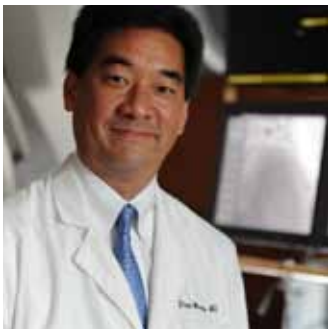
MERCYHEALTH
Fairfield Hospital

CATHOLIC HEALTH PARTNERS

# 2013 Community Health Needs Assessment

Catholic Health Partners' (CHP) long-standing commitment to the community covers more than 150 years. This commitment has expanded and evolved through considerable thought and care in considering our communities' most pressing health needs. One avenue for examining these needs is through a periodic, comprehensive Community Health Needs Assessment (CHNA) for each CHP hospital. The most recent assessments were completed by teams comprised of CHP and community leaders. They include quantitative and qualitative data that guide both our community benefit and strategic planning.

**Through our CHNA, CHP has identified the greatest needs among each of our hospital's communities. This enables CHP to ensure our resources are directed appropriately toward outreach, prevention, education and wellness opportunities where the greatest impact can be realized.**

For more than 30 years, Mercy Health – Fairfield Hospital has provided award-winning, compassionate clinical care to the residents of Butler County and northern Cincinnati that focuses on an unmatched patient experience. Offering more top-of-the-line services than any other hospital in Butler County, Fairfield Hospital provides personalized care for the full spectrum of healthcare needs. Some of our advanced services include nationally-ranked comprehensive heart care from EKG's to open heart surgery, robotic-assisted and minimally invasive surgery, nationally-accredited maternity care and high-risk fetal medicine, nationally-accredited acute inpatient rehabilitation, an award-winning emergency department and a Bariatric Surgery Center of Excellence®, among others. Fairfield Hospital was named one of the nation's 100 Top Hospitals® by Truven Health Analytics this year. Also located on the hospital's campus are doctors' offices and the Fairfield HealthPlex, a full-service health and fitness facility. Founded by the Sisters of Mercy, Fairfield is now part of Catholic Health Partners (CHP).

CHP has responded to community health needs as part of a five-year strategic plan that concludes in 2013. Planning also has begun on a five-year plan that will guide CHP through 2018. Recently, CHP has built new hospitals in Cincinnati, Springfield and Willard, all in Ohio, and renovated and expanded facilities in Toledo, Youngstown, Lima and other communities served by CHP. CHP is investing more than $300 million in an electronic health system as we build integrated networks of care designed to improve the health of communities. We operate health and fitness centers, hospice facilities, outpatient clinics and senior living facilities. CHP contributes more than $1 million per day in community benefit services as we carry out our long-standing mission of extending care to the poor and under-served.

Mercy Health – Fairfield Hospital strives to meet the health needs of its community. Please read the document's introduction below to better understand the health needs that have been identified.

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# Introduction

## *Community Served by Hospital*

Mercy Health – Fairfield Hospital identified its "community served" as the residents of ZIP code 45014 and contiguous ZIP code areas, which include portions of Butler and Hamilton Counties. This is because the vast majority of patients — the users of the hospital's services — reside in these areas.

*Geographic Identifiers: Contiguous ZIP codes representing the hospital's primary service area:*

- Butler County ZIP Codes: 45011, 45013, 45014, 45015, 45053, 45056, 45064, 45067, and 45069
- Hamilton County ZIP Codes: 45218, 45240, and 45246

There are several satellite locations, listed below. The Mason (45040) and West Chester (45044) locations are not within the hospital's primary service area.

Mercy Medical Imaging / Magnetic Resonance Imaging Services
7450 Mason-Montgomery Road
Mason, Ohio 45040

Mercy Physical Therapy
7450 Mason-Montgomery Road
Mason, Ohio 45040

Mercy Liberty Falls / Bone Density, Diagnostic Radiology, and Mammography Services
6770 Cincinnati-Dayton Road, Suite 107
West Chester, Ohio 45044

Mercy Medical Imaging Tri-County / Magnetic Resonance Imaging Services
12037 Sheraton Lane
Cincinnati, Ohio 45246

## *Information and Data Considered in Identifying Potential Need*

*Information and Data Sources: Federal, State or Local Health or Other Departments or Agencies*

The Mercy Health – Fairfield Hospital participated in a regional Community Health Needs Assessment process coordinated by the Greater Cincinnati Health Council. It contracted with a local nonprofit organization, Health Care Access Now (HCAN), to prepare ***A Community Health Needs Assessment for Southwest Ohio and Southeast Indiana***. HCAN is dedicated to helping establish a high performing, integrated, health care delivery network able to provide access to care for all residents of nine (9) counties of Greater Cincinnati, including Hamilton, Butler, Clermont, Adams, Brown, and Warren in Southwest Ohio. As part of its preparation HCAN performed the following activities:

### 1. Primary Data Collection Sources:

- ***Stakeholder Interviews:*** The stakeholders selected in each county consisted of one person in the following categories: county health commissioner, county mental health board, United Way, Community Action Agency, community foundation, and colleges/universities. Stakeholders chosen to represent each of the categories were determined through a combination of personal references and online search. A few stakeholders had some overlap in that they represented multiple counties included in the study. Refer to the Community Input section of this report for individuals who participated and the date of the interview.
- ***Direct Service Provider Focus Groups using Group Level Assessment (GLA) method:*** Invitations were distributed to target direct service providers/advocacy groups from the county in the following categories: non-English speaking, Federally Qualified Health Center (FQHC)/ free clinics, Visiting Nurses Associations, ex-offenders, seniors, transportation, Chambers of Commerce, schools system, inter-faith, legal aid, area planning, county extension, behavioral health, developmental disabilities, dental care, and primary care. The total number of service providers participating at the county GLA events ranged from as few as nine people to as many as 30 people. Overall, approximately 200 service providers across the nine counties participated. Refer to the Community Input section of this report for individuals who participated and the date of the focus group participation.
- ***End-User Surveys:*** The University of Cincinnati Action Research Center surveyed populations in the greater Cincinnati region who are more often underserved with a particular focus on health care consumers who are uninsured, underinsured, low socioeconomic status, minority, 65+, or who experience mental health issues.

Surveys were administered to more than 1,000 community residents across the nine counties with oversampling of vulnerable groups such as persons over 18 years of age who have a behavioral health disorder; seniors; Hispanic/Latinos; and African immigrants, particularly West African immigrants.

### 2. Secondary Data Collection Sources:

A Data Committee led by HCAN's partner, Health Landscape, collected the data from local, state and national sources, for the years of 2005-2011, via online search in order to compile the Community Health Needs Assessment database.

- Local: Hamilton County Public Health and Jobs/Family Services, Greater Cincinnati Community Health Status Survey, Greater Cincinnati Health Council
- State: Ohio Dept. of Health, Ohio Family Health Survey
- National: 2010 Census, Annie E. Casey Foundation, Centers for Disease Control, Homeless Management Information Systems, Small Area Income and Poverty Estimates, Food Environment Atlas

# Process and Methods

## *Process for Gathering and Analyzing Data/Information*

*(IRS Notice 2011-52 Section 3.03 (2))*

### 1. Primary Data Collection and Analysis Process:

- ***Stakeholder Interviews:*** Letters were mailed to 50 stakeholder interview candidates inviting them to participate in a 45-60 minute face-to-face interview. Thirty-two interviews were conducted in-person by the Community Health Needs Assessment Project Manager, Stephanie Marshall. Three out of six requests to complete an available online Survey Monkey version were fulfilled. Three individuals declined, and eight individuals were unable to be scheduled due to lack of response. The interview questions were drafted with input from the Community Health Needs Assessment Leadership Team and the University of Cincinnati Action Research Center. They were subsequently narrowed down to a total of 17 questions in five different categories. The interviews were tape recorded with consent and the interviewer took high level notes for each question during the interview process. The invitations, question design, and interviews occurred from July – December 2011.

