

HSHS St. Joseph's Hospital, Breese

Community Health Needs

Assessment Report

A Collaborative Approach to Impacting Population Health
in Clinton County



March 2015

St. Joseph's Hospital, Breese is an affiliate of Hospital Sisters Health System, a multi-institutional health care system comprised of 14 hospitals and an integrated physician network serving communities throughout Illinois and Wisconsin.

Table of Contents

Executive Summary

I. Introduction	4
Background	4
Community Health Needs Assessment Population	5
Clinton County Demographics	5 - 7
II. Establishing the CHNA Infrastructure and Partnerships	8
III. Defining the Purpose and Scope	9
IV. Data Collection and Analysis	9
a. Description of Process and Methods Used	9
b. Description of Data Sources	9 - 12
V. Identification and Prioritization of Needs	13
VI. Description of the Community Health Needs Identified	14
a. Access to Medical Care (Affordability & Transportation)	
b. Access to Mental Health	
c. Chronic Disease Management (Cancer, Cardiovascular Health, & Diabetes)	
VII. Description of Resources Available to Meet Identified Needs	15
VIII. Documenting and Communicating Results	15
IX. References	16 – 17
Appendix A – Asset Analysis	18 - 21

Executive Summary

Background

Provisions in the Affordable Care Act (ACA) require charitable hospitals to conduct a Community Health Needs Assessment (CHNA) and adopt implementation strategies to meet the needs identified through the CHNA. The CHNA is a systematic process involving the community to identify and analyze community health needs as well as community assets and resources in order to plan and act upon priority community health needs. This assessment process results in a CHNA Report which is used to plan, implement, and evaluate Community Benefit activities. Once the CHNA Report is completed, a set of implementation strategies is developed based on the evidence and assets and resources identified in the CHNA process.

Every three years, affiliates of Hospital Sisters Health System, including St. Joseph's Hospital, Breese, are required to conduct a CHNA and to adopt an Implementation Plan by an authorized body of the hospital in the same taxable year, and make the report widely available to the public. The hospital's previous CHNA Report and Implementation Plan was conducted and adopted in FY2012. In addition, the hospital completes an IRS Schedule H (Form 990) annually to provide information on the activities and policies of, and Community Benefit provided by the hospital.

To comply with these requirements, St. Joseph's Hospital led a collaborative approach in conducting its CHNA in partnership with representatives from the community. Upon completion of the CHNA, the hospital will develop a set of implementation strategies and adopted an Implementation Plan to address priority community health needs. The population assessed was Clinton County.

Data collected throughout the assessment process was supplemented with a community asset review, which also included an assessment of the local public health system; qualitative data gathered through the Clinton County Health Improvement Coalition that includes broad community member representation; and a community survey.

Identification and Prioritization of Needs: The following health needs were identified based on scope, severity, and burden; health disparities associated with the need; the importance the community places on addressing the health need; the hospital and community assets and resources available to address the health need; and local expertise and input:

- * **Access to Medical Care (Affordability & Transportation)**
- * **Mental Health**
- * **Chronic Diseases (Cancer, Cardiovascular Health, Diabetes)**

To identify these top community health priorities, a prioritization matrix was used. Based on the above criteria, Community Benefit Team members scored each health need identified. A scale of 0 to 3 was used with 0 having no significance and 3 having the highest ranking.

Implementation Plan Development: As part of the engagement process with key stakeholders, attention will be given to natural partnerships and collaborations that will be used to

operationalize an Implementation Plan. The Implementation Plan is considered a “living document” – a set of strategies that can be adapted to the lessons learned while implementing Community Benefit programs and services relevant to the priority needs. The broader set of community health needs will continue to be monitored for consideration as future focus areas.

I. Introduction

Background

HSHS St. Joseph’s Hospital, Breese is a not-for-profit hospital serving predominantly Clinton County, Illinois. Located in south central Illinois, the hospital is the sole acute care hospital in the county. With hospitals located in two adjacent counties not providing obstetrics services, St. Joseph’s Hospital serves a larger market area for women and infant’s services and includes the counties of Bond, Madison, Washington, and Marion.

Current Hospital Services and Assets

Hospital Services	Statistics	New Services & Facilities
<ul style="list-style-type: none"> • Acute Care Hospital • Level II - Nursery • Level III - Emergency Department • Immediate Care 365 – Walk-in clinics in two county locations: Carlyle & New Baden 	<p>Based on last fiscal year:</p> <ul style="list-style-type: none"> • Total Beds: 70 • Total Colleagues: 321 • Bedside RNs: 99 • Inpatient admissions: 1,308 • ED visits: 8,063 • Births: 525 • Inpatient surgeries: 385 • Outpatient surgeries: 3,184 • Total Case Mix Index: 1.1 • Physicians on Medical Staff: 114 • Volunteers: 390 active • Community Benefit: \$3.9 million 	<p>New Services & Facilities developed in past 3 fiscal years - 2013, 2014, & 2015:</p> <ul style="list-style-type: none"> • Chemotherapy & additional oncology services • New Immediate Care 365 in New Baden, a walk-in clinic available 7 days week, 365 days a year. Located in a community 15 miles from the hospital. • Partnership with the Southwestern Illinois YMCA to manage wellness services at a hospital-owned exercise facility.

