

## Annual Non Profit Hospital Community Benefits Plan Report

Name of Hospital Reporting: Carle Foundation Hospital

Mailing Address: 611 W Park Street Urbana, Illinois 61801  
(Street Address/P.O. Box) (City, State, Zip)

Physical Address (if different than mailing address):

(Street Address/P.O. Box) (City, State, Zip)

Reporting Period: 01 / 01 / 2024 through 12 / 31 / 2024 Taxpayer Number: 37-1119538  
Month Day Year Month Day Year

If part of a health system, list the other Illinois hospitals included in the health system (Note: A separate report must be filed for each Hosp).

Hospital Name

Address

FEIN #


1. **ATTACH Mission Statement:**

Attachment 1

The reporting entity must provide an organizational mission statement that identifies the hospital's commitment to serving the health care needs of the community and the date it was adopted.

2. **ATTACH Community Benefits Plan:**

Attachment 2

The reporting entity must provide its most recent Community Benefits Plan and specify the date it was adopted. The plan should be an operational plan for serving health care needs of the community. The plan must:

1. Set out goals and objectives for providing community benefits including charity care and government-sponsored indigent health care.
2. Identify the populations and communities served by the hospital.
3. Disclose health care needs that were considered in developing the plan.

3. **REPORT Charity Care:**

Attachment 3

Charity care is care for which the provider does not expect to receive payment from the patient or a third-party payer. Charity care does not include bad debt. In reporting charity care, the reporting entity must report the actual cost of services provided, based on the total cost to charge ratio derived from the hospital's Medicare cost report (CMS 2552-96 Worksheet C, Part 1, PPS Inpatient Ratios), not the charges for the services.

Charity Care. .... \$ 18,057,494

**ATTACH Charity Care Policy:**

Reporting entity must attach a copy of its current charity care policy and specify the date it was adopted.

4. **REPORT Community Benefits** actually provided other than charity care.

Attachment 4

See instructions for completing Section 4 of Form AG-CBP-1 (Community Benefits Plan Annual Report Form For Not For Profit Hospital)

Community Benefit Type

Language Assistant Services .....	Dollars not paid by hospital, see Attachment 4 .....	\$ -
Financial Assistance .....		\$ 18,057,494
Government Sponsored .....		\$ 61,003,889
Donations .....		\$ 266,128
<b>Volunteer Services</b>		
a) Employee Volunteer Services .....	\$ 0	
b) Non-Employee Volunteer Services .....	\$ 1,098,398	
c) Total (add lines a and b) .....		\$ 1,098,398
Education .....		\$ 23,428,213
Government-sponsored program services .....		\$ 0
Research .....		\$ 9,106,493
Subsidized health services .....		\$ 23,662,188
Bad debts .....		\$ 14,301,949
Other Community Benefits .....		\$ 526

Attach a schedule for any additional community benefits not detailed above.

5. **ATTACH Audited Financial Statements for the reporting period.**

Attachment 5

Under penalty of perjury, I the undersigned declare and certify that I have examined this Annual Non Profit Hospital Community Benefits Plan Report and the documents attached thereto. I further declare and certify that the Plan and the Annual Non Profit Hospital Community Benefits Plan Report and the documents attached thereto are true and complete.

Dennis Hesch/ Chief Finance and and Strategy Officer

217/383-6702

Name/ Title (Please Print)

Phone: Area Code/ Telephone No.



Signature

Date.

John Walsh

217/902-5392

Name of Person Completing Form

Phone: Area Code/ Telephone No.

john.walsh@carle.com

217/902-7714

Electronic / Internet Mail Address

FAX: AreaCode/FAXNo.

## **Attachment 1: Mission Statement**

The Carle Health shared Mission Statement was adopted by Carle's Board of Trustees on March 12, 2021.

### **To be your trusted partner in all healthcare decisions.**

Our mission statement defines who we are, what we stand for, and the importance of our relationship with our patients, staff and community. As a locally-based private, not-for-profit organization, we take seriously our obligation to treat and provide high quality care to everyone, regardless of their ability to pay. As the region's trusted healthcare provider, we are also called to be the region's trusted community partner – providing assistance, programs and resources when and where our communities need them



**OSF HEALTHCARE**  
Heart of Mary  
Medical Center

Carle Foundation Hospital Report - Attachment 2  
For period from 1/1/2024 through 12/31/2024



Carle Foundation Hospital



United Way  
of Champaign County



**CHAMPAIGN COUNTY  
DEVELOPMENTAL  
DISABILITIES BOARD**  
**CHAMPAIGN COUNTY  
MENTAL HEALTH BOARD**



**Public Health**  
Prevent. Promote. Protect.

Champaign-Urbana Public Health District  
[www.cuphd.org](http://www.cuphd.org)

2022

# COMMUNITY HEALTH NEEDS ASSESSMENT

*Champaign* County

EXECUTIVE SUMMARY .....	3
I. INTRODUCTION .....	5
II. METHODS.....	9
CHAPTER 1: DEMOGRAPHY AND SOCIAL DETERMINANTS.....	12
1.1 Population .....	12
1.2 Age, Gender and Race Distribution .....	13
1.3 Household/Family .....	15
1.4 Economic Information.....	17
1.5 Education.....	19
1.6 Internet Accessibility.....	19
1.7 Key Takeaways from Chapter 1.....	21
CHAPTER 2: PREVENTION BEHAVIORS.....	22
2.1 Accessibility.....	22
2.2 Wellness.....	28
2.3 Understanding Food Insecurity.....	35
2.4 Physical Environment .....	37
2.5 Health Status .....	38
2.6 Key Takeaways from Chapter 2.....	42
CHAPTER 3: SYMPTOMS AND PREDICTORS .....	43
3.1 Tobacco Use.....	43
3.2 Drug and Alcohol Abuse .....	44
3.3 Overweight and Obesity .....	48
3.4 Predictors of Heart Disease.....	49
3.5 Key Takeaways from Chapter 3.....	51
CHAPTER 4: MORBIDITY AND MORTALITY .....	52
4.1 Self-Identified Health Conditions .....	52
4.2 Healthy Babies.....	53
4.3 Cardiovascular Disease.....	54
4.4 Respiratory .....	58
4.5 Cancer .....	59
4.6 Diabetes.....	60
4.7 Infectious Diseases .....	62
4.8 Injuries.....	64
4.9 Mortality.....	66

4.10 Key Takeaways from Chapter 4.....	67
CHAPTER 5: PRIORITIZATION OF HEALTH-RELATED ISSUES .....	68
5.1 Perceptions of Health Issues.....	68
5.2 Perceptions of Unhealthy Behaviors.....	69
5.3 Perceptions of Issues Impacting Well Being .....	70
5.4 Summary of Community Health Issues .....	70
5.5 Community Resources .....	72
5.6 Significant Needs Identified and Prioritized .....	72
APPENDICES.....	75
APPENDIX 1: Members of Collaborative Team .....	76
APPENDIX 2: Activities Related to 2020 CHNA Prioritized Needs .....	79
APPENDIX 3: Survey.....	84
APPENDIX 4: Characteristics of Survey Respondents.....	91
APPENDIX 5: Community Perceptions of Resources .....	96
APPENDIX 6: Resource Matrix .....	100
APPENDIX 7: Description of Community Resources .....	103
APPENDIX 8: Prioritization Methodology .....	108



# Community Health Needs Assessment

2022

*Collaboration for sustaining health equity*

## EXECUTIVE SUMMARY

The 2022 Champaign County Community Health Needs Assessment is a collaborative undertaking by the Regional Executive Committee, consisting of Carle Foundation Hospital, Champaign County Mental Health Board, Champaign County Developmental Disabilities Board, Champaign-Urbana Public Health District, Champaign County United Way, and OSF Heart of Mary Medical Center] to highlight the health needs and well-being of residents in Champaign County. Through this needs assessment, collaborative community partners have identified numerous health issues impacting individuals and families in the Champaign County region. Several themes are prevalent in this health needs assessment – the demographic composition of the Champaign County region, the predictors for and prevalence of diseases, leading causes of mortality, accessibility to health services and healthy behaviors.

Results from this study can be used for strategic decision-making purposes as they directly relate to the health needs of the community. The study was designed to assess issues and trends impacting the communities served by the collaborative, as well as perceptions of targeted stakeholder groups.

This study includes a detailed analysis of secondary data to assess information regarding the health status of the community. In order to perform these analyses, information was collected from numerous secondary sources, including publicly available sources as well as private sources of data. Additionally, primary data were collected for the general population and the at-risk or economically disadvantaged population. Areas of investigation included perceptions of the community health issues, unhealthy behaviors, issues with quality of life, healthy behaviors and access to medical care, dental care, prescription medication and mental-health counseling. Additionally, social determinants of health were analyzed to provide insights into why certain segments of the population responded differently.

Ultimately, the identification and prioritization of the most important health-related issues in the Champaign County region were identified. The collaborative team considered health needs based on: (1) magnitude of the issue (i.e., what percentage of the population was impacted by the issue); (2) severity of the issue in terms of its relationship with morbidities and mortalities; (3) potential impact through collaboration. Using a modified version of the Hanlon Method, three significant health needs were identified and determined to have equal priority:

- **Healthy Behaviors and Wellness**
- **Behavioral Health – including mental health and substance abuse**
- **Violence**

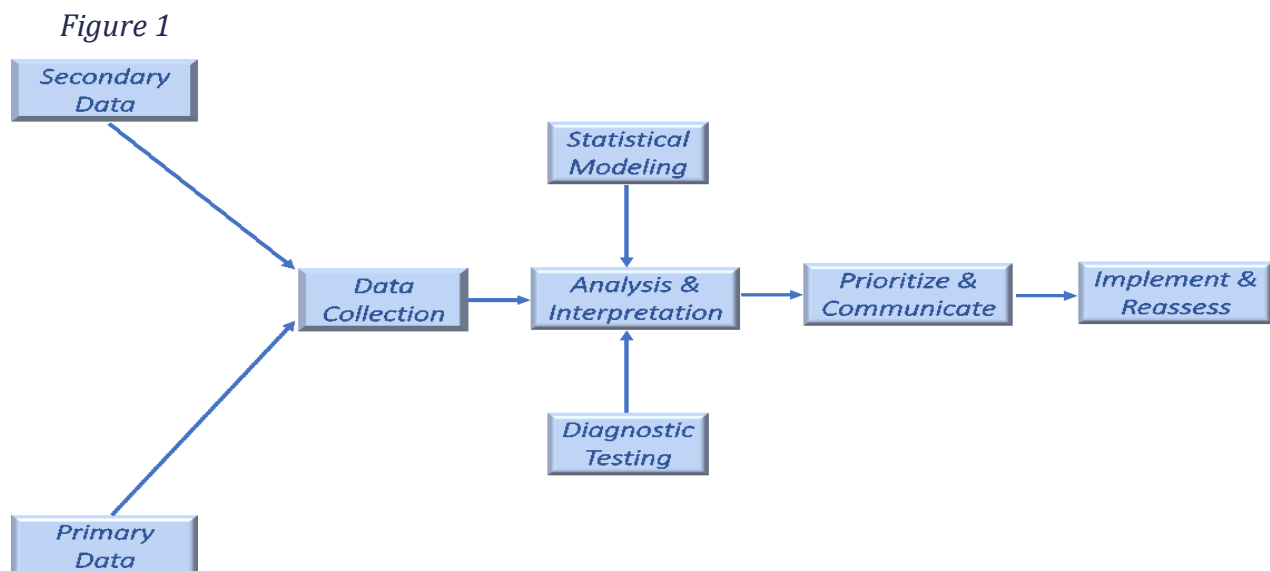


# I. INTRODUCTION

## Background

The Patient Protection and Affordable Care Act (Affordable Care Act), enacted March 23, 2010, added new requirements for tax-exempt charitable hospital organizations to conduct community health needs assessments and to adopt implementation strategies to meet the community health needs identified through the assessments. This community health needs assessment (CHNA) takes into account input from specific individuals who represent the broad interests of the community served the Regional Executive Committee including those with special knowledge of or expertise in public health. For this study, a community health-needs assessment is defined as a systematic process involving the community, to identify and analyze community health needs and assets in order to prioritize these needs, create a plan, and act upon unmet community health needs. Results from this assessment will be made widely available to the public. This CHNA Report was approved by the OSF Healthcare System's Board of Directors on July 25, 2022 and by the Carle Foundation Board on December 9, 2022.

The structure of the CHNA is based on standards used by the Internal Revenue Service to develop Form 990, Schedule H–Hospitals, designated solely for tax-exempt charitable hospital organizations. The fundamental areas of the community health needs assessment are illustrated in Figure 1.



## Collaborative Team and Community Engagement

To engage the entire community in the CHNA process, a collaborative team of health-professional experts and key community advocates was created. Members of the collaborative team were carefully selected to ensure representation of the broad interests of the community.

The Champaign Regional Executive Committee would like to acknowledge and thank the many individuals and organizations that contributed their valuable time and expertise to this report. Community organizations and individuals outside of the REC providing critical and experienced feedback include Carle Health, Champaign County Healthcare Consumers, Champaign Urbana Public Health District, City of Champaign, CU Mass Transit District, Eastern Illinois Foodbank, Illinois Department of

Public Health, Land Connection, OSF Healthcare, Promise Healthcare Francis Nelson, University of Illinois, United Way of Champaign County, Urbana School District #116, and the Trauma and Resilience Initiative. Engagement occurred throughout the entire process, resulting in shared ownership of the assessment.

## Definition of the Community

Champaign County is located in east central Illinois and is 998.39 square miles with a population density of 208.8 people per square mile. The two major cities, Champaign and Urbana, are home to the University of Illinois, as well as Parkland College and numerous businesses and companies.

Champaign County also includes the following villages: Bondville, Broadlands, Fisher, Foosland, Gifford, Homer, Ivesdale, Longview, Ludlow, Mahomet, Ogden, Pesotum, Philo, Rantoul, Royal, Sadorus, Savoy, Sidney, St. Joseph, Thomasboro, and Tolono. Townships include Ayers, Brown, Champaign, Colfax, Compromise, Condit, Crittenden, Cunningham, East Bend, Harwood, Hensley, Kerr, Ludlow, Mahomet, Newcomb, Ogden, Pesotum, Philo, Rantoul, Raymond, Sadorus, Scott, Sidney, Somer, South Homer, St. Joseph, Stanton, Tolono, and Urbana. Champaign County includes the following zip codes: 61820-2, 61801-3, 61866, 61874, 61873, 61880, 61864, 61877-8, 61847, 61863, 61871, 61815, and 61824-6.

Analyses were completed to identify the percentage of inpatient and outpatient activity represented by Champaign County residents in area hospitals. Specifically, data show that Champaign County represents approximately 80% of all patient activity for OSF HealthCare Heart of Mary Medical Center and Carle Foundation Hospital.

In addition to defining the community by geographic boundaries, this study targets the at-risk population as an area of potential opportunity to improve the health of the community. Note that the at-risk population was defined as those individuals who were eligible to receive Medicaid based on the state of Illinois guidelines using household size and income level.

## Purpose of the Community Health-Needs Assessment

In the initial meeting, the collaborative team identified the purpose of this study. Specifically, this study has been designed to provide necessary information to health-care organizations, including hospitals, clinics and health departments, in order to create strategic plans in program design, access and delivery. Results of this study will act as a platform that allows health-care organizations to orchestrate limited resources to improve management of high-priority challenges. By working together, hospitals, clinics, agencies and health departments will use this CHNA to improve the quality of healthcare in Champaign County.

## Community Feedback from Previous Assessments

The 2020 CHNA and implementation plan were made widely available to the community to allow for feedback. Specifically, the hospital posted both a full version and a summary version of the 2020 CHNA on its website. In order to encourage written feedback, the hospital specifically included a section labeled **Share Your Feedback** and provided instructions regarding how individuals from the community could provide comments to the CHNA. While no written feedback was received by individuals from the community via the available mechanism for the CHNA or implementation plan, verbal feedback was

provided by key stakeholders from community-service organizations and incorporated as part of the collaborative process.

## 2020 CHNA Health Needs and Implementation Plans

The 2020 CHNA for Champaign County identified three significant health needs. These included: behavioral health, reducing obesity and promoting healthy lifestyles, and violence. Specific actions were taken to address these needs. Detailed discussions of goals and strategies to improve these health needs can be seen in APPENDIX 2: Activities Related to 2020 CHNA Prioritized Needs. Note that numerous challenges associated with the COVID-19 pandemic had significant impact on the activities discussed in appendix 2.

### Social Determinants of Health

This CHNA incorporates important factors associated with Social Determinants of Health (SDOH). SDOH are important environmental factors, such as where people are born, live, work and play, that affect people's well-being, physical and mental health, and quality of life. According to research conducted by the U.S. Department of Health and Human Services, *Healthy People 2030* has identified five SDOH that should be included in assessing community health, as seen in Figure 2.

Figure 2



Assessment of SDOH are included in the CHNA, as they help contribute to health inequities and disparities. Simply creating interventions without incorporating SDOH will have limited impact on improving community health for people living in underserved or at-risk areas.

## II. METHODS

To complete the comprehensive community health needs assessment, multiple sources were examined. Secondary statistical data were used to assess the community profile, morbidity rates and causes of mortality. Additionally, a study was completed to examine perceptions of the community health-related issues, healthy behaviors, behavioral health, food security, social determinants of health and access to healthcare.

### Secondary Data Collection

We first used existing secondary statistical data to develop an overall assessment of health-related issues in the community. Within each section of the report, there are definitions, importance of categories, data and interpretations. At the end of each chapter, there is a section on key takeaways.

Based on several retreats, a separate OSF Collaborative Team used COMP data to identify six primary categories of diseases, including: age related, cardiovascular, respiratory, cancer, diabetes and infections. In order to define each disease category, we used modified definitions developed by Sg2. Sg2 specializes in consulting for health-care organizations. Their team of experts includes MDs, PhDs, RNs and health-care leaders with extensive strategic, operational, clinical, academic, technological and financial experience.

### Primary Data Collection

In addition to existing secondary data sources, primary survey data were also collected. This section describes the research methods used to collect, code, verify and analyze primary survey data. Specifically, we discuss the research design used for this study: survey design, data collection and data integrity.

### Survey Instrument Design

A new survey in 2021 was designed for use with both the general population and the at-risk community. To ensure that all critical areas were being addressed, the entire collaborative team was involved in survey design/approval through several fact-finding sessions. Additionally, several focus groups were used to collect the qualitative information necessary to design survey items. Specifically, for the community health-needs assessment, eight specific sets of items were included:

- **Ratings of health issues in the community** – to assess the importance of various community health concerns. Survey items included assessments of topics such as cancer, diabetes and obesity.
- **Ratings of unhealthy behaviors in the community** – to assess the importance of various unhealthy behaviors. Survey items included assessments of topics such as violence, drug abuse and smoking.
- **Ratings of issues concerning well-being** – to assess the importance of various issues relating to well-being in the community. Survey items included assessments of topics such as access to healthcare, safer neighborhoods and effective public transportation.

- **Accessibility to healthcare** – to assess the degree to which residents could access healthcare when needed. Survey items included assessments of topics such as access to medical, dental and mental-healthcare, as well as access to prescription medication.
- **Healthy behaviors** – to assess the degree to which residents exhibited healthy behaviors. The survey items included assessments of topics such as exercise, healthy eating habits and cancer screenings.
- **Behavioral health** – to assess community issues related to areas such as anxiety and depression.
- **Food security** – to assess access to healthy food alternatives.
- **Social determinants of health** – to assess the impact that social determinants may have on the above-mentioned areas.

Finally, demographic information was collected to assess background information necessary to segment markets in terms of the eight categories discussed above. A copy of the final survey is included in APPENDIX 3: Survey.

## Sample Size

In order to identify our potential population, we first identified the percentage of the Champaign County population that was living in poverty. Specifically, we multiplied the population of the county by its respective poverty rate to identify the minimum sample size to study the at-risk population. The poverty rate for Champaign County was 15.1 percent. The population used for the calculation was 209,231 yielding a total of 31,594 residents living in poverty in the Champaign County area.

We assumed a normal approximation to the hypergeometric distribution given the targeted sample size.

$$n = (Nz^2pq)/(E^2 (N-1) + z^2 pq)$$

where:

n = the required sample size

N = the population size

z = the value that specified the confidence interval (use 95% CI)

pq = population proportions (set at .05)

E =desired accuracy of sample proportions (set at +/- .05)

For the total Champaign County area, the minimum sample size for *aggregated* analyses (combination of at-risk and general populations) was 384. The data collection effort for this CHNA yielded a total of 527 usable responses. This exceeded the threshold of the desired 95% confidence interval. To provide a representative profile when assessing the aggregated population for the Champaign County region, the general population was combined with a portion of the at-risk population. Additionally, efforts were made to ensure that the demography of the sample was aligned with population demographics according to U.S. Census data. Sample characteristics can be seen in APPENDIX 4: Characteristics of Survey Respondents.

## Data Collection

Survey data were collected in the 3<sup>rd</sup> and 4<sup>th</sup> quarter of 2021. To collect data in this study, two techniques were used. First, an online version of the survey was created. Second, a paper version of the survey was distributed. In order to be sensitive to the needs of respondents, surveys stressed assurance of complete anonymity. Note that versions of both the online survey and paper survey were translated into Spanish.

To specifically target the at-risk population, surveys were distributed at homeless shelters, food pantries and soup kitchens. Since we specifically targeted the at-risk population as part of the data collection effort, this became a stratified sample, as we did not specifically target other groups based on their socio-economic status.

Note that use of electronic surveys to collect community-level data may create a potential for bias from convenience sampling error. To recognize for potential bias in the community sample, a second control sample of data was collected. Specifically, the control sample consisted of random patients surveyed at the hospital, assuming that patients receiving care represent an unbiased representation of the community. All questions on the patient version of the survey pertaining to access to healthcare were removed, as these questions were not relevant to current patients. Data from the community sample and the control sample were compared using *t-tests* and tetrachoric correlations when appropriate. Results show that the community sample did not exhibit any significance patterns of bias. If specific relationships exhibited a potential for bias between the community sample and the control sample, they are identified in the social-determinants sections of the analyses within each chapter.

## Data Integrity

Comprehensive analyses were performed to verify the integrity of the data for this research. Without proper validation of the raw data, any interpretation of results could be inaccurate and misleading if used for decision-making. Therefore, several tests were performed to ensure that the data were valid. These tests were performed before any analyses were undertaken. Data were checked for coding accuracy, using descriptive frequency statistics to verify that all data items were correct. This was followed by analyses of means and standard deviations and comparison of primary data statistics to existing secondary data.

## Analytic Techniques

To ensure statistical validity, several different analytic techniques were used. Specifically, frequencies and descriptive statistics were used for identifying patterns in residents' ratings of various health concerns. Additionally, appropriate statistical techniques were used for identification of existing relationships between perceptions, behaviors and demographic data. Specifically, Pearson correlations,  $X^2$  tests and tetrachoric correlations were used when appropriate, given characteristics of the specific data being analyzed.

## CHAPTER 1 OUTLINE

- 1.1 Population
- 1.2 Age, Gender and Race Distribution
- 1.3 Household/Family
- 1.4 Economic Information
- 1.5 Education
- 1.6 Internet Accessibility
- 1.7 Key Takeaways from Chapter 1

# CHAPTER 1: DEMOGRAPHY AND SOCIAL DETERMINANTS

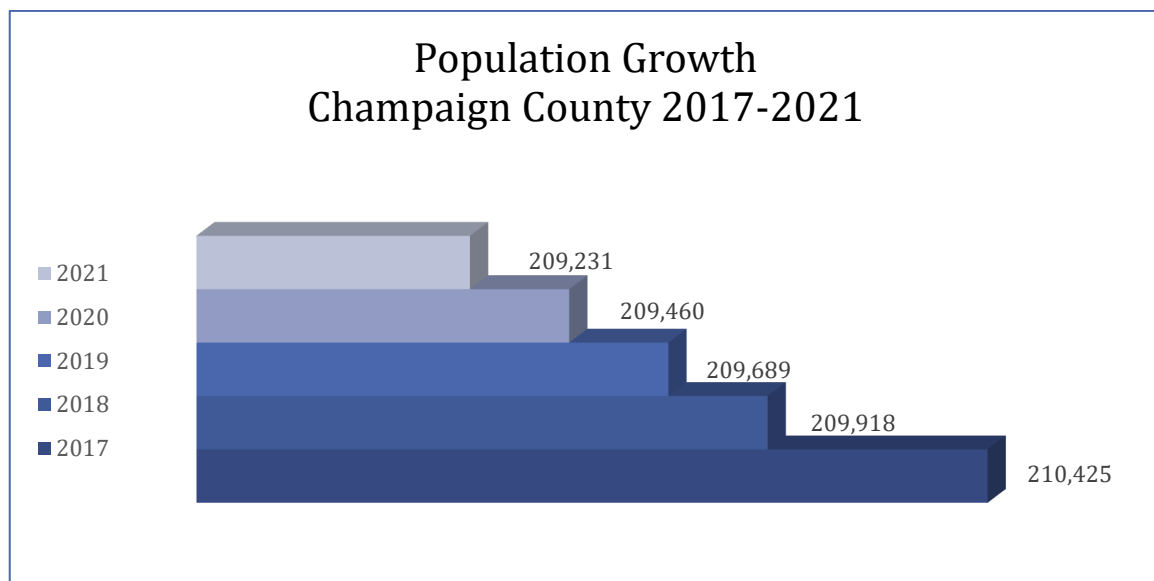
## 1.1 Population

*Importance of the measure:* Population data characterize individuals residing in Champaign County. Population data provide an overview of population growth trends and build a foundation for additional analysis of data.

### Population Growth

Data from the last census indicate the population of Champaign County has increased between 2010 (201,546) and 2021 (Figure 3) despite a slight decline in the past five years.

Figure 3



Source: US Census



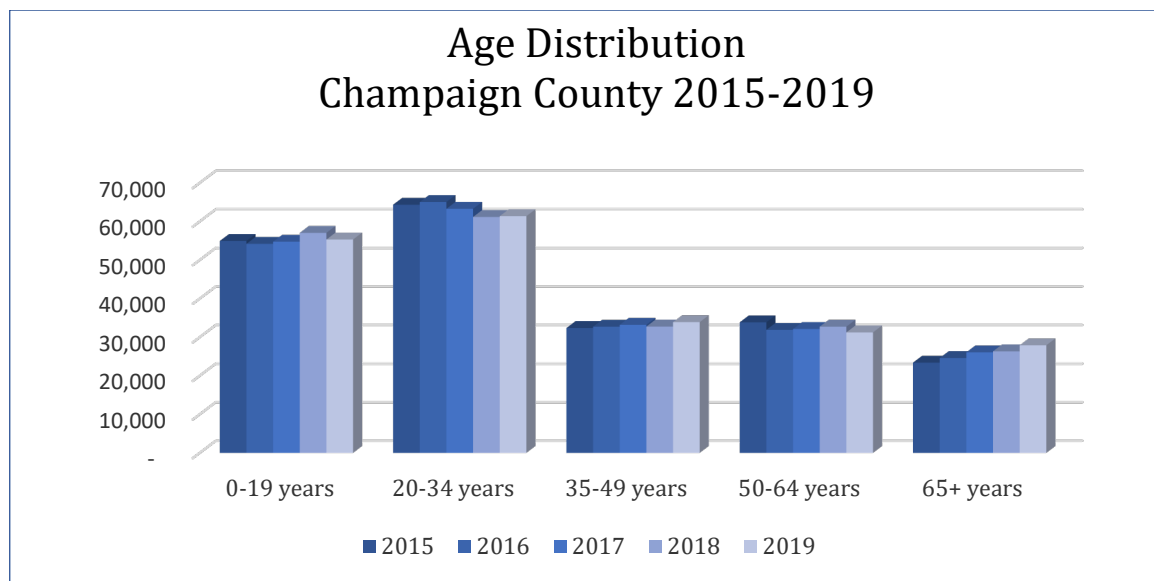
## 1.2 Age, Gender and Race Distribution

*Importance of the measure:* Population data broken down by age, gender and race groups provide a foundation to analyze the issues and trends that impact demographic factors including economic growth and the distribution of health-care services. Understanding the cultural diversity of communities is essential when considering health-care infrastructure and service delivery systems.

### Age

Figure 4 shows the percentage of individuals in Champaign County in each age group. Of note, the elderly population (residents aged 65+ years) increased 19% between 2015 and 2019.

Figure 4

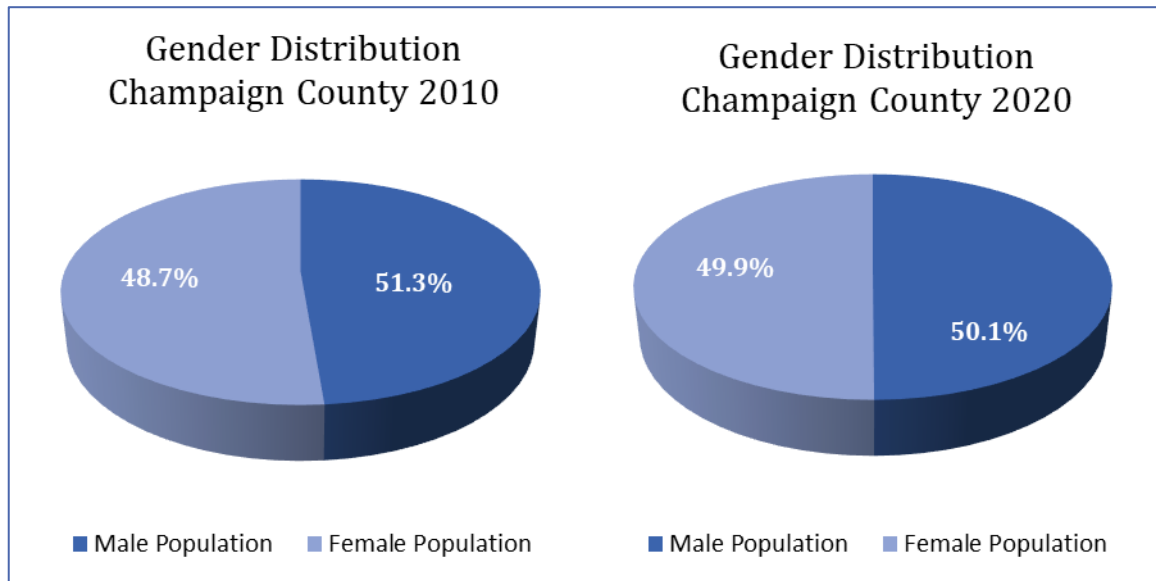


Source: US Census

### Gender

The gender distribution of Champaign County residents has remained relatively consistent between 2010 and 2020 (Figure 5).

