five health issues apparent in each MAPP assessment. (Appendix A). Participants also received a brief presentation (Appendix B) updating them on the progress of the MAPP process and describing the five health issues previously mentioned. The end goal of the forum was to reduce the number of priorities to three.

Following the presentation, participants broke into 5 small groups each with a subject matter expert facilitating on one of the given topics. The facilitator used data and informal conversation to explain the need of each priority in the community. Each facilitator had 10 minutes with each group to advocate for the proposed priority after which the facilitator moved to a different table/area, allowing each group the opportunity to listen and discuss the material presented. Participants were then asked to individually fill out a worksheet (Appendix C) to ultimately determine which proposed health priority was most important.

The ‘Full Analytical Criteria Method’, a Lean Six-Sigma prioritization matrix was used. The results of the matrix are found in Table 1 below. Mental and Behavioral Health were ranked first at 73.3%, followed by Maternal Child Health at 67.0%, and Chronic Disease which was ranked third at 66.7%. Standard deviation was used to gauge how closely the topics scored. The lower the number in the standard deviation column, the more confident users can be in the percentage result.

<table>
<thead>
<tr>
<th>Priority</th>
<th>Rank</th>
<th>Percent</th>
<th>Standard Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental/Behavioral Health</td>
<td>1</td>
<td>73.3%</td>
<td>3.8</td>
</tr>
<tr>
<td>Maternal Child Health</td>
<td>2</td>
<td>67.0%</td>
<td>5.6</td>
</tr>
<tr>
<td>Chronic Disease</td>
<td>3</td>
<td>66.7%</td>
<td>8.4</td>
</tr>
<tr>
<td>Violence/Trauma</td>
<td>4</td>
<td>64.6%</td>
<td>3.4</td>
</tr>
<tr>
<td>Environmental Quality</td>
<td>5</td>
<td>51.0%</td>
<td>2.4</td>
</tr>
</tbody>
</table>

Table 1
# Maternal Child Health

## Health Prioritization 2018

Maternal health refers to the health of women during pregnancy, childbirth, and the postpartum period. While motherhood is often a positive and fulfilling experience, for too many women it is associated with suffering, ill-health, and even death.

## Boone County Health Department

### Indicators of Child Well-Being

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Illinois</th>
<th>Boone County</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOW-BIRTHWEIGHT BABIES (2014)</td>
<td>8.2%</td>
<td>7.8%</td>
</tr>
<tr>
<td>Are babies born weighing less than 5.5 pounds?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHILDREN WITHOUT HEALTH INSURANCE (2015)</td>
<td>2.9%</td>
<td>3.8%</td>
</tr>
<tr>
<td>Are children lacking health coverage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INFANT, CHILD, AND TEN DEATHS (2015)</td>
<td>.505 per 1,000</td>
<td>.146 per 1,000</td>
</tr>
<tr>
<td>How many children died in one year?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RATIO OF POPULATION TO PRIMARY CARE PHYSICIANS (2014)</td>
<td>1,204:1</td>
<td>1,924:1</td>
</tr>
<tr>
<td>Do people have access to health care?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Economic Security

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Illinois</th>
<th>Boone County</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHILDREN IN POVERTY (2015)</td>
<td>19%</td>
<td>15%</td>
</tr>
<tr>
<td>Are children living in poverty?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOOD INSECURITY RATE (2015)</td>
<td>11.7%</td>
<td>7.2%</td>
</tr>
<tr>
<td>Are households struggling with food insecurity?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNEMPLOYMENT RATE (2014)</td>
<td>5.9%</td>
<td>6.3%</td>
</tr>
<tr>
<td>Are adults struggling to find work?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOUSEHOLDS WITH A HIGH HOUSING COST BURDEN (2011-2015)</td>
<td>35%</td>
<td>31%</td>
</tr>
<tr>
<td>Are households struggling to afford housing?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2017 Kids Count Profile

8.1% of families and people in Boone County had income in the past 12 months below the poverty level.

24.9% of those were families with a female head of household and no husband present.

61.8% of those had children under 5 years.

Environmental Quality

Boone County

Annual Rainfall

38.78 inches
Average Rainfall Per Year

Annual Snowfall

37.66 inches
Average Snowfall Per Year

Storm Events

21 Storms
Total Storms Events Between 2014 - 2016

100-Year Flood Plain

7.8%
Acres Within the 100-Year Flood Plain

Watersheds

Upper Rock River

Kishwaukee River

Biologically Significant Streams

Beaver Creek
Diversity A, 2+ Highest Class

Threatened & Endangered Species

10 Threatened Species
5 Endangered Species
CHRONIC DISEASE
BOONE COUNTY

LIFE EXPECTANCY AT BIRTH
78.8 YEARS

ACCESS TO FOOD
7.2% OF PEOPLE IN BOONE COUNTY ARE FOOD INSECURE.
12% OF HOUSEHOLDS RECEIVE SOME KIND OF SNAP BENEFITS.

DIABETES
9% OF ADULTS HAVE DIABETES

CHRONIC DISEASE
7 out of 10 LEADING CAUSES OF DEATH ARE CHRONIC DISEASE

HEALTH RANKING
BOONE COUNTY IS RANKED #14 OUT OF 102 COUNTIES IN ILLINOIS.