Recent Awards and Recognition

The Joint Commission	HealthGrades	Becker's Hospital Review	Other National Organizations
<ul style="list-style-type: none"> • Top Performer in Surgical Care • Top Performer for the Care of Patients with Pneumonia • Top Performer for Quality Measures 	<ul style="list-style-type: none"> • Patient Safety Excellence Award Past 2 Years • Outstanding Patient Experience Award – Past 6 Years 	<ul style="list-style-type: none"> • One of 25 Hospitals with the Highest Value-Based Purchasing Score in the Nation • One of 100 Great Community Hospitals 	<ul style="list-style-type: none"> • American Diabetes Association – Education Recognition for Diabetes Self-Management Program • March of Dimes – Recognition for Reducing Elective Births Prior to 39 Weeks • Truven Health Analytics – 100 Top Hospital – 2014 & 2015 • Truven Health Analytics – Everest Award - 2014 & 2015

Community Health Needs Assessment Population

For the purpose of this CHNA, St. Joseph's Hospital defined its primary service area and populations as Clinton County. The hospital's patient population includes all who receive care without regard to insurance coverage or eligibility for assistance.

Demographics

St. Joseph's Hospital's service area is comprised of approximately 503 square miles with a population of approximately 37,760 residents and a population density of 75 people per square mile. The service area consists of the following cities and rural communities:

Cities	Villages
<ul style="list-style-type: none"> • Carlyle • Breese 	<ul style="list-style-type: none"> • Albers • Aviston

Cities	Villages
<ul style="list-style-type: none"> • Trenton • Centralia (partial) 	<ul style="list-style-type: none"> • Bartelso • Beckemeyer • Damiansville • Germantown • Hoffman • Huey • Keyesport • New Baden (partial)

Total Population Change, 2000 to 2010

According to the U.S. Census data, the population in the region rose from 35,535 to 37,762 between the year 2000 and 2010, a 6.21% increase.

Report Area	Total Population 2000 Census	Total Population 2010 Census	Total Population Change, 2000 – 2010	Percentage Population Change, 2000 – 2010
Clinton County	35,535	37,762	+2,227	+6.21%
Illinois	12,419,293	12,830,632	+411,339	+3.31%

Data Source: US Census Bureau, Decennial Census: 2000 to 2010. Source geography: County.

There were modest increases in the white and black populations in Clinton County between 2000 and 2010 (4.85% and 4.53% respectively). However, other groups saw much more substantial increases: Hispanics (85.61%), Asians (52.84%), and Native Hawaiians/Pacific Islanders (45.45%). However, those three groups combined still comprise less than 5% of the total county population.

Population by Age Groups

Population by gender was Male 51.7% and Female 48.3% and the region has the following population numbers by age groups:

Report Area	Total Population	Age 0 to 17	Age 18 to 24	Age 25 to 34	Age 35 to 44	Age 45 to 54	Age 55 to 64	Age 65+
Clinton County	37,762	8,572 (22.7%)	3,248 (8.6%)	5,022 (13.3%)	5,060 (13.4%)	6,042 (16.0%)	4,343 (11.5%)	5,475 (14.5%)
Illinois	12,830,632	3,130,674 (24.4%)	1,244,571 (9.7%)	1,770,627 (13.8%)	1,732,135 (13.5%)	1,873,272 (14.5%)	1,475,523 (11.5%)	1,603,829 (12.5%)

Data Source: US Census Bureau, Decennial Census: 2010. Source geography: County

Population without a High School Diploma (age 25 and older)

Within the report area there are 3,633 persons aged 25 and older without a high school diploma (or equivalent) or higher. This represents 14.17% of the total population. A further breakdown by age indicated 7.8% between ages 25 and 34 did not have a high school diploma; 6.6% ages 35 to 44; 6.3% ages 45 – 64 and 30.7 percent in the 65 years of age and older category. This indicator is relevant because educational attainment is linked to positive health outcomes.

Report Area	Population Age 25+	Population Age 25+ with no HS Diploma	% Population Age 25+ with no High School Diploma
Clinton County	25,642	3,633	14.17%
Illinois	8,459,947	1,108,253	13.10%

Note: This indicator is compared with the state average. Data Source: US Census Bureau, American Community Survey: 2008 to 2012. Source geography: Tract.