Figure 5

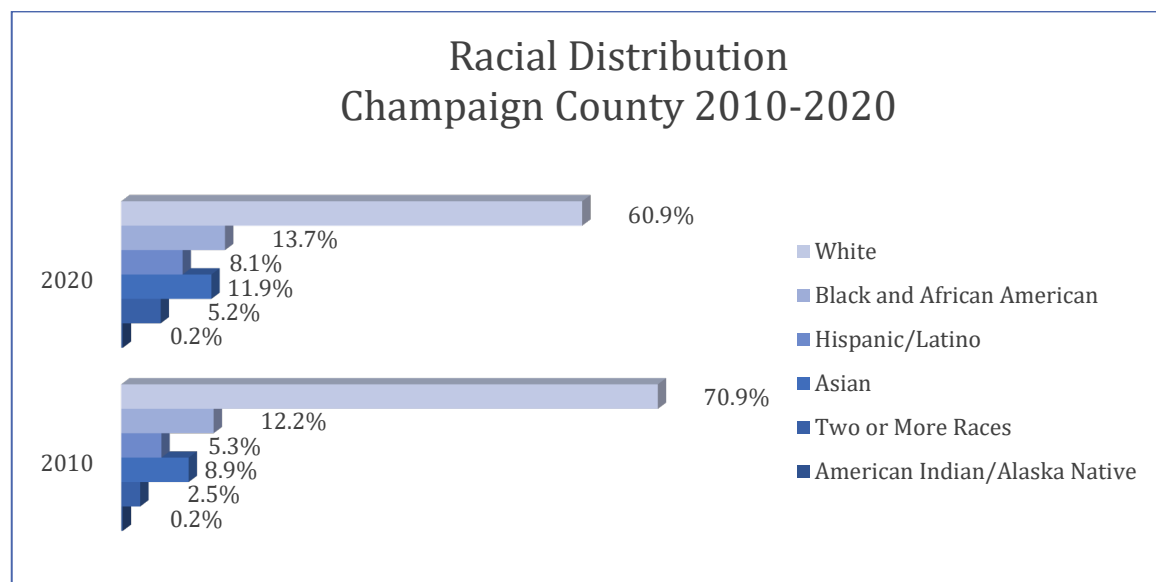


Source: US Census

## Race

With regard to race and ethnic background, Champaign County is largely homogenous, yet in recent years, the county is becoming more diverse. Data from 2020 suggest that White ethnicity comprises 60.9% of the population in Champaign County. However, the non-White population of Champaign County has been increasing (from 29.1% to 39.1% in 2020), with Black ethnicity comprising 13.7% of the population, Asian ethnicity comprising 11.9% of the population, and Hispanic/Latino (LatinX) ethnicity comprising 8.1% of the population in 2019 (Figure 6).

Figure 6



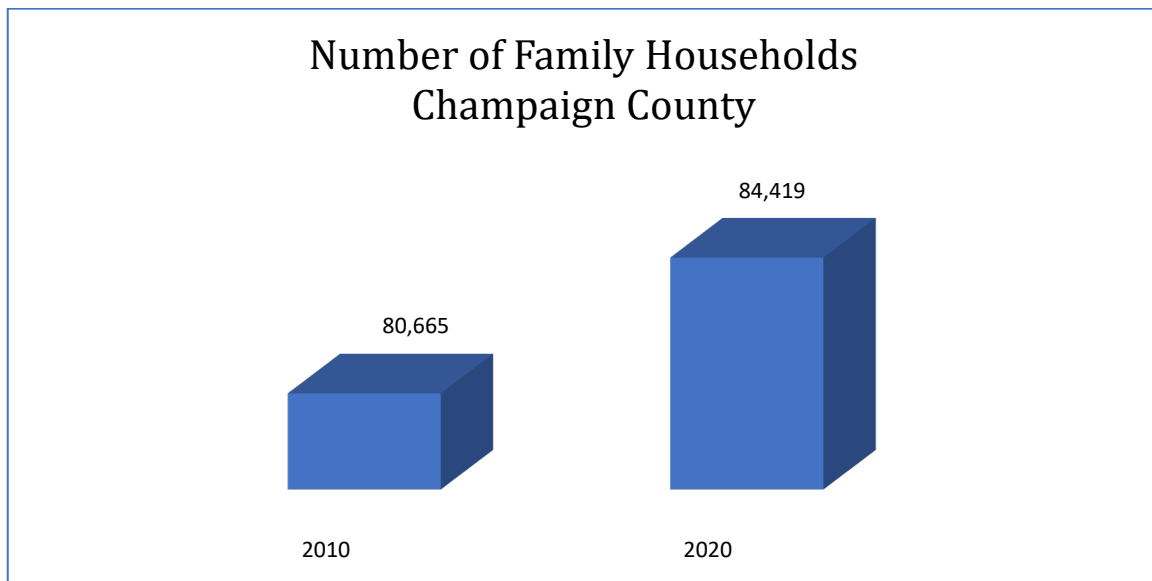
Source: US Census

## 1.3 Household/Family

*Importance of the measure:* Families are an important component of a robust society in Champaign County, as they dramatically impact the health and development of children and provide support and well-being for older adults.

As indicated in Figure 7, the number of family households in Champaign County was 80,665 in 2010, then increased to 84,419 in 2020.

Figure 7

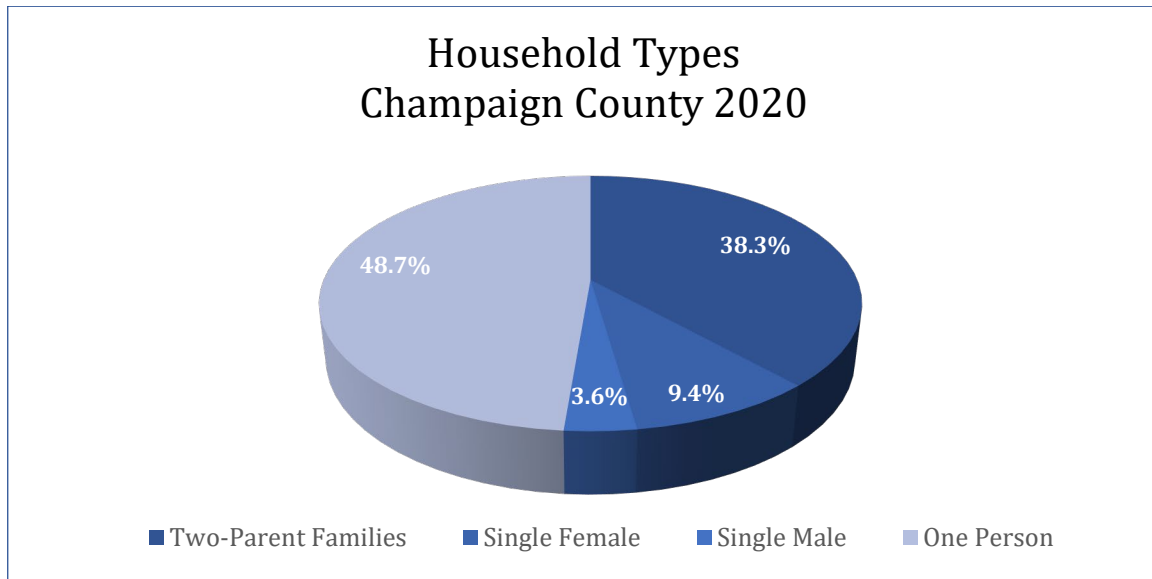


Source: US Census

## Family Composition

In Champaign County, data from 2020 suggest the percentage of two-parent families in Champaign County is over 38.3%. One-person households represent 48.7% of the county population, single-female represent 9.4%, and single-male households represent 3.6% (Figure 8).

Figure 8

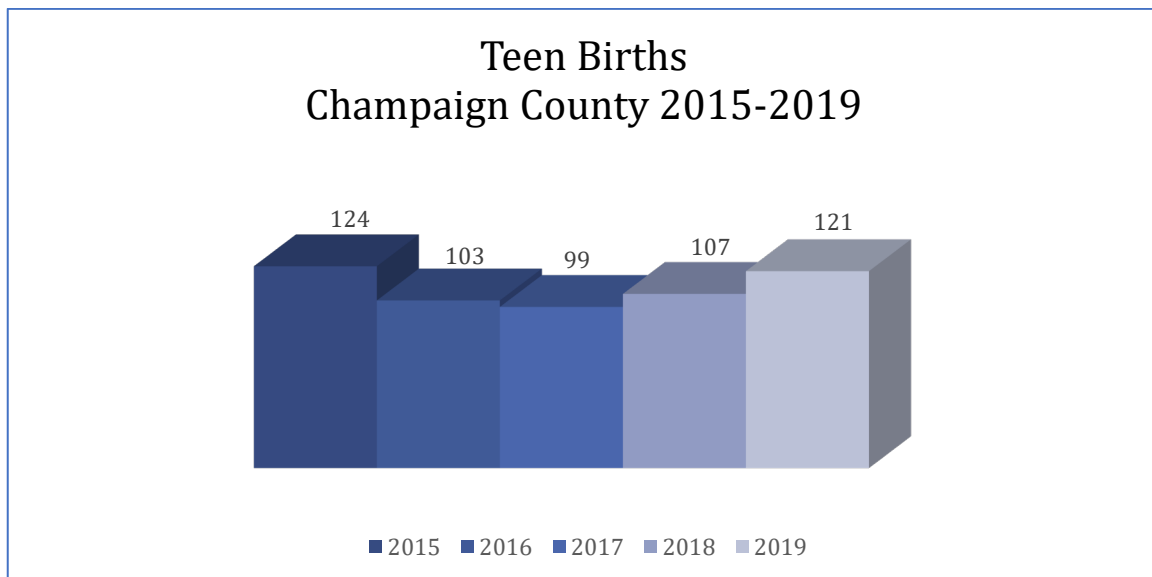


Source: US Census

## Early Sexual Activity Leading to Births from Teenage Mothers

Champaign County has experienced a fluctuation in teenage birth count. The teen birth count declined between 2015 and 2017, but experienced an increase in 2018 followed by another significant increase in 2019 (Figure 9).

Figure 9



Source: Illinois Department of Public Health

## 1.4 Economic Information

*Importance of the measure:* Median income divides households into two segments with one-half of households earning more than the median income and the other half earning less. Because median income is not significantly impacted by unusually high or low-income values, it is considered a more reliable indicator than average income. To live in poverty means to lack sufficient income to meet one's basic needs. Accordingly, poverty is associated with numerous chronic social, health, education and employment conditions.

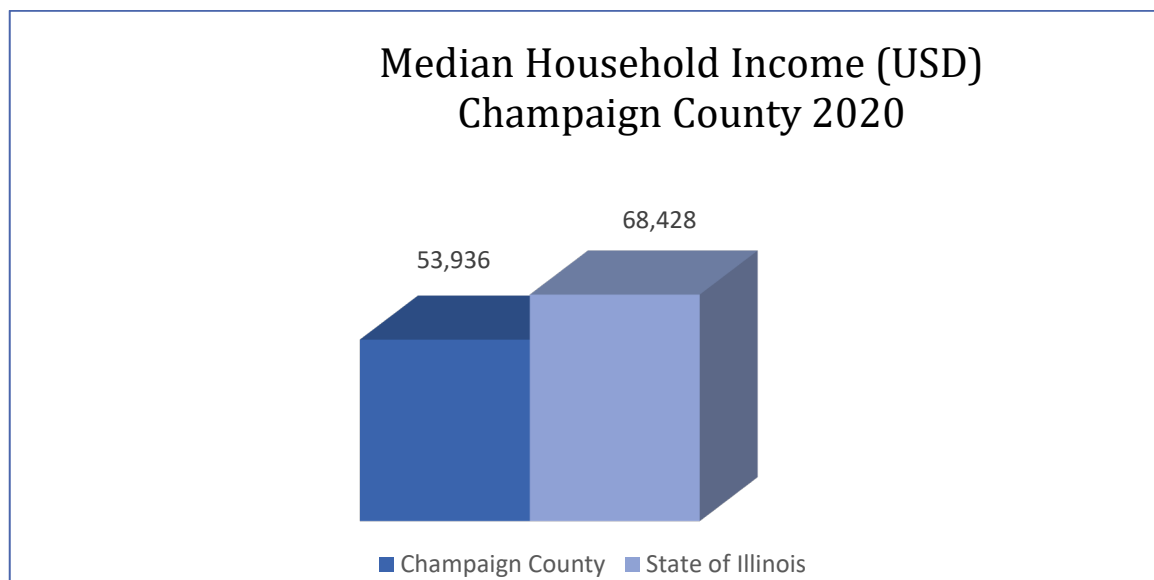
### Economic Climate

Economic climate is a measure of a community's financial resources and resiliency. Key risk influencers include income, cost of living and opportunity. For Champaign County, 33% of the population is at elevated risk for economic climate. This is lower than the State of Illinois average of 35% (SocialScape® powered by SociallyDetermined®, 2022).

### Median Income Level

For 2020, the median household income in Champaign County (\$53,936) was lower than the State of Illinois (\$68,428) (Figure 10).

Figure 10

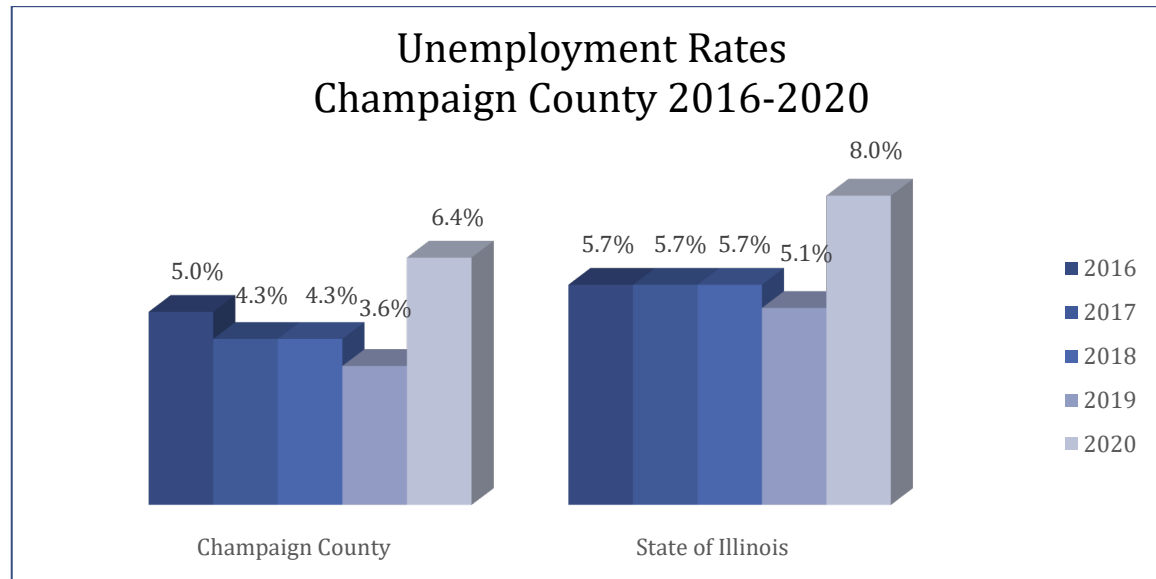


Source: US Census

### Unemployment

For the years 2016 thru 2020, the Champaign County unemployment rate remained lower than the State of Illinois unemployment rate (Figure 11). Some of the increase in unemployment in 2020 may be attributed to the COVID-19 pandemic.

Figure 11

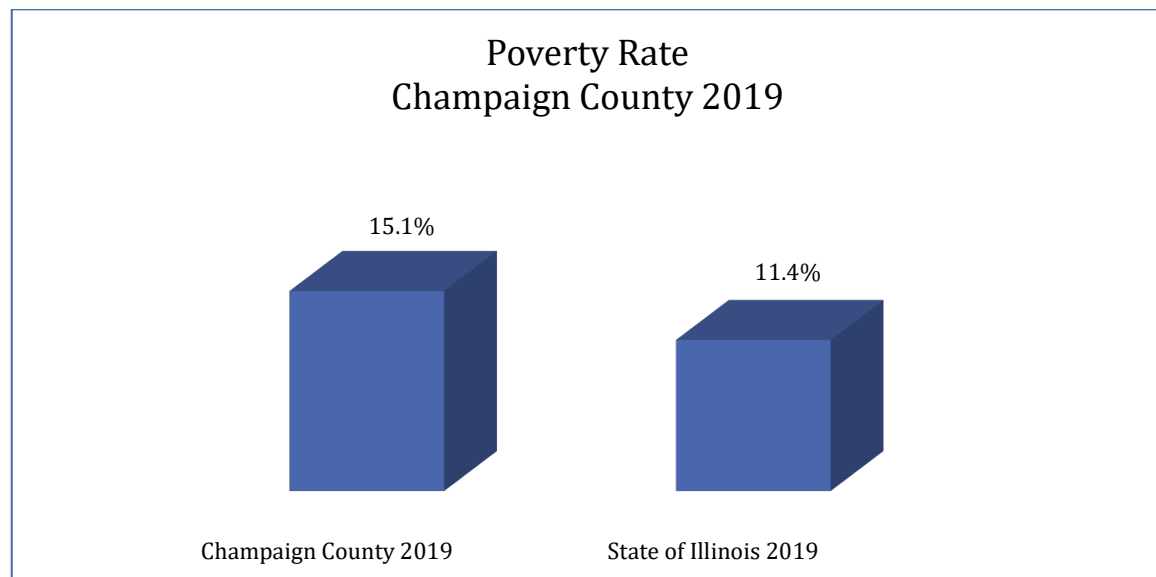


Source: Bureau of Labor Statistics

## Individuals in Poverty

In Champaign County, the poverty was 15.1%, which was higher than the State of Illinois poverty rate of 11.4%. Poverty has a significant impact on the development of children and youth.

Figure 12



Source: US Census

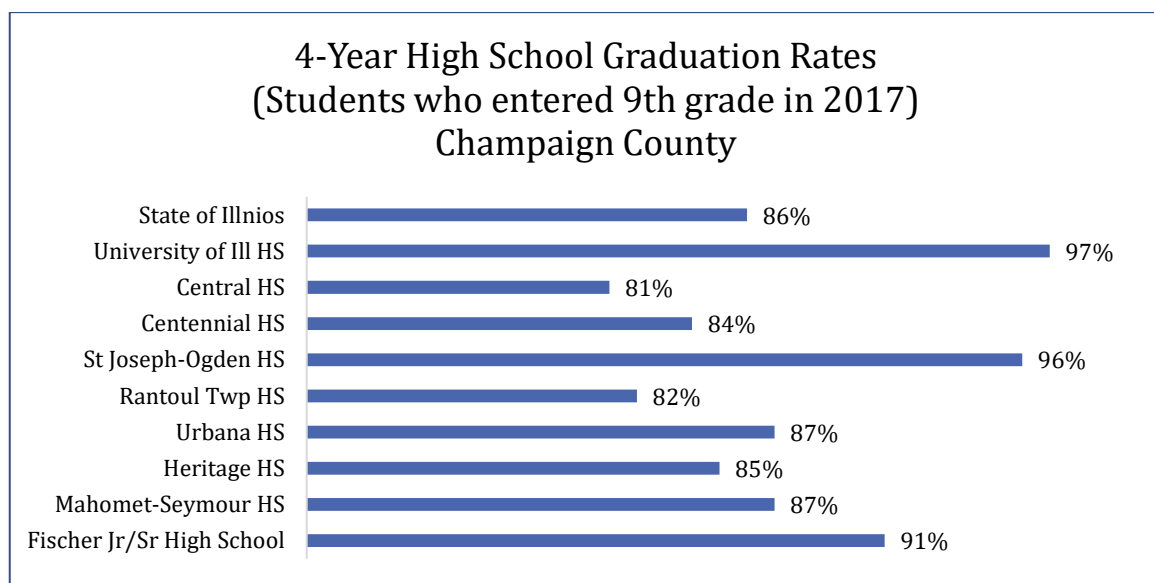
## 1.5 Education

*Importance of the measure:* According to the National Center for Educational Statistics<sup>1</sup>, “The better educated a person is, the more likely that person is to report being in ‘excellent’ or ‘very good’ health, regardless of income.” Research suggests that the higher the level of educational attainment and the more successful one is in school, the better one’s health will be and the greater likelihood of one selecting healthy lifestyle choices. Accordingly, years of education is strongly related to an individual’s propensity to earn a higher salary, gain better employment and foster multifaceted success in life.

### High School Graduation Rates

Students who entered 9th grade in 2017 in Champaign County school districts, except St Joseph-Ogden, Mahomet-Seymore, Fischer Jr/Sr High School, Urbana high school and University of IL HS, reported high school graduation rates that were lower than the State average of 86% (Figure 13).

Figure 13



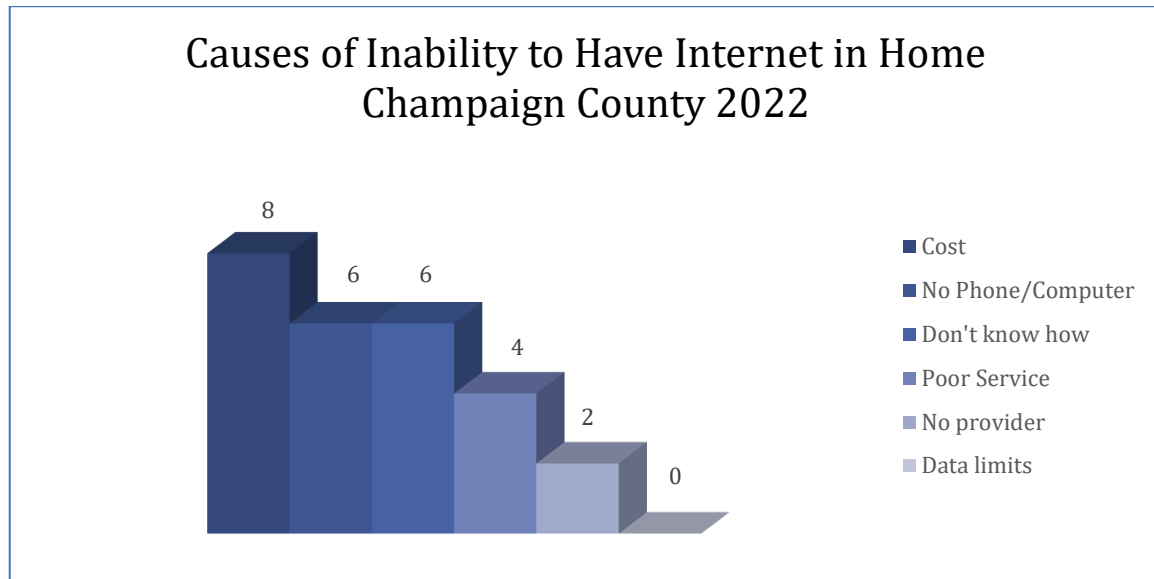
Source: Illinois Report Card

## 1.6 Internet Accessibility

In terms of accessibility, 95% of respondents indicated they had access to Internet in their homes. For those who did not have Internet in their home, cost was the most frequently cited reason (Figure 14).

<sup>1</sup> NCES 2005

Figure 14



Source: CHNA Survey



## Social Determinants Related to Internet Access

Several factors show significant relationships with an individual's Internet access. The following relationships were found using correlational analyses:

- **Access to Internet** tends to be rated lower for those with lower education and people with an unstable (e.g., homeless) housing environment.

## Digital Landscape

Digital landscape is a community's access to digital tools and the digital literacy to use them. Key risk influencers include affordability, accessibility and digital literacy. For Champaign County, 5% of the population is at elevated risk for digital landscape. This is lower than the State of Illinois average of 9% (SocialScape® powered by SociallyDetermined®, 2022).



## 1.7 Key Takeaways from Chapter 1

- ✓ POPULATION INCREASED OVER THE PAST 10 YEARS.
- ✓ POPULATION OVER AGE 65 IS INCREASING.
- ✓ SINGLE FEMALE HEAD-OF-HOUSE-HOUSEHOLD REPRESENTS OVER 9% OF THE POPULATION. HISTORICALLY, THIS DEMOGRAPHIC INCREASES THE LIKELIHOOD OF FAMILIES LIVING IN POVERTY.
- ✓ MOST PEOPLE HAVE ACCESS TO THE INTERNET AT HOME.

## CHAPTER 2 OUTLINE

- 2.1 Accessibility
- 2.2 Wellness
- 2.3 Access to Information
- 2.4 Physical Environment
- 2.5 Health Status
- 2.6 Key Takeaways from Chapter 2

# CHAPTER 2: PREVENTION BEHAVIORS

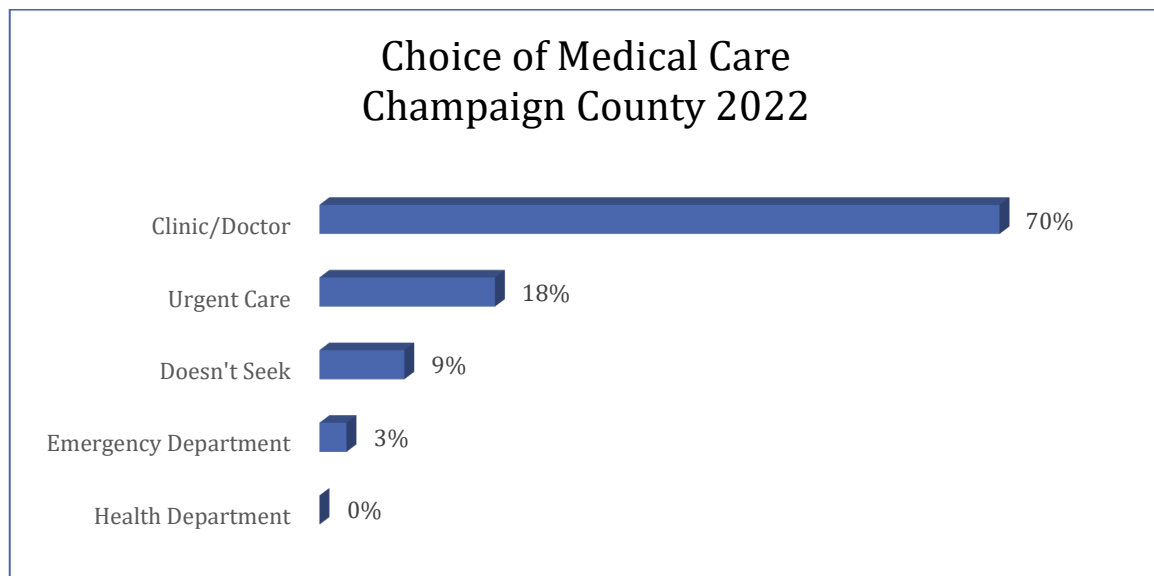
## 2.1 Accessibility

*Importance of the measure:* It is critical for health-care services to be accessible. Therefore, accessibility to healthcare must address both the associated financial costs and the supply and demand of medical services.

### Choice of Medical Care

Survey respondents were asked to select the type of health-care facility used when sick. Six different alternatives were presented, including clinic or doctor's office, emergency department, urgent-care facility, health department, no medical treatment and other. The most common response for source of medical care was clinic/doctor's office, chosen by 70% of survey respondents. This was followed by urgent care (18%), not seeking medical attention (9%), the emergency department at a hospital (3%) and the health department (0%) (Figure 15).

Figure 15



Source: CHNA Survey



## Social Determinants Related to Choice of Medical Care

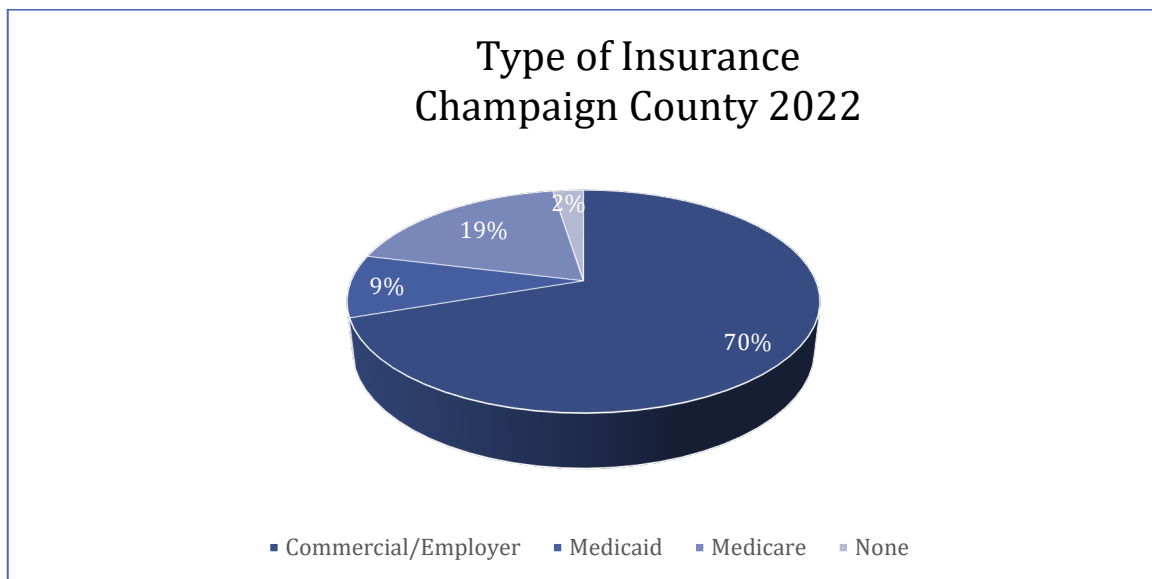
Several factors show significant relationships with an individual's choice of medical care. The following relationships were found using correlational analyses:

- **Clinic/Doctor's Office** tends to be used more often by Asian people, those with higher education and those with higher income.
- **Urgent Care** tends to be used less by Asian people.
- **Emergency Department** tends to be used more often by Black people, less educated people, those with lower income and people with an unstable (e.g., homeless) housing environment.
- **Do Not Seek Medical Care** tends to be rated higher by younger people and those with lower income.
- **Health Department** did not have any significant correlates.

## Insurance Coverage

According to survey data, 70% of the residents are covered by commercial/employer insurance, followed by Medicare (19%), and Medicaid (9%). Only 2% of respondents indicated they did not have any health insurance (Figure 16).