- ***Direct Service Provider Focus Group Level Assessments:*** The University of Cincinnati Action Research Center team conducted one Group Level Assessment (GLA) in each of the nine counties. Group Level Assessment is a participatory large group approach in which qualitative data is generated about an issue of importance through an interactive and collaborative process (Vaughn et al., 1998). The GLA allows for the identification of needs and priorities within a large group setting where the participants have the knowledge and expertise to inform the research. Approximately 30 pieces of flip chart paper hung on the walls. Each flip chart contained one or more prompts/questions. Sample prompts included:
  - "The most pressing health care need in our county is…"
  - "If you could change one thing about the health care system in our county…."
  - "Health care would be more accessible in our county if…"

As a large group, service providers were instructed to provide responses to each prompt in any order they preferred. After recording their responses, participants were instructed to walk around the room and look at other written responses. Participants then divided into smaller groups and were each given 5-7 flip chart pages. Small groups were instructed to discuss the responses on the charts and to identify 3-5 common themes across the charts. After each small group identified salient themes from their flip charts, the larger group reconvened and each small group reported their findings in a "round-robin" fashion with each group presenting one theme at a time. The primary facilitator recorded the major themes on a flip chart for the larger group to see. Then, participants as a large group discussed overall themes, distilled themes through consensus, and chose the most important priorities regarding health and healthcare in their county. If time permitted, the larger group discussed possible next steps for their county. Meetings lasted approximately 90 minutes to two hours. GLA planning, designing and hosting occurred between September – November 2011.

- ***End-User Surveys:*** The University of Cincinnati Action Research Center developed a seven page survey instrument using convenience and purposive sampling techniques. The sample size was based on 2010 Census data. Thus, counties with a population up to 50,000 people received 60 surveys. Other counties received a greater number of surveys in relation to increments of ~200,000 people. Most questions tested between a 4th and 6th grade reading level. Pre-testing was conducted with the target population and revealed that there were no significant readability issues. The survey took between 11 and 22 minutes to complete with most completing in less than 15 minutes. A $5 gift card incentive was provided. This survey was designed to answer questions focused on barriers to care. The survey instrument was a slightly modified Barriers to Care Questionnaire (developed by Michael Seid, 2009) that was originally designed to measure patient reports of difficulties with accessing or using healthcare. The Barriers to Care Questionnaire has a total scale and five subscales: 1) pragmatics — logistical and cost barriers that might prevent or delay appropriate utilization; 2) skills — acquired or learned strategies to navigate through, manipulate, or function competently within the

health care system; 3) expectations of receiving poor quality care; 4) marginalization — the internalization and personalization of negative experiences within the health care system; 5) knowledge and beliefs — lay or popular ideas about the nature and treatment of illness, which may differ from those of mainstream allopathic medicine. The survey includes validated measures including the initial barriers question. Surveys were administered between August 2011 – November 2011.

Data analysis of primary sources was conducted by the Action Research Center and by Stephanie Marshall, HCAN's Project Manager. The analysis occurred in November and December 2011 and included the following processes and methods:

- Quantitative Analyses. Team members from the Action Research Center entered and checked survey data in Excel. To analyze and summarize the survey data, they used SPSS statistical software for descriptive statistics such as percentages and averages. Quantitative survey results are presented in a variety of formats including written summary, pie charts, bar charts, and tables.
- Qualitative Analyses. Individual-level qualitative data were generated by each service provider in response to the different prompts during each county GLA. Because the GLA is a participatory process, the participants distilled and summarized themes from the flip charts and prioritized needs for their county during the actual GLA. In the Community Health Needs Assessment report, GLA data is presented both by the individual county and as an aggregate across all nine counties to detect similarities and overlap of priorities.
- As part of the GLA summary, the Action Research Center presented a ROWS analysis. ROWS analysis has been used within the organizational counseling, community consulting, and health promotion and education fields to describe Risks and Opportunities as they pertain to the environment and Weaknesses and Strengths as they pertain to the person (Prilleltensky & Prilleltensky, 2006). ROWS is very similar to SWOT analyses typically used in business to evaluate strengths, weaknesses, opportunities, and threats to a project. The Action Research Center used a modification of ROWS in this project to describe the Risks, Opportunities, Weaknesses, and Strengths as they pertain to health and healthcare in each of the nine counties.
- For the key informant stakeholder interviews, Stephanie Marshall, HCAN's Project Manager, recorded each stakeholder's comments in an Excel spreadsheet. Salient themes were summarized for each question within counties and across all nine counties. The stakeholder interview data was used to support quantitative data findings and assist in the definition of gaps and trends in healthcare in each county and for the region.
- A "Triangulation Summary and Recommendations" report was presented for each of the nine counties, which incorporates and "triangulates" results from both the GLAs and the surveys. Triangulation is an approach that ensures that results are consistent across the GLAs and surveys and allows for identification of areas in which there are differences. The Action Research Center also presented "Overall Recommendations" which combines recommendations across GLAs, surveys, and vulnerable populations.

### 2. Secondary Data Collection and Analysis Process:

HCAN convened a Data Committee with volunteer representatives from the United Way of Greater Cincinnati, Cincinnati Children's Hospital Medical Center, Hamilton County Public Health Department, Mental Health Board, Health Care Access Now, Greater Cincinnati Health Council, and the Butler County Educational Service Center. The committee included people with database management and survey experience, planning experience, and knowledge of special population groups. It was chaired by Jene Grandmont of HealthLandscape, one of the Community Health Needs Assessment partners. The Data Committee collected over 300 health-related indicators from secondary data sources via online search and exported available data into one spreadsheet. The secondary data collection occurred over a nine-month period. The Data Committee met monthly from March 2011 – November 2011, when they had finished collecting data for the initial list of indicators. Jene Grandmont continued collecting data when new indicators were requested by HCAN.

The following informational gaps have been identified:

- Indiana county and state-level data
- Rural Ohio counties (Highland and Adams in particular)
- Some state-level benchmark data for Indiana and Ohio
- ZIP-code or neighborhood level data at the county level except for selected indicators as noted in the Assessment report

HCAN was the primary source of information for The Mercy Health – Anderson Hospital's Community Health Needs Assessment. The county level results of HCAN's ***A Community Health Needs Assessment for Southwest***

***Ohio and Southeast Indiana*** were supplemented by the hospital with additional data from the following sources:

- "By the Numbers," Mental Health Advocacy Coalition, 2011.
- Cancer Incidence and Mortality; Ohio Cancer Incidence Surveillance System, 2008; current data available online as of 6/21/2012.
- Chronic Disease Indicators; State/Area Profile; CDC's National Center for Chronic Disease Prevention and Health Promotion; http://apps.nccd.cdc.gov accessed September 4, 2012.
- Clermont County Vital Statistics; Clermont County General Health District; 2007-2011.
- 2009 Health Assessments, Clermont County Health District.
- County Health Rankings & Roadmaps 2012; www.countyhealthrankings.org; accessed 8/27/2012.
- Diagnoses for All Hospital Admissions per Service Area (by ZIP code); Ohio Hospital Association, 2011.
- Mercy Health Self-pay and Charity Financial Classes Seen in the Emergency Departments, 2011.
- Policy Brief: Mental Health in Ohio; Health Policy Institute of Ohio, September 2009.
- Top 10 Causes of Death in Cincinnati, 2001-2007, City of Cincinnati.

These sources provided supplemental references and data to inform the ad hoc committee, convened by the hospital and including community leaders, that performed the scoring and prioritizing of community health needs. Local and regional data to determine the severity of a disease or health need was not uniformly available. The county level summary, below, was prepared by HCAN.

## *Butler County Summary*

*Summary from HCAN's* ***A Community Health Needs Assessment for Southwest Ohio and Southeast Indiana***

In Butler County, 137 residents completed the CHNA Community Health Survey, and 12 service providers participated in the CHNA Group Level Assessment. Butler County CHNA Community Health Survey respondents had the most racial and ethnic diversity of the counties in the CHNA region, with 56 percent of respondents being white, 43 percent Latino, and 12 percent African American. In addition, the Butler County survey had the highest rate of primary Spanish speakers (41 percent). Most survey respondents were female (80 percent), not employed full-time (74 percent), and parents of children under the age of 18 (69 percent). About 89 percent of respondents reported a household income below $40,000 per year, which is lower than the US Census's report of median income in the county. Respondent age was skewed younger than Butler County as a whole, with 93 percent of respondents being ages 49 or younger.

### Health Care Utilization

When asked where they most often went for health care for themselves, only 49 percent of respondents reported going to private doctors and 39 percent to private dentists. These frequencies are somewhat lower than the total CHNA sample, where 62 percent reported going to private doctors and 56 percent to private dentists. Fifty-three percent of Butler County respondents said they had received a routine check-up in the last year. Average annual number of physician visits was 5.1. Service providers in the county cited health care accessibility as one of the most important and challenging issues in the county, particularly for vulnerable populations like Spanish speakers and people who are homeless.

### Health Behaviors and Beliefs

Although about 22 percent of respondents have used natural products to treat medical conditions, most Butler County respondents were not regular users of complementary and alternative medicine practices. Like the total CHNA survey sample, respondents believed health professionals, changes in behavior and prayer and/or God are the most important factors in good health. Service providers believed the "culture of poverty" and generational poverty issues have a significant impact on the health behavior of many Butler County residents. Specifically, service providers believe that cultural factors related to chronic poverty are associated with lack of health empowerment, poor health literacy, high emergency department use, high "no show" rates and lack of follow-up on health care issues.