Population in Poverty (100% FPL and 200% FPL)

Poverty is considered a key driver of health status. Within the report area 7.7% or 2,759 individuals are living in households with income below the Federal Poverty Level (FPL). This is lower than the statewide poverty levels 13.7%). This indicator is relevant because poverty creates barriers to access including health services, nutritional food and other necessities that contribute to poor health status. Of note, the poverty rate among Hispanics in Clinton County was 9.8%

Report Area	Total Population	Population Below 100% FPL	Population Below 200% FPL
Clinton County	37,793	2,759 (7.7%)	7,917 (22.2%)
Illinois	12,823,860	1,710,465 (13.7%)	8,859,869 (30.8%)

Note: This indicator is compared with the state average. Data Source: US Census Bureau, American Community Survey: 2008 to 2012. Source geography: County.

Poor General Health

Within the report area, 13.1% of adults 18 and older report having poor or fair health in response to the question “Would you say that in general your health is excellent, very good, good, fair or poor?” The state rate is 15.4%. This indicator is relevant because it is a measure of general poor health status.

Report Area	Age-Adjusted Proportion of the Adult Population reporting poor or fair health
Clinton County	13.1%
Illinois	15.4%

Note: This indicator is compared with the state average. Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance Systems 2006 to 2012. Accessed using the Health Indicators Warehouse. Source geography: County.

II. Establishing the CHNA Infrastructure and Partnerships

St. Joseph's Hospital led the planning, implementation and completion of the Community Health Needs Assessment in partnership with the Clinton County Health Department and Clinton County Health Improvement Coalition.

Internal

St. Joseph's Hospital undertook a 6-month planning and implementation effort to develop the CHNA, identifying community health needs and prioritizing these needs for its service area. Participating in the process internally and serving as the Community Health Needs Assessment Steering Committee were members of the hospital's Community Benefit Team, which includes the President & Chief Executive Officer, Chief Nursing Officer, Directors of Finance, Business Development, Social Services, Development/Communication, and Community Benefit Team Leader. Throughout the process regular meetings were held to review institutional and external data collected. Researchers from SIU School of Medicine's Center for Clinical Research and Office of Community Health & Service were also engaged to provide quantitative and secondary data analysis. Members of the St. Joseph's Hospital's Board of Directors were presented the CHNA and provided their approval at their March 26, 2015 meeting.

External

St. Joseph's Hospital also collaborated through existing relationships that provided diverse input for a comprehensive review and analysis of community health needs in the hospital's service area. This was completed through the Clinton County Health Improvement Coalition. With the hospital's facilitation, the Clinton County Health Improvement Coalition was more formally organized in June of 2014. Originally developed by the Clinton County Health Department, the hospital and health department now jointly lead this community group. The Coalition's adopted purpose is to "collaborate with community partners to advance the health and quality of life for the residents of Clinton County through the assessment of needs and development of education and preventative initiatives".

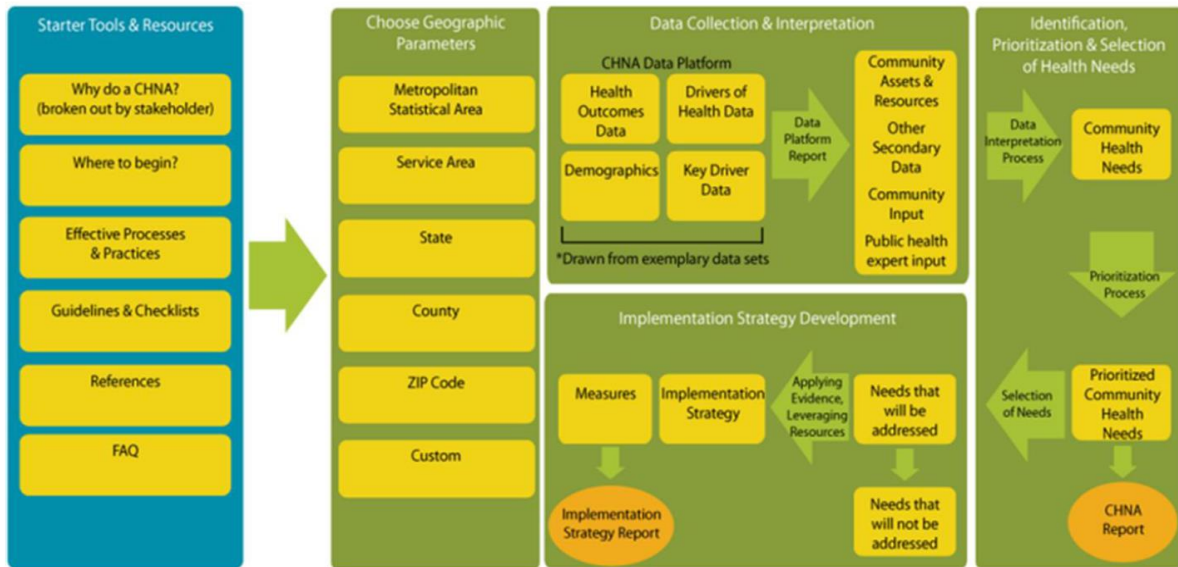
Clinton County residents were also asked for their input through a community survey. The survey tool was developed by the University of Illinois at Springfield's Survey Research Office. Community members were invited to take the survey online or through paper surveys available at libraries located throughout the county. To obtain input from seniors, surveys in paper form were available for pick-up and return at the three county senior centers. Surveys written in Spanish were also provided to a hospital medical interpreter and a representative of the Hispanic Ministry of Clinton County for distribution and collection.