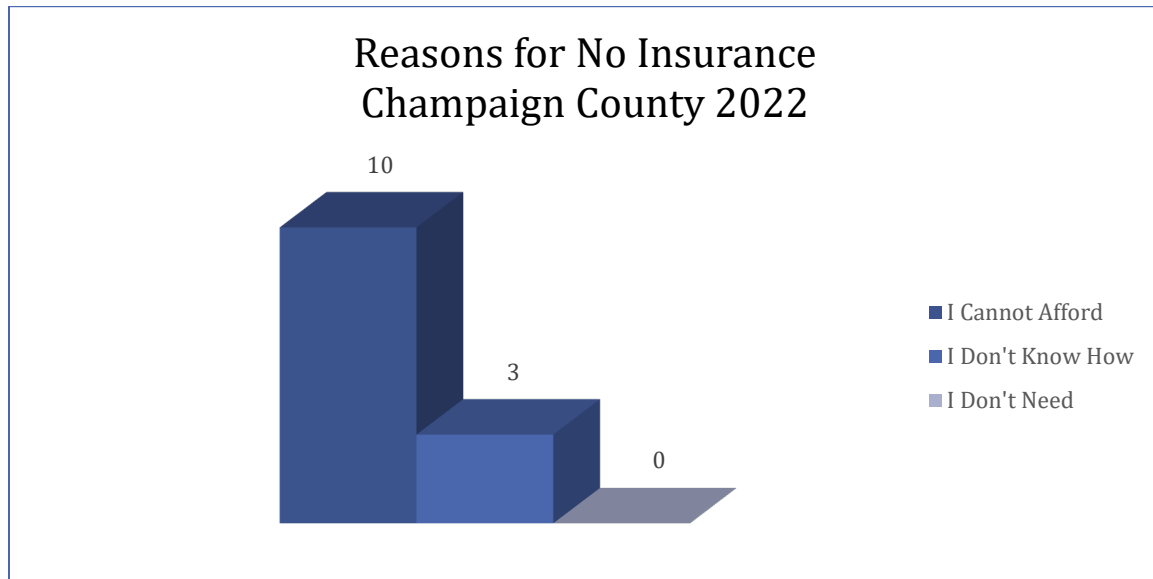
Figure 16



Source: CHNA Survey

Data from the survey show that for those individuals who do not have insurance, the reason was cost (Figure 17). Note that these data are displayed in frequencies rather than percentages given the low number of responses.

Figure 17



Source: CHNA Survey



## Social Determinants Related to Type of Insurance

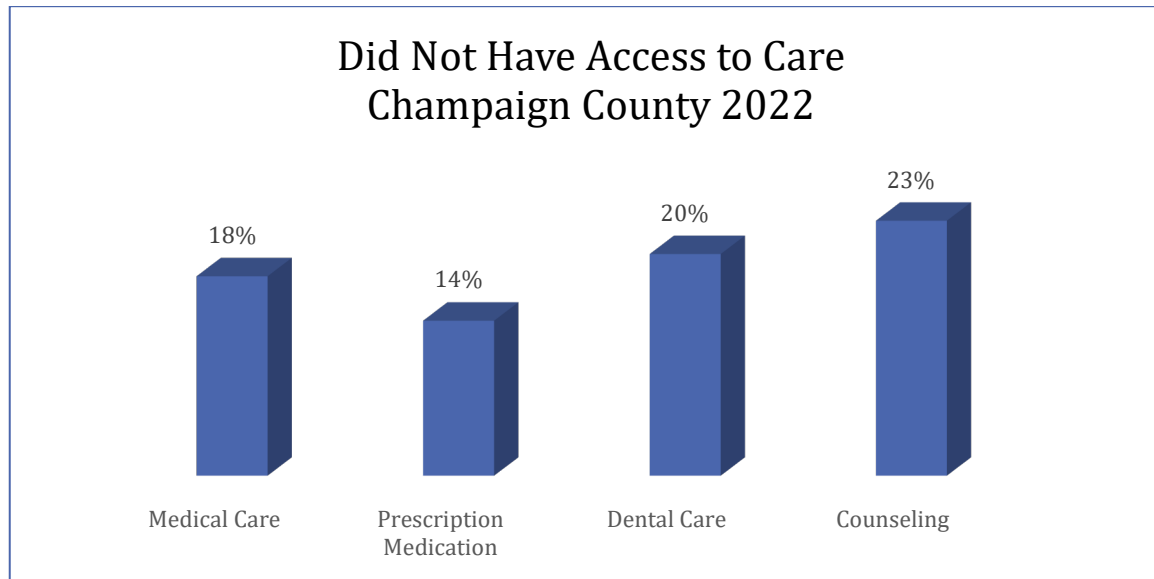
Several characteristics show significant relationships with an individual's type of insurance. The following relationships were found using correlational analyses:

- **Medicare** tends to be used more frequently by men, older people, Black people, those with lower education and lower income. Medicare tends to be used less frequently by LatinX people.
- **Medicaid** tends to be used more frequently by Black people, those with lower income and people with an unstable (e.g., homeless) housing environment.
- **Commercial/Private Insurance** is used more often by women, younger people, White people, those with higher education and higher income. Commercial/employer insurance is used less by Black people and people with an unstable (e.g., homeless) housing environment.
- **No Insurance** tends to be reported more often by men, younger people, those with lower education and income and people with an unstable (e.g., homeless) housing environment.

## Access to Care

In the CHNA survey, respondents were asked, "Was there a time when you needed care but were not able to get it?" Access to four types of care were assessed: medical care, prescription medication, dental care and counseling. Survey results show that 18% of the population did not have access to medical care when needed; 14% of the population did not have access to prescription medication when needed; 20% of the population did not have access to dental care when needed; and 23% of the population did not have access to counseling when needed (Figure 18).

Figure 18



Source: CHNA Survey



## Social Determinants Related to Access to Care

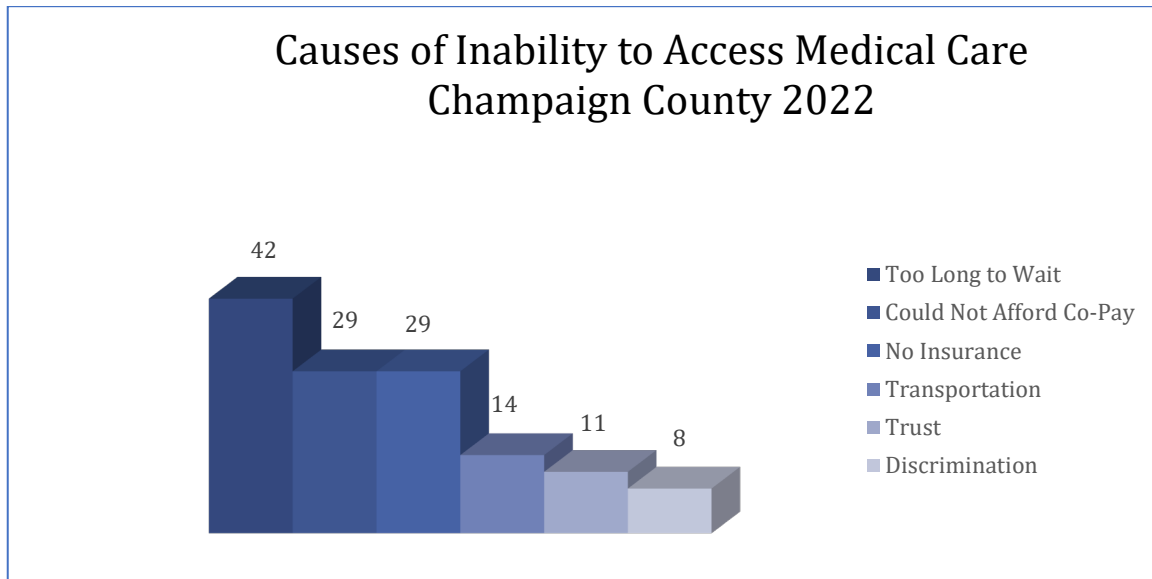
Several characteristics show a significant relationship with an individual's ability to access care when needed. The following relationships were found using correlational analyses:

- **Access to medical care** tends to be higher for older people, White people, those with higher education and those with higher income. Access to medical care tends to be lower for LatinX people and those with an unstable (e.g., homeless) housing environment.
- **Access to prescription medication** tends to be higher for White people, those with higher education and those with higher income. Access to prescription medication tends to be lower for Black people and LatinX people.
- **Access to dental care** tends to be higher for older people, White people, those with higher education and those with higher income. Access to dental care tends to be lower for Black people and those with an unstable (e.g., homeless) housing environment.
- **Access to counseling** tends to be higher for older people and those with higher income.

## Reasons for No Access – Medical Care

Survey respondents who reported they were not able to get medical care when needed were asked a follow-up question. The leading causes of the inability to gain access to medical care were too long to wait for an appointment (42), the inability to afford the copay (29) and no insurance (29) (Figure 19). Note that these data are displayed in frequencies rather than percentages given the low number of responses.

Figure 19

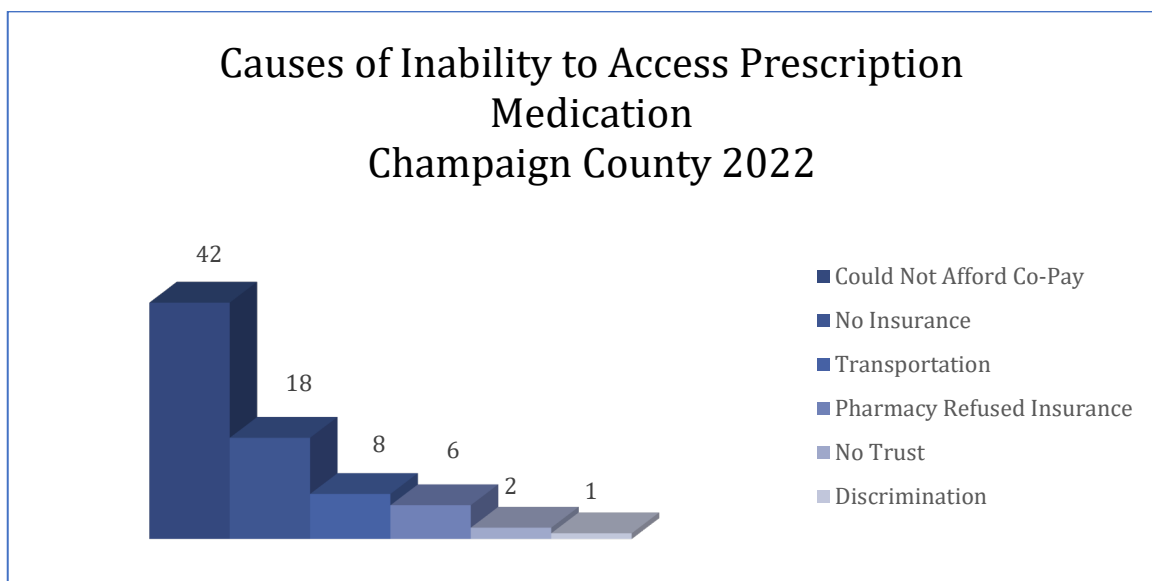


Source: CHNA Survey

## Reasons for No Access – Prescription Medication

Survey respondents who reported they were not able to get prescription medication when needed were asked a follow-up question. The leading causes of the inability to gain access to prescription medicine were the inability to afford copayments or deductibles (42) and no insurance (18) (Figure 20). Note that these data are displayed in frequencies rather than percentages given the low number of responses.

Figure 20

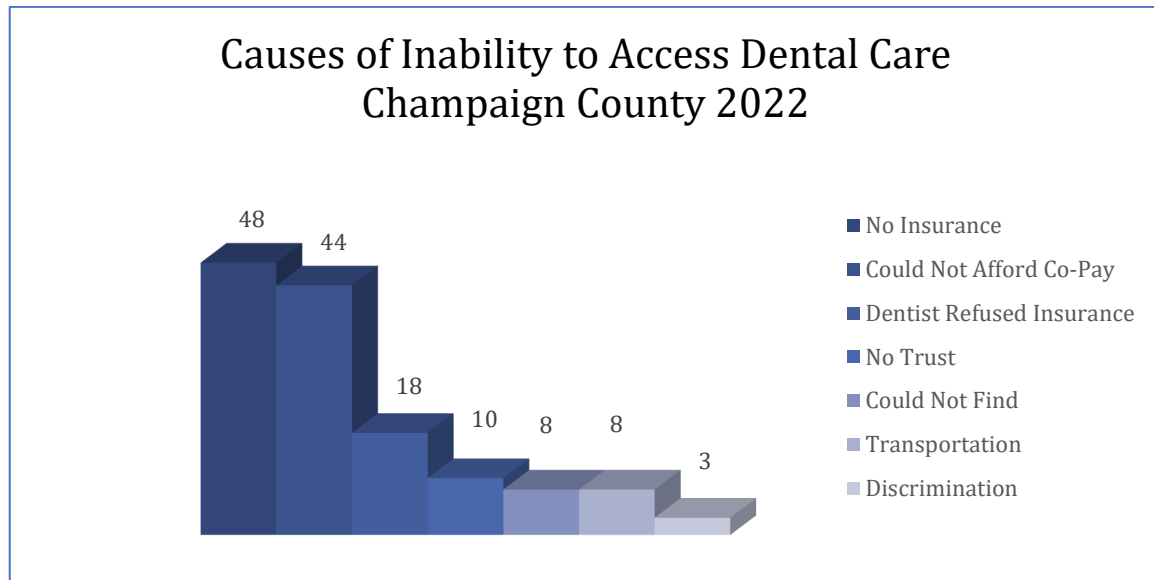


Source: CHNA Survey

## Reasons for No Access – Dental Care

Survey respondents who reported they were not able to get dental care when needed were asked a follow-up question. The leading causes of inability to gain access to dental care were no insurance (48) and the inability to afford copayments or deductibles (44) (Figure 21). Note that these data are displayed in frequencies rather than percentages given the low number of responses.

Figure 21

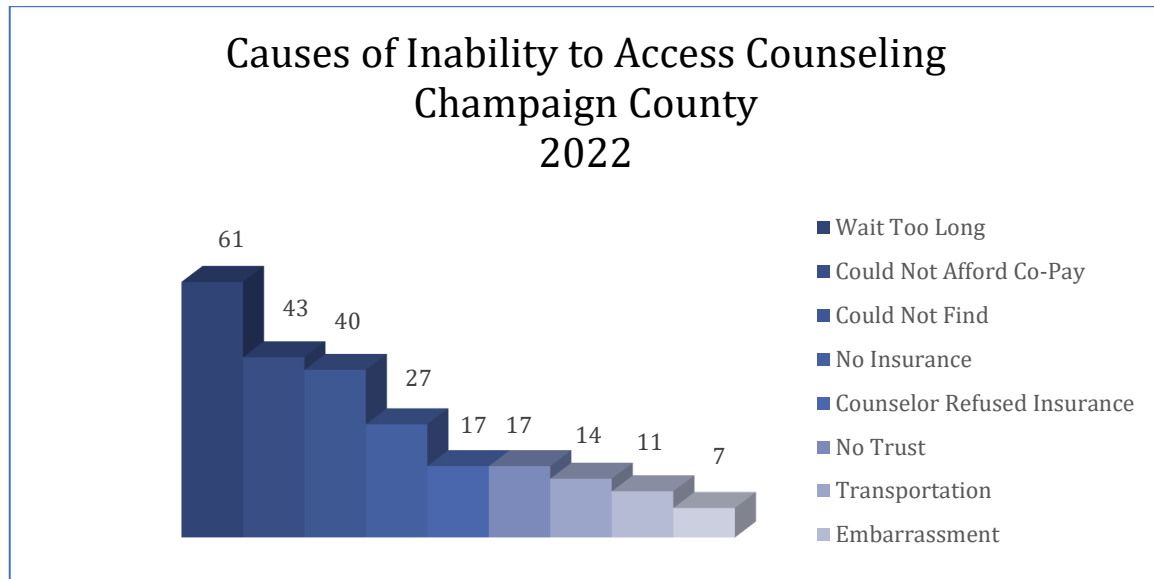


Source: CHNA Survey

## Reasons for No Access – Counseling

Survey respondents who reported they were not able to get counseling when needed were asked a follow-up question. The leading causes of the inability to gain access to counseling were too long of a wait (61), inability to afford co-pay (43) and could not find (40). Note that these data are displayed in frequencies rather than percentages given the low number of responses (Figure 22).

Figure 22



Source: CHNA Survey

## Transportation Network

Transportation network is a measure of the adequacy of the transportation network to facilitate access to care. Key risk influencers include access and proximity to resources. While survey data indicate transportation was not a leading cause of inaccessibility, for Champaign County, 9% of the population is at elevated risk for transportation network. This is higher than the State of Illinois average of 6% (SocialScape® powered by SociallyDetermined®, 2022).

## 2.2 Wellness

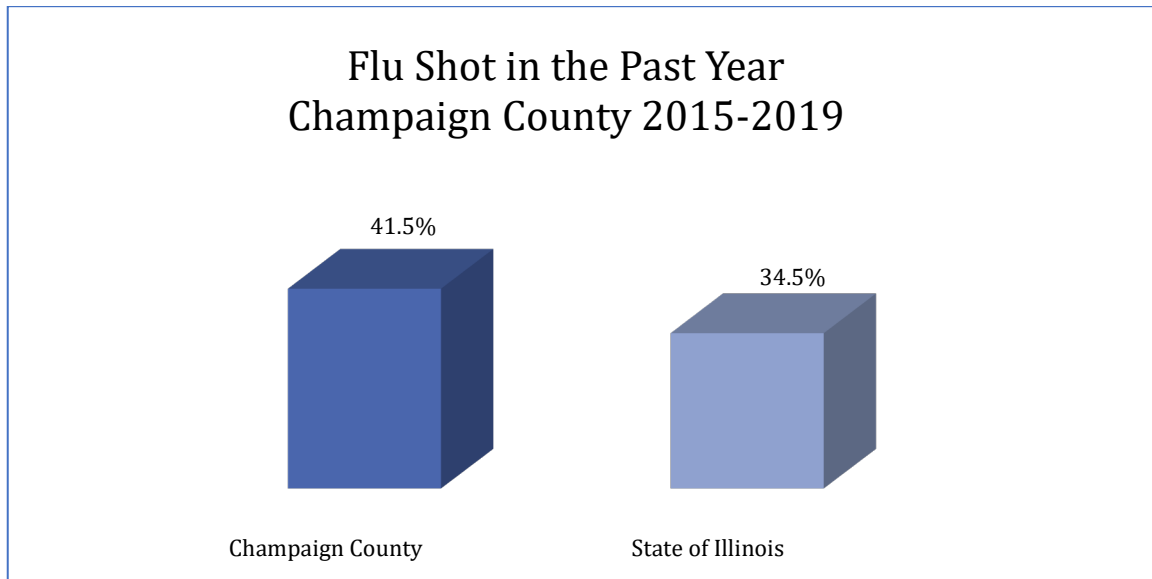
*Importance of the measure:* Preventative health-care measures, including getting a flu shot, engaging in a healthy lifestyle and undertaking screenings for diseases are essential to combating morbidity and mortality while reducing health-care costs. The overall health of a community is impacted by preventative measures including immunizations and vaccinations.

### Frequency of Flu Shots

Figure 23 shows that the percentage of people who have had a flu shot in the past year is 41.5% for Champaign County in 2015-2019 compared to the State of Illinois at 34.5%.



Figure 23

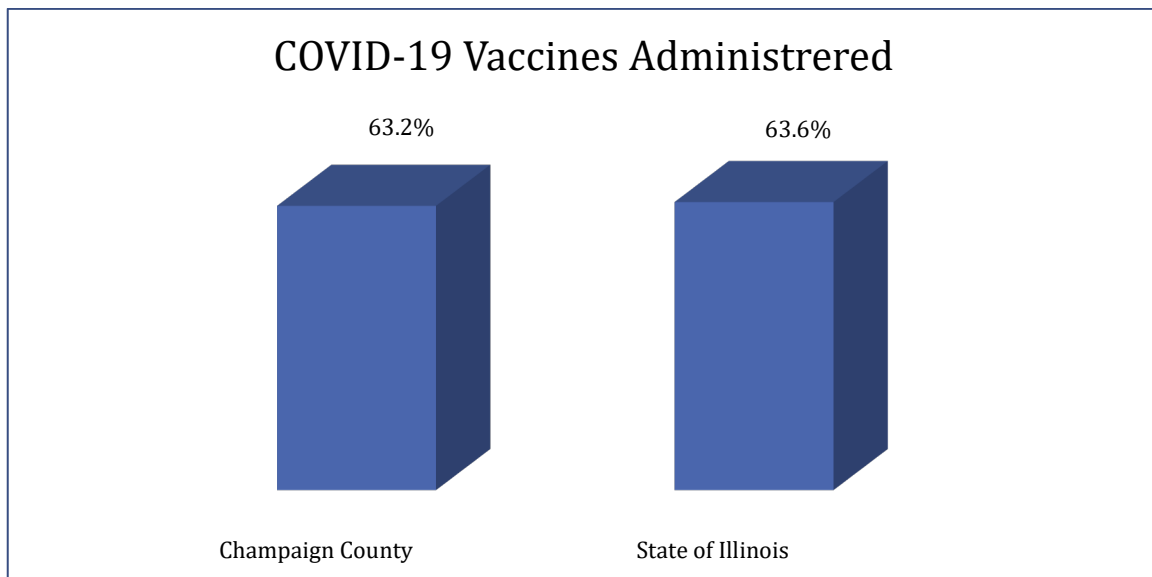


Source: Illinois Behavioral Risk Factor Surveillance System

## COVID-19 Vaccinations

Figure 24 shows that the percentage of people who have been fully vaccinated from the COVID-19 virus. Champaign County is above half with 63.2%, similar to the rate for the State of Illinois at 63.6%. Additionally, given the recency of the COVID-19 virus, no historical comparisons are made at this time.

Figure 24

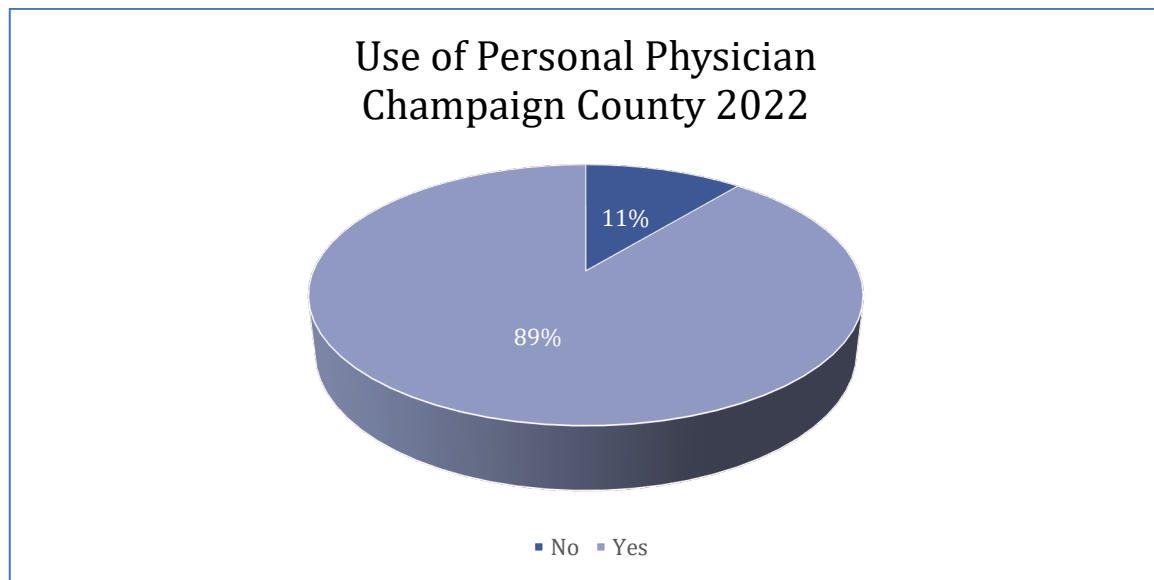


Source: Illinois Department of Public Health (02-27-22)

## Personal Physician

The CHNA survey asked respondents if they had a personal physician. Having a personal physician suggests that individuals are more likely to get wellness check-ups and less likely to use an emergency department as a primary health-care service. According to survey data, 89% of residents have a personal physician (Figure 25).

Figure 25



Source: CHNA Survey



## Social Determinants Related to Having a Personal Physician

The following characteristics show significant relationships with having a personal physician. The following relationships were found using correlational analyses:

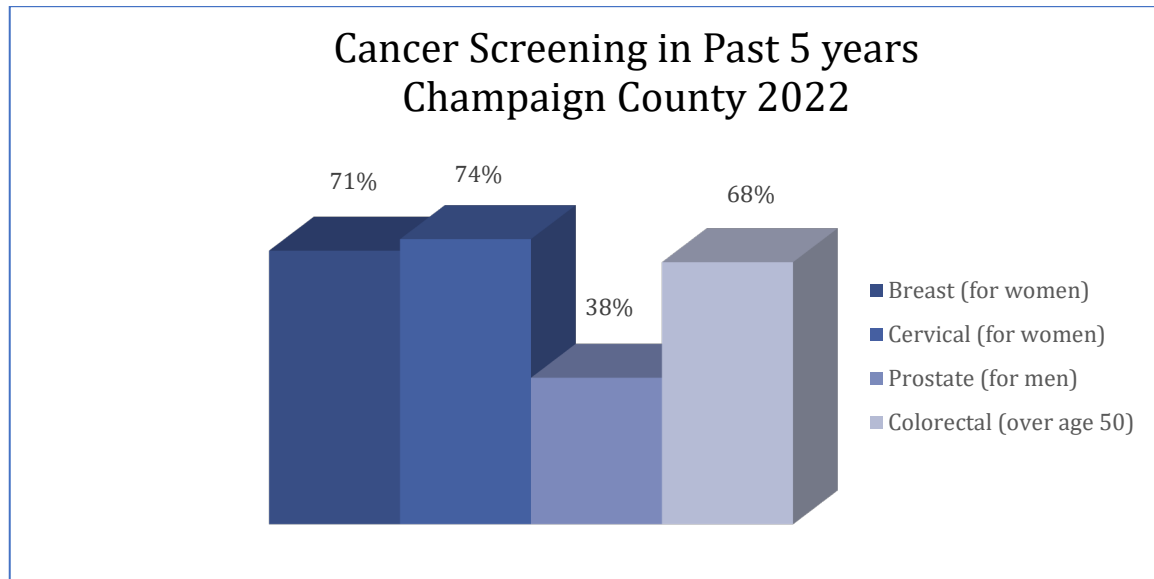
- **Having a personal physician** tends to be more likely for women, older people, for White people and those with higher income. Not having a personal physician tends to be rated lower for Black people.

## Cancer Screening

Early detection of cancer may greatly improve the probability of successful treatment. In the case of colorectal cancer, early detection of precancerous polyps can prevent cancer. Specifically, four types of cancer screening were measured: breast, cervical, prostate and colorectal.

Results from the CHNA survey show that 71% of women had a breast screening in the past five years and 74% of women had a cervical screening. For men, 38% had a prostate screening in the past five years. For women and men over the age of 50, 68% had a colorectal screening in the last five years (Figure 26).

Figure 26



Source: CHNA Survey



## Social Determinants Related to Cancer Screenings

Multiple characteristics show significant relationships with cancer screening. The following relationships were found using correlational analyses:

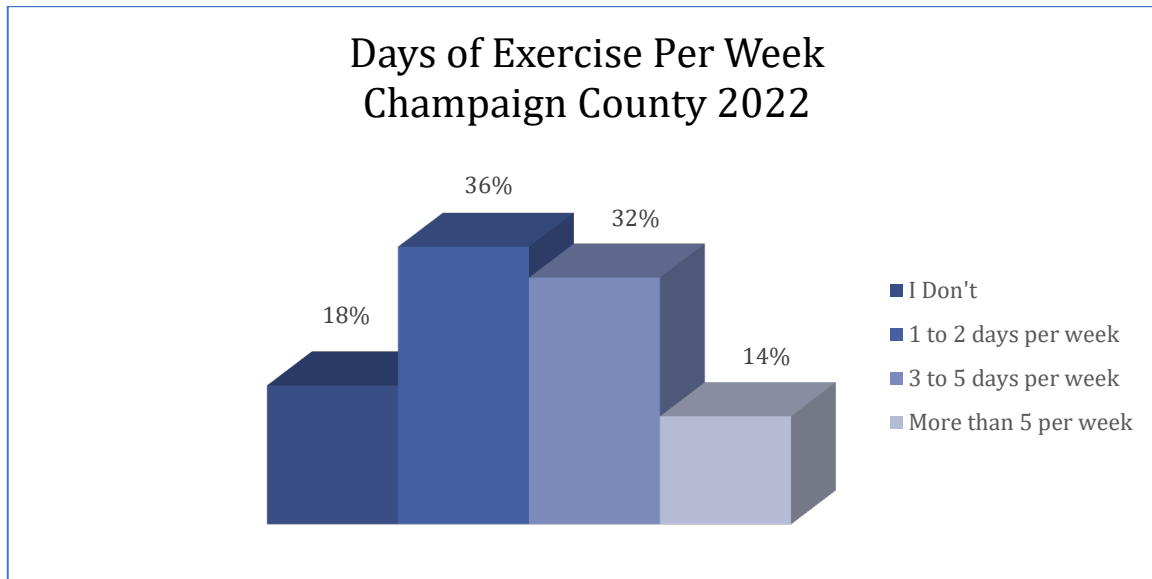
- **Breast screening** tends to be more likely for older women and those with a higher level of income. Breast screening tends to be less likely for people in an unstable (e.g., homeless) housing environment.
- **Cervical screening** tends to be more likely for women with a higher level of income. Cervical screening tends to be less likely for Black women and those in an unstable (e.g., homeless) housing environment.
- **Prostate screening** tends to be more likely for older men with a higher level of education and higher income.
- **Colorectal screening** tends to be more likely for older people and those with a higher level of income. Colorectal screening tends to be less likely for those in an unstable (e.g., homeless) housing environment.

## Physical Exercise

A healthy lifestyle comprised of regular physical activity has been shown to increase physical, mental and emotional well-being.

Specifically, 18% of respondents indicated that they do not exercise at all, while the majority (68%) of residents exercise 1-5 times per week (Figure 27).