### Sources of Health-Related Information

Survey respondents reported most often turning to health care providers, television and the Internet to find information about staying healthy. They turn to their health care provider, friends and coworkers or family members for information about health care and health insurance. Of all hospital-sponsored events, participants most often reported taking advantage of flu shots (23 percent), health fairs (19 percent) and immunizations (15 percent), but less than 10 percent reported using any other hospital-sponsored

service. Service providers identified several resources for information in Butler County, but they believed lack of care coordination and integration and difficulties navigating the system are major barriers to connecting consumers to these resources.

### Barriers to Care

Survey respondents were mostly likely to cite logistical and cost barriers to care. Seventy-seven percent of respondents reported that transportation did not prevent them from seeing a health care professional, and the majority did not have to travel more than 10 miles to reach the various health care services they needed. Interestingly, the most commonly answered distance for mental health service was "don't know," which was similar to service providers' feedback, who described a disconnect between consumer and mental health services. In general, survey results were different from those of service providers, who described transportation and lack of providers as two of the biggest barriers to health in Butler County.

### Conclusions

Butler County has several unique populations that are particularly vulnerable, including a large population of people who are homeless and a concentration of native Spanish speaking immigrants. Butler County also has 13.5 percent of the population living below the poverty level, and service providers described several employers in the area that have recently laid off large numbers of workers. Taken together, the lack of centralized resources, the high numbers of poor and working poor and the needs of diverse vulnerable populations create a particularly complex health care scenario in Butler County.

### Recommendations

Service providers identified "Unify the County" as a rallying cry for agencies to help improve coordination of care and access to services. Service providers emphasized the need for coordination of care and centralized services. Butler County would benefit from a funded collaborative body with representatives from the various health-related organizations and agencies around Butler County that can facilitate communication and the development of a system of coordinated care. This collaborative body could include various levels of the community and corporate leaders, as well as direct service providers to consumers.

The need for resources specifically targeting people who are homeless was emphasized in Butler County more than any other county. People who are homeless are particularly vulnerable to coordination of care issues and systemic problems in accessing and following up on care. Preventive care is typically ignored by this group to deal with more pressing concerns. Future efforts should partner with Butler County agencies already serving the homeless population to increase care coordination and improve access to services.

Butler County has high rates of poverty (13.5 percent) and unemployment (9.6 percent); service providers describe significant difficulty serving the working poor who often do not qualify for Head Start or Healthy Families due to income limits. Working poor families often have no access to health care services because insurance premiums, deductibles or co-pays are too high. As such, the working poor are identified as a particularly vulnerable population in Butler County and are a prioritized target for future resource development.

Access to mental health and substance abuse services for all demographic groups was cited as a significant problem in Butler County, particularly for those geographically distant from Hamilton and Middletown. Service providers report a particular need for inpatient detox units and services to address the extended effects of drug abuse on families and communities. Increased access to mental health and substance abuse services is a priority for Butler County.

Access to dental health professionals, particularly for the underinsured and uninsured, was identified as a major concern of service providers in Butler County. Outside of the more populated area surrounding Hamilton and Middletown, service providers report that dental professionals are scarce.

Hispanics/Latinos have different health beliefs that may or may not be aligned with Western allopathic medicine. As Latinos and other immigrant populations increase in places like Butler County, hospitals and health care agencies must offer services that appeal to an increasingly broader range of consumers, and staff must be trained to practice in a culturally competent manner.

## *Community Input*

*(IRS Notice 2011-52 Section 3.06)*

All of the individuals listed below were identified for participation because they possessed current data or information relevant to the health needs of the community served by the hospital. The staff and officials who, by virtue of their office or position, are considered to have expertise in public health are indicated by an asterisk (*) after their name.

### Individuals contacted:

Judy Bennington*, Administrator
Adams County Health Department, 9/14/2011

Mary Ann Miars-Peercy, Executive Director
United Way of Scioto County, 10/4/2011

Alvin Norris, Executive Director, Adams-Brown Counties
Economic Opportunities Inc., 8/29/2011

Harold Vermillion*, Health Commissioner
Brown County Health Department, 8/29/2011

Colleen Chamberlain, Associate Director
Brown County Alcohol, Drug Addiction, Mental Health Services Board, 9/7/2011

Debra Gordon, Area Director
United Way of Greater Cincinnati, 9/19/2011

Jackie Phillips*, Health Commissioner
Middletown City Health Department, 9/23/2011

Mike Sanders, Executive Director
Middletown Area United Way, 9/7/2011

Jeffery Diver, Executive Director, Butler County Supports to Encourage Low-Income Families, 9/13/2011

John Guidugli, President and Chief Executive Officer
Hamilton Community Foundation, 9/13/2011

Duane Gordon, Executive Director
Middletown Community Foundation, 10/10/2011

Karen Scherra, Chief Operating Officer, Clermont County Mental Health and Recovery Board, 9/27/2011

Billie Kuntz, Executive Director
Clermont County Community Services, 9/19/2011

Lisa Jackson, VP Marketing, Development
HealthSource of Ohio, 12/5/2011

Tim Ingram*, Health Commissioner
Hamilton County Public Health, 9/29/2011

Erik Stewart, Vice President of System Performance
Hamilton County Mental Health and Recovery Services Board, 9/19/2011

Barbara Terry, Vice President Community Impact Community/Charity
United Way of Greater Cincinnati, 9/8/2011

Will Parr, Agency Director
Cincinnati/Hamilton Community Action, 10/3/2011

Shiloh Turner, Vice President of Programs
Greater Cincinnati Foundation, 9/15/2011

H.A. Musser, President and Chief Executive Officer
Santa Maria Community Services, 12/6/2011

Dr. Jim Vanzant*, Health Commissioner
Highland County Health Department, 9/12/2011

Juni Frey, Executive Director, Paint Valley Alcohol, Drug Addiction, Mental Health Services Board, 9/22/2011

Duane Stansbury*, Health Commissioner
Warren County Combined Health District, 9/12/2011

Brent Lawyer, Executive Director
Mental Health and Retardation Services of Warren and Clinton Counties, 9/7/2011

Karen Hill, Director, Aging Services
Warren County Community Services Inc., 9/13/2011

Julia Rupp, Chief Operating Officer
Community Mental Health Center, 8/30/2011

Karen Snyder, Director
Dearborn County United Way, 9/6/2011

Mark Neff, Coordinator
Dearborn County Community Foundation, 9/9/2011

David Welsh, M.D.*, County Health Officer
Ripley County Health Department, 9/27/2011

Sally Morris, Executive Director
Ripley County Community Foundation, 8/30/2011

John Joy, Dean
Southern State Community College, 9/22/2011

Eric Rademacher, PhD, Co-Director
University of Cincinnati, Institute for Policy Research, 10/20/2011

John Tafaro, President
Chatfield College, 8/29/2011

### Direct Service Provider Group Level Assessments:

Becky Basford, Certified Nurse Practitioner, Adams County Regional Medical Center (ACRMC), 10/26/2011

Krys Hess, Food Service Supervisor, Adams County Ohio Valley School District (ACOVSD), 10/26/2011

Carol Motza*, Board Member
Health Department, 10/26/2011

Brian McCord, Sports Medicine Manager, Adams County Regional Medical Center (ACRMC), 10/26/2011

Will West, Wal-Mart, 10/26/2011

Farrah Jaquez, Assistant Professor
University of Cincinnati (UC), 10/26/2011

Shay Beighle, Teacher
North Adams High School, 10/26/2011

Holly Johnson, Director, Adams County Economic Development Council (ACEDC), 10/26/2011

Mike Clinton, 10/26/2011

Karen Ballengee, Treasurer
Manchester Local School District (MLSD), 10/26/2011

Alvis George, Manchester Local School District (MLSD), 10/26/2011

Dane Clark, Assembly and Test Manager/Board of Trustees General Electric (GE)/Adams County Regional Medical Center, 10/26/2011

Joyce Porter, Director of Human Resources and Risk Management, Adams County Regional Medical Center (ACRMC), 10/26/2011

Charlie Bess, Volun"teen" Coordinator/Board Member Adams County Regional Medical Center (ACRMC)/Adams County/Ohio Valley School District (ACOVSD), 10/26/2011

Delora Blymail, Workforce Connections of Adams and Brown Counties, 10/25/2011

Steve Dunkin, Executive Director, Brown County Alcohol, Drug Addiction, Mental Health Board, 10/25/2011