III. Defining the Purpose and Scope

The purpose of the CHNA was to 1) evaluate current health needs of the hospital’s service area, and 2) identify resources and assets available to support initiatives to address the health priorities identified.

IV. Data Collection and Analysis

The overarching framework used to guide the CHNA planning and implementation is based on the Catholic Health Association’s (CHA) Community Commons CHNA flow chart below:



During the development of the CHNA the four assessments as defined in the MAPP framework were also used (Mobilizing for Action through Planning and Partnerships developed by the National Associations of County & City Health Officials). The four assessments included were:

- Community Health Status Assessment
- Community Themes & Strengths Assessment
- Forces of Change Assessment
- Local Public Health System Assessment

Description of Data Sources

These data sources were used to provide secondary data to help inform the CHNA steering committee about potential needs that St. Joseph’s Hospital could address in next three fiscal years.

Source	Description
US Census	National census data is collected by the US Census Bureau every 10 years. Additional subsets of census bureau data include the American Community Survey and the Small

	Area Health Insurance Estimates. These subsets are collected continuously and may be aggregated over multiple years to provide data at the county level (e.g. American Community Survey data is from 2008-2012).
Behavioral Risk Factor Surveillance System (BRFSS)	The BRFSS is the largest, continuously conducted telephone health survey in the world. It enables the Center for Disease Control and Prevention (CDC), state health departments and other health agencies to monitor modifiable risk factors for chronic diseases and other leading causes of death.
Feeding America	The Feeding America “Mapping the Meal Gap” provides a food insecurity measure that incorporates lack of access to enough food for an active, healthy life for all family members and limited/unavailability of foods with adequate nutrition.
Area Health Resource File	The Area Health Resource File draws from 50+ sources of county-level data related to demographics, healthcare professions, and hospital and healthcare facilities.
Center for Medicare and Medicaid Services	CMS (Medicare) administrative claims data includes measures on chronic condition prevalence, spending, and health care utilization from 2007-2011 at the county level.
Dartmouth Atlas of Health Care	The Dartmouth Atlas Project examines patterns of health care delivery and practice, namely utilizing Medicare data. Data from the Dartmouth Atlas Project are generally presented at the hospital referral region level, but the County Health Rankings were able to obtain a small subset of health indicators at the county level.
Illinois Department of Public Health IQUERY	This community health database facilitates queries of a variety of health behavior, substance use, and clinical care indicators.
USDA Food Environment Atlas	The Food Environment Atlas incorporates food environment factors, such as proximity to stores, food prices and assistance programs, and community characteristics that influence food choices and quality.
Uniform Crime Reporting-FBI	The Uniform Crime Reporting data from the FBI is a primary source of violent crime data (homicide, rape, robbery, and aggravated assault). For the purposes of this report, this

	data is extracted from County Health Rankings, where it is a socioeconomic indicator incorporated into the rankings.
Diabetes Interactive Atlas	This CDC data source graphically displays, at a county level, prevalence and trends of obesity, diabetes, and other related factors.
National Center for Health Statistics (NCHS)	SEER*stat is a cancer incidence and mortality statistical software program that has National Vital Statistics mortality data (from the National Center for Health Statistics) embedded within it, including cancer and other causes of mortality. Additionally, the NCHS provides vital statistic data related to births (e.g. teen births, low birth weights).
CDC Wonder	CDC Wonder is a query system that includes a variety of public health measures, including environmental, chronic disease, prevention, mortality, and population indicators.
National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention	This CDC organization provides data on incidence/prevalence of infectious disease.
Safe Drinking Water Information System (EPA)	The EPA is the primary source of data on the safety of drinking water. For the purposes of this report, this data is extracted from the County Health Rankings where it is noted as an environmental factor.
Illinois Youth Survey	The University of Illinois Center for Prevention Research and Development conducts continuous surveying of Illinois youth on social and health indicators.
Illinois DCFS	The Illinois Department of Child and Family Services has county level data on the prevalence of child abuse and neglect.
Pediatric Nutrition Surveillance (county level data provided by the Illinois Department of Public Health)	Data from the CDC on pediatric nutrition, health, and family behaviors among children under the age of 5 years old.
Health Indicators Warehouse	The Health Indicators Warehouse is a collaboration of multiple federal agencies and offices within the federal Department of Health and Human Services and provides national, state and community health indicators.
OneSource Global Business Browser (County Health Rankings)	The County Health Rankings used the One Source Global Business Browser and map files from ESRI, the US Census Bureau and other sources combined in ARCGIS software to

	determine the percent of a county's population that has access to locations for physical activity.
The National Center for Educational Statistics (NCES)	The NCES collects data and analyzes statistics related to American education, including the proportion of students who are eligible for the free lunch program.
Institute for Health Metrics and Evaluation (IHME)	The IHME created a county-based map displaying county-level prevalence of health behaviors (e.g. smoking) and outcomes (e.g. hypertension).
Illinois Gaming Board	Per St. Joseph's request, data on video gaming presence were extracted. The number of establishments identified between January and November of 2014 were used to create a density of video gaming establishments per 100,000 population. These were compared to the state density.