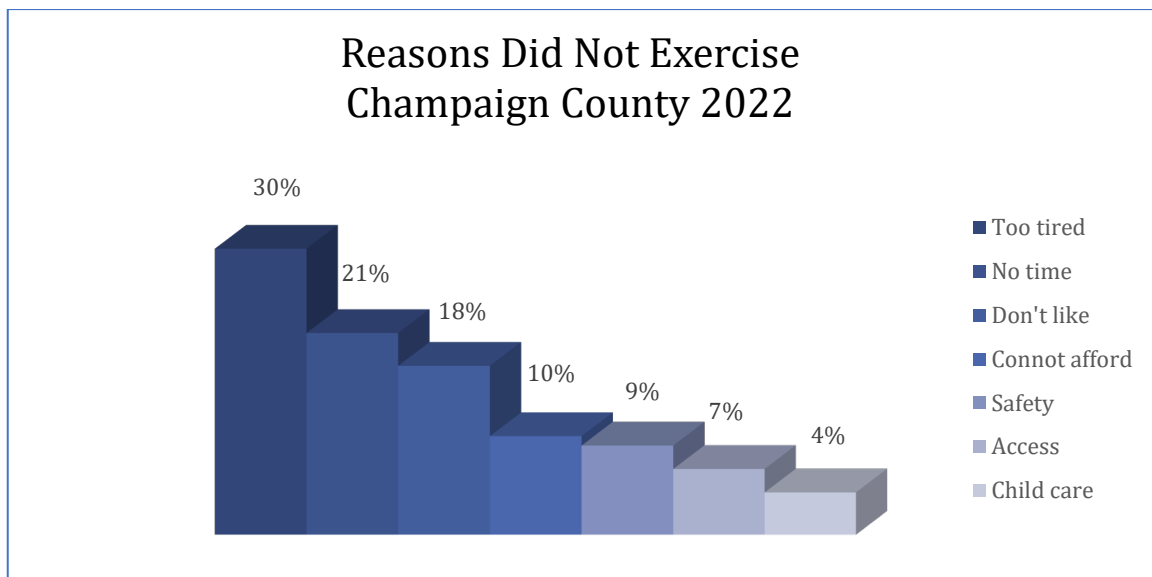
Figure 27



Source: CHNA Survey

To find out why some residents do not exercise at all, a follow up question was asked. The most common reasons for not exercising are not having enough energy (30%) or time (21%) and a dislike of exercise (18%) (Figure 28).

Figure 28



Source: CHNA Survey



## Social Determinants Related to Exercise

Multiple characteristics show significant relationships with frequency of exercise. The following relationships were found using correlational analyses:

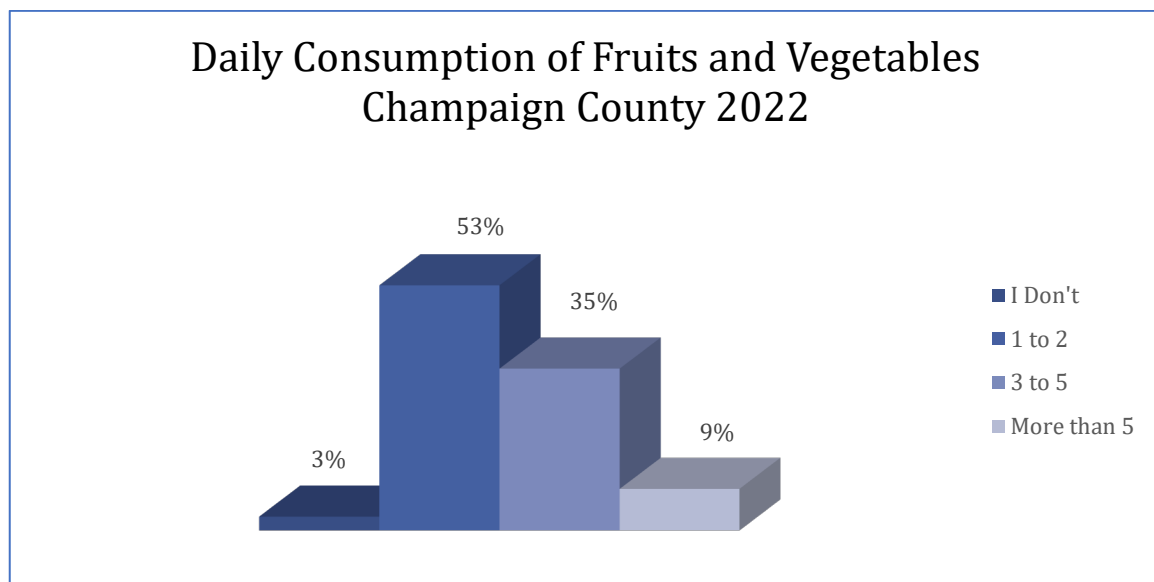
- **Frequency of exercise** tends to be more likely for women, Asian people, those with a higher level of education and those with higher income. Frequency of exercise tends to be less likely for Black people.

## Healthy Eating

A healthy lifestyle, comprised of a proper diet, has been shown to increase physical, mental and emotional well-being. Consequently, nutrition and diet are critical to preventative care.

Over half (56%) of residents report no consumption or low consumption (1-2 servings per day) of fruits and vegetables per day. Note that the percentage of residents who consume more than 5 servings per day is only 9% (Figure 29).

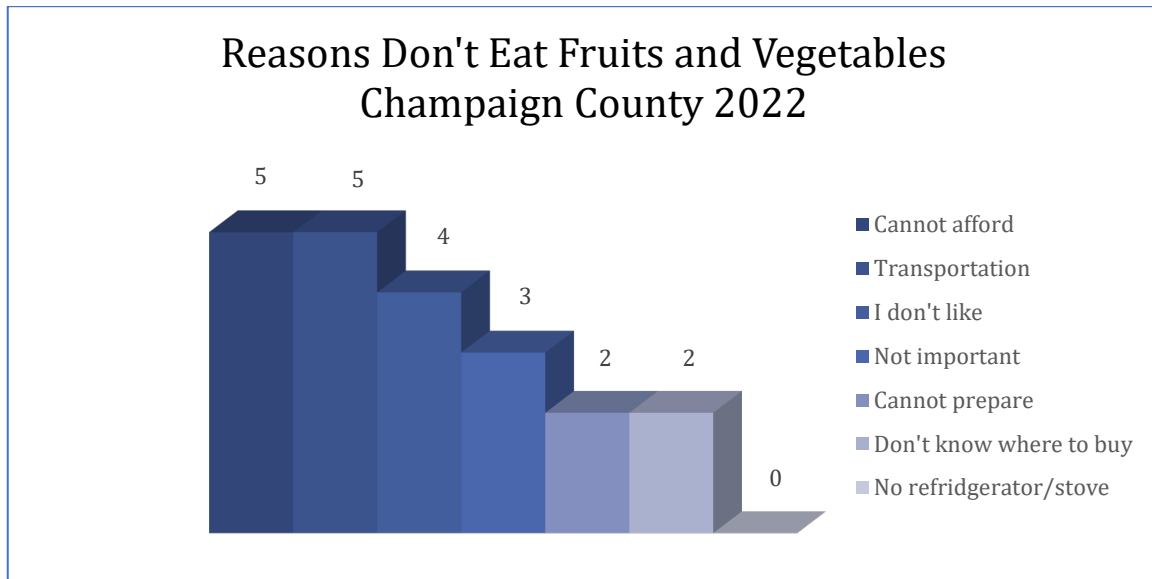
Figure 29



Source: CHNA Survey

Those individuals who indicated they do not eat any fruits or vegetables were asked a follow up question. Reasons most frequently given for failing to eat more fruits and vegetables were cost (5) and transportation (5) (Figure 30). Note that these data are displayed in frequencies rather than percentages given the low number of responses.

Figure 30



Source: CHNA Survey



## Social Determinants Related to Healthy Eating

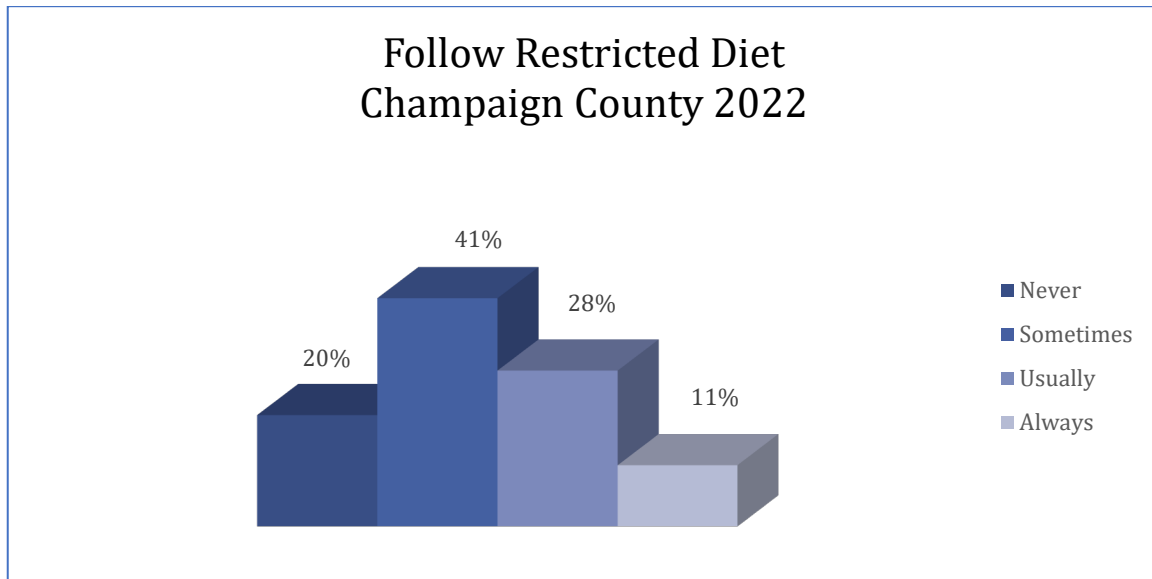
Multiple characteristics show significant relationships with healthy eating. The following relationships were found using correlational analyses:

- **Consumption of fruits and vegetables** tends to be more likely for women, older people, LatinX people, those with a higher level of education and those with higher income. Consumption of fruits and vegetables tends to be less likely for Black people and people in an unstable (e.g., homeless) housing environment.

## Restricted Diet

Respondents were also asked if they followed a restricted diet if recently diagnosed with a morbidity. Of respondents, 39% usually or always follow a restricted diet (Figure 31).

Figure 31



Source: CHNA Survey

## Health Literacy

Health literacy is a measure of factors in the community that impact healthcare access, navigation and adherence. Key risk influencers include culture, demographics and education. For Champaign County, 13% of the population is at elevated risk for health literacy. This is lower than the State of Illinois average of 34% (SocialScape® powered by SociallyDetermined®, 2022).

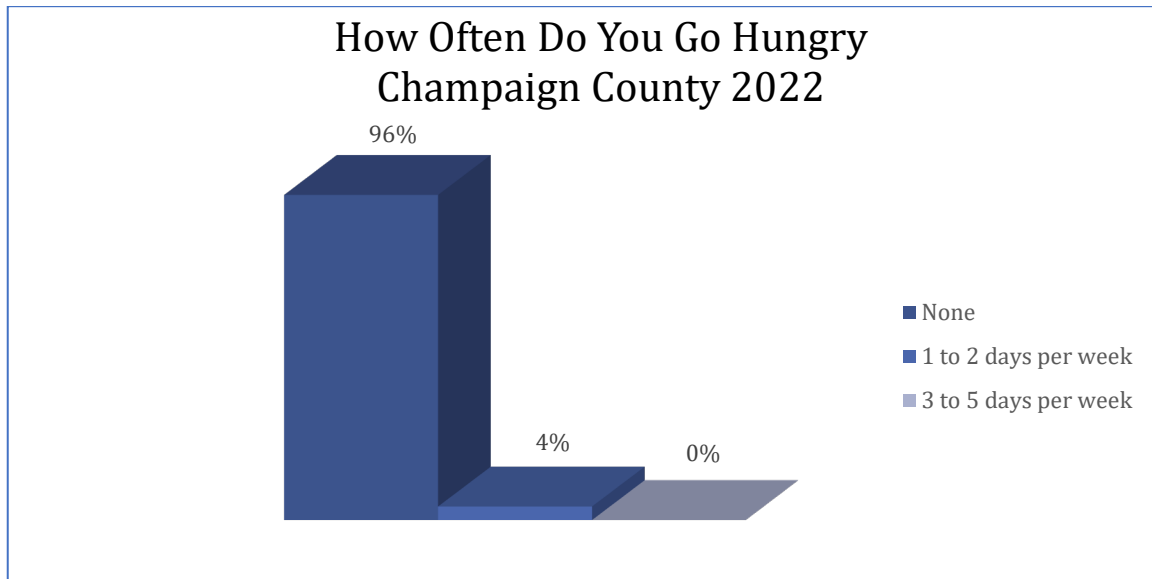
## 2.3 Understanding Food Insecurity

*Importance of the measure:* It is essential that everyone has access to food and drink necessary for living healthy lives. Food insecurity exists when people don't have physical and economic access to sufficient, safe and nutritious food that meets their dietary needs for a healthy life.

## Prevalence of Hunger

Respondents were asked, "How many days a week do you or your family members go hungry?" The vast majority of respondents indicated they do not go hungry (96%), however, 4% indicated they go hungry 1-to-2 days per week (Figure 32).

Figure 32



Source: CHNA Survey



## Social Determinants Related to Prevalence of Hunger

Multiple characteristics show significant relationships with hunger. The following relationships were found using correlational analyses:

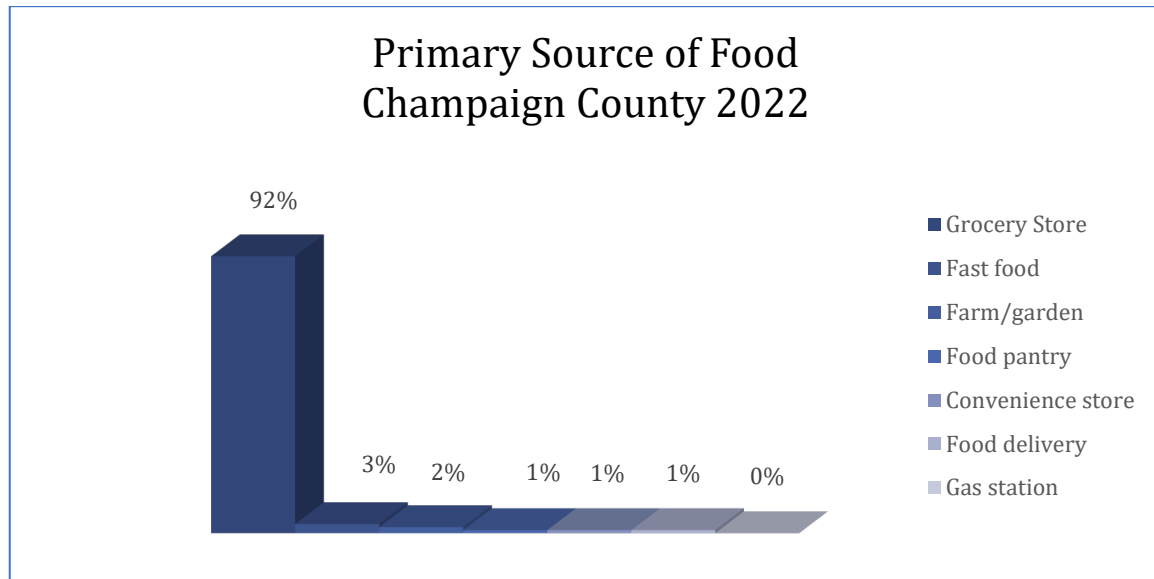
- **Prevalence of Hunger** tends to be more likely for younger people, Black people, those with less education, less income and those in an unstable (e.g., homeless) housing environment. White people are less likely to go hungry.

## Primary Source of Food

Respondents were asked to identify their primary source of food. It can be seen that the majority (92%) identified a grocery store (Figure 33).



Figure 33



Source: CHNA Survey

## Food Landscape

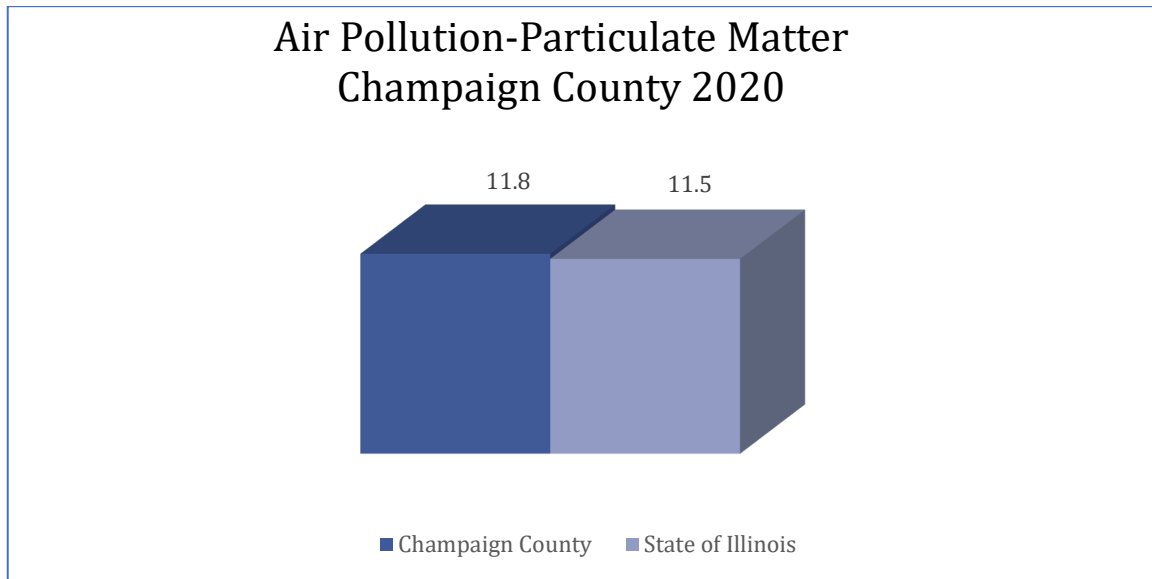
Food landscape is a measure a community's access to sufficient, affordable and nutritious food. Key risk influencers include accessibility, affordability and literacy. For Champaign County, 36% of the population is at elevated risk for food landscape. This is higher than the State of Illinois average of 25% (SocialScape® powered by SociallyDetermined®, 2022).

## 2.4 Physical Environment

*Importance of the measure:* According to the County Health Rankings, Air Pollution - Particulate Matter (APPM) is the average daily density of fine particulate matter in micrograms per cubic meter (PM2.5) in a county. Fine particulate matter is defined as particles of air pollutants with an aerodynamic diameter less than 2.5 micrometers. These particles can be directly emitted from sources such as forest fires, or they can form when gases are emitted from power plants, manufacturing facilities and automobiles.

The relationship between elevated air pollution, particularly fine particulate matter and ozone, and compromised health has been well documented. Negative consequences of ambient air pollution include decreased lung function, chronic bronchitis, asthma and other adverse pulmonary effects. The APPM for Champaign County (11.8) is slightly higher than the State average of 11.5 (Figure 34).

Figure 34



Source: County Health Rankings 2021

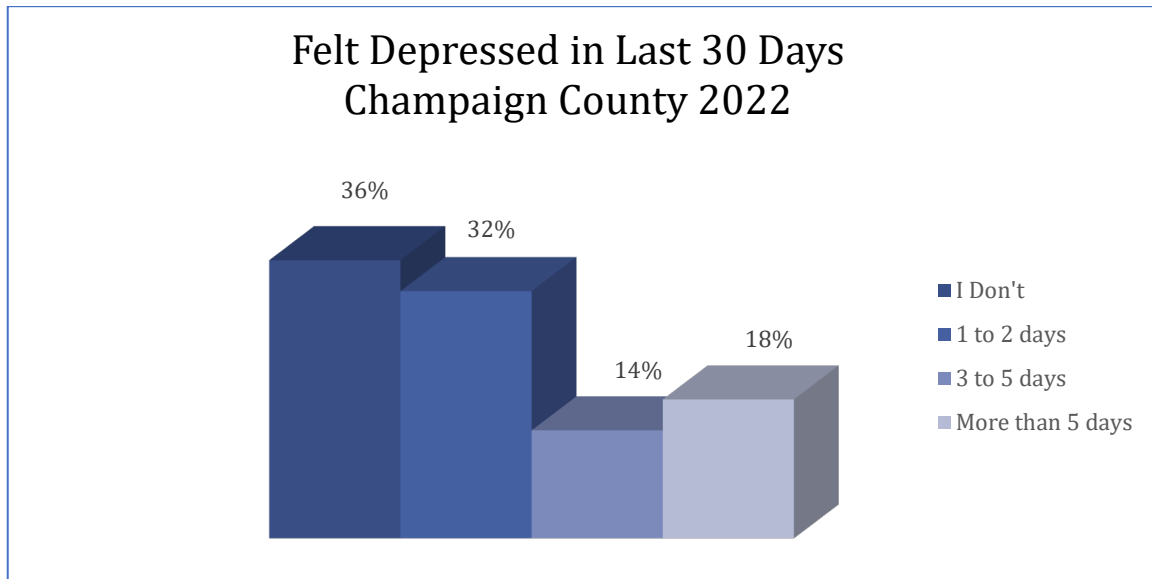
## 2.5 Health Status

*Importance of the measure:* Self-perceptions of health can provide important insights to help manage population health. Not only do self-perceptions provide benchmarks regarding health status, but they can also provide insights into how accurately people perceive their own health.

### Mental Health

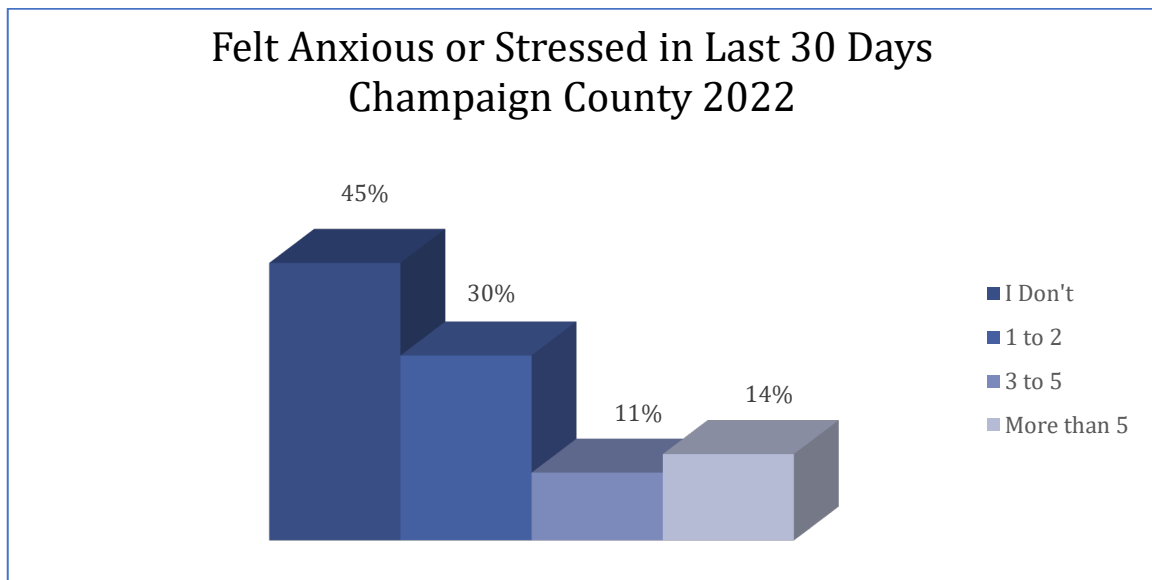
The survey asked respondents to indicate specific issues, such as depression and stress/anxiety. Of respondents, 36% indicated they did not feel depressed in the last 30 days (Figure 35) and 45% indicated they did not feel anxious or stressed (Figure 36).

Figure 35



Source: CHNA Survey

Figure 36



Source: CHNA Survey



## Social Determinants Related to Behavioral Health

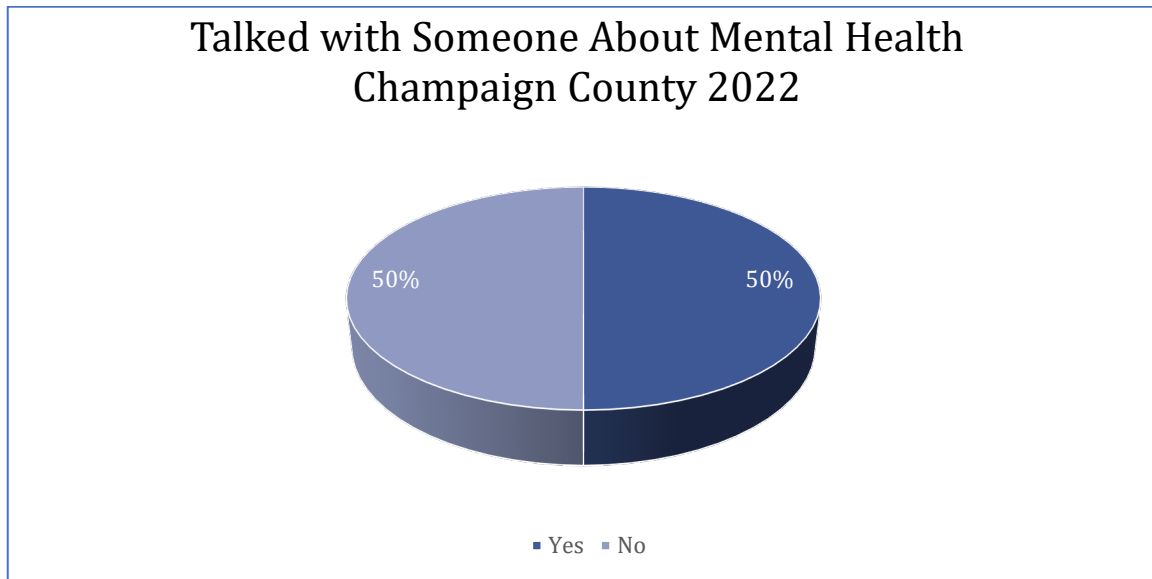
Multiple characteristics show significant relationships with behavioral health. The following relationships were found using correlational analyses:

- **Depression** tends to be rated higher for women, younger people and those with less income.

- **Stress and anxiety** tends to be rated higher for women, younger people, those with less education and those with less income. Stress and anxiety tends to be rated lower by Asian people.

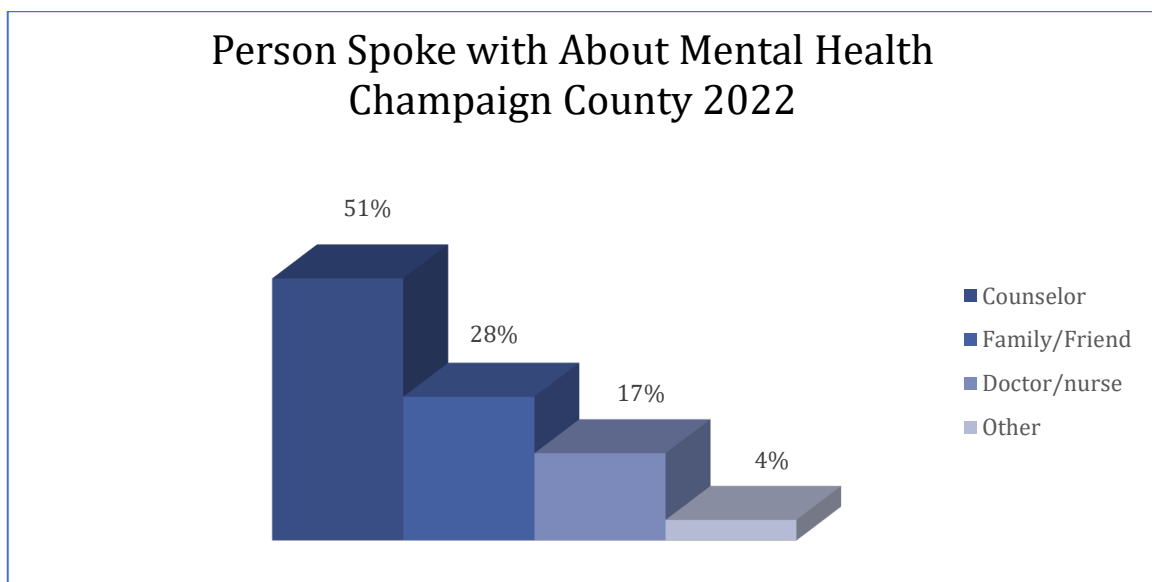
Respondents were also asked if they spoke with anyone about their mental health in the past year. Of respondents, 50% indicated they spoke to someone (Figure 37). The most common response was a counselor (51%) (Figure 38).

Figure 37



Source: CHNA Survey

Figure 38

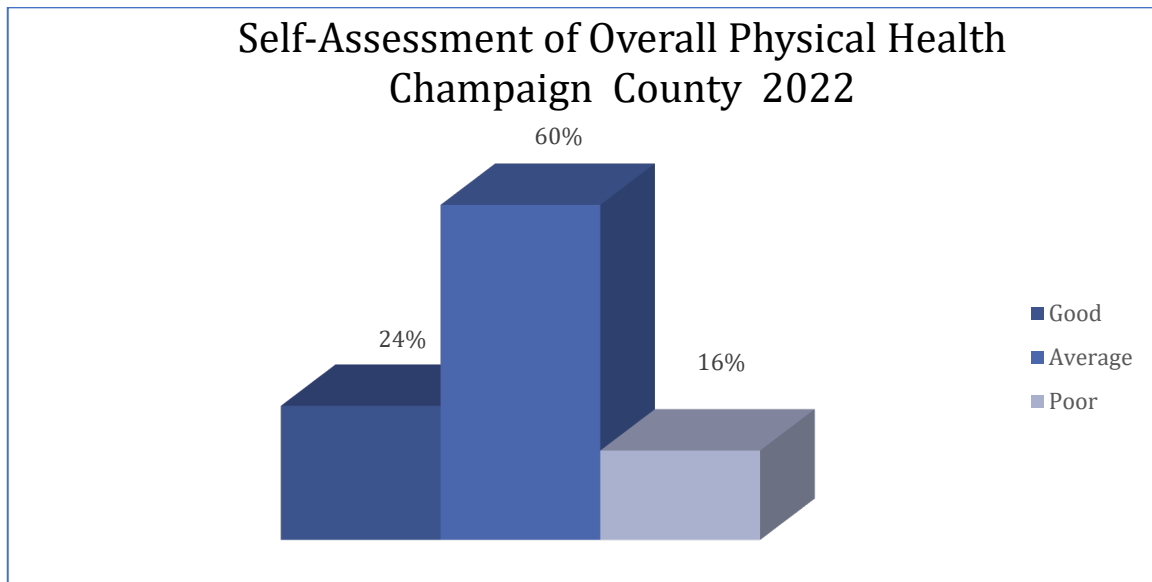


Source: CHNA Survey

## Self-Perceptions of Overall Health

In regard to self-assessment of overall physical health, 16% of respondents report having poor overall physical health (Figure 39).