Mary Francis, Director, Assistance for Substance Abuse Prevention Center, 10/25/2011

Erin Holsted, MSW, Licensed Social Worker
Western Brown School Based Health Center, 10/25/2011

Joan Phillips, Chief Executive Office
Brown County Hospital, 10/25/2011

Venita Milburn, Brown County Hospital, 10/25/2011

Sue Basta, PhD, RN; Continuing Education Health Promotion Programs, HEALTH-UC/University of Cincinnati Area Health Education Center, 10/25/2011

Ramona Applegate, Adams Brown Early Head Start/ Adams/Brown County Economic Opportunities, Inc., 10/25/2011

Bonita Haas, BSW, Licensed Social Worker; Assistant Director, Adams Brown High School/Early Head Start/ Help Me Grow/Adams/Brown County Economic Opportunities, Inc., 10/25/2011

Joan Garrett, Pre-K Director, Board Member
Brown County Educational Service Center, 10/25/2011

Dayne Michael, Supervisor
Brown County Educational Service Center, 10/25/2011

Margaret Clark, Judge
Probate Juvenile Court, 10/25/2011

Randy Allman, Director Regional Services, Brown County Recovery Services (Talbert House), 10/25/2011

David Sharp, Director of Job/Family Services
Brown County Recovery Services, 10/25/2011

Tammie Keller, Business Manager, Brown County Board of Developmental Disabilities, 10/25/2011

Linda Ondre, Coordinator
Family Children First Council, 10/25/2011

Angie Devilbliss, Faculty Secretary
Southern State Community College, 10/25/2011

Heather Wells, MSW, Licensed Social Worker/ Coordinator
Butler County Family Children First Council, 10/21/2011

Bill Staler, Chief Executive Officer
Lifespan, 10/21/2011

Marc Bellijario, Chief Executive Officer
Primary Health Solutions, 10/21/2011

Yvette Dorsey-Benson*, Director
Middletown Health Department Project, 10/21/2011

Carrie Coreen, Butler 211, 10/21/2011

Angie Duncan, Director
Butler County Success, 10/21/2011

David Foster, Support Services Director
Fairfield City Schools, 10/21/2011

Nina Rose, Senior High Students Against Drunk Driving Sponsor, Fairfield City Schools, 10/21/2011

Susie Sheridan, Practice Manager
Primary Health Solutions, 10/21/2011

Stephanie Johnson, School Nurse, Talawanda School District, Board, Butler County Health Department and Oxford College Corner Free Clinic, 10/21/2011

Linda Kimble, Executive Director
Serve City, 10/21/2011

Cari Wynne, Supervisor
Educational Service Center – Success, 10/21/2011

Carla Grossman, Counselor
Mercy Clermont Mental Health, 11/3/2011

Billie Elliot, LifePoint Solutions, 11/3/2011

Deb Spradlin, Director of Behavioral Health Services
Sisters of Mercy Clermont, 11/3/2011

Marty Lambert*, Health Commissioner
Clermont County Health District, 11/3/2011

Julianne Nesbit*, Assistant Health Commissioner
Clermont County Health District, 11/3/2011

Karen Balon, LPN; Health Manager
Child Focus, Inc., 11/3/2011

Peggy Haley, Director
Mercy Clermont Outreach, 11/3/2011

Laura Metzler, Director of Community/Volunteer Improvement, American Cancer Society, 11/3/2011

Marty Grove, Director of Nursing Clinical Services – Education, Mercy Clermont, 11/3/2011

Charlotte Goering, Mercy Clermont, 11/3/2011

Ann Lane, Office Manager Emergency Room
Mercy Clermont, 11/3/2011

Irene Behling, Director of Mission Integration
Mercy Clermont, 11/3/2011

Carol Muhlenkamp, Director of Patient Care Services Nursing – Dearborn County Hospital (DCH), 11/2/2011

Stephanie Craig, Director of Education and Risk Management, Education/Risk Assessment Dearborn County Hospital, 11/2/2011

Mayor Donnie Hastings, Mayor, City of Aurora, 11/2/2011

Tom Talbot, Chief Executive Office
Community Mental Health Center, Inc., 11/2/2011

Bill Cunningham, Mayor of Lawrenceburg, 11/2/2011

Karl Galey, Superintendent
Lawrenceburg Schools, 11/2/2011

Cecelia Scudder, Nursing Administration
Dearborn County Hospital, 11/2/2011

Arn Edwards, Lifetime Resources, 11/2/2011

Lois Franklin*, Public Health Nurse
Dearborn County Health Department (DCHD), 11/2/2011

Debbie Fehling*, RN, Health Educator
Dearborn County Health Department (DCHD), 11/2/2011

Brenda Coleman, Vice Chairperson on Board
Health Care Access Now, 11/14/2011

Nancy Carter*, RDH, MPH Assistant Dental Director
Cincinnati Health Department, 11/14/2011

Sally Stewart, Chief Executive Officer
Crossroad Health Center, 11/14/2011

Bill Ebelhar, Director of Outpatient Counseling
Centerpoint Health, 11/14/2011

Randy Allman, Program Director
Talbert House, 11/14/2011

Sean Kelley, Director of External Relations
The Health Collaborative, 11/14/2011

Mary Day, Managing LTC Ombudsman
Pro Seniors, Inc., 11/14/2011

Shana Trent, Practice Manager
The Healthcare Connection, 11/14/2011

Saundra Regan, PhD, Research Scientist
University of Cincinnati Family Residency, 11/14/2011

Judith Warren, Executive Director
Health Care Access Now, 11/14/2011

Ann Barnum, Officer – Substance Use Disorders
Health Foundation of Greater Cincinnati Senior Program, 11/14/2011

Stephanie Marshall, Project Manager
Health Care Access Now, 11/14/2011

Tim Ingram*, Health Commissioner
Hamilton County Public Health, 11/14/2011

Terresa Adams, Community Specialist
Cincinnati Children's Hospital Medical Center, 11/14/2011

Dolores Lindsay, Chief Executive Officer
The Healthcare Connection, 11/14/2011

Abda Tall, Interpreter/Patient Advocate
The Healthcare Connection Lincoln Heights, 11/14/2011

Yolanda Mayweather, Interpreter/Patient Advocate
The Healthcare Connection, 11/14/2011

Joe Curry, Executive Director
Everybody Rides Metro, 11/14/2011

Kim Sullivan, Chief Executive Officer/President
Sincere Home Health Care, 11/14/2011

Tim Sullivan, Sincere Home Health Care, 11/14/2011

Ray Watson, Community Investment Program Officer
The Greater Cincinnati Foundation, 11/14/2011

Michelle Duff, Caseworker
Big Brothers Big Sisters, 10/13/2011

Karen McDonald-Myers, Executive Director
Big Brothers Big Sisters, 10/13/2011

Rita Easday, Superintendent
Hillsboro City Schools, 10/13/2011

Tony Long, Superintendent
Southern Ohio Educational Services Center, 10/13/2011

Danielle Ratcliff, FCFC Coordinator
Family and Children First, 10/13/2011

Juni Frey, Executive Director, Paint Valley Alcohol,
Drug Addiction, Mental Health, 10/13/2011

Dana Berryman, Parent Representative, 10/13/2011

Bonnie Cumberland, Parent Representative, 10/13/2011

Heather Gibson, Project Director
Help Me Grow, 10/13/2011

Shena Weade, Director of Early Childhood Programs
Highland County Community Action Organization/
HeadStart/Early Head Start, 10/13/2011

Amanda Robbins, Parent Representative
Help Me Grow, 10/13/2011

Melody Elliott, Director
FRS Transportation, 10/13/2011

Jehona Preza, Community Outreach
Molina Healthcare, 10/13/2011

Susan Roades, Case Manager/Social Service Supervisor
Highland County Job and Family Services, 10/13/2011

Lisa Higley, Health Chek/Pregnancy Related Services
Highland County Job and Family Services, 10/13/2011

Amy Watson, Nurse
Jac-Cen-Del Nurse, 10/19/2011

Tonya George, Office Manager
Health Centered Chiropractic, 10/19/2011

Pat Thomas*, Health Department Director
Ripley County Health Department, 10/19/2011

Vicky Powell*, Public Health Nurse
Ripley County Health Department, 10/19/2011

Gayla Vonderheide, Director of Health Services
Batesville Community School, 10/19/2011

Appie Thompson, RN
Milan Community Schools, 10/19/2011

Tony Czack, Manager, Anytime Fitness, 10/19/2011

Geralyn Litzinger, Manager of Occupational Health
Services, Margaret Mary Community Hospital, 10/19/2011

Cindy Blessing, Wellness Coordinator/Choices Director
City of Batesville, 10/19/2011