In addition to quantitative data sources, the hospital took into account input from persons who represent the broad interests of the community served by the hospital, including those with special knowledge of, or expertise in public health. Members of medically underserved, low-income and minority populations served by the hospital or individuals or organizations representing the interests of such populations also provided input. The medically underserved are members of a population who experience health disparities, are at risk of not receiving adequate medical care as a result of being uninsured or underinsured, and/or experiencing barriers to health care due to geographic, language, financial or other barriers.

Individuals and organizations were asked for their input through the Clinton County Health Improvement Coalition. Members of the Coalition were chosen based on their unique expertise and experience, informed perspectives and involvement with the community.

Clinton County Health Improvement	Area of Expertise
Albers, Janice	Public Health, Post-Secondary Education
Batchelor, Susan	Community College, Kaskaskia College
Broughton, Georgia	Community Resource Center, Centralia
Chavez, Heather	PAVE (People Against Violent Environment)
Evans, Paulette	Hospital Administration, CEO;
Garrett, Kerri	Regional Education Office
Gebke, Randy	Sanitation
Gent, Lisa	Carlyle Senior Center
Bird, Pam	SAFE (Sexual Assault & Family Emergencies)
Huelskamp, John	Developmentally Disabled, Community Link
Jacober, Caitlyn	YMCA
Knopp, Jennifer	Hoyleton Ministries
Kohnen, Deb	BCMw Community Services

Clinton County Health Improvement	Area of Expertise
Krohn, Kris	Clinton County Sheriff's Department
Lee, Cheryl	Public Health, Clinton County Health Department
Leonhardt, Helen	University of Illinois Extension
McAdoo, September	Emergency Medical Management
Poettker, Amber	Nurse Practitioner
Rapp, Robert	Hispanic Ministry Clinton County
Rittenhouse, Jan	Central Community High School
Strieker, Barb	Hospital Community Benefit
Thole, Donna	Home Health, Celtic Home Health & Hospice
Wait, Lisa	Community Educator/Clinton County Cooperative Extension
Wiegmann, Janice	Hospital System Board Member/Educator – McKendree University

V. Identification and Prioritization of Needs

As part of the identification and prioritization of health needs, the internal Community Benefit Team considered the estimated feasibility and effectiveness of possible interventions by the hospital to impact health priorities. Prioritization was based on scope, severity, and burden; health disparities associated with the need; the importance the community places on addressing the health need; the hospital and community assets and resources available to address the health need; and local expertise and input.

Based on the CHNA planning and development process described, the following priority community health needs were identified:

- 1. Access to Medical Care (Affordability & Transportation)**
- 2. Access to Mental Health**
- 3. Chronic Disease Management (Cancer, Cardiovascular Health, & Diabetes)**

As an outcome of the prioritization process, the following community health needs were also identified and will not be addressed directly by the hospital for the reasons indicated:

- Addictions (alcohol, smoking drugs, gaming, & food) – Through the prioritization process, this community health need was rated low specifically in the hospital's ability to impact the issue and the community's readiness. There also continues to be other external resources available. The local school systems provide students education about making healthy choices, and Hoyleton Ministries has organized the "Communities that Care Coalition" to specifically target teen drug and alcohol abuse. Chapters of Alcohol Anonymous are available, and the Clinton County Health Department promotes the Illinois Tobacco Quitline for those that want to discontinue their use of tobacco products.

- Dental Care – Based on the number of providers compared to Clinton County’s population, additional providers of dental care needed. Few of the current providers accept the public insurance provided to the disadvantaged and low income populations. With other health needs prioritized higher, dental care will not be a focus area for the hospital. A dental clinic is operated through the health department in an adjacent county and available to Clinton County residents as appointment times permit. The hospital will be supportive as resources allow should the Clinton County Health Department adopt this as a focus area in their upcoming needs assessment and implementation strategy.
- Prevention of Illness & Disease (Health, Exercise, & Nutrition) – St. Joseph’s Hospital will continue to offer health education and nutrition information pertaining to chronic disease prevention and management. Exercise programs through the YMCA’s partnership with the hospital will also continue at the hospital’s on-site exercise facility. The Clinton County Health Improvement Coalition has identified prevention of illness & disease as their main focus. As an organizing member of the Coalition, the hospital will be involved and supportive of the Coalition’s lead on health and wellness initiatives.