DIAGNOSED DISEASES
TOP FOUR SELF-REPORTED DIAGNOSED DISEASES IN THE COUNTY
- HIGH BLOOD PRESSURE
- DIABETES
- CHOLESTEROL
- ASTHMA

HEALTH BEHAVIORS
34% OF ADULTS ARE OBESE
15% OF ADULTS ARE CURRENT SMOKERS

CAUSES OF DEATH
52% OF ALL DEATHS OVER THE PAST 7 YEARS WERE RELATED TO
- HEART DISEASE
- CANCER
Mental/Behavioral Health

Health Prioritization 2018

Mental health includes our emotional, psychological, and social well-being. It affects how we think, feel, and act. It also helps determine how we handle stress, relate to others, and make choices. Behavioral health describes the connection between behaviors and the health and well-being of the body, mind and spirit.

Boone County Health Department

Mortality Trends by Type of Opioid Involved

Top Causes of Stress
1. Financial - 29%
2. Family Members - 18%
3. Current Job - 17%

Indicators of Well-Being

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Illinois</th>
<th>Boone County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor Mental Health Days</td>
<td>3.8%</td>
<td>3.9%</td>
</tr>
<tr>
<td>Average number of mentally unhealthy days reported in past 30 days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adult Smoking</td>
<td>15%</td>
<td>16%</td>
</tr>
<tr>
<td>Percentage of adults who are current smokers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohol Impaired Driving Deaths</td>
<td>33%</td>
<td>21%</td>
</tr>
<tr>
<td>Percentage of linking deaths with alcohol involvement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excessive Drinking</td>
<td>21%</td>
<td>21%</td>
</tr>
<tr>
<td>Consuming more than 5 alcoholic drinks in a single occasion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mental Health Providers</td>
<td>530:1</td>
<td>5,940:1</td>
</tr>
<tr>
<td>Ratio of population to mental health providers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix 4-B Slide presentation for Prioritization Forum

Mobilizing Action through Planning and Partnerships (MAPP) Strategic Prioritization Process
Wednesday April 18th, 2018

Hosted by
The Boone County Health Department and the Boone County Comprehensive Plan Team

Agenda
- Welcome and Introductions
- Background and overview of the Health Department’s MAPP process and the County Comprehensive Planning Process
- Introduction of Emerging Themes from the data collection and assessment process
- Data Presentations (Table Activity)
- Strategic Prioritization Worksheet/Activity
- Closing Remarks/Next Steps

Introduction
The collaboration

Our most important Teammates: YOU!

Acronym Overload
- CP: Boone County Comprehensive Plan
- BCHD: Boone County Health Department
- IPAN: Illinois Project for the Local Assessment of Needs
- MAPP: Mobilizing for Action through Planning and Partnerships.
  - MAPP is the PROCESS that BCHD is using to complete its IPLAN.

BCHD’s MAPP and the Boone County CP Matchup
- The purpose of IPLAN:
  - Help communities prioritize public health issues,
  - Identify resources
  - MAPP allowed us to collect data
- The purpose of the Comprehensive Plan:
  - To develop a roadmap for the future of Boone County,
  - Driven by the community’s needs, vision, and values,
  - Building these two plans simultaneously informed each other, shared resources and saved LOTS of money.
We looked for a model.....

- Of County CP merged with IPLANS in Illinois and in the field with little success.

- Boone County is now creating a pilot of a new model that may help inform other counties to have a more collaborative relationship between their health and planning departments.

Timeline of Processes 2017

<table>
<thead>
<tr>
<th>Process</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter-meeting between BOC and CIHC and MAPP July 100</td>
<td>July</td>
</tr>
<tr>
<td>MAPP Steering Committee meeting June 10</td>
<td>June</td>
</tr>
<tr>
<td>MAPP substantive development begins</td>
<td>July</td>
</tr>
<tr>
<td>MAPP questionnaire development begins</td>
<td>August 10</td>
</tr>
<tr>
<td>MAPP questionnaire comment and input Dec 3</td>
<td>December</td>
</tr>
<tr>
<td>MAPP questionnaire completion and final Dec 6</td>
<td>December</td>
</tr>
</tbody>
</table>

Time Line of Processes 2018

<table>
<thead>
<tr>
<th>Process</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>County Health Department (CHD)</td>
<td>January</td>
</tr>
<tr>
<td>Format of Change</td>
<td>March</td>
</tr>
<tr>
<td>Define themes and policy</td>
<td>April</td>
</tr>
<tr>
<td>Begin action plan</td>
<td>May</td>
</tr>
</tbody>
</table>

MAPP Process

- Community Themes & Strengths Assessment
- Partnering for Success & Development
- Farmers, Farmers, Farmers
- Formulate & Strategy
- Resulting & Implementing
- Plan/Implementation
- Evaluating
- Finalizing
- Developing
- Assessing

Top Emerging Themes from MAPP

- Maternal Child Health
- Environmental Quality
- Violence and Trauma
- Chronic Disease
- Mental/Behavioral Health
- Local Public Health System
- Communication
- Access to Care
- Health Equity

Some of these are health issues and some of these are how we look at health issues.
Put another way

- Local Public Health System: Remember the jelly bean slide.
- Access to Care: Do we have all the resources we need to take care of the people in our community?
- Health Equity: Does everyone have the same opportunity "attain his or her full health potential."

Put yet another way

5 Health Priorities to examine

- Maternal Child Health
- Environmental Quality
- Violence and Trauma
- Chronic Disease
- Mental/Behavioral Health

Why are we here?

- Discuss those 5 health priorities
- You will narrow them to 3
- They will then become the 3 health priorities of the IPLAN and our Community Health Improvement Plan.