Brenda Wetzler, Board Secretary
Osgood Community Foundation, 10/19/2011

Laura Rolf, Community Development Director
Big Brothers/Big Sisters of Greater Cincinnati, 10/19/2011

Trish Hunter, Director of Support Services
Margaret Mary Community Hospital, 10/19/2011

Kathy Cooley, RD, Dietitian
Margaret Mary Community Hospital, 10/19/2011

Bonnie Ploeger, Director of Inpatient Care
Margaret Mary Community Hospital, 10/19/2011

Kathy Newell, Cardiology Director
Margaret Mary Community Hospital, 10/19/2011

Kevin Knekelen, Neace Luken, 10/19/2011

Angela Hurley, Wellness Director
Southern Indiana YMCA, 10/19/2011

Amy Ertel, School Nurse
Saint Louis School, 10/19/2011

Angie Johnson, Executive Director
Southern Indiana YMCA, 10/19/2011

Linda Tuttle, Manager of Social Services Department
Margaret Mary Community Hospital, 10/19/2011

Della Menchhofer
Osgood Community Foundation, 10/19/2011

Denise Roark, School Nurse
Milan Elementary, 10/19/2011

Debbie Blank, Reporter, The Herald-Tribune, 10/19/2011

Jean Dorgan, Abuse Rape Crisis Shelter, 11/2/2011

Jerri Langworthy, Volunteer Resource Center Director/ Community Building
Warren County United Way, 11/2/2011

Kathy Michelich, Educator and Director
Ohio State University Extension, 11/2/2011

Sue Miller, Family Services Director
Warren County Community Services, 11/2/2011

Sharon Moeller, School Nurse/Safety Officer
Warren County Career Center, 11/2/2011

Marilyn Singleton, Site Manager
TriHealth, 11/2/2011

Sandy Smoot, Coordinator
Family & Children First Council, 11/2/2011

Duane Stansbury*, Health Commissioner
Health District (Health Department), 11/2/2011

Judy Webb, Director, Elderly Services Program
Warren County Community Services, 11/2/2011

The focus group participants, listed above, included representatives of community, consumer, and educational organizations as well as service and health providers. The stakeholder interviews and the focus group participants identified community needs. For the prioritizing of community health needs, the hospital convened a one-time committee and invited community leaders from the hospital's service area to participate in discussing, evaluating, scoring, and prioritizing the health needs identified through both the HCAN report and the supplemental data provided by the hospital.

The following community forums were open to the general public. They were also promoted to interviewees and focus group participants and their organizations, including representatives who work daily with low-income residents, people with chronic diseases, the elderly, young people, disabled populations, people with mental health and/or substance abuse, and minority populations. At each forum, CDs containing HCAN's report were given away for public dissemination. The forums were organized by HCAN and the Action Research Center, and the hospital was not privy to their communications plan. Not all participants in community forums provided their titles and affiliations.

### Community Forums

*Description prepared on July 2, 2012 by Action Research Center team members and HCAN staff & consultants*

In order to disseminate results of the community health needs assessment (CHNA) and begin the conversation about next steps, five community forums were organized by HCAN and the University of Cincinnati Action Research Center. The forums were held at accessible sites across the nine county region:

- Forum 1: Adams, Brown, and Highland Counties, June 11, 2012. Location: Brown County Fairgrounds in Georgetown, OH. 16 Attendees: Jim Settles, Ripley; Rose Merkowitz, Wilmington; Jim Merkowitz, Washington Court House; Steve Dunkin, Georgetown; Denise Neu, Georgetown; Sharon Ashley, Blue Creek; Saundra Stevens, West Union; Sherry Stout, Winchester; Elizabeth Pendell, Peebles; Nancy Darby, West Union; Kathy Jelley, Georgetown; Penny Condo, Georgetown; Amy Habig, Hillsboro; Cheryl Williams, Georgetown; Brian Peck, Georgetown; and Mary Bailey, Georgetown.

- Forum 2: Dearborn and Ripley Counties, June 12, 2012 Location: Southeast Indiana YMCA in Batesville, IN 24 Attendees: Vicky Powell, Batesville; Tom Talbot, Greendale; Kim Inscho, MMCH; Frank Goodpaster, Osgood; Paula Goodpaster, Versailles; Kim Linkel, Batesville; Luree Ketcham, Lawrenceburg; Ruth Wright, Lawrenceburg; Jennifer Mehlon, Batesville; Diane Raver, Batesville; Ashley Morris, Batesville; Geralyn Litzinger, Batesville; Stephanie Craig, Lawrenceburg; Angie Johnson, Batesville; Connie DeBurger, Versailles; Rae Lynn DeAngelis, Lawrenceburg; Paula Bruner, Lawrenceburg; Jane Yorn, Batesville; Lisa Werner, Batesville; Laura Rolf, Lawrenceburg; Kathy Newell, Batesville; Rick Fledderman, Ripley; Kathy Cooley, Ripley; and Rhonda Savage, Batesville.

- Forum 3: Butler and Warren Counties, June 25, 2012 Location: Miami University Voice of America Learning Center in West Chester, OH. 18 Attendees: Jennifer Kruger, City of Hamilton; Terry Purdue, Hamilton; Joyce Kachelries, Hamilton; Jane Barnes, Hamilton; Mike Oberdoesk, Cincinnati; Sherry Schilling, Oxford; Dawn Fahner, Oxford; Susan Lipnickey, Oxford; Marc Bellisaro, Hamilton; Heather Wells, Hamilton; Karen Hill, Lebanon; Judy Webb, Lebanon; Sandy Smoot, Lebanon; Sharon Klein, Oxford; Pat Van Oflen, Fairfield; Lynn Oswald, Mason; Brad Farr, West Chester; and Brent Lawyer, Lebanon.

- Forum 4: Clermont and Hamilton Counties, June 26, 2012. Location: Union Township Civic Center in Eastgate area. 7 Attendees: Sue Motz, Mercy Health; Heidi Nykolayko Woods, Recovery Center; Gwen Finegan, Mercy Health; Wendy Hess, TriHealth; Irene Behling, Mercy Health; Gyasi C. Chisley, Mercy Health; and Ruchi Bawa, UC-Clermont.

- Forum 5: Hamilton County, June 28, 2012 Location: Health Foundation in Cincinnati, OH 20 Attendees: Col Owens, Legal Aid Society; Donna Marsh, Marsh Media Group; Ashaki Warren; Monica Roberts, Healing Center Cincinnati; Tony Savicki; Melissa May; Josh Kaufmann, Project Access; Tonda Francis, Greater Cincinnati Health Council; Lee Ann Liska, Mercy Health; Rick Stumpf, University of Cincinnati; Don Rohling, Mercy Health; Mary Beth Meyer, Center for Respite Care; Jeff Armada, Mercy Health; Kathy Lordo, Hamilton County Public Health; Tim Ingram, Hamilton County Health Commissioner; Yousuf Ahmad, Mercy Health; Jill Gorley, Alzheimer's Association; LiAnne Howard, City of Cincinnati; Tori Ames, Cincinnati Children's Hospital Medical Center; Leslie Applegate, University of Cincinnati.

Although these forums were initially designed to include community residents, service providers, and hospital representatives, the majority of attendees were service providers and hospital representatives. Each forum was held for 1.5 hours. At each forum, the same agenda was followed.

- Welcome and Introduction
- Key CHNA Findings and Recommendations (Across Nine Counties and County Specific)
- "Imagining the Future" Exercise (small group county-specific discussions about report recommendations)
- Wrap Up and Next Steps

Overall, the attendees were interested in hearing the results — both nine-county and county-specific. They were engaged in discussing next steps. Attendees offered specific suggestions about how best to move forward.

Based on the discussions and interest expressed by attendees, there appears to be a high level of willingness among attendees to partner with hospitals and other county stakeholders for the development of practical community health improvement initiatives. The attendees were rather passionate and ready to mobilize for action planning and execution. Attendees were invited to indicate if they would be interested in follow-up for future meetings, action planning and information. The majority of attendees did consent for future follow-up. Therefore, the hospitals would have a core group of county residents and providers to work with in developing their respective community health improvement plans.

### General Overall Themes from the Group Discussions

All counties agreed with and identified the need to establish a collaborative health advisory board that includes consumers. Adams County was the only county who felt they already had such a board with their Health and Wellness Coalition. Some of the counties described coalitions and boards already in existence that could be examined and possibly condensed or expanded to better meet communication and resource needs. All counties identified the need to make sure that county and community resources are not only identified, but shared widely so community members know what is available.