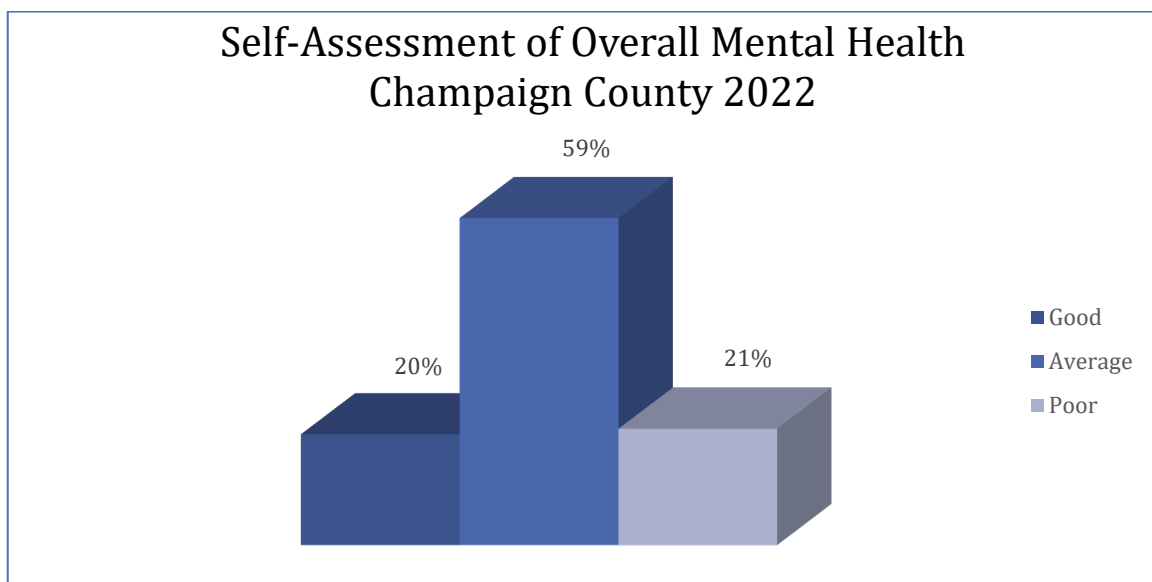
Figure 39



Source: CHNA Survey

In regard to self-assessment of overall mental health, 21% of respondents stated they have poor overall mental health (Figure 40).

Figure 40



Source: CHNA Survey



## Social Determinants Related to Self-Perceptions of Health

Multiple characteristics show significant relationships with self-perceptions of health. The following relationships were found using correlational analyses:

- **Perceptions of physical health** tend to be higher for those with higher education and income. Perceptions of physical health tends to be lower for women and LatinX people.
- **Perceptions of mental health** tend to be higher for older people, Black people, those with higher education and higher income. Perceptions of mental health tends to be lower for women and LatinX people.

## 2.6 Key Takeaways from Chapter 2

- ✓ MAJORITY OF PEOPLE USE CLINIC/DR. OFFICE AS A PRIMARY SOURCE OF HEALTHCARE.
- ✓ HIGH RATE OF PEOPLE WHO DO NOT HAVE ACCESS TO MENTAL HEALTH COUNSELING.
- ✓ PROSTATE SCREENING IS RELATIVELY LOW COMPARED TO BREAST, CERVICAL AND COLORECTAL SCREENING.
- ✓ THE MAJORITY OF PEOPLE EXERCISE LESS THAN 2 TIMES PER WEEK AND CONSUME 2 OR FEWER SERVINGS OF FRUITS/VEGETABLES PER DAY.
- ✓ THE MAJORITY OF RESPONDENTS EXPERIENCED DEPRESSION AND STRESS IN THE LAST 30 DAYS.
- ✓ ONLY 39% OF PEOPLE DIAGNOSED WITH A MORBIDITY FOLLOW A RESTRICTED DIET.
- ✓ THERE IS AN ELEVATED RISK OF FOOD INSECURITY.
- ✓ WHILE LOWER THAN THE STATE AVERAGE, HEALTH LITERACY ISSUES STILL EXIST.

## CHAPTER 3 OUTLINE

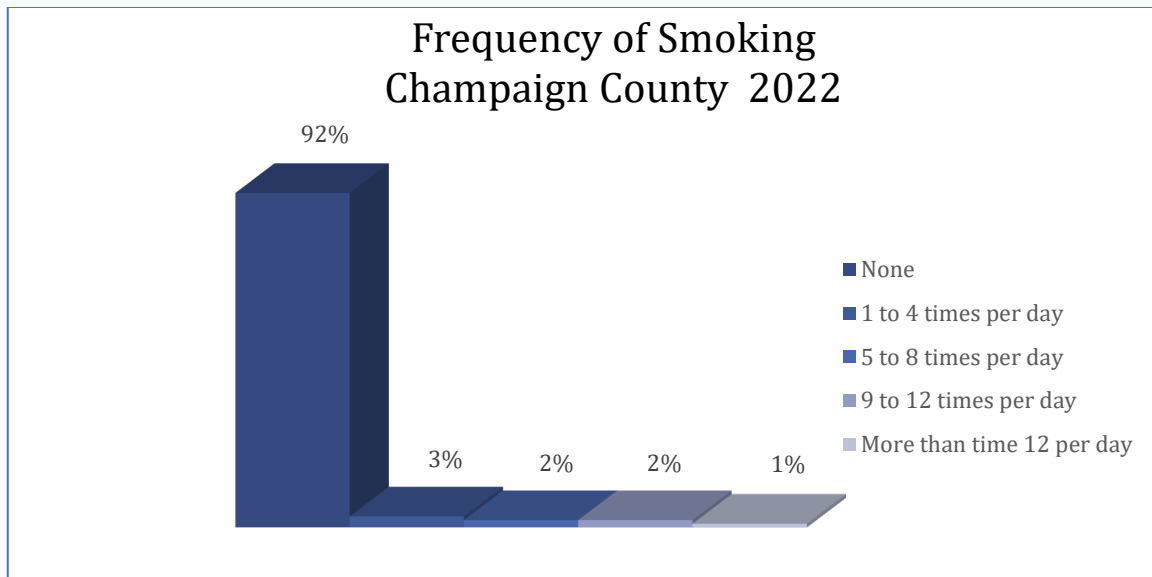
- 3.1 Tobacco Use
- 3.2 Drug and Alcohol Use
- 3.3 Overweight and Obesity
- 3.4 Predictors of Heart Disease
- 3.5 Key Takeaways from Chapter 3

# CHAPTER 3: SYMPTOMS AND PREDICTORS

## 3.1 Tobacco Use

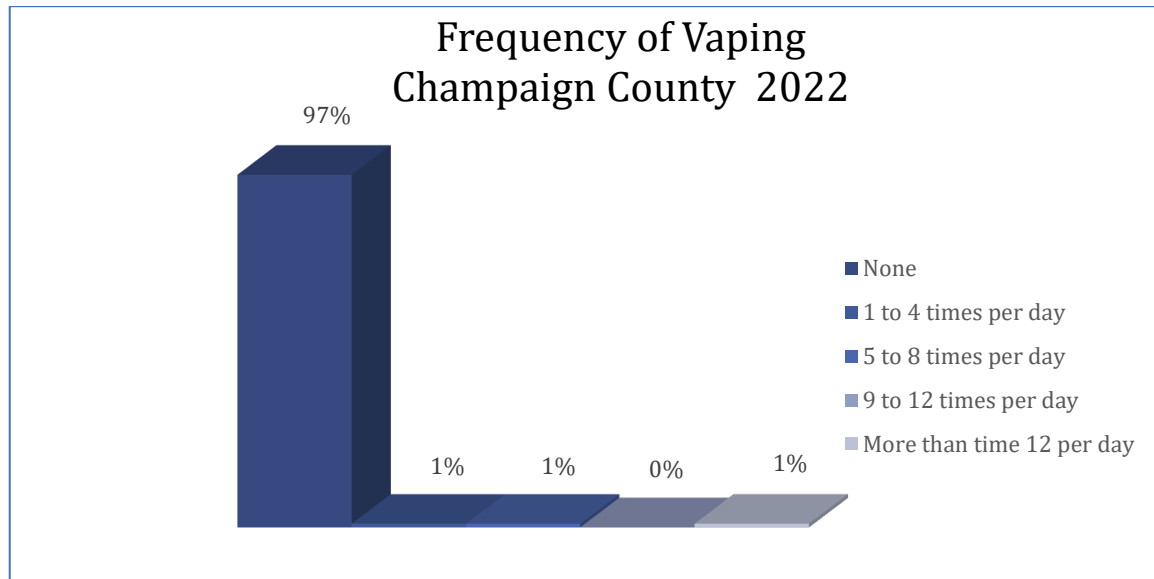
CHNA survey data show 92% of respondents do not smoke (Figure 41) and 97% of respondents do not vape (Figure 42).

Figure 41



Source: CHNA Survey

Figure 42



Source: CHNA Survey



## Social Determinants Related to Smoking or Vaping

Multiple characteristics show significant relationships with smoking or vaping. The following relationships were found using correlational analyses:

- **Smoking** tends to be rated higher those with less education.
- **Vaping** tends to be rated higher by younger people, and those with less education and a lower income.

## 3.2 Drug and Alcohol Abuse

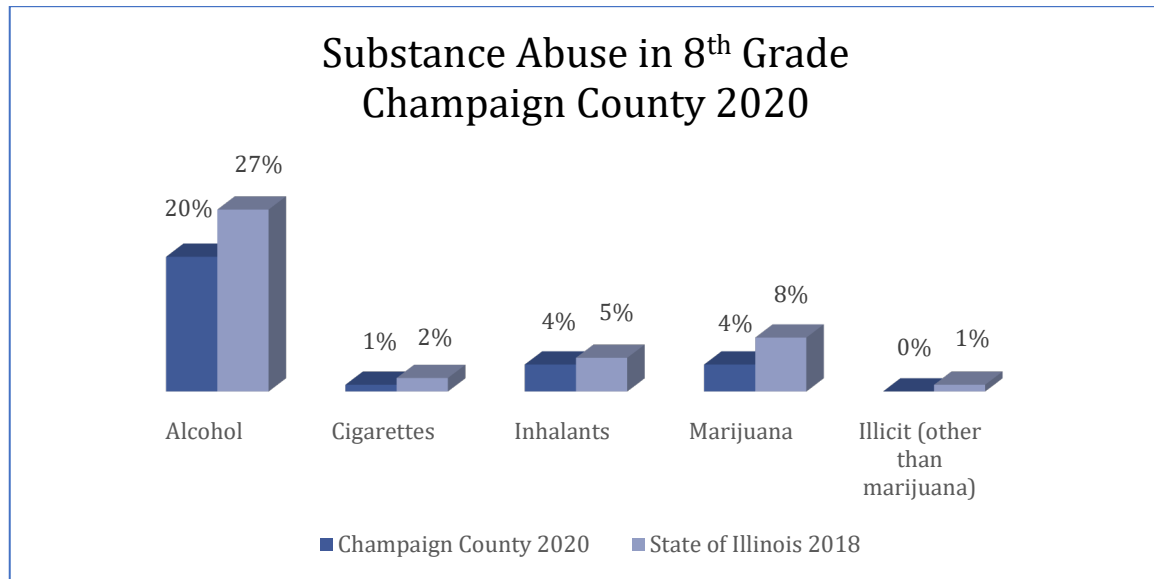
*Importance of the measure:* Alcohol and drugs impair decision-making, often leading to adverse consequences and outcomes. Research suggests that alcohol is a gateway drug for youth, leading to increased usage of controlled substances in adult years. Accordingly, the substance abuse values and behaviors of high school students is a leading indicator of adult substance abuse in later years.

### Youth Substance Abuse

Data from the Illinois Youth Survey measures illegal substance use (alcohol, tobacco and other drugs – including inhalants) among adolescents. Champaign County data reported for 2020, State of Illinois reporting 2018 data. Figure 43 illustrates that Champaign County came in lower than the State of Illinois averages in all categories. Among 12th graders, Champaign County is lower in all categories than the State of Illinois data (Figure 44).

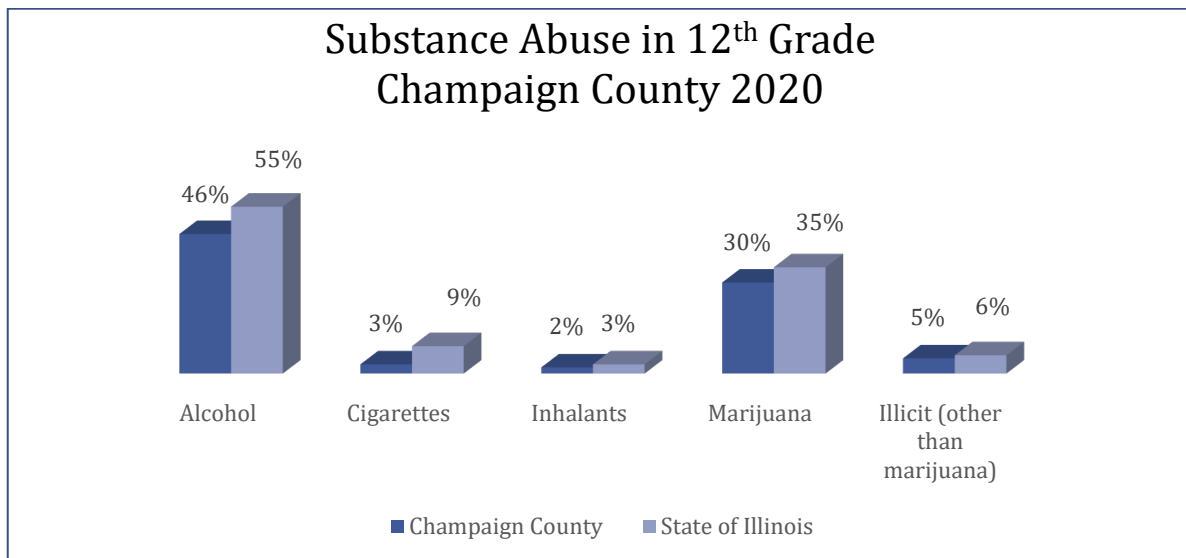


Figure 43



Source: University of Illinois Center for Prevention Research and Development

Figure 44

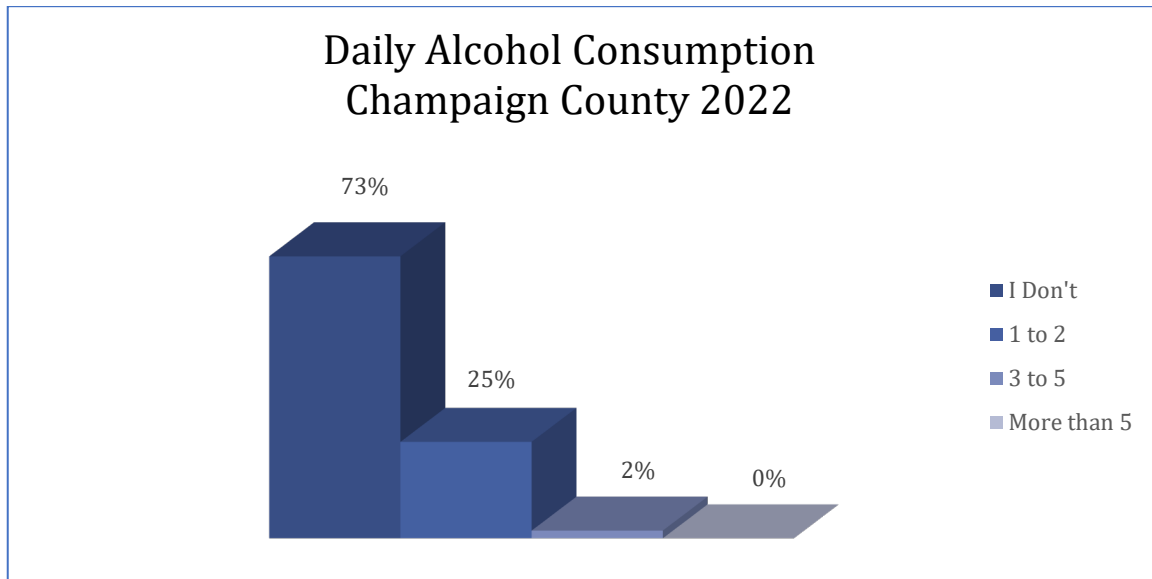


Source: University of Illinois Center for Prevention Research and Development

## Adult Substance Abuse

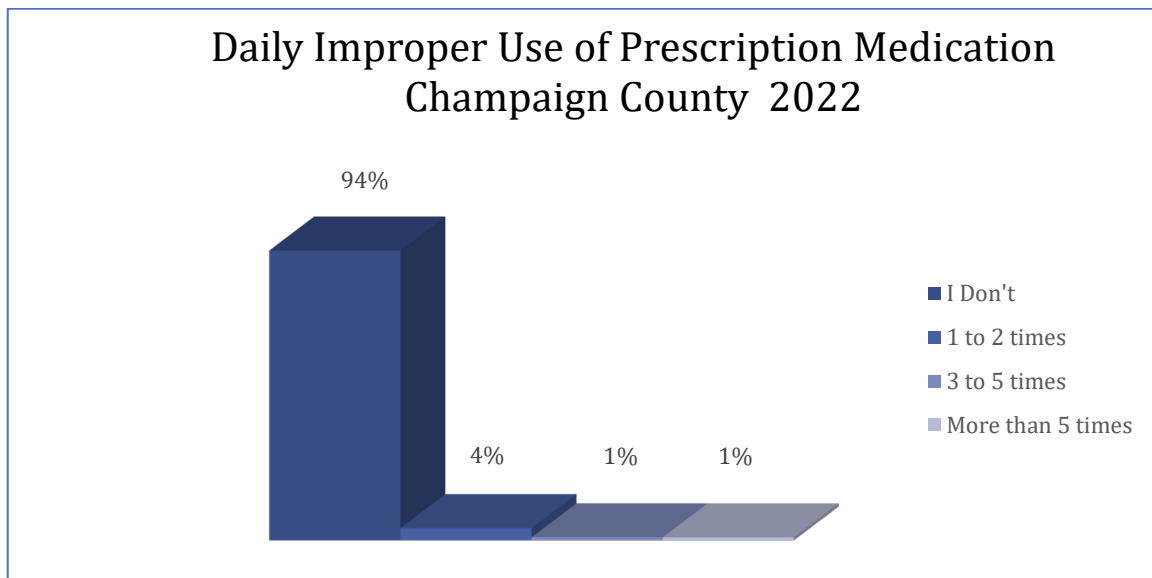
The CHNA survey asked respondents to indicate usage of several substances. Of respondents, 73% indicated they did not consume alcohol on a typical day (Figure 45), 94% indicated they do not take prescription medication improperly including opioids on a typical day (Figure 46), 87% indicated they do not use marijuana on a typical day (Figure 47) and 99% indicated they do not use illegal substances on a typical day (Figure 48).

Figure 45



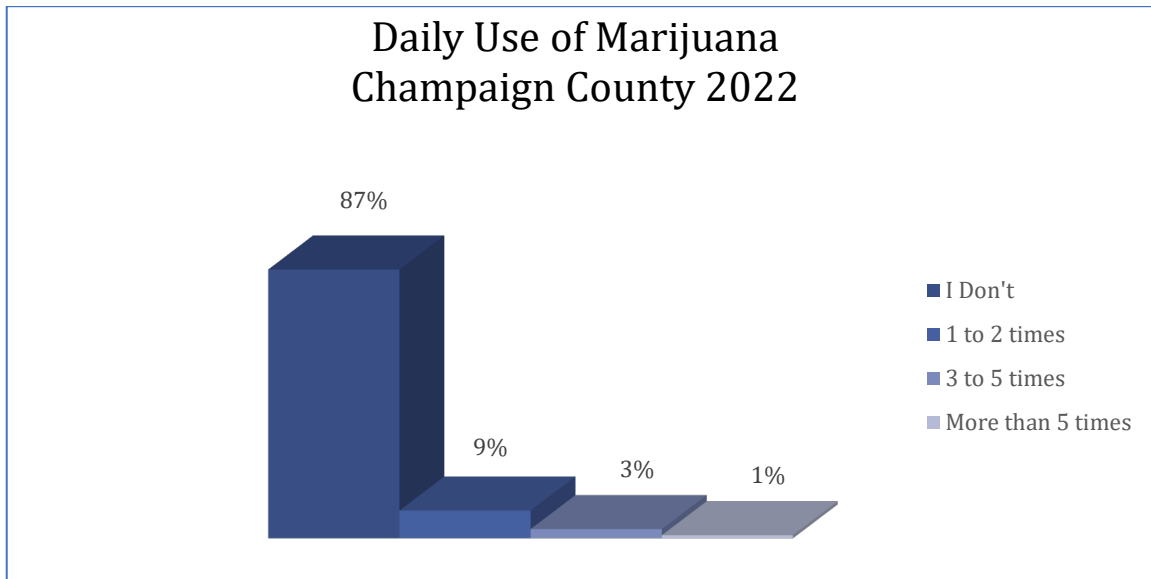
Source: CHNA Survey

Figure 46



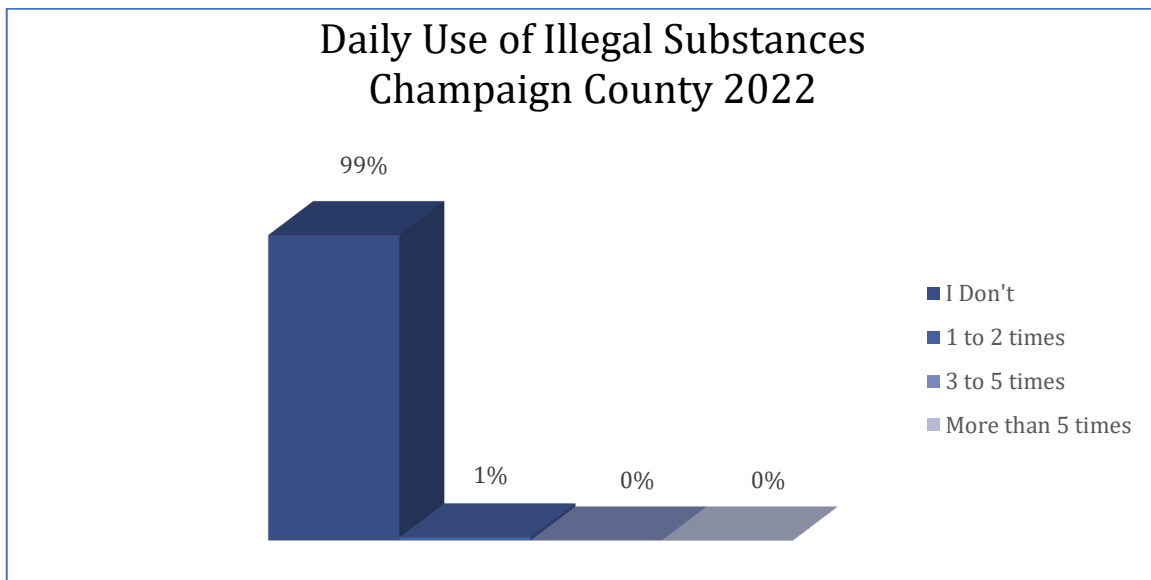
Source: CHNA Survey

Figure 47



Source: CHNA Survey

Figure 48



Source: CHNA Survey



## Social Determinants Related to Substance Use

Multiple characteristics show significant relationships with substance abuse. The following relationships were found using correlational analyses:

- **Alcohol consumption** tends to be higher for men, older people and those with more income.

- **Misuse of prescription medication including opioids** tends to be higher for Black people and those with less education and less income. Misuse of prescription medication tends to be rated lower for White people.
- **Marijuana use** tends to be higher for younger people and those with less education and less income.
- **Illegal substance use** tends to be higher for men, Black people, and those with less education and less income. Illegal substance use tends to be lower for White people.

### 3.3 Overweight and Obesity

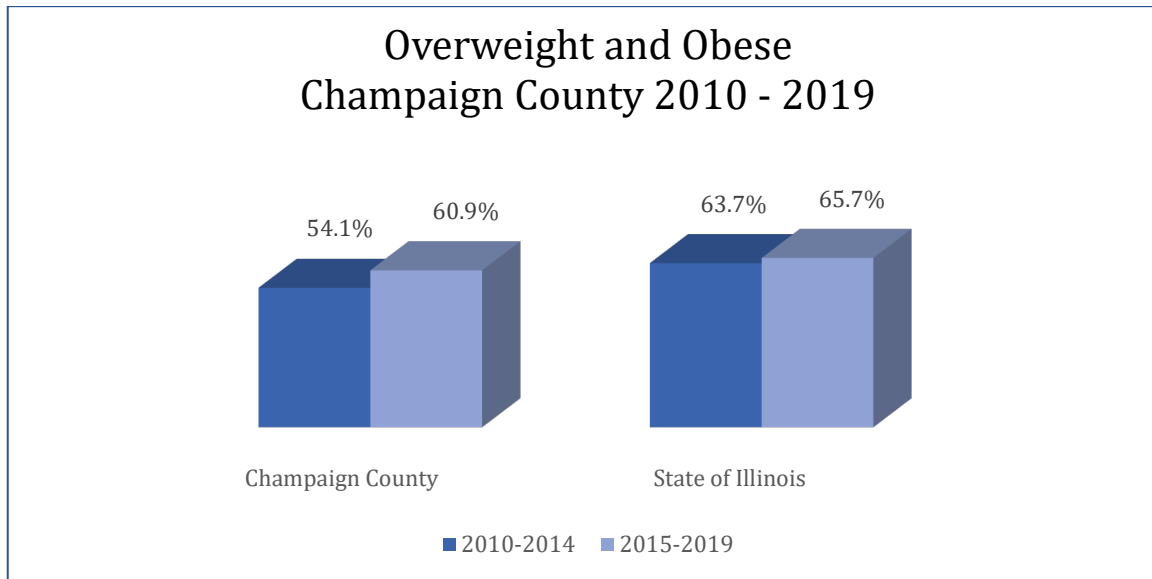
*Importance of the measure:* Individuals who are overweight and obese place greater stress on their internal organs, thus increasing the propensity to utilize health services. Research strongly suggests that obesity is a significant problem facing youth and adults nationally, in Illinois, and within Champaign County. The US Surgeon General has characterized obesity as “the fastest-growing, most threatening disease in America today.” According to the Obesity Prevention Initiative from the Illinois General Assembly, 20% of Illinois children are obese. The financial burden of overweight and obese individuals is staggering, as the estimated annual medical costs attributed to obesity in Illinois for 1998-2000 exceeded \$3.4 billion, ranking Illinois 6th in the nation for obesity-attributed medical costs.

With children, research has linked obesity to numerous chronic diseases including Type II diabetes, hypertension, high blood pressure and asthma. Adverse physical health side effects of obesity include orthopedic problems due to weakened joints and lower bone density. Detrimental mental health side effects include low self-esteem, poor body image, symptoms of depression and suicide ideation. Obesity impacts educational performance as well; studies suggest school absenteeism of obese children is six times higher than that of non-obese children.

With adults, obesity has far-reaching consequences. Testimony to the Illinois General Assembly indicated that obesity-related illnesses contribute to worker absenteeism, slow workflow, and high worker compensation rates. A Duke University study on the effects of obesity in the workforce noted 13 times more missed workdays by obese employees than non-obese employees. Nationwide, lack of physical activity and poor nutrition contribute to an estimated 300,000 preventable deaths per year.

In Champaign County, the number of people diagnosed with obesity and being overweight has increased over the years from 2010-2014 to 2015-2019. Note specifically that the percentage of obese and overweight people has increased from 54.1% to 60.9%. Overweight and obesity rates in Illinois has also increased from 2010-2014 (63.7%) to 2015-2019 (65.7%) (Figure 49). Note that data have not been updated by the Illinois Department of Public Health. However, note in the 2022 CHNA survey, respondents indicated that being overweight was their most prevalently diagnosed health condition.

Figure 49

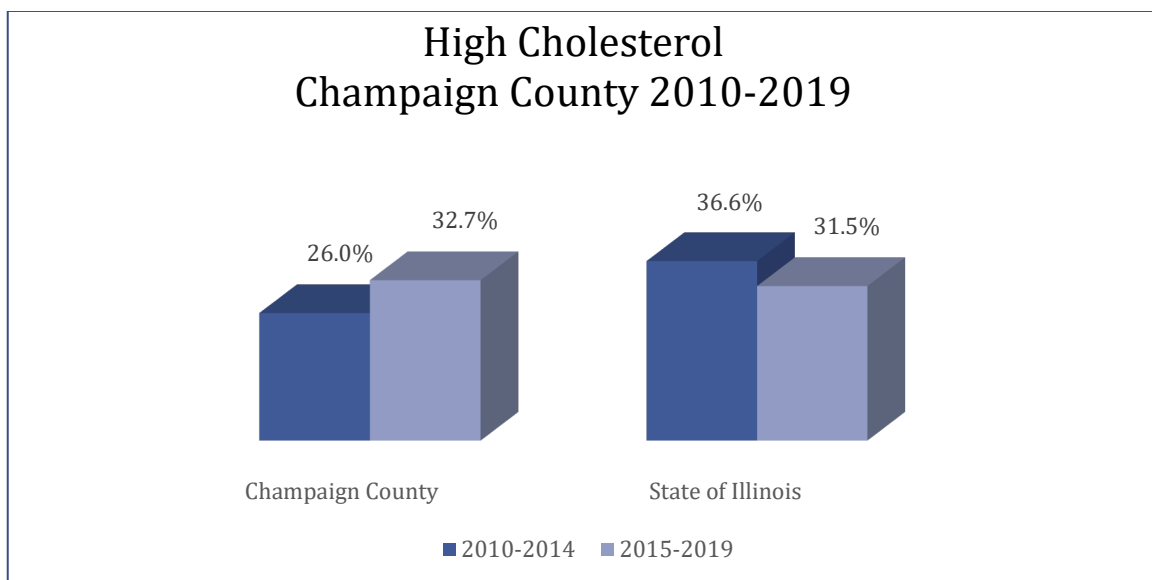


Source: Illinois Behavioral Risk Factor Surveillance System

### 3.4 Predictors of Heart Disease

Residents in Champaign County report a higher than State average prevalence of high cholesterol for 2015-2019. The percentage of residents who report they have high cholesterol in Champaign County is 32.7% compared to the State of Illinois average of 31.5% (Figure 50). Note that data have not been updated past 2019 by the Illinois Department of Public Health.