VI. Description of Community Health Needs

1. Access to Medical Care (Affordability & Transportation) –Based on the Illinois Behavioral Risk Factors Surveillance System survey (2007 – 2009), more than 90% of residents in Clinton County indicated they had a usual source of care, compared to 84.4% of residents statewide. However, the service area of St. Joseph’s Hospital, Breese continues to be designated a health care professional shortage area.

A smaller percentage of residents in Clinton County (6.9%) are uninsured compared to the state rate (12.9%). More than a fourth of all St. Joseph’s service area residents are publicly insured. Although the number of uninsured is better than the state rate, residents are not receiving recommended cancer screenings and using the emergency room for non-emergent issues.

Barriers identified include affordability due to high insurance plan deductibles. Through feedback received from the service area’s minority Hispanic community, affordability was identified as their number one barrier to health care services. Affordability and availability of non-emergency medical transportation has also been identified as a barrier among input received from health care providers.

2. Mental Health Services – Individuals in Clinton County have less access to mental health providers compared to the state as a whole. The ratio of population to mental health providers in Clinton County is 9,515:1 compared to the state ratio of 844:1.

Although data indicated that rates of depression and suicide in Clinton County are not notably elevated above the state rate, a higher proportion of Clinton County residents engage in excessive drinking (23%) compared to the state rate (20%). However,

regardless of the need for mental health services to address various mental health conditions or risky behaviors that can lead to mental health conditions, the lack of access to mental health providers is a community health need to ensure Clinton County residents have access to appropriate care.

3. Chronic Disease Management (Cancer, Cardiovascular Health & Diabetes) – The leading cause of mortality in Clinton County for 2011 was diseases of the heart followed by cancer, which has remained below Healthy People 2020 goals for the most recent 4-year period of data. Colorectal cancer mortality was most significant and also exceeded the state rate for both genders. Mortality from lung cancer among males was also higher than the state rate.

VII. Description of Resources Available to Meet Priority Health Needs

The Breese medical community consists of St. Joseph's Hospital, Breese and six physician practices, which includes 16 primary care physicians. A complete listing can be found in Appendix A. Other community organizations and governmental agencies that provide resources to meet the community's health needs are also included in Appendix A.

VIII. Documenting and Communicating Results

This CHNA Report and Implementation Plan are available to the community on the hospital's public website: www.stjoebreese.com. To obtain a hard copy, please contact Administration at (618) 526-5302.

The hospital will also provide in its annual IRS Schedule H (Form 990) the URL of the web page on which it has made the CHNA Report and Implementation Plan widely available to the public as well as a description of the actions taken during the taxable year to address the significant health needs identified through its most recent CHNA as well as the health indicators that it did not address and why.

Next Steps

St. Joseph's Hospital will consider existing partnerships and community resources to consider strategic efforts to address identified community health needs that can be monitored, evaluated and improved upon over time with lessons learned from the field and evidence-based best practices. Over the next several months, we will review what current efforts by St. Joseph's Hospital and community partners are having, or have the highest potential, for the most impact on improving related health indicators. We will review how our Community Benefit programs and activities are being monitored, success indicators being tracked and what accountability measures are in place. This analysis will be done in a collaborative manner with respective partners with the intent to identify new and current resources that can be better integrated and deployed to maximize positive impact on population health.

IX. References

These data sources were used to provide secondary data to help inform the CHNA steering committee about potential needs that St. Joseph's Hospital could address in next three fiscal years.

U.S. Census Bureau; generated by Whitney Zahnd; using American FactFinder; <<http://factfinder2.census.gov>>; Accessed on 27 October 2014.

Illinois Department of Public Health Behavioral Risk Factor Surveillance System (BRFSS) (2013) BRFSS Stratification for Data Analysis Accessed from <http://app.idph.state.il.us/brfss/stratamap.asp>. Updated August 2013. Accessed 27 October 2014.

Gundersen, C., E. Engelhard, A. Satoh, & E. Waxman. Map the Meal Gap 2014: Food Insecurity and Child Food Insecurity Estimates at the County Level. Feeding America, 2014.

Area Health Resources Files (AHRF). 2013-2014. US Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Workforce, Rockville, MD.

Centers for Medicare & Medicaid Services. Medicare Geographic Variation Public Use File. Accessed from http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Geographic-Variation/GV_PUF.html Updated June 2013. Accessed on 25 April 2014.

Illinois Department of Public Health. IQUERY. Accessed from <http://iquery.illinois.gov/iquery/.on> 27 October 2014.

United States Department of Agriculture. Food Environment Atlas. Accessed from <http://www.ers.usda.gov/data-products/food-environment-atlas.aspx#.VCXa3RAXM4c> Updated 14 May 2014. Accessed on 27 October 2014.