Coordination of services (beyond medical health services) was stressed in all forums. Several GLAs and forums were venues of discovery, as participants became aware of services in their county. All county groups noted the importance of assessing the resources available (and whom they serve), as well as collaborating in spreading awareness of those resources. The groups also agreed that it made sense to coordinate efforts to ensure that the people of their counties would have access to needed services. Participants at the community forums were anxious to network and work collaboratively. They often represented the service providers that are already stretched thin in their respective roles. As the Warren County group put it, "Who will take the lead in coordinating these efforts?"

In terms of next steps, several county groups felt that further assessment of needs of vulnerable populations was warranted. For example, Adams County attendees identified that more information on children and the elderly was needed. Other county groups also voiced that continued in-depth needs assessments were important to determine needs and prioritization. One group, however, said that it's time to take action, rather than continuing to conduct more assessments.

Access to care discussions raised issues of transportation with some suggestions for mobile health care (Ripley), access to transportation (Dearborn) and revised hours or walk in clinics, In the Warren County small group discussion, attendees reiterated that transportation is a

challenge within their county. They stated that they must take action to address transportation since they have known it's a problem and continues to be a problem according to the results of this CHNA.

The lack of specific types of providers was noted in many counties, especially outside the I-275 loop. Primary care, dental, mental health and substance abuse practitioners are lacking in several of the counties. Some suggestions were made for incentivizing practitioners to not only work in outlying areas (Clermont), but to agree to care for the underinsured and uninsured (Hamilton). Participants were aware that funding is part of the equation. Some suggested that loan forgiveness and internships might be incentives for recruitment.

Partnering with business and community leaders was brought up both in direct collaboration and in grants/ funding for needed programs.

## Community Health Needs

Priorities were established among identified health needs using a multi-level process incorporating the perspective of major stakeholders in the local community as defined in the IRS Notice and are relevant to the hospital's defined service area. Local community leaders were invited to join hospital leaders and regional representatives for one scoring session. They were provided a list of health conditions or issues with data from HCAN's report and the sources above, as relevant, and asked to identify the health needs from the list of health conditions or issues. They prioritized the needs that were identified. The following worksheet was prepared and distributed in advance of the scoring session. Participants added their suggestions to the community capacity column, and they have been incorporated below. The group discussed the conditions and issues for which there was not a lot of data available to measure the degree of severity at the county- or ZIP code-level. In some cases, indicators were included to reflect the dimensions of a condition when prevalence, morbidity, and mortality data, for example, was not available. It was helpful to have hospital personnel and community leaders at the table together to share their experiences and perspectives about how health conditions and issues are demonstrated in the community area served by the hospital.

Based on all of the above information and processes, the prioritized health needs of the community served by the Mercy Health – Fairfield Hospital are listed below.

### Access to Care

#### Size of Population

- 49,698 live in poverty (13.5%) and 18% of children.
- 16% of adults are uninsured (2012 Ohio County Health Rankings, OCHR).
- Fairfield also serves some of the residents of northern Hamilton County.

#### Severity/Significance

Butler County is among the most diverse in the region: 4% Latino; 7.3% African-American; and 2.4% Asian. Its vulnerable populations include Spanish-speakers and homeless people. The high numbers of poor, working poor, and diverse vulnerable populations create a complex health care scenario. There is a lack of providers for people who are uninsured and underinsured. In 2011 23.46% of the Fairfield Emergency Department (ED) patients were self-pay or charity care.

#### Outcomes to Evaluate Progress

The metric is the percentage of people with a medical home. United Way's Bold Goal is to reach 95%. As a benchmark, currently 84% in the region have a medical home, per the 2010 Greater Cincinnati Behavioral Health Status Survey (which is repeated every few years).

#### Community Capacity

St. Raphael provides medical services to the poor, homeless, and minorities. The Health Partnership connects the working poor to medical homes.

### Cancer

#### Size of Population

- There were 251 cases of lung cancer at a rate of 80.5 per 100,000.
- There were 220 cases of female breast cancer at a rate of 125.2 per 100,000.
- There were 198 cases of prostate cancer at a rate of 141.3 per 100,000.
- There were 161 cases of colon and rectum cancer at a rate of 52.4 per 100,000.

#### Severity/Significance

Lung cancer, female breast cancer, prostate cancer, and cancer of the colon and rectum were the most common forms of cancer in Butler County. For all cancer sites/types combined, white males have a higher incidence rate, and black males have a higher mortality rate. (Ohio Cancer

Incidence Surveillance System, 2001-2005). In Butler County, 29% adults smoke, compared to 22.5% for region.

### Outcomes to Evaluate Progress

Colon cancer screening has been added to measures tracked and publicly reported by local physicians at YourHealthMatters.org (through Aligning Forces For Quality, AF4Q). For patient ages 50-75: Colonoscopy within the past 10 years; Sigmoidoscopy within the last 5 years; Stool Test within the last year.

### Community Capacity

Cancer screening, including mammograms and Pap smears, are offered by hospitals, doctors, and clinics. St. Raphael provides financial assistance to individuals diagnosed with breast cancer. Cancer Family Care provides counseling services.

## *Dental Health*

### Size of Population

30.4% adults do not have dental coverage (Ohio Family Health Survey 2008)

### Severity/Significance

Although the Dentist Ratio is 2490:1 (compared to Ohio's ratio of 2435:1, 2012 OCHR), there are not enough providers outside Hamilton & Middletown. A dental needs assessment in 2007 revealed that only 6 of 127 primary care dentists in the county would take new Medicaid or uninsured patients (Ohio Department of Health, ODH).

### Outcomes to Evaluate Progress

NA

### Community Capacity

Middletown Dental Clinic; Lincoln Heights Dental Clinic

## *Diabetes*

### Size of Population

12%, or 44,176, of the population is diabetic. (2012 OCHR)

### Severity/Significance

The communities with the highest rates of hospital admissions for diabetes are: Fairfield-Liberty Township, Millville-Rossville, Fairfield-Indian Springs, Lindenwald, Forest Park, and Glendale, compared to the southwest Ohio overall rate.

### Outcomes to Evaluate Progress

Diabetes management is tracked on YourHealthMatters.org AF4Q Public Composite Measures and Goals: A1c < 8.0; LDL < 100; BP < 140/90; Non-Smoker; Additional Measures Submitted for Bridges To Excellence and National Committee for Quality Assurance (BTE) and NCQA Recognition-Ophthalmologic Exam, Nephropathy Assessment

### Community Capacity

St. Raphael offers Sobremesa (diabetes education for Hispanics) and Healthy U — Stanford University evidence-based chronic disease management series.

## *Heart Disease*

### Size of Population

Death rates for heart disease are 265.9 per 100,000 in Ohio.

### Severity/Significance

Heart disease is the #1 cause of death in Cincinnati (265.2 per 100,000) and Hamilton County (181.6 per 100,000), consistent with the Ohio rate (265.9). (CDC) It is higher than the national rate of 204.3 per 100,000. (CDC) In the City of Cincinnati, Avondale's mortality rate for heart disease is almost 30% more than the City's rate; Evanston/East Walnut Hills' rate is more than 80% above the City's rate; and Hartwell's rate is nearly 60% above the City's rate. Cincinnati Health Department reports hyperlipidemia as one of its top diagnoses for ages 35-65+. In the Fairfield service area, the communities with the highest rates of hospital admissions for heart disease are: Millville-Rossville, Fairfield-Indian Springs, Hamilton-Lindenwald, and Glendale, compared to the southwest Ohio overall rate.

### Outcomes to Evaluate Progress

AF4Q Public Composite Measures and Goals: LDL < 100; BP < 140/90; Non-Smoker; Daily Aspirin/Anti-Thrombolytic (unless contraindicated); Additional Measures Submitted for Bridges to Excellence (BTE) and National Committee for Quality Assurance (NCQA) Recognition-Completed Lipid Profile; Smoking Cessation Advice and Treatment

### Community Capacity

Cardiovascular health is tracked on YourHealthMatters.org (AF4Q). Chronic disease management classes offered through St. Raphael.

### *Infant Mortality*

#### Size of Population
In Butler County, 7.7% of the births are categorized as Low Birth Rate (2012 OCHR).

#### Severity/Significance
Hamilton County has an infant mortality rate of 11.5 per 1,000 live births, compared to Healthy People (HP) goal of 6.0 and Ohio average of 7.8. Wyoming was one of the communities in northern Hamilton County with the highest maternal health risks in 2009.