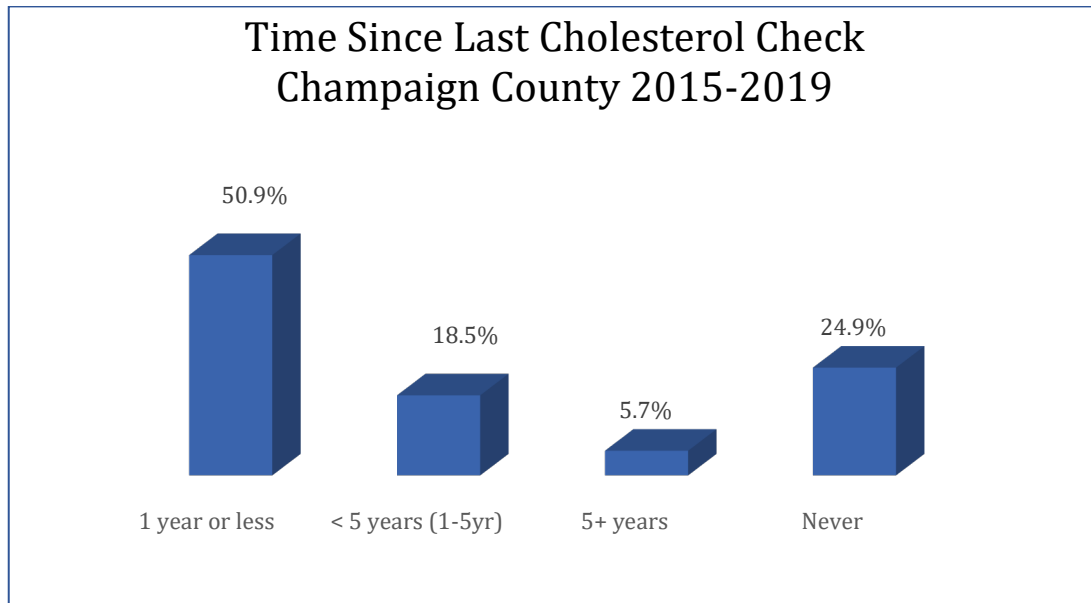
Figure 50



Source: Illinois Behavioral Risk Factor Surveillance System

However, most (50.9%) residents of Champaign County report having their cholesterol checked recently, whereas 24.9% report never having their cholesterol checked for the same time period (Figure 51). Note that data have not been updated by the Illinois Department of Public Health past 2019.

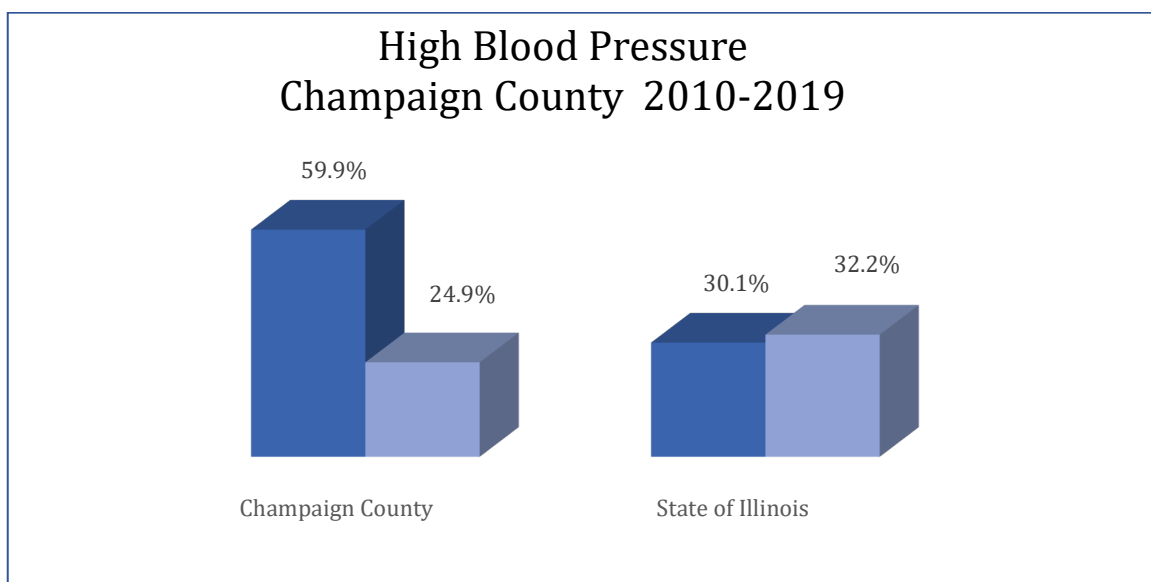
*Figure 51*



*Source: Illinois Behavioral Risk Factor Surveillance System*

With regard to high blood pressure, Champaign County has a lower percentage of residents with high blood pressure than residents in the State of Illinois as a whole. The percentage of Champaign County residents reporting they have high blood pressure from 2015 – 2019 was 24.9% (Figure 52). Note that data have not been updated past 2019 by the Illinois Department of Public Health.

*Figure 52*



*Source: Illinois Behavioral Risk Factor Surveillance System*

## 3.5 Key Takeaways from Chapter 3

- ✓ SUBSTANCE USAGE AMONG 8TH GRADERS AND 12<sup>TH</sup> GRADERS IS LOWER THAN STATE AVERAGES IN ALL CATEGORIES.
- ✓ THE PERCENTAGE OF PEOPLE WHO ARE OVERWEIGHT AND OBESE HAS INCREASED BUT IS STILL LESS THAN STATE AVERAGES.
- ✓ CHOLESTEROL LEVELS HAVE INCREASED.
- ✓ A SIGNIFICANT PERCENT OF THE POPULATION (6%) MISUSES PRESCRIPTION MEDICATION INCLUDING OPIOIDS.

## CHAPTER 4 OUTLINE

- 4.1 Self-Identified Health Conditions
- 4.2 Healthy Babies
- 4.3 Cardiovascular Disease
- 4.4. Respiratory
- 4.5 Cancer
- 4.6 Diabetes
- 4.7 Infectious Disease
- 4.8 Injuries
- 4.9 Mortality
- 4.10 Key Takeaways from Chapter 4

## CHAPTER 4: MORBIDITY AND MORTALITY

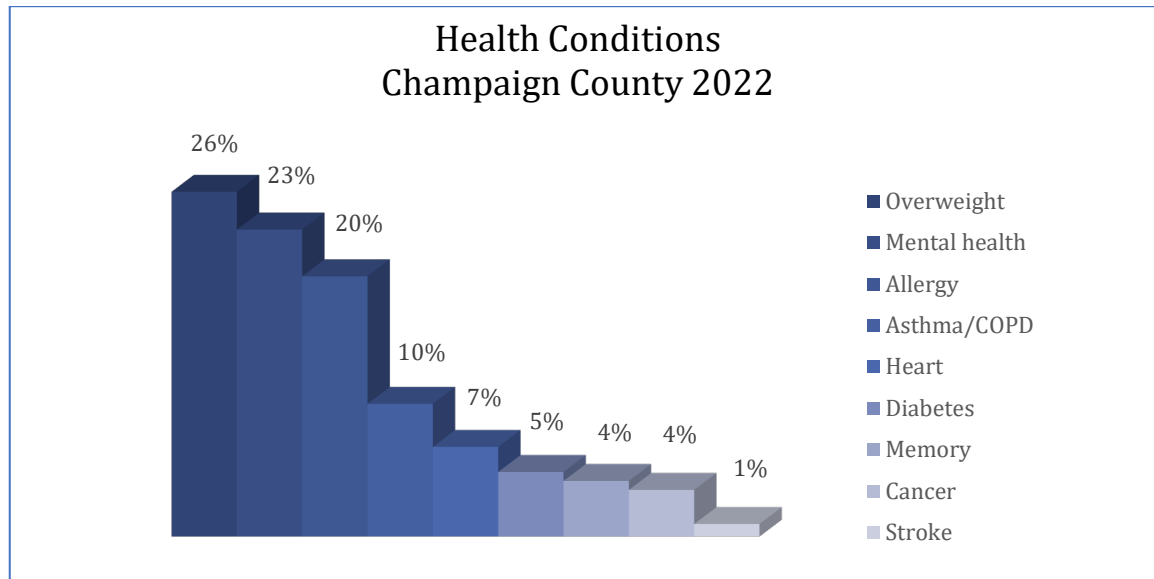
Given the lack of recent disease/morbidity data from existing secondary data sources, much of the data used in this chapter was manually gathered from Champaign County hospitals using COMPdata Informatics. Note that hospital-level data only show hospital admissions and do not reflect outpatient treatments and procedures.

### 4.1 Self-Identified Health Conditions

Survey respondents were asked to self-identify any health conditions. Note that being overweight (26%) was significantly higher than any other health conditions (Figure 53). This percentage is significantly lower than secondary sources. Specifically, Illinois Behavioral Risk Factor Surveillance System (BRFSS) data indicate that roughly two-thirds of the population is overweight or obese. Most other self-identified morbidities reflected existing sources of secondary data accurately (e.g., cancer 4%).



Figure 53



Source: CHNA Survey

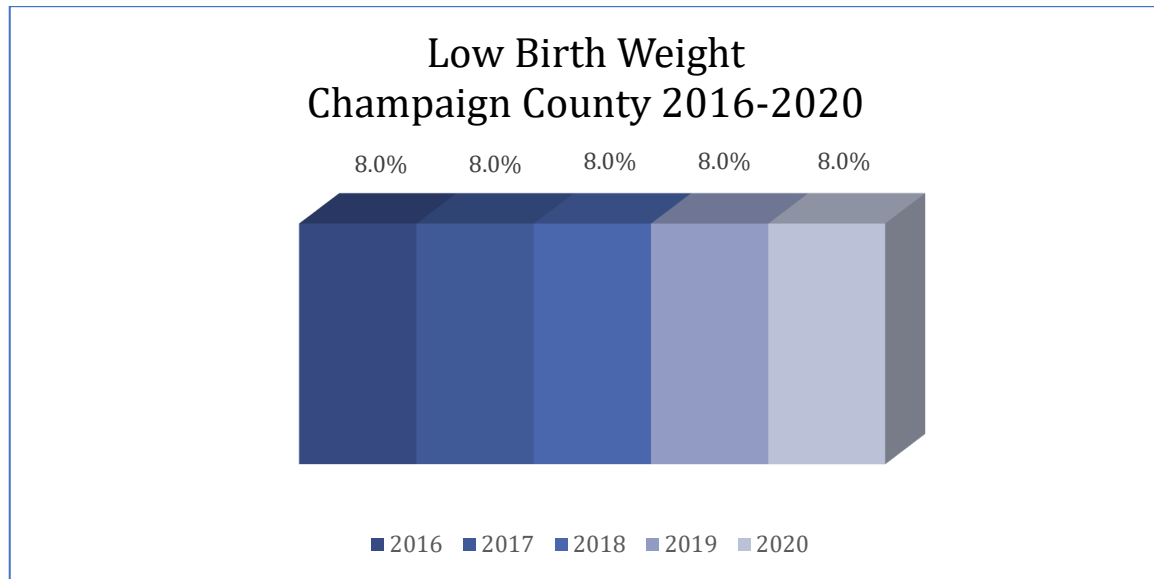
## 4.2 Healthy Babies

*Importance of the measure:* Regular prenatal care is a vital aspect in producing healthy babies and children. Screening and treatment for medical conditions as well as identification and interventions for behavioral risk factors associated with poor birth outcomes are important aspects of healthy babies. Research suggests that women who receive adequate prenatal care are more likely to have better birth outcomes, such as full term and normal weight babies.

### Low Birth Weight Rates

Low birth weight rate is defined as the percentage of infants born below 2,500 grams or 5.5 pounds. Very low birth weight rate is defined as the percentage of infants born below 1,500 grams or 3.3 pounds. In contrast, the average newborn weighs about 7 pounds. The percentage of babies born with low birth weight in Champaign County has remained constant over the five-year period 2016-2020 (8.0%) (Figure 54).

Figure 54



Source: County Health Ranking 2020

## 4.3 Cardiovascular Disease

*Importance of the measure:* Cardiovascular disease is defined as all diseases of the heart and blood vessels, including ischemic (also known as coronary) heart disease, cerebrovascular disease, congestive heart failure, hypertensive disease and atherosclerosis.

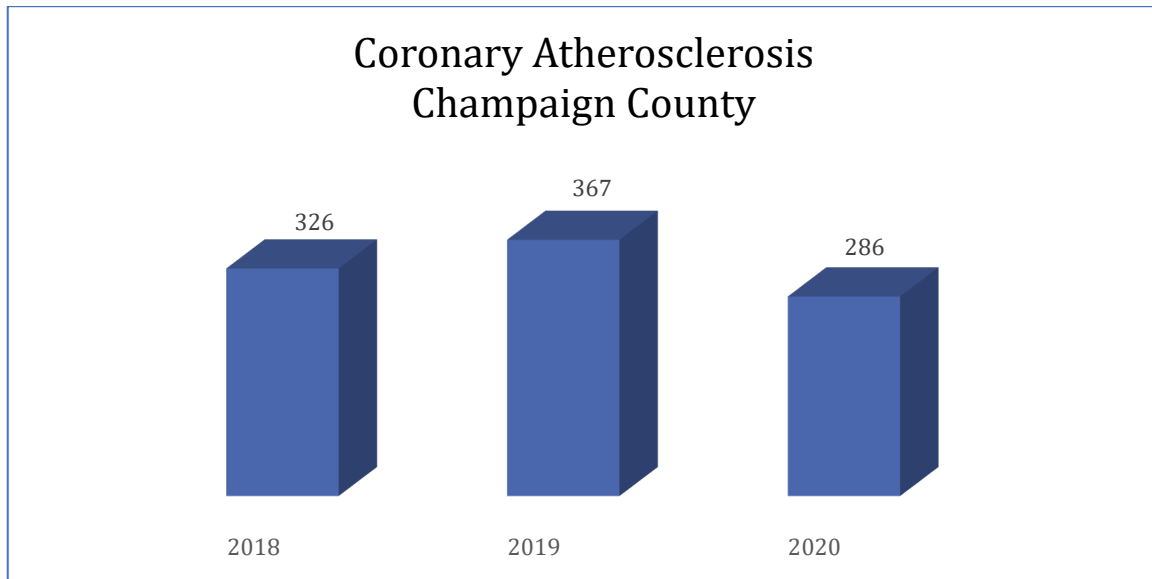
### Coronary Atherosclerosis

Coronary Atherosclerosis, sometimes-called hardening of the arteries, can slowly narrow and harden the arteries throughout the body. When atherosclerosis affects the arteries of the heart, it is called coronary artery disease.

Coronary artery disease is a leading cause of death for Americans. Most of these deaths are from heart attacks caused by sudden blood clots in the heart's arteries.

The number of cases of coronary atherosclerosis complication in Champaign County area hospitals has decreased from 326 cases in 2018 to 286 in 2020 (Figure 55). Note that hospital-level data only show hospital admissions and do not reflect out-patient treatments and procedures.

Figure 55

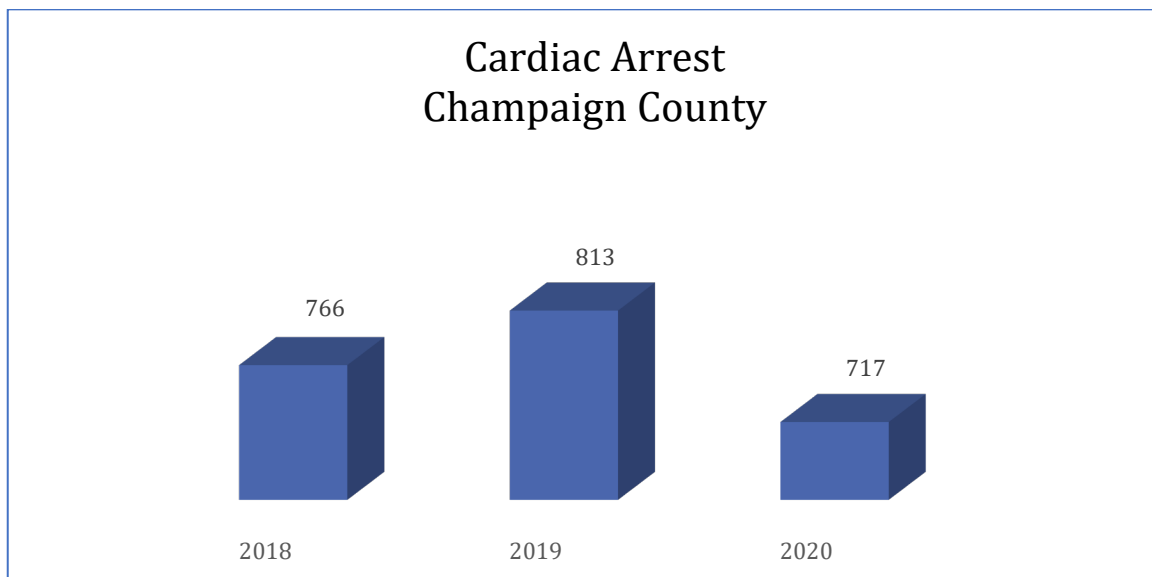


Source: COMPdata Informatics 2021

## Cardiac Arrest

Cases of dysrhythmia and cardiac arrest at Champaign County area hospitals decreased from 766 in 2018 to 717 in 2020 (Figure 56). Note that hospital-level data only show hospital admissions.

Figure 56

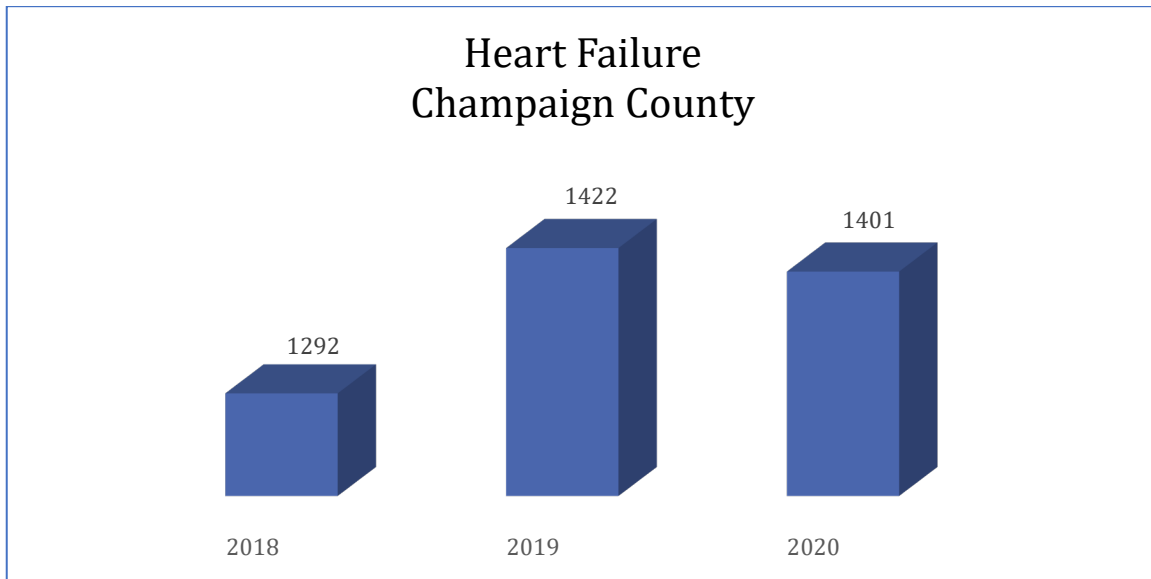


Source: COMPdata 2021

## Heart Failure

The number of treated cases of heart failure at Champaign County area hospitals increased in 2019, followed by a decrease in 2020 (Figure 57). Note that hospital-level data only show hospital admissions.

Figure 57

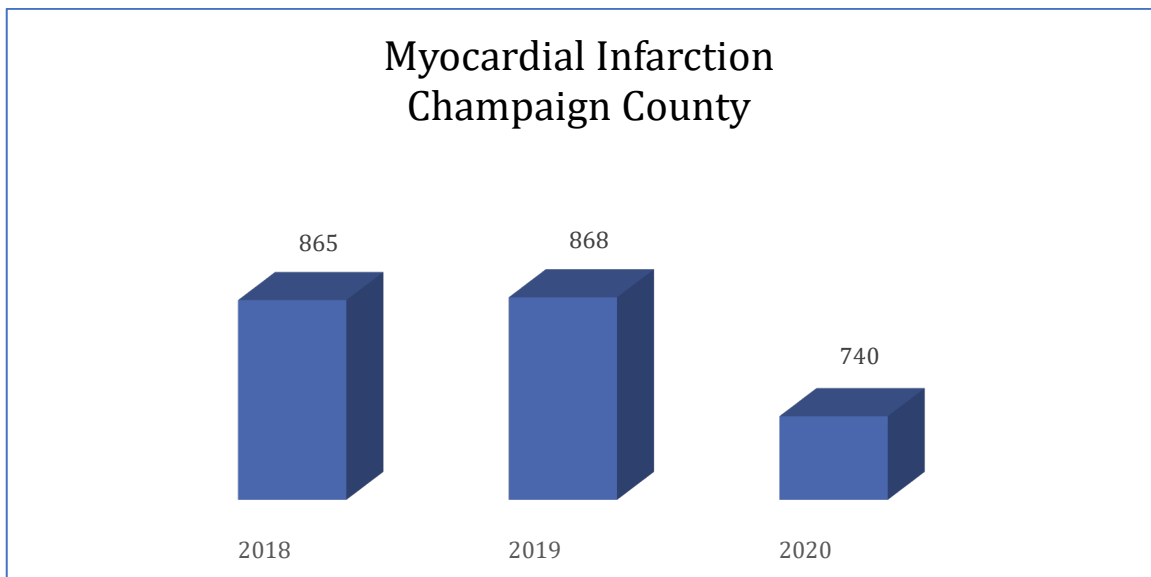


Source: COMPdata Informatics 2021

## Myocardial Infarction

The number of treated cases of myocardial infarction at area hospitals in Champaign County stayed close in 2018 and 2019 showing 868 cases. The number of cases of myocardial infarction then decreased to 740 in 2020 (Figure 58). Note that hospital-level data only show hospital admissions.

Figure 58

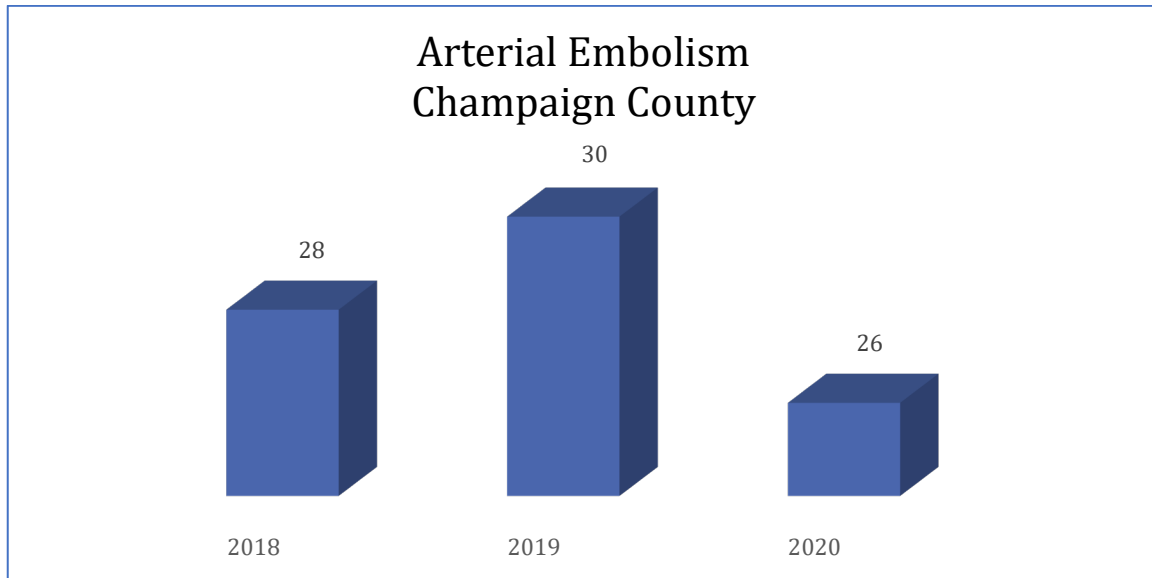


Source: COMPdata Informatics 2021

## Arterial Embolism

There were 26 cases of arterial embolism at Champaign County area hospitals in 2020 (Figure 59). Note that hospital-level data only show hospital admissions.

*Figure 59*

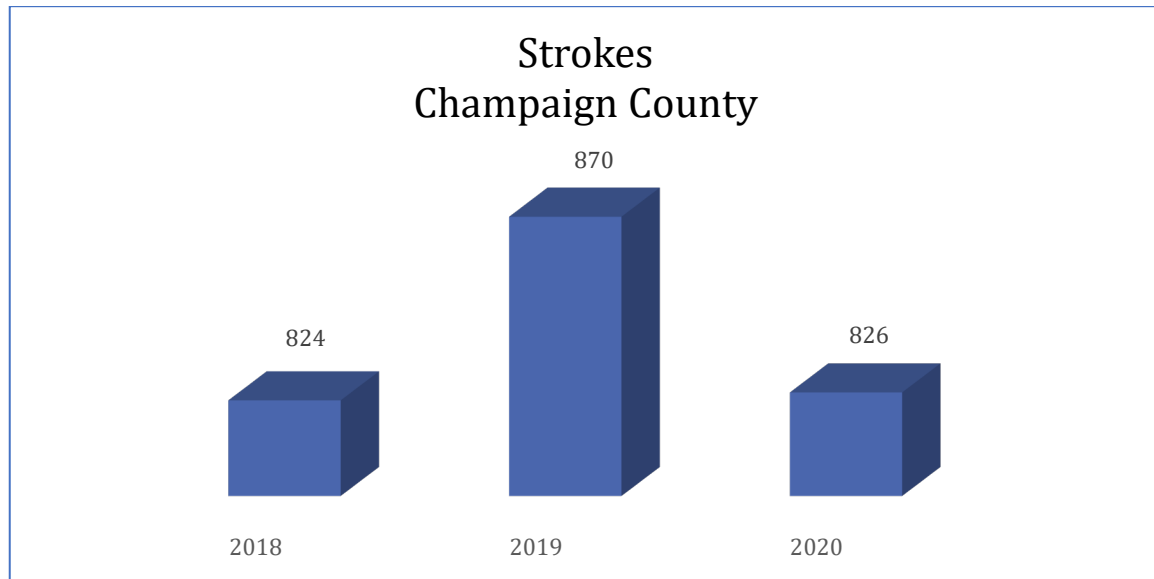


*Source: COMPdata Informatics 2021*

## Strokes

The number of treated cases of stroke at Champaign County area hospitals decreased between 2019 and 2020 (Figure 60). Note that hospital-level data only show hospital admissions and do not reflect outpatient treatments and procedures.

Figure 60



Source: COMPdata Informatics 2021

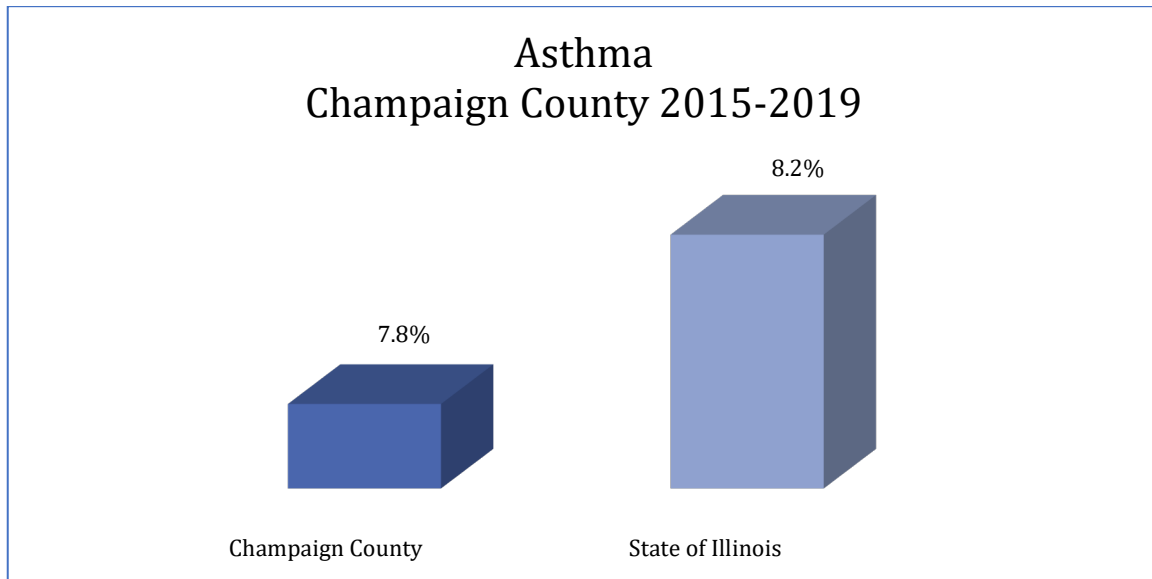
## 4.4 Respiratory

*Importance of the measure:* Disease of the respiratory system includes acute upper respiratory infections such as influenza, pneumonia, bronchitis, asthma, emphysema and Chronic Obstructive Pulmonary Disease (COPD). These conditions are characterized by breathlessness, wheezing, chronic coughing, frequent respiratory infections and chest tightness. Many respiratory conditions can be successfully controlled with medical supervision and treatment. However, children and adults who do not have access to adequate medical care are likely to experience repeated serious episodes, trips to the emergency room and absences from school and work. Hospitalization rates illustrate the worst episodes of respiratory diseases and are a proxy measure for inadequate treatment.

### Asthma

According to the Illinois BRFSS, asthma rates in Champaign County (7.8%) are slightly less than the State of Illinois (8.2%) (Figure 61). Note that data has not been updated past 2019 by the Illinois Department of Public Health.

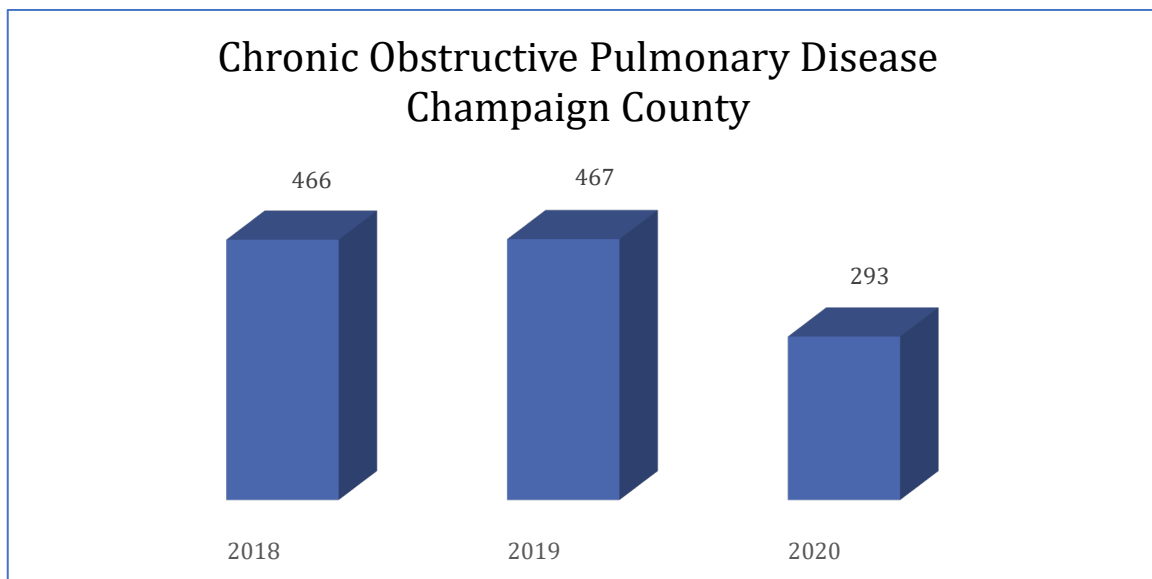
Figure 61



Source: Illinois Behavioral Risk Factor Surveillance System

Treated cases of COPD at Champaign County area hospitals fluctuated between 2018 and 2019, with a significant decline in 2020 (Figure 62). Note that hospital-level data only show hospital admissions and do not reflect out-patient treatments and procedures.