Center for Disease Control and Prevention. Diabetes Interactive Atlas. Accessed from <http://www.cdc.gov/diabetes/atlas/countydata/atlas.html>. Accessed 27 October 2014.

Garner K, Shen T. Illinois State Cancer Incidence Review and Update, 1986-2011. Epidemiologic Report Series 14:05. Springfield, Ill.: Illinois Department of Public Health, April 2014.

Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Mortality - All COD, Aggregated With State, Total U.S. (1969-2011) <Katrina/Rita Population Adjustment>, National Cancer Institute, DCCPS, Surveillance Research Program, Surveillance Systems Branch, released April 2014. Underlying mortality data provided by NCHS (www.cdc.gov/nchs).

Center for Disease Control and Prevention. CDC Wonder. Accessed from <http://wonder.cdc.gov/>. on 27 October 2014. Updated 4 November 2014.

Center for Disease Control and Prevention. National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. Accessed from <http://www.cdc.gov/NCHHSTP/Atlas/>. Accessed on 27 October 2014.

University of Illinois Center for Prevention Research and Development. Illinois Youth Survey County Reports. Accessed from <http://iys.cprd.illinois.edu/home/results/county>. Accessed on 27 October 2014.

Illinois Department of Child and Family Services. Child Abuse and Neglect Statistics Fiscal Year 2012. Accessed from http://www.state.il.us/dcf/docs/DCFS_Annual_Statistical_Report_FY2012.pdf.

National Center for Health Statistics. Health Indicators Warehouse. Accessed from <http://www.healthindicators.gov/>. Accessed on 27 October 2014.

National Center for Education Statistics. Common Core of Data. Accessed from <http://nces.ed.gov/ccd/bat/>. Accessed on 27 October 2014.

Institute of Health Metrics and Evaluation. US Health Map. Accessed from <http://vizhub.healthdata.org/us-health-map/>. Accessed on 27 October 2014.

University of Wisconsin Population Health Institute. *County Health Rankings* 2014. Accessible at www.countyhealthrankings.org.

Illinois Gaming Board. Video Gaming Revenue Reports. Accessible at <http://www.igb.illinois.gov/VideoReports.aspx> Accessed on 19 December 2014.

Support documentation on file and available upon request.

Appendix A
Asset Analysis for Clinton County

Name	Address	Phone Number
Hospitals		
St. Joseph's Hospital Includes 24-hour Emergency Room	9515 Holy Cross Lane Breese, IL 62230	(618) 526-4511
Immediate Care 365		
St. Joseph's Immediate Care 365	14505 State Rt. 127, Carlyle, IL 62231	(618) 594-4949
St. Joseph's Immediate Care 365	211 E. Hanover, New Baden, IL 62265	(618) 588-7000
Primary Care Physicians		
Beaty, Timothy, M.D.	9401 Holy Cross Lane, Breese, IL 62230	(618) 526-7271
Butalid, Alberto, M.D.	811 Fairfax Street, Carlyle, IL 62231	(618) 594-3025
Doll-Pollard, Anne, M.D.	9447 Holy Cross Lane, Breese, IL 62230	(618) 526-2209
Dothager, Christina, M.D.	9447 Holy Cross Lane, Breese, IL 62230	(618) 526-2209
Gagen, Erin, M.D.	411 E. Broadway, Trenton, IL 62293	(618) 224-7000
Garcia, Arnel, M.D.	409 E. Broadway, Trenton, IL 62293	(618) 224-7366
Gelly, Bonnie, M.D.	9447 Holy Cross Lane, Breese, IL 62230	(618) 526-2209
Gozia, Penny, M.D.	9447 Holy Cross Lane, Breese, IL 62230	(618) 526-2209
Klosterman, Brian, M.D.	9401 Holy Cross Lane, Breese, IL 62230	(618) 526-7271
McCleary, Mark, M.D.	9401 Holy Cross Lane, Breese, IL 62230	(618) 526-7271
Morra, Daniel, M.D.	9423 Holy Cross Lane, Breese, IL 62230	(618) 526-8850
Nash, Michael, M.D.	9401 Holy Cross Lane, Breese, IL 62230	(618) 526-7271
Neighbors, David, MD.	9341 Holy Cross Lane, Breese, IL 62230	(618) 526-2603
Rivera, Chris, M.D.	1110 Mulliken Street, Carlyle, IL	(618) 594-3614
Osborn, Jonathan, M.D.	9401 Holy Cross Lane, Breese, IL 62230	(618) 526-7271
Wells, James, D.O.	9459 Holy Cross Lane, Breese, IL 62230	(618) 526-2555
Physician Specialists		
Aliperti, Dr. Giuseppe (Gastroenterology)	Physicians hold clinics periodically during the month in the St. Joseph's Hospital, Specialty Clinic at 9515 Holy Cross Lane, Breese, IL 62230	For further information contact: (618) 526-5381
Bashir, I, M.D. (Nephrologist)		
Bassman, Dr. Donald (Orthopedics)		
Burger, Dr. Stephen (Neurology)		
Dhillon, Rahul (Gastroenterology)		
Dothager, Dr. Douglas		