#### Outcomes to Evaluate Progress
Healthy People (HP) goal of 6.0

#### Community Capacity
Every Child Succeeds; Healthy Moms and Babes; Mercy Fairfield OB/GYN Clinics

### *Safety from Harm*

#### Size of Population
Butler County has a violent crime rate of 400 violent crimes per 100,000 people, compared to the national rate of 73 and Ohio's rate of 360. (582 per 100,000 in Hamilton County)

#### Severity/Significance
Butler County has a disproportionately high number of arrests for intimate partner violence, with about 1,000 arrests in 2007 (most recent year's data). Butler County ranks 80th out of 88 counties in Ohio in Community Safety. (2012 OCHR) There is a high number of Civil Protection Order Petitions (57.3 per 10,000 adults) compared to benchmark (21.6 per 10,000).

#### Outcomes to Evaluate Progress
Violent crime rate in OH is 360 per 100,000; U.S. rate is 73.

#### Community Capacity
YWCA – Battered Women's Shelter; Legal Aid of Hamilton

### *Vulnerable Populations*

#### Size of Population
In Butler County, 11.5% of the population is 65 years and over 4% are Latino.

#### Severity/Significance
In Butler County, the homeless, working poor, and Spanish-speaking are less likely to have access to care. Seniors are a vulnerable population in all the counties, specifically those who are not yet eligible for Medicare and who do not qualify for Medicaid. Seniors also reported higher rates of high blood pressure and diabetes than other vulnerable groups.

#### Outcomes to Evaluate Progress
TBD

#### Community Capacity
St. Raphael; Living Water Ministry; Partners in Prime; Elderly Services Program administered by Council on Aging and services provided by LifeSpan

## *Other Chronic Disease*

### *Chronic Heart Failure*

#### Size of Population
Not available

#### Severity/Significance
The communities with the highest rates of hospital admissions for chronic heart failure are: Lindenwald and Glendale, compared to the southwest Ohio overall rate. (OHA)

#### Outcomes to Evaluate Progress
TBD — No Healthy People goal.

#### Community Capacity
Heart Failure Clinic

### *COPD*

#### Size of Population
Not available

#### Severity/Significance
In the Fairfield service area, the communities with the highest rates of hospital admissions for Chronic Obstructive Pulmonary Disease are: Fairfield-Liberty Township, Millville-Rossville, and Lindenwald, compared to the southwest Ohio overall rate.

#### Outcomes to Evaluate Progress
TBD — No Healthy People goal.

#### Community Capacity
Mercy Fairfield COPD Clinic

## Hypertension

### Size of Population
Not available

### Severity/Significance
The communities with the highest rates of hospital admissions for hypertension are: Millville-Rossville, Fairfield-Indian Springs, Lindenwald, and Glendale, compared to the southwest Ohio overall rate.

### Outcomes to Evaluate Progress
Increase the proportion of adults who have had their blood pressure measured within the preceding 2 years to 92.6%. Reduce the proportion of adults with hypertension to 26.9%. (Healthy People, HP 2020)

### Community Capacity
TBD

## Mental Health Including Substance Abuse

### Size of Population
25% of American adults suffer from a diagnosable mental disorder in a year. Serious mental illness affects ~6% of American adults (Health Policy Institute of Ohio, HPIO). 7% of Americans have a substance dependence or abuse disorder (Mental Health Advocacy Coalition, MHAC).

### Severity/Significance
Access to mental health services is a challenge for people who do not live near Hamilton and Middletown. The Mental Health Provider Ratio is 3137:1 (compared to Ohio's ratio of 2501:1, 2012 OCHR). The Hamilton County suburbs have an increase in the percentage of adults who reported a diagnosis of depression. The suicide rate in Hamilton County is 10.8 per 100,000, and it is 12.6 in Butler County (Ohio is 11.3; U.S. rate is 11.4). *Substance Abuse:* Butler County ranks 49th out of 88 Ohio Counties for Alcohol Use. 19% of adults reported binge drinking in prior 30 days, compared to national rate of 15%. In Ohio, unintentional drug poisoning is the leading cause of accidental death, surpassing car accidents and suicides. Opioids were involved in more than 37% of unintentional drug poisoning deaths in Ohio in 2007. From 1999 to 2007, Ohio's death rates due to unintentional drug poisonings increased more than 300%, due largely to prescription drug overdoses (ODH). More than 3.6 people die each day in Ohio due to drug-related poisoning (OHA).

### Outcomes to Evaluate Progress
Reduce the proportion of adults who experience major depressive episodes (MDE) to 6.1%. Increase the proportion of adults with mental disorders, or serious mental illness, who receive treatment to 64.6%. Increase the proportion of persons with co-occurring substance abuse and mental disorders who receive treatment for both disorders to 3.3%. Increase the proportion of primary care physician office visits that screen adults aged 19 years and older for depression to 2.4%.

### Community Capacity
In Butler County, there is a particular need for inpatient detox units and services for families. Existing service providers include: Butler Behavioral Health Services; Catholic Charities; Children's Diagnostic Center Mental Health Services; Community Behavioral Health; Community Counseling & Crisis Center; Forensic & Mental Health Services; LifeSpan; St. Aloysius Orphanage; St. Joseph Orphanage; Talbert House Union Day School; Transitional Living; YWCA of Hamilton Residence Program.

## Obesity

### Size of Population
32% of the adult population is obese (2012 OCHR).

### Severity/Significance
In Butler, Clinton, Warren Counties — 33.4% of adults are obese compared to region's 30.9% and nation's 27.6%. In Butler County, obesity in 3rd grades is at 40.1% obese compared to 34.7% benchmark. Butler County ranks 39th out of 88 Ohio counties in Diet and Exercise (2012 OCHR).

### Outcomes to Evaluate Progress
Obesity rate for region is 30.9% and nation's rate is 27.6%; overweight/ obese for the region is 64.2%. Increase the proportion of primary care physicians who regularly measure the body mass index of adult patients to 53.6% and to 54.7% for child/teen patients. Reduce the proportion of adults who are obese to 30.6%. Reduce the proportion of children and adolescents who are considered obese to 9.6%. (HP 2020)

### Community Capacity
Healthy Weight Solutions and, for children, initiatives at Cincinnati Children's Hospital Medical Center.

## Tuberculosis

### Size of Population

1 case per 100,000 in 2011; 4 cases in 2010; and 3 cases in 2009. (ODH)

### Severity/Significance

In Butler County, the rate of tuberculosis has been higher in past years than the Healthy People 2020 goal.

### Outcomes to Evaluate Progress

Reduce the number of new cases of TB to 1.0 per 100,000 (HP 2020).

### Community Capacity

Butler County Health Department's Tuberculosis Prevention and Control Program

The following methodology was used to prioritize the health care needs identified in the assessment. This approach provides a bridge from the assessment findings to the development of the implementation plan.

# From Needs Assessment To Priorities

This process involves the scoring of each identified health need based on selected key criteria. Each criterion will also be assigned a weight based on its relative importance in relation to the other key criteria. This scoring method creates a rank order among the identified health needs. The key criteria and scoring method are outlined below.

### 1. Key Criteria and Scoring Definitions

Key criteria are those measures that best assess the breadth and depth of the impact of the identified health need on the community. These should be limited to the vital few (3 or 4). Key criteria would be scored on a scale of 1 to 5. Key criteria and scoring definitions are as follows:

#### *Size of population affected*

Based on the total population and/or that of an identified cohort in the defined service area for the health needs survey, assess what percent of the community is affected by the identified need.

- 5 = ≥ 20% of the population is affected
- 4 = 15% to 19%
- 3 = 10% to 14%
- 2 = 5% to 9%
- 1 = < 5%

#### *Severity of the health need identified*

Degree to which the need causes long-term illness; produces an above average mortality rate; an above average hospitalization rate; has public health implications (These are the ideal measures of severity, but comparable data was not available for all conditions.)

- 5 = Very serious — direct connection to long-term illness and/or other co-morbidity; high mortality; presents a public health issue
- 4 = Serious — indirect link to serious conditions
- 3 = Somewhat serious — can become widespread if not arrested, e.g., lack of vaccinations among children
- 2 = Not very serious — causes illness but no long-term or widespread impact
- 1 = Not a serious health condition

#### *Ability to evaluate outcomes*

For any intervention appropriate to the health need, what is the ability to evaluate outcomes? Data availability, benchmarks, tracking of trends, service counts, etc., would be part of the appraisal.

- 5 = Excellent ability
- 4 = Good ability — baseline available with some on-going evaluations
- 3 = Some ability — baseline available
- 2 = Little ability — mostly qualitative/primarily perceptions/anecdotal
- 1 = No ability

#### *Current community capacity to address the health care need*

The number of agencies, groups, associations, etc., that offer services for the identified health need. Scoring scale would be reversed as the "highest" score would be assigned to the condition where there is no capacity to address the health care need. The fewer the number of groups, etc. the higher the number.