Figure 62



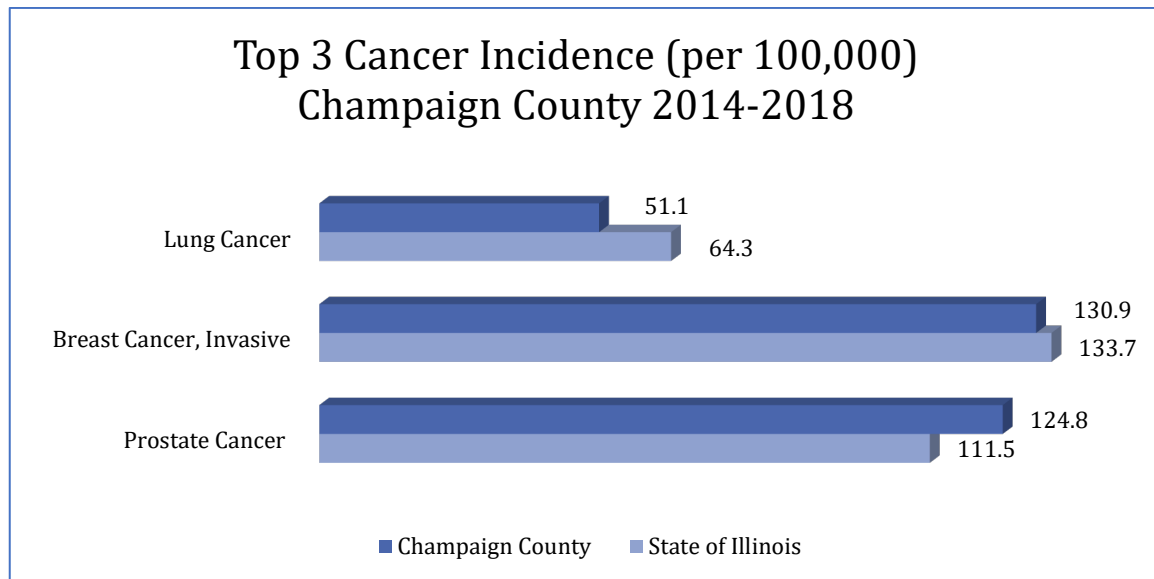
Source: COMPdata Informatics 2021

## 4.5 Cancer

*Importance of the measure:* Cancer is caused by the abnormal growth of cells in the body and many causes of cancer have been identified. Generally, each type of cancer has its own symptoms, outlook for cure, and methods for treatment. Cancer is one of the leading causes of death in Champaign County.

For the top three prevalent cancers in Champaign County, comparisons can be seen below. Specifically, lung cancer and breast cancer are lower than the State, while prostate cancer rates are higher than the State of Illinois (Figure 63). Note that 2018 is the most recent year of data.

Figure 63



Source: Illinois Department of Public Health – Cancer in Illinois

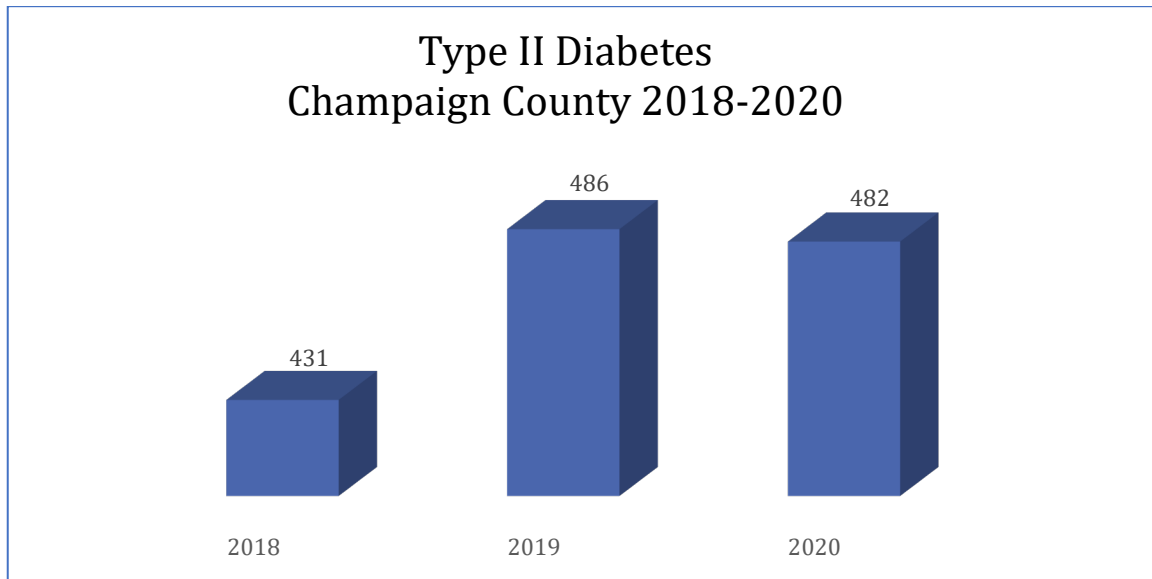
## 4.6 Diabetes

*Importance of the measure:* Diabetes is the leading cause of kidney failure, adult blindness and amputations and is a leading contributor to strokes and heart attacks. It is estimated that 90-95% of individuals with diabetes have Type II diabetes (previously known as adult-onset diabetes). Only 5-10% of individuals with diabetes have Type I diabetes (previously known as juvenile diabetes).

Inpatient cases of Type II diabetes from Champaign County increased between 2018 (431 cases) and 2020 (482 cases) (Figure 64). Note that hospital-level data only show hospital admissions and do not reflect out-patient treatments and procedures.



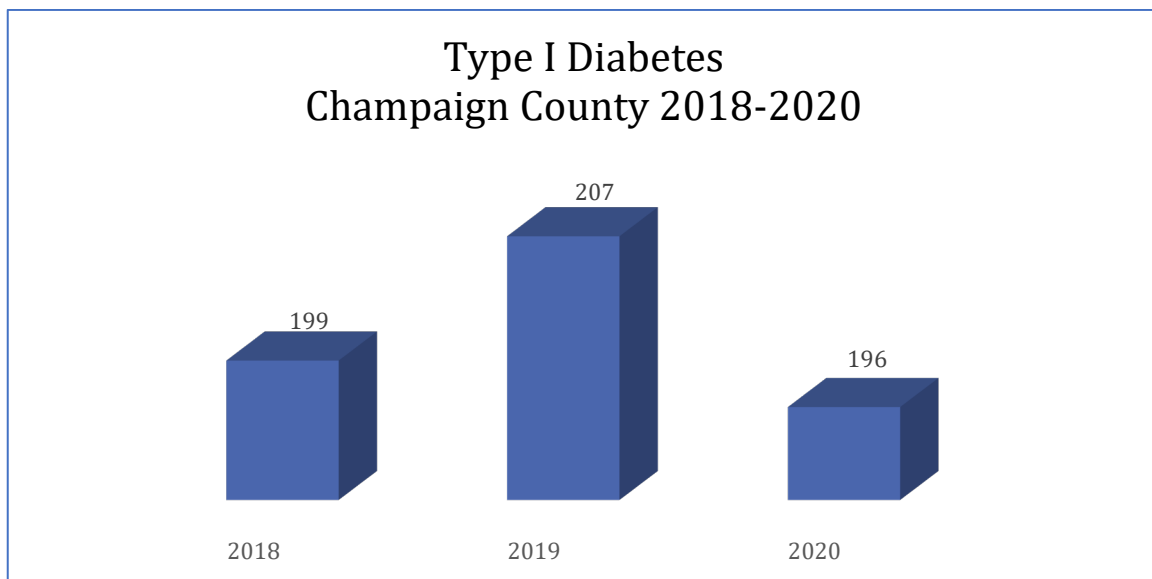
Figure 64



Source: COMPdata Informatics 2021

Inpatient cases of Type I diabetes show a decrease from 2018 (199) to 2020 (196), note an increase in 2019 (207) (Figure 65). Note that hospital-level data only show hospital admissions and do not reflect out-patient treatments and procedures.

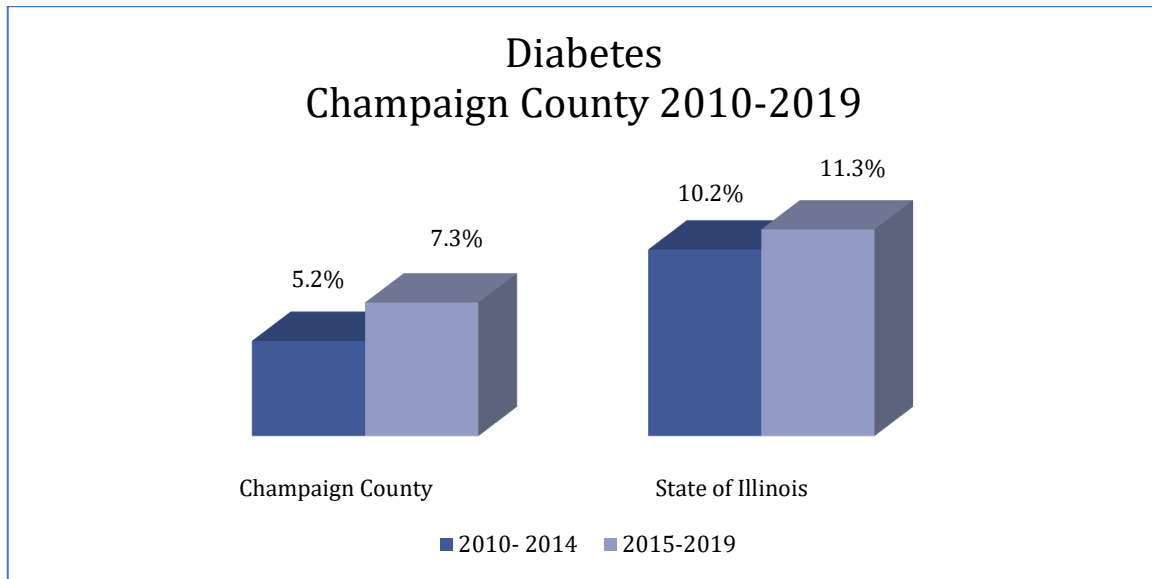
Figure 65



Source: COMPdata Informatics 2021

Data from the Illinois BRFSS indicate that 7.3% of Champaign County residents have diabetes (Figure 66). Trends are concerning, as the prevalence of diabetes is increasing dramatically in the State of Illinois. Note that data have not been updated past 2019 by the Illinois Department of Public Health.

Figure 66



Source: Illinois Behavioral Risk Factor Surveillance System

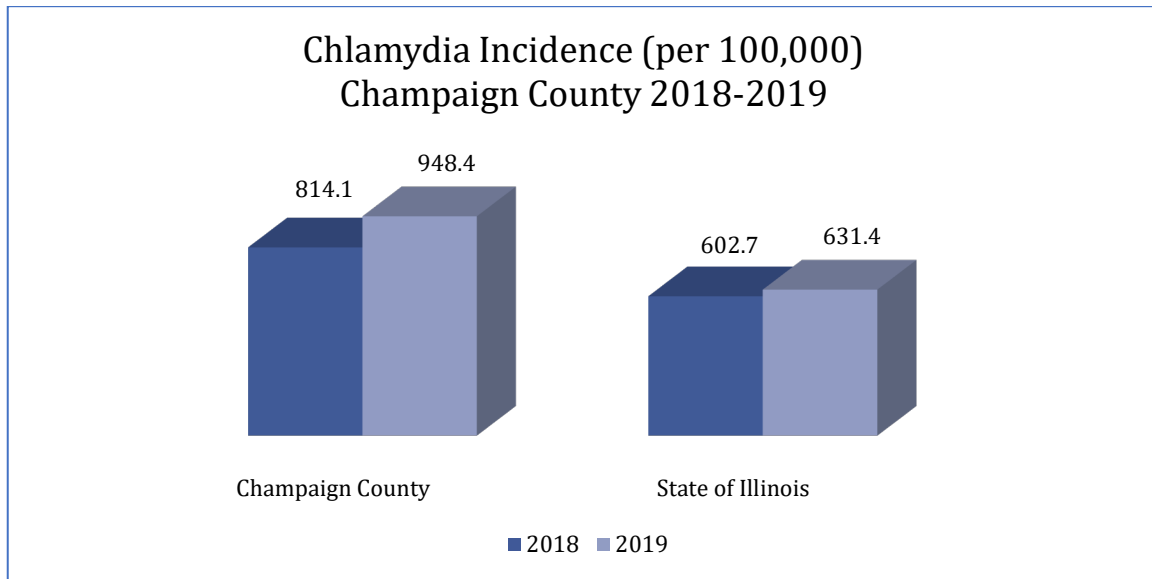
## 4.7 Infectious Diseases

*Importance of the measure:* Infectious diseases, including sexually transmitted infections and hepatitis, are related to high-risk sexual behavior, drug and alcohol abuse, limited access to healthcare and poverty. It would be highly cost-effective for both individuals and society if more programs focused on prevention rather than treatment of infectious diseases.

### Chlamydia and Gonorrhea Cases

The data for the number of infections of chlamydia in Champaign County from 2018-2019 indicate a significant increase. There is also an increase of incidence of chlamydia across the State of Illinois. Rates of chlamydia in Champaign County are concerning and are higher than across the State of Illinois (Figure 67).

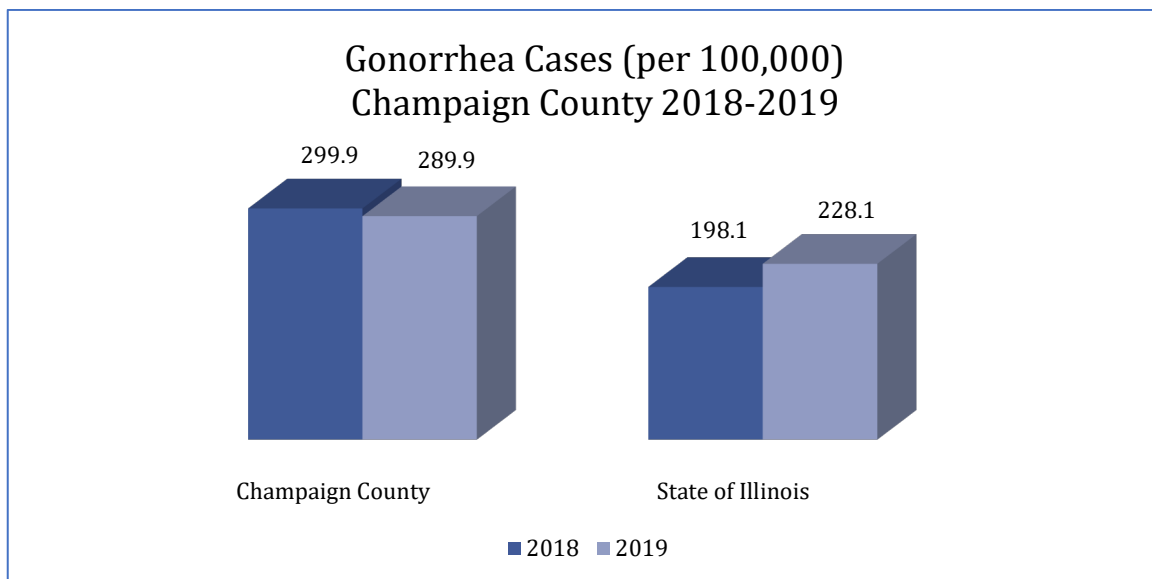
Figure 67



Source: Illinois Department of Public Health

The data for the number of infections of gonorrhea in Champaign County indicate a decrease from 2018-2019 while the State of Illinois has experienced an increase (Figure 68). Note that Champaign County rate is significantly higher than State of Illinois. Note 2019 is the most recent data.

Figure 68



Source: Illinois Department of Public Health

## Vaccine-Preventable Diseases

A vaccine-preventable disease is an infectious disease for which an effective preventive vaccine exists. If a person acquires a vaccine-preventable disease and dies, the death is considered a vaccine-preventable

death. According to the Illinois Public Health Department, the most common and serious vaccine-preventable diseases are: Varicella (chickenpox), Tetanus (lockjaw), Pertussis (whooping cough), Poliomyelitis (Polio), Measles (Rubeola), Mumps, Rubella (German measles), Diphtheria, Hepatitis B, and Hemophilic Influenza Type B (HIB) Infections. These diseases used to strike thousands of children each year. Today there are relatively few cases, but outbreaks still occur each year because some babies are not immunized. Champaign County has shown no significant outbreaks compared to state statistics, but there are limited data available (Table 1 and Table 2). Note: Data has not been updated past years below. Also note that COVID-19 vaccine rates are presented in Chapter 2 of the CHNA.

*Table 1*

*Vaccine Preventable Diseases 2015-2016 Champaign County Region*

Mumps	2015	2016
Champaign County	203	112
State of Illinois	430	333

Pertussis	2015	2016
Champaign County	2	5
State of Illinois	718	1034

Varicella	2015	2016
Champaign County	14	21
State of Illinois	443	469

*Source: Illinois Department of Health*

*Table 2*

*Tuberculosis 2018-2019 Champaign County Region*

Tuberculosis	2018	2019
Champaign County	4	5
State of Illinois	336	319

*Source: Illinois Department of Health*

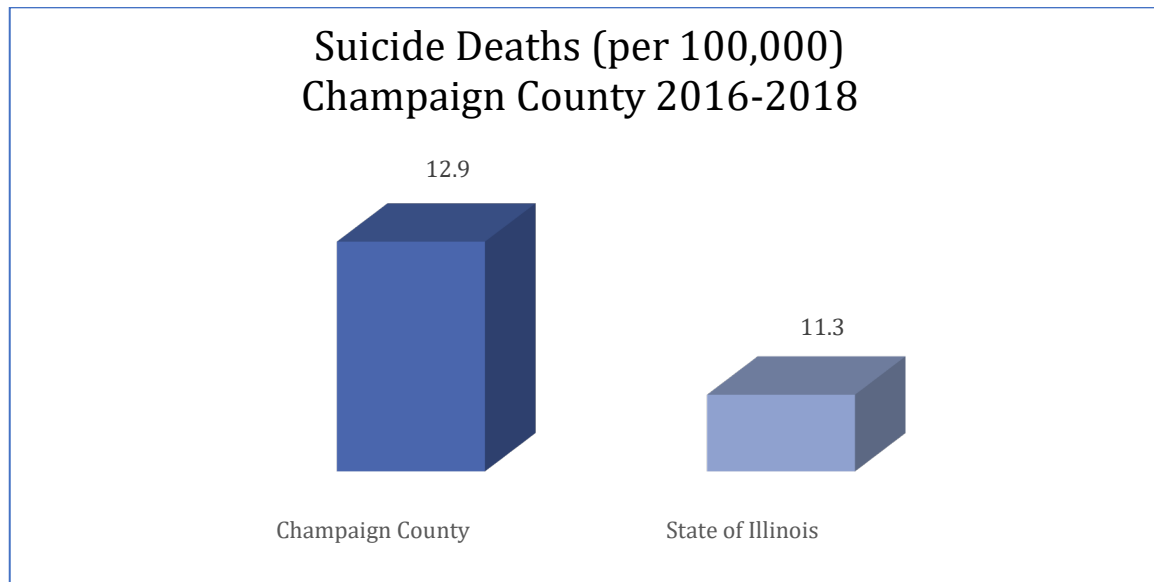
## 4.8 Injuries

*Importance of the measure:* Suicide is intentional self-harm resulting in death. These injuries are often indicative of serious mental health problems requiring the treatment of other trauma-inducing issues. Unintentional injuries can occur, in part, from violent crimes.

## Suicide

The number of suicides in Champaign County indicate higher incidence than State of Illinois averages, as there were approximately 12.9 per 100,000 suicide deaths in Champaign County from 2016-2018 (Figure 69).

Figure 69

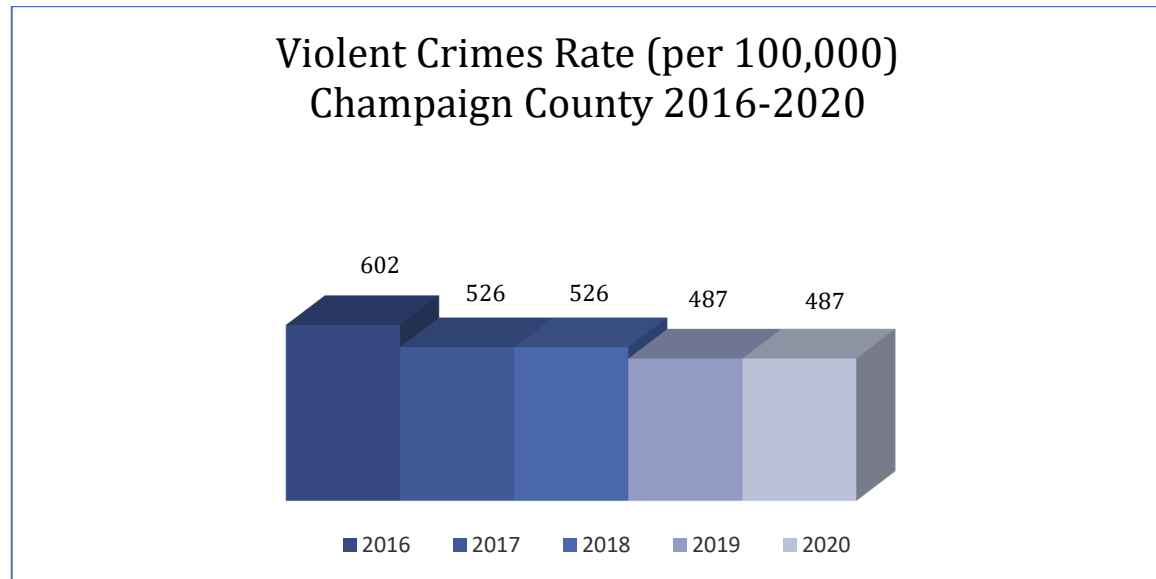


Source: Illinois Department of Public Health

## Violent Crimes

Violent crimes are defined as offenses that involve face-to-face confrontation between the victim and the perpetrator, including homicide, forcible rape, robbery and aggravated assault. Violent crime is represented as an annual rate per 100,000 people. The number of violent crimes has decreased since 2018 in Champaign County (Figure 70). However violent crime rates in Champaign County (487 per 100,000 people) still remain higher than the State of Illinois average (426 per 100,000 people) and the national average (388 per 100,00 people).

Figure 70



Source: Illinois County Health Rankings and Roadmaps

## 4.9 Mortality

*Importance of the measure:* Presenting data that focuses on causes of mortality provides an opportunity to define and quantify which diseases are causing the most deaths.

The top two leading causes of death in the State of Illinois and Champaign County are similar as a percentage of total deaths in 2020. Diseases of the Heart are the cause of 21.6% of deaths and cancer is the cause of 18.5% of deaths in Champaign County (Table 3).

Table 3

Top 5 Leading Causes of Death for all Races by County and State, 2020		
Rank	Champaign County	State of Illinois
1	Diseases of Heart (21.6%)	Diseases of Heart (20.7%)
2	Malignant Neoplasm (18.5%)	Malignant Neoplasm (18.1%)
3	Accidents (7.4%)	COVID-19 (11.8%)
4	Cerebrovascular Disease (4.9%)	Cerebrovascular Disease (5.4%)
5	COVID-19 (4.4%)	Accidents (5.1%)

Source: Illinois Department of Public Health

## 4.10 Key Takeaways from Chapter 4

- ✓ PROSTATE CANCER RATES IN CHAMPAIGN COUNTY ARE HIGHER THAN STATE AVERAGES.
- ✓ CHLAMYDIA HAS INCREASED IN CHAMPAIGN COUNTY.
- ✓ SUICIDE RATES IN CHAMPAIGN COUNTY ARE HIGHER THAN THE STATE OF ILLINOIS.
- ✓ VIOLENT CRIME RATES ARE HIGHER THAN STATE AVERAGES.
- ✓ CANCER AND HEART DISEASE ARE THE LEADING CAUSES OF MORTALITY IN CHAMPAIGN COUNTY.

## CHAPTER 5 OUTLINE

- 5.1 Perceptions of Health Issues
- 5.2 Perceptions of Unhealthy Behavior
- 5.3 Perceptions of Issues with Well Being
- 5.4 Summary of Community Health Issues
- 5.5 Community Resources
- 5.6 Significant Needs Identified and Prioritized

# CHAPTER 5: PRIORITIZATION OF HEALTH-RELATED ISSUES

In this chapter, we identify the most critical health-related needs in the community. To accomplish this, we first asked community members to assess perceptions relating to health issues, unhealthy behaviors and issues related to well-being.

Using key takeaways from each chapter, we then identify important health-related issues in the community. Next, we complete a comprehensive inventory of community resources; and finally, we prioritize the most significant health needs in the community. Specific criteria used to identify these issues included: (1) magnitude in the community; (2) severity in the community; (3) potential for impact to the community.

## 5.1 Perceptions of Health Issues

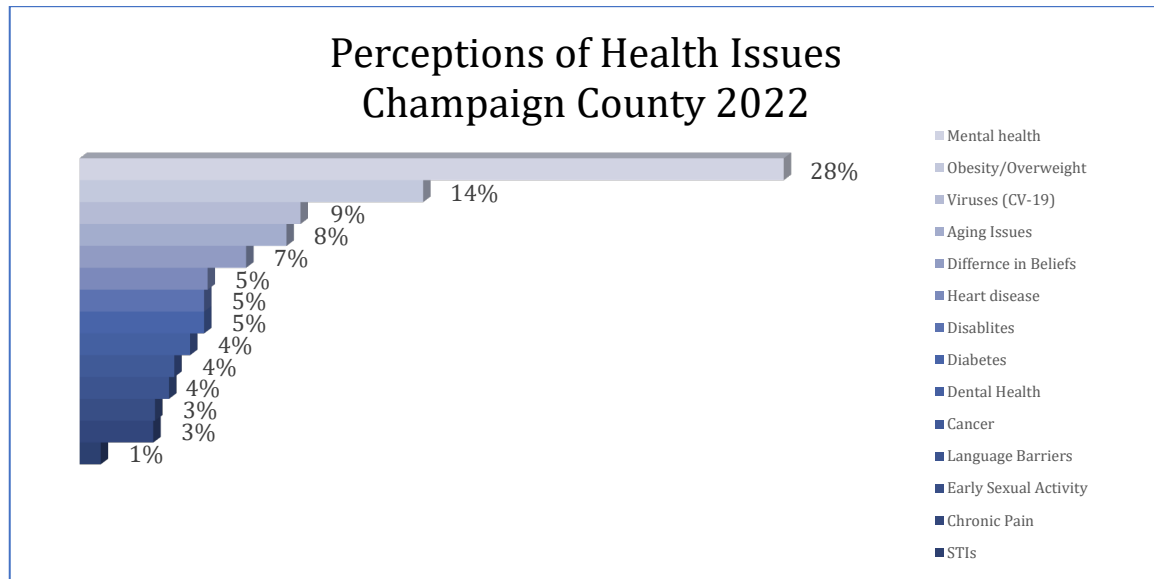
The CHNA survey asked respondents to rate the three most important health issues in the community. Respondents had a choice of 14 different options.

The health issue that rated highest was mental health (28%), followed obesity (14) (Figure 71). These factors were significantly higher than other categories based on *t-tests* between sample means.

Note that perceptions of the community were accurate in some cases. For example, mental health and obesity are important concerns and the survey respondents accurately identified these as important health issues. However, some perceptions were inaccurate. For example, while heart disease is a leading cause of mortality, it is ranked relatively low.



Figure 71

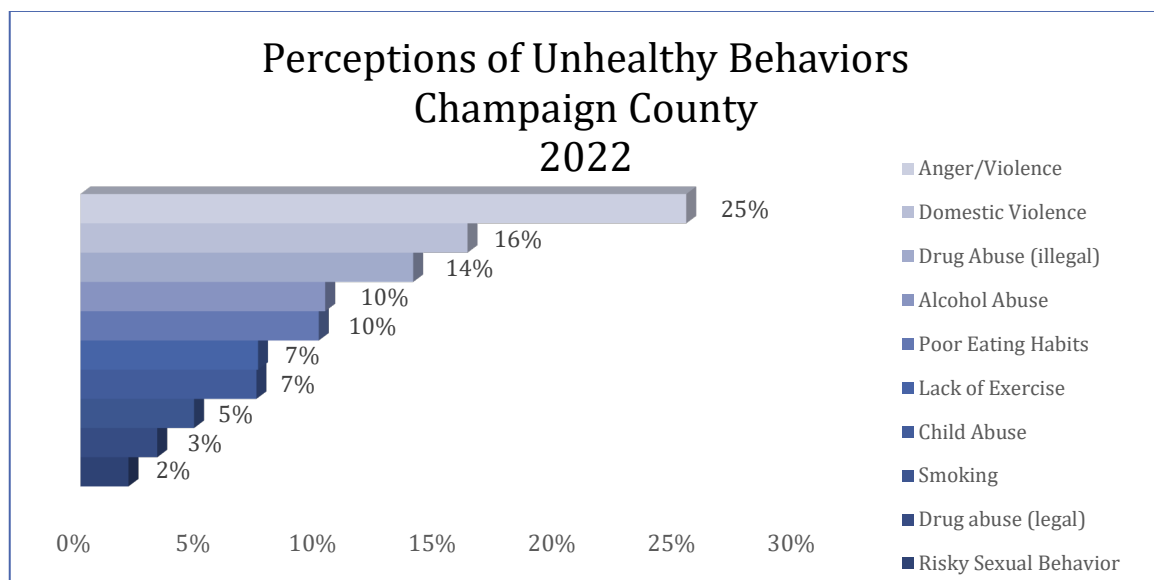


Source: CHNA Survey

## 5.2 Perceptions of Unhealthy Behaviors

Respondents were asked to select the three most important unhealthy behaviors in the community out of a total of 10 choices. The two unhealthy behaviors that rated highest were anger and violence (25%), domestic violence (16%), and drug abuse-illegal (14%) (Figure 72).