Name	Address	Phone Number
(Pulmonology)		
Fierstein, Dr. Jeffrey (ENT)		
Finlay, Dr. David (Vascular Surgery)		
Hu, Dr. Ruo-Qu (Nephrologist)		
Lewis, Nichole (Gastroenterology)		
Manalo, Jane, M.D. (Oncology/Hematology)		
Mohan, Dr. Ventrapragada (Pulmonary)		
Moosa, Hans (Vascular Surgery)		
Nordlicht, Dr. Scott (Cardiology)		
Prairie Heart Cardiology		
Rodriguez, Dr. Guillermo (Oncology)		
Shah, Prashant (ENT)		
Sylvanovich, Richard (Gastroenterology)		
Yang, Kui, M.D. (Pain Management)		
General Surgery		
Knolhoff, Joshua, M.D.	9409 Holy Cross Lane, Breese, IL 62230	(618) 526-8430
Rivera, Renato, M.D	9515 Holy Cross Lane, Breese, IL 62230	(618) 526-7133
Ruff, Timothy, M.D.	9409 Holy Cross Lane, Breese, IL 62230	(618) 526-8430
Podiatry		
Kee, David, DPM	9401 Holy Cross Lane, Breese, IL 62230	(618) 526-7154
Dermatology		
Ducomb, Deanna, M.D.	1210 Jefferson Street, Carlyle, IL 62231	(618) 594-2454
Urology		
Katsikas, Dr. Demetrios	Jamestown Road, Breese, IL 62230	(618) 288-0900
Mental Health/Counseling		
Arbaugh, Dr. Scott	St. Joseph's Hospital Senior Renewal Breese, IL 62230	(618) 526-5799

Name	Address	Phone Number
Community Resources Center	904 Martin Luther King Drove, Centralia, IL 62801	(618) 533-1391
Kittenstein, Christina	Cornerstone Counseling, Physician's Medical Office Building, Breese, IL 62230	(618) 979-7301
Schrage, Lucy	Creative Solutions Counseling – 9515 Holy Cross Lane; Breese, IL 62230	(618) 980-5028
Health Department		
Clinton County Health Department	930 A. Fairfax, Carlyle, IL 62231	(618) 594-2723
Dentists		
Breese Dental Care	111 N. Main Street, Breese, IL 62230	(618) 526-2020
Breese Dental Group	9437 Holy Cross Lane, Breese, IL 62230	(618) 526-4233
Hyten, Robert, DMD	651 9 th Street, Carlyle, IL 62231	(618) 594-4288
Kellough, Ronald, DMD	702 Church Street, Germantown, IL 62245	(618) 523-4251
Koentz, William, DMD	9 N First Street, New Baden, IL 62265	(618) 588-3592
Stone, Steven, DDS	20 S. Main Street, Trenton, IL 62293	(618) 224-9423
Trenton Dental Group	118 N. Oak, Trenton, IL 62293	(618) 224-7129
Wessol, S. D., DDS	350 8 th Street, Carlyle, IL 62231	(618) 594-3361
Whips, J. Franklin, DMD	702 Church Street, Germantown, IL 62245	(618) 523-4204
Ambulance Services/Medical Transport		
Breese Ambulance Service	290 N. Clinton, Breese, IL 62230	(618) 526-4455
Medstar Ambulance	Carlyle, IL 62231	(618) 594-2378
Sugar Creek Ambulance Service	Trenton, IL 62293	(618) 224-9221
Nursing Homes/Assisted Living Facilities		
Aviston Countryside Manor	450 W. First Street, Aviston, IL 62216	(618) 228-7615
Breese Nursing Home	N. First Street, Breese, IL 62230	(618) 526-4521
Carlyle Healthcare Center	501 Clinton Street, Carlyle, IL 62231	(618) 594-3112
Clinton Manor Living Center	111 E. Illinois Street, New Baden, IL 62265	(618) 588-4924
Legacy Place	13887 Progress Drive, Breese, IL 62230	(618) 526-9600
Trenton Village - Assisted Living	980 E. Broadway, Trenton, IL 62293	(618) 224-9465
Villa Catherine	491 Clinton Street, Carlyle, IL 62231	(618) 594-8363
Villas at St. James – Assisted Living	14335 Jamestown Road, Breese, IL 62230	(618) 526-0100
Home Health Agencies		

Name	Address	Phone Number
Celtic Hospice/Home Health	14017 Jamestown Road, Breese, IL 62230	(800) 862-3644
HSHS Home Care Southern Illinois	701 West Temple Ave, Effingham, IL 62401	(217) 347-1777
Mederi Home Health Care	14335 Jamestown Road, Breese, IL 62230	(618) 526-8899