- 5 = Not currently addressed
- 4 = Need is addressed by efforts outside the community
- 3 = A few independent efforts address the need
- 2 = Community efforts address the need — mostly uncoordinated
- 1 = Community has a well-coordinated approach in place

### 2. Weights

Although all the criteria are important, not all criteria are of equal importance, e.g., size of the population affected is more important than ability to evaluate outcomes. Assigning weights to each criterion in the evaluative set allows for a more meaningful ranking among the health needs. The Catholic Health Partners' CHNA Collaborative assigned weights for each of the selected key criteria. Weights are determined by a forced ranking based on the number of items in the data set.

- Size of population weight = 4
- Severity of health need = 3
- Outcomes data = *2*
- Community capacity = 1

### 3. Priority Scores

There was one meeting of an ad hoc committee that included hospital representatives and community leaders. They rated each health need based on the key criteria. Health needs were listed in alphabetical order on the initial worksheet provided to this committee. The chart below illustrates how a single member's evaluation would be computed.

*Example*

| Health Need | Size of Population Affected | Severity of Problem | Ability to Evaluate Outcomes | Community Capacity to Address | TOTAL SCORE |
|---|---|---|---|---|---|
| Access to Care | 3 | 5 | 5 | *2* | 15 |
| Obesity | 5 | 4 | 4 | 3 | 16 |

For each of the needs ranked, the scores assigned by each individual will be aggregated into a composite score on each criterion. All scores from the taskforce would be computed before the weights are applied. The chart provides an example of how the final priority score would be calculated based on 10 evaluations with mixed scores (Assumes half the group scored the variable like the above illustration and the other half was one rating lower):

*Example*

| Health Need | Size of Population Affected (Wgt. = 4) | Severity of Problem (Wgt. = 3) | Ability to Evaluate Outcomes (Wgt. = *2*) | Community Capacity to Address (Wgt. = 1) | Priority Score |
|---|---|---|---|---|---|
| Access to Care | 25x4=100 | 45x3=135 | 45x2=90 | 15x1=15 | 340 |
| Obesity | 45x4=180 | 35x3=105 | 35x2=70 | 25x1=25 | 380 |

### 4. Scoring Participants:

Mark Wendling, Assistant City Manager, City of Fairfield; Kert Radel, President/CEO, Fairfield Chamber of Commerce; Scott Ellsworth, Vice President, North American Operations, Tipco Punch, Hamilton, Ohio; Tom Urban, President and Market Leader; Sr. Sharon Weidmar, Mission Director; John Kennedy, MD, Vice President, Medical Affairs; Pat Davis-Hagens, Chief Nursing Officer; Greg Ossmann, Director of Development & Community Relations; Michael Kramer, Vice President, Planning; Richard Perry, Regional Director Business Intelligence and Analytics; Jeffry Armada, Administrative Fellow, Catholic Health Partners – Mercy Health. The scoring session was facilitated by Gwen Finegan, Regional Director, Community Outreach. None of the people scoring were previously interviewed as key stakeholders, and none had participated in a focus group.

### 5. Duration and number of meetings:

One (1) meeting on October 4, 2012 from 9 am to 11 am.

### 6. Time period for prioritization process:

Time period for prioritization process: The additional data was compiled into worksheets in July, August, and September 2012. Scoring occurred in October, and reporting to the board committee occurred on March 28, 2013. The final assessment report will be completed and published in 2013.

Based on all of the above information and processes considered, below is the complete list of the health needs identified in the community, and the top priorities were identified as: Obesity; Mental Health including Substance Abuse; Heart Disease; Access to Care; Diabetes; and Cancer.

*Results of Scoring Session with Community Leaders on October 4, 2012*

| Health Need | Size of Population Affected | Wgt. Score | Severity of Problem | Wgt. Score | Ability to Evaluate Outcomes | Wgt. Score | Community Capacity to Address | Wgt. Score | Priority Score |
|---|---|---|---|---|---|---|---|---|---|
| Obesity | 53 | 212 | 54 | 162 | 37 | 74 | 36 | 36 | 484 |
| Mental Health including Substance Abuse | 51 | 204 | 52 | 156 | 34 | 68 | 40.5 | 40.5 | 468.5 |
| Heart Disease | 47 | 188 | 51 | 153 | 41 | 82 | 25 | 25 | 448 |
| Access to Care | 47.5 | 190 | 38 | 114 | 39 | 78 | 28 | 28 | 410 |
| Diabetes | 37 | 148 | 49 | 147 | 40 | 80 | 32 | 32 | 407 |
| Cancer | 40 | 160 | 46 | 138 | 39 | 78 | 30 | 30 | 406 |
| Dental Health | 45 | 180 | 36 | 108 | 30 | 60 | 39 | 39 | 387 |
| Vulnerable Populations | 37 | 148 | 39 | 117 | 25 | 50 | 34 | 34 | 349 |
| Hypertension | 34 | 136 | 39 | 117 | 33 | 66 | 30 | 30 | 349 |
| Chronic Heart Failure | 30 | 120 | 43 | 129 | 31 | 62 | 29 | 29 | 340 |
| COPD | 26 | 104 | 38 | 114 | 33 | 66 | 27 | 27 | 311 |
| Safety from Harm | 25 | 100 | 31 | 93 | 30 | 60 | 29 | 29 | 282 |
| Infant Mortality | 19 | 76 | 27 | 81 | 39 | 78 | 29 | 29 | 264 |
| Tuberculosis | 14 | 56 | 22 | 66 | 31 | 62 | 24 | 24 | 208 |

The hospital's Implementation Plan will detail the specific responses, resources, partners, and timetable (starting 1/1/2014) to address the prioritized needs. The desired outcomes and benchmarks for success will be consistent with external references such as the United Way "Bold Goal" for health, Aligning Forces For Quality targets, and Healthy People goals.

## *Collaborating Partners*

*(IRS Notice 2011-52 Section 3.03 (2))*

**The Hospital collaborated with the following partners/funders as part of the process of conducting the needs assessment:**

*Non-funding partners identified with an asterisk

Greater Cincinnati Health Council
# 100 2100 Sherman Ave, Cincinnati, OH 45212-2775

United Way of Greater Cincinnati
2400 Reading Road, Cincinnati, OH 45202-1478

Greater Cincinnati Foundation
200 West Fourth Street, Cincinnati, OH 45202-2775

Hamilton County Public Health
250 William Howard Taft, 2nd Floor, Cincinnati, OH 45219

Middletown Health Department
One Donham Plaza, Middletown, OH 45042-1901

Highland County Health Department
1487 North High Street # 400, Hillsboro, OH 45133-8496

Adams County Regional Medical Center
19262 Ohio 136, Winchester, OH 45697

Atrium Medical Center
One Medical Center Drive, Middletown, OH 45005

Cincinnati Children's Hospital Medical Center
Innovations* 629 Oak Street, Suite 200, MLC 8700
Cincinnati, OH 45206

Dearborn County Hospital
600 Wilson Creek Road, Lawrenceburg, IN 47025

Fort Hamilton Hospital
630 Eaton Avenue, Hamilton, OH 45013

The Cincinnati USA Regional Chamber*
441 Vine Street, Suite 300, Carew Tower
Cincinnati, OH 45202

Health Care Access Now
8790 Governor's Hill Drive, Suite 200
Cincinnati, OH 45249

Health Foundation of Greater Cincinnati*
3805 Edwards Road, Suite 500, Cincinnati, OH 45209-1948

HealthLandscape*
3805 Edwards Road, Suite 500, Cincinnati, OH 45209

Lindner Center of HOPE
4075 Old Western Row Road, Mason, OH 45040

Margaret Mary Community Hospital
206 State Road 129 South, Batesville, IN 47006-7694

McCullough-Hyde Memorial Hospital
110 North Poplar Street, Oxford, OH 45056

Mercy Health
4600 McAuley Place, Cincinnati, OH 45242

TriHealth
619 Oak Street, Cincinnati, OH 45206

UC Health
3200 Burnet Avenue, Cincinnati, OH 45229

United Way of Northern Kentucky*
11 Shelby Street, Florence, KY 41042

University of Cincinnati Action Research Center*
College of Education, Criminal Justice, and Human Services, 51 Goodman Drive, Suite 530
Cincinnati, OH 45221

**The Hospital contracted with the following third party to assist it in conducting the needs assessment:**

Health Care Access Now
7162 Reading Road, Suite 1120, Cincinnati, OH 45237

A nonprofit organization formed in 2008 to build partnerships among the Greater Cincinnati health care and social service providers that will increase access to care and improve the overall health status of area residents in a cost-effective way.