Figure 72



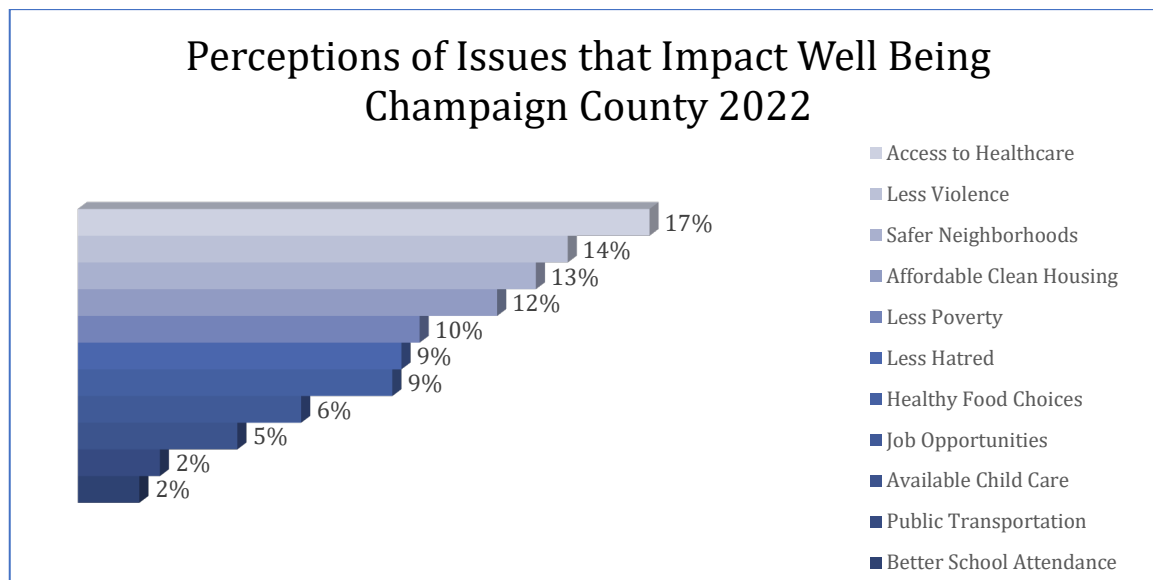
Source: CHNA Survey

## 5.3 Perceptions of Issues Impacting Well Being

Respondents were asked to select the three most important issues impacting well-being in the community out of a total of 11 choices.

The issue impacting well-being that rated highest was access to health (17%). Survey respondents ranked less violence (14%) as the second most important community concern. Similarly, safer neighborhoods (13%) was ranked the third most important community concern impacting well-being. (Figure 73).

Figure 73



Source: CHNA Survey

## 5.4 Summary of Community Health Issues

Based on findings from the previous analyses, a chapter-by-chapter summary of key takeaways is used to provide a foundation for identification of the most important health-related issues in the community. Considerations for identifying key takeaways include magnitude in the community, strategic importance to the community, existing community resources and potential for impact and trends and future forecasts.

**Demographics (Chapter 1)** – Four factors were identified as the most important areas of impact from the demographic analyses:

- Population increased
- Population over age 65 increased
- Single female head-of-house-household represents 9% of the population
- Most people have access to the Internet in their home

**Prevention Behaviors (Chapter 2)** – Seven factors were identified as the most important areas of impact from the chapter on prevention behaviors:

- Access to mental health counseling
- Prostate screening is relatively low
- Exercise and healthy eating behaviors
- Depression and stress/anxiety
- Following a restricted diet
- Food insecurity
- Health literacy

**Symptoms and Predictors (Chapter 3)** – Three factors were identified as the most important areas of impact from the chapter on symptoms and predictors:

- Misuse of prescription medication
- Overweight and obesity
- Cholesterol levels

**Morbidity and Mortality (Chapter 4)** – Four factors were identified as the most important areas of impact from the chapter on morbidity/mortality behaviors:

- Prostate cancer
- Chlamydia and Gonorrhea rates
- Suicide rates
- Violence
- Cancer and heart disease are the leading causes of mortality

## **Potential Health-Related Needs Considered for Prioritization**

Before the prioritization of significant community health-related needs was performed, results were aggregated into 7 potential categories. Based on similarities and duplication, the 7 potential areas considered are:

- **Healthy Behaviors and Wellness**
- **Behavioral Health including Mental Health and Substance Use**
- **Obesity (specific focus)**
- **Violence**
- **Cancer**
- **Suicides**
- **Health Literacy**

## 5.5 Community Resources

After summarizing potential categories for prioritization in the Community Health Needs Assessment, a comprehensive analysis of existing community resources was performed to identify the efficacy to which these 7 health-related areas were being addressed. A resource matrix can be seen in APPENDIX 6: Resource Matrix relating to the 7 health-related issues.

There are numerous forms of resources in the community. They are categorized as recreational facilities, county health departments, community agencies and area hospitals/clinics. A detailed list of community resources and descriptions appears in APPENDIX 7: Description of Community Resources.

## 5.6 Significant Needs Identified and Prioritized

In order to prioritize the previously identified dimensions, the collaborative team considered health needs based on: (1) magnitude of the issues (e.g., what percentage of the population was impacted by the issue); (2) severity of the issues in terms of their relationship with morbidities and mortalities; (3) potential impact through collaboration. Using a modified version of the Hanlon Method (as seen in APPENDIX 8: Prioritization Methodology), the collaborative team identified three significant health needs and considered them equal priorities:

- **Healthy Behaviors and Wellness – defined as active living and healthy eating, and their impact on obesity**
- **Behavioral Health – Including Mental Health and Substance Use Disorder**
- **Violence**

### HEALTHY BEHAVIORS – ACTIVE LIVING, HEALTHY EATING AND SUBSEQUENT OBESITY

**HEALTHY EATING.** Almost two-thirds (56%) of residents report no consumption or low consumption (1-2 servings per day) of fruits and vegetables per day. Note that the percentage of residents who consume five or more servings per day is only 9%. The most prevalent reasons for failing to eat more fruits and vegetables were affordability and accessibility.

**ACTIVE LIVING.** A healthy lifestyle, comprised of regular physical activity and balanced diet, has been shown to increase physical, mental and emotional well-being. Note that 18% of respondents indicated that they do not exercise at all, while the majority (68%) of residents exercise 1-5 times per week. The most common reasons for not exercising are not having enough energy (30%), no time (21%) or a dislike of exercise (18%).

**OBESITY.** In Champaign County, almost two-thirds (60.9%) of residents were diagnosed with obesity and being overweight. In the 2022 CHNA survey, respondents indicated that being overweight was the second most important health issue and was rated as the most prevalently diagnosed health condition. Research strongly suggests that obesity is a significant problem facing youth and adults nationally, in Illinois, and within Champaign County. The U.S. Surgeon General has characterized obesity as “the fastest-growing, most threatening disease in America today.” According to the Obesity Prevention Initiative from the Illinois General Assembly, 20% of Illinois children are obese. With children, research has linked obesity to

numerous chronic diseases including Type II diabetes, hypertension, high blood pressure and asthma. Adverse physical health side effects of obesity include orthopedic problems due to weakened joints and lower bone density. Detrimental mental health side effects include low self-esteem, poor body image, symptoms of depression and suicide ideation. Obesity impacts educational performance as well; studies suggest school absenteeism of obese children is six times higher than that of non-obese children. With adults, obesity has far-reaching consequences. Testimony to the Illinois General Assembly indicated that obesity-related illnesses contribute to worker absenteeism, slow workflow, and high worker compensation rates. A Duke University study on the effects of obesity in the workforce noted 13 times more missed workdays by obese employees than non-obese employees. Nationwide, lack of physical activity and poor nutrition contribute to an estimated 300,000 preventable deaths per year.

## **BEHAVIORAL HEALTH – MENTAL HEALTH AND SUBSTANCE ABUSE**

**MENTAL HEALTH.** The CHNA survey asked respondents to indicate prevalence of specific issues, namely depression and stress/anxiety. Of respondents, 64% indicated they felt depressed in the last 30 days and 55% indicated they felt anxious or stressed. Depression tends to be rated higher by women, younger people and those with less income. Stress and anxiety tend to be rated higher for women, younger people, those with less income and those with less education. Respondents were also asked if they spoke with anyone about their mental health in the past year. Of respondents 50% indicated that they spoke to someone, the most common response was to a counselor (51%). In regard to self-assessment of overall mental health, 21% of respondents stated they have poor overall mental health. In the 2022 CHNA survey, respondents indicated that mental health was the most important health issue.

**SUBSTANCE ABUSE.** Of survey respondents, 27% indicated they consume at least one alcoholic drink each day. Alcohol consumption tends to be rated higher by men, older people and those with higher income. Of survey respondents, 6% indicated they improperly use prescription medications each day to feel better and 13% indicated the use marijuana each day. Note that misuse of prescription medication (oftentimes opioid use) tends to be rated higher by Black people, those with lower education and those with less income. Marijuana use tends to be rated higher by younger people, those with lower education and those with less income. Finally, of survey respondents, 1% indicated they use illegal drugs on a daily basis

In the 2022 CHNA survey, respondents rated drug abuse (illegal) as the third most prevalent unhealthy behavior (14%) in Champaign County, followed by alcohol abuse (10%).

## **VIOLENCE**

**VIOLENT CRIMES.** Violent crimes are defined as offenses that involve face-to-face confrontation between the victim and the perpetrator, including homicide, forcible rape, robbery and aggravated assault. The violent crime rate in Champaign County (487 per 100,000 people) is higher than the State of Illinois average (426 per 100,000 people) and the national average (388 per 100,00 people). Respondents in the 2022 CHNA survey ranked anger/violence (25%) and domestic violence (16%) as the two most important unhealthy behaviors in the community.

From the Illinois State Police Crime Reports, between 2018-2020, Champaign County has seen an increase in criminal homicides from 10 to 12, an increase in aggravated assault/battery from 621 to 817, an increase in motor-vehicle thefts from 158 to 314 and an increase in arson from 22 to 30. At the same

time, there has been a decrease in forcible rapes from 164 to 133, robbery from 158 to 145, burglary from 743 to 583 and theft from 3,545 to 2,393.

**COMMUNITY PERCEPTIONS.** As part of the Community Health Needs Assessment Survey, community members were asked to assess factors impacting well-being. Based on survey results, survey respondents ranked less violence (14%) as the second most important community concern. Similarly, safer neighborhoods (13%) was ranked the third most important community concern impacting well-being.

# APPENDICES

## APPENDIX 1: Members of Collaborative Team

Members of the **Collaborative Team** consisted of individuals with special knowledge of and expertise in the healthcare of the community. Individuals, affiliations, titles and expertise are as follows:

**Awais Vaid** is the Deputy Administrator and the Epidemiologist of the Champaign-Urbana Public Health District, Awais Vaid. In that role, he leads the agencies Strategic Planning and Operations with an emphasis on Systems Thinking. He joined the Health District in 2004 after spending a year as a Special Projects Coordinator at the Northwest Community Hospital in suburban Chicago. Awais Vaid received his Medical Degree (MD) from India and his Masters in Public Health (MPH) from Northern Illinois University focusing in Administration and Epidemiology. Awais is a Fellow of the Public Health Leadership Institute at UIC and serves on several Committees and Advisory Boards at the University of Illinois and the general Champaign-Urbana Community.

**John Walsh** serves as External Affairs Program Executive for Carle Health, a vertically integrated health system based in Central Illinois. John's background is in the federal legislature, working for United States Congressman Adam Kinzinger, then directing governmental relations work for an association based in Central Illinois. At Carle, John is responsible for maintaining relationships with and, in collaboration with system government relations and leadership, communicating system positions and priorities with key constituents, including elected and appointed public officials, legislative and regulatory agencies, and associated staffs. Additionally, John works to ensure that the system's Community Benefit reporting, Community Health Needs Assessments, Implementation Plans, and associated requirements and responsibilities are met. At the time of this assessment's research and publication, John serves as Chairman of the Board of Directors for the Champaign County Economic Development Corporation.

**Julie A. Pryde** is a Licensed Social Worker and a Certified Public Health Administrator. She serves as Public Health Administrator of Champaign-Urbana Public Health District (CUPHD), a nationally-accredited health department. Ms. Pryde earned her Masters of Social Work from the University of Illinois, Urbana-Champaign (UIUC), and her Masters of Public Health from the University of Illinois, Springfield. She has been published in professional journals and presented at national conferences on topics related to public health. Ms. Pryde began her career at CUPHD in 1995 working with the HIV/AIDS Program. She served as the Director of the Division of Infectious Disease Prevention and Management at CUPHD until 2007 when she was appointed at the Public Health Administrator. She is a currently a member of The Illinois State Board of Health.

**Linda Tauber-Olson** has over 25 years in Health Care with her current position as Manager Volunteer Services with OSF HealthCare Heart of Mary Medical Center in Urbana. In this position Linda oversees Volunteer Services, Community Health, Education, and Outreach. Linda has a Bachelor of Arts Degree from Westminster College. Linda serves as a Deacon with First Presbyterian Church Champaign.

**Lynn Canfield** has served as Executive Director for the Champaign County Mental Health Board and the Champaign County Developmental Disabilities Board since 2016 and as their Associate Director for Intellectual/Developmental Disabilities from 2009 to 2016. Prior to that, she worked for 19 years in the DD system as a residential instructor, case manager, program manager, and clinical coordinator focused on behavioral health treatment for those with multiple diagnoses as well as Medicaid compliance. In her current work, Lynn supports a small team of experts and members of the two volunteer boards and oversees a combined annual budget greater than \$9m, primarily invested in contracts with qualified



providers to serve Champaign County residents with MI, SUD, or I/DD. She is very active with state and national trade associations, contributing to legislative advocacy and policy statements and participating in communities of practice and learning collaborative.

**Sue Grey**; President and CEO, United Way of Champaign County, University of Illinois 1983, AHS. Sue has been a member of the United Way of Champaign County team since June 2006. Sue has over 35 years of experience working with the community bringing people and resources together to make lasting change and positive impact in our community. She worked at Champaign Park District organizing community events, managing volunteers and working with the Board of Commissioners. Sue also spent three years with the Green Meadows Girl Scout Council as their CEO. As a lifelong member of Champaign, Sue has developed great community contacts and mobilizes those resources to better the quality of life for those in need in Champaign County. Sue is a member of Champaign Rotary, an Alpha Phi Alumnae, class member of Leadership Illinois 2019. Sue was elected to the Champaign Unit 4 School Board in April of 2007 and again in 2011. She served as Board President for two years. Sue was also a recipient of the Champaign County Chamber of Commerce Athena Award in 2005 and in 2012 was selected as A Woman of Distinction by the East Central Illinois Girl Scout Council and she was a 2020 cast member of That's What She Said. She has been married to Tom for 34 years and has three children and three grandchildren.

In addition to collaborative team members, the following **facilitators** managed the process and prepared the Community Health Needs Assessment. Their qualifications and expertise are as follows:

**Michelle A. Carrothers (Coordinator)** is currently the Vice President of Strategic Reimbursement for OSF Healthcare System, a position she has served in since 2014. She serves as a Business Leader for the Ministry Community Health Needs Assessment process. Michelle has over 35 years of health care experience. Michelle obtained both a Bachelor of Science Degree and Masters of Business Administration Degree from Bradley University in Peoria, IL. She attained her CPA in 1984 and has earned her Fellow of the Healthcare Financial Management Association Certification in 2011. Currently she serves on the National Board of Examiners for HFMA. Michelle serves on various Peoria Community Board of Directors and Illinois Hospital Association committees.

**Dawn Tuley (Coordinator)** is a Strategic Reimbursement Senior Analyst at OSF Healthcare System. She has worked for OSF Healthcare System since 2004 and acts as the coordinator for 15 Hospital Community Health Need Assessments. In addition, she coordinates the submission of the Community Benefit Attorney General report and the filing of the IRS Form 990 Schedule H since 2008. Dawn holds a Master's in Healthcare Administration from Purdue University and is certified in Community Benefit. Dawn has been a member of the McMahon-Illini Chapter of Healthcare Financial Management Association for over twelve years. She has served as the Vice President, President-Elect and two terms as the Chapter President on the board of Directors. She has earned a silver, bronze, gold and Metal of Honor from her work with the McMahon-Illini HFMA Chapter. She is currently serving as a Director on the board.

**Dr. Laurence G. Weinzimmer, Ph.D. (Principal Investigator)** is the Caterpillar Inc. Professor of Strategic Management in the Foster College of Business at Bradley University in Peoria, IL. An internationally recognized thought leader in organizational strategy and leadership, he is a sought-after consultant to numerous *Fortune 100* companies and not-for-profit organizations. Dr. Weinzimmer has authored over 100 academic papers and four books, including two national best sellers. His work appears in 15 languages, and he has been widely honored for his research accomplishments by many prestigious organizations, including the Academy of Management. Dr. Weinzimmer has served as principal

investigator for numerous community assessments, including the United Way, Economic Development Council and numerous hospitals. His approach to Community Health Needs Assessments was identified by the Healthcare Financial Management Association (HFMA) as a Best-in-Practice methodology. Dr. Weinzimmer was contracted for assistance in conducting the CHNA.

## APPENDIX 2: Activities Related to 2020 CHNA Prioritized Needs

Three major health needs were identified and prioritized in the Champaign County 2020 CHNA. Below are examples of the activities, measures and impact during the last three years to address these needs.

### 1. Behavioral Health

**Goal:** Increase capacity, create behavioral health triage center, promote education and training on mental and behavioral health to reduce stigma, provide youth targeted prevention programs.

- 1) Increased participation in our Digital Behavioral Health preventative solution by 149 new signups. SilverCloud is a secure, anonymous and interactive platform to help individuals manage the feelings and causes of depression, anxiety or stress.
- 2) Provided free Behavioral Health Navigation Services to 241 individuals.
- 3) OSF Heart of Mary Medical Center completed 1,486 Inpatient Behavioral Health discharges.
- 4) OSF Medical Group – Behavioral and Mental Health completed 10,996 Outpatient Behavioral Health visits.
- 5) Partnered with OSF Children's Hospital of Illinois to host Healthy Lives for Kids events at the Don Moyer Boys and Girls Clubs in Rantoul and Champaign. The events included Love your selfie activity to help kids to focus on what they like about themselves and to be proud of themselves.

### 2. Reducing Obesity and Promoting Healthy Lifestyles

**Goal:** Improve access to healthy food options, expand physical activity prescription program, and increase access to physical activity.

- 1) Increased participation in the Community Fitness Program from 36 participants in 2020 up to 45 participants at the close of FY 2021.
- 2) Posted more than 100 healthy eating and active lifestyle posts on the OSF Heart of Mary Facebook page.
- 3) Established a baseline and completed 71 outpatient dietary visits in FY 2021.
- 4) Distributed 260 Smart Meals to seniors. Smart Meals is an educational program to include a nutritious meal to serve a family of 4 at a cost of under \$10. Each Smart Meal kit includes a recipe, shopping list, health benefits of each ingredient, and all the ingredients to prepare the meal.

### 3. Violence

**Goal:** *promote police-community relations, increase community engagement, and reduce community violence through partnering with local initiatives.*

- 1) Attended Champaign County Community Coalition meetings. The Community Coalition's vision is to improve the lives of youth and their families, promote effective law enforcement and positive police-community relations, and to support greater knowledge/use of resources available.
- 2) Completed 2,479 contacts to seniors to access risk of violence and connect individuals to needed services.
- 3) Increased participation in our Digital Behavioral Health preventative solution by 149 new signups to help alleviate violence. **SilverCloud** is a secure, anonymous and interactive platform to help individuals manage the feelings and causes of depression, anxiety or stress.
- 4) Provided free Behavioral Health Navigation Services to 241 individuals.

## Carle Foundation Hospital

### *Evaluation of Prior Impact*

Based upon the Community Health Needs Assessment using both quantitative and qualitative research, Carle Foundation Hospital prioritized the significant community health needs of Champaign County considering several criteria including: alignment with the hospital's mission, existing programs, the ability to make an impact within a reasonable time frame, the financial and human resources required, and whether there would be a measurable outcome to gauge improvement. The following three health areas were selected as the top priorities.

#### 1. Behavioral Health

#### 2. Obesity

#### 3. Income/Poverty

As a result, Carle Foundation Hospital committed time and resources for each of these identified health priorities, as described below.

### **Behavioral Health, Evaluation of Prior Impact:**

In the 2020 Community Health Needs Assessment as well as the previous Community Health Needs Assessment, the following were identified as keys to addressing Mental and Behavioral Health: increase capacity, create behavioral health triage center, promote education and training on mental and behavioral health to reduce stigma, provide youth targeted prevention programs.

In response, Carle Foundation Hospital took the following actions:

- 1) Increased Carle Foundation Hospital Behavioral Health providers by 13 net new providers in 2020 and 2021.
- 2) Increased number of psychiatric residents by 4 each year, for a total of 8 new residents in 2020 and 2021.
- 3) Carle Foundation Hospital committed to a partnership with the Champaign County Sheriff's Office to equip officers with Narcan, or naloxone, a drug that stops respiratory failure caused by opioid. In 2020 and 2021, at least 23 lives were saved by emergency administer of Narcan, as well as many trainings given.
- 4) Trained 27 prescribers (MDs, APRNs, PAs) in the first cohort of the Opioid Use Disorder Project ECHO Fellowship as part of the Carle Substance Use Disorder Leadership Center. Recruitment for the second cohort is complete and scheduled to begin in mid-2022. The ECHO Project increases access to Medication Assisted Recovery (MAR) and promotes engagement in rural and underserved areas.
- 5) Improved access to substance use disorder services by providing assessment and consultation services on the mobile unit operated by Carle Community Health Initiatives.
- 6) Developed the 'Seeds of Wellness' project in August 2018 to address increasing suicide by farmers, with a focus on the rural and veteran populations. In collaboration with staff from executive leadership, human resources, behavioral health and communications, the primary function of the project is to educate the communities we serve about behavioral health awareness, including ways to identify and assist those showing symptoms of behavioral health issues; and to address the stigma around seeking behavioral health services. Carle facilitated a train the trainer program Carle and regional partner employees to teach Mental Health First Aid training. In 2020 and 2021, we hosted over 20 classes regionally and trained over 335 individuals in our communities.
- 7) Carle Community Health Initiative implemented ACES screening and trauma-informed care delivery approaches.
- 8) In 2020 and 2021, Carle provided over \$100,000 in funding for community organizations dedicated to addressing Behavioral and Mental Health.

Behavioral health needs continue to be an issue across the county. Lack of resources, funding, and stigma contribute to the issue in Champaign County. According to County Health Rankings the ratio of mental health providers per 100,000 has improved drastically over the past six years, moving from 2055:1 in 2010 to 280:1 in 2021.

According to the CDC, National Vital Statistics System, the Champaign County suicide rate from 2018-2021 was 13.2 per 100,000 which is higher than the state of Illinois rate of 10.9 but lower than the national rate of 13.9.

Carle Foundation Hospital has contributed to the increase of mental health providers per 100,000 since the last Community Health Needs Assessment. While a large portion of drug-related deaths were in Champaign County, Carle Foundation Hospital has committed many resources to combat this, and has

saved many lives with the naloxone partnership. Carle Foundation Hospital's actions and financial commitments have supported improved access to care for behavioral health in Champaign County.

### **Obesity, Evaluation of Prior Impact:**

In the 2020 Community Health Needs Assessment, as with the previous assessment, the following were identified as keys for reducing obesity and promoting healthy lifestyles: improve access to healthy food options, expand physical activity prescription program, and increase access to physical activity.

In response, Carle Foundation Hospital took the following actions:

- 1) Creation of Mobile Market Partnership in 2019- a retrofitted bus that can travel to areas of most need to deliver healthy, affordable or free food options for those most in need. The Mobile Market expanded operations in 2020 and 2021, increasing access to healthy food options to those across our communities.
- 2) Supported community partners in the Urbana Kickapoo Rail Trail Expansion, providing over \$28,000 as the 20% local match for a grant application. Carle remains an active partner in trail expansion discussions.
- 3) Carle Community Health Initiative launched the 'Rx for Play' and 'Rx for Nutrition' programs, delivering almost 3,500 healthy food boxes to families in need in 2020 and 2021 alone.
- 4) Provided over \$400,000 in funding for community organizations and events that promoted physical activity and healthy living from 2020 and 2021.

Like many communities in the United States, obesity and obesity related illnesses continue to be a concern in Champaign County. Obesity is associated with poorer mental health outcomes, reduced quality of life, and the leading cause of death in the U.S. and worldwide, through contributing to heart disease, stroke, diabetes and some types of cancer.

According to 2021 County Health Rankings, the obesity in Champaign County is 30%, an increase from 26% in 2015. Obesity and its related health problems have a heavy economic impact throughout the United States. Obesity is linked with higher healthcare costs for adults and children through direct medical costs, along with impacting job productivity and absenteeism. Reducing obesity, increasing activity, and improving nutrition can have a strong impact on lowering health care costs through fewer prescription drugs, sick days, ER visits, doctor's office visits, and admissions to the hospital.

While Carle Foundation Hospital believes our commitments above have made positive impacts, there is still certainly work to do with an increasingly obese population.

### **Violence, Evaluation of Prior Impact:**

In the 2020 Community Health Needs Assessment, as with the previous assessment, the following were identified as keys to addressing violence in Champaign County: promote police---community relations, increase community engagement, and reduce community violence through partnering with local initiatives.

The majority of the goals in the CHNA involved law enforcement and correctional system entities; therefore, Carle did not provide direct interventions in these areas. However, there are a number of

projects and initiatives Carle supports that are intended to reduce the rate of violence and support victims of violence.

In response, Carle Foundation Hospital took the following actions:

- 1) Committed to a Sexual Assault Nurse Examiners (SANE)/Interpersonal Violence Program, training 19 nurses to assist 24/7 with sexual assault patients, who assisted with almost 400 total cases, including almost 100 pediatric sexual assault patients in 2020 and 2021 alone.
- 2) Committed to a 24/7 Child Abuse Safety Team (CAST), which served 235 children to identify suspected abuse, ensure proper investigation and testing, and communicate with state and local agencies in 2020 and 2021.
- 3) Committed to violence prevention 'Risk Watch' curriculum program in community schools, reaching over 17,000 students in topic area of violence prevention such as choking, strangulation suffocation, and poisoning from 2017-2019, spending 120 hours in community classrooms. Carle staff recorded videos to be used virtually in 2020 and 2021 to ensure the education was provided despite the COVID-19 pandemic.
- 4) Committed to Rape Advocacy, Counseling, and Education Services (RACES) RadKIDS Program, providing over 100 hours of support from 2017-2019 to the national, five-day course empowering children with real life training to protect themselves from danger, including inappropriate touching, when to tell an adult if harmed, and how to dial 911 in emergency or violent situations, as well as how to physically defend themselves. Carle Foundation Hospital continue to support the work of RACES in 2020 and 2021, though the RadKids program was put on hold in 2020 and 2021 due to COVID-19 concerns. Carle will continue to support once again safe to do so.
- 5) Carle Community Health Initiative had an estimated 60% reduction in domestic violence in homes visited through its Healthy Beginnings Home Visiting program.
- 6) Provided over \$38,000 in funding for community organizations and events whose missions targeted reducing violence in 2020 and 2021.

Champaign County crime rate has decreased over the last couple years, but remains higher compared to the State of Illinois and surrounding counties. As stated by the 2021 County Health Rankings the violent crime rate (the number of reported violent crime offenses per 100,000 populations) is 487 which is still remains higher than the state of Illinois rate of 403.

According to Community Health Rankings there were 7 gun related deaths in Champaign County, 13 suicides and 4 homicides in 2021.

While Champaign County's crime rate remains higher compared to the State of Illinois, Carle Foundation Hospital's commitment to programming and funding support for organizations and community events that target reducing violence has contributed to the overall decrease in crime rate. Lastly, Carle Foundation Hospital's commitment to educating the county's youth on violence prevention is a lagging indicator, and will take some time to show up in reportable data, but is a contribution to the community, and will hopefully bring down violence in Champaign County in years to come.

## APPENDIX 3: Survey

# **Champaign County**

## **2021 COMMUNITY HEALTH-NEEDS ASSESSMENT SURVEY**

### **INSTRUCTIONS**

We want to know how you view our community, and other factors that may impact your health. We are inviting you to participate in a research study about community health needs. Your opinions are important! This survey will take about 12 minutes to complete. All of your individual responses are anonymous and confidential. We will use the survey results to better understand and address health needs in our community.

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## COMMUNITY PERCEPTIONS

1. What would you say are the three (3) biggest **HEALTH ISSUES** in our community?

- |  |   |
|--|---|
| <input type="checkbox"/> Aging issues, such as Alzheimer's disease,<br>hearing loss, memory loss, arthritis, falls | <input type="checkbox"/> Early sexual activity                                  |
| <input type="checkbox"/> Cancer  | <input type="checkbox"/> Heart disease/heart attack                             |
| <input type="checkbox"/> Chronic pain  | <input type="checkbox"/> Behavioral health issues (including depression, anger) |
| <input type="checkbox"/> Dental health (including tooth pain)  | <input type="checkbox"/> Obesity/overweight                                     |
| <input type="checkbox"/> Diabetes  | <input type="checkbox"/> Sexually transmitted infections                        |
| <input type="checkbox"/> Physical disability/mobility issues   | <input type="checkbox"/> Viruses (including COVID-19)                           |
| <input type="checkbox"/> Issues with cultural differences/religious beliefs  | <input type="checkbox"/> Issues with language barriers                          |

2. What would you say are the three (3) most **UNHEALTHY BEHAVIORS** in our community?

- |   |   |
|---|---|
| <input type="checkbox"/> Angry behavior/violence    | <input type="checkbox"/> Drug abuse (legal drugs)     |
| <input type="checkbox"/> Alcohol abuse              | <input type="checkbox"/> Lack of exercise             |
| <input type="checkbox"/> Child abuse                | <input type="checkbox"/> Poor eating habits           |
| <input type="checkbox"/> Domestic violence          | <input type="checkbox"/> Risky sexual behavior        |
| <input type="checkbox"/> Drug abuse (illegal drugs) | <input type="checkbox"/> Smoking/vaping (tobacco use) |

3. What would you say are the three (3) most important factors that would improve your **WELL-BEING**?

- |   |   |
|---|---|
| <input type="checkbox"/> Access to health services  | <input type="checkbox"/> Job opportunities                    |
| <input type="checkbox"/> Affordable healthy housing | <input type="checkbox"/> Less hatred & more social acceptance |
| <input type="checkbox"/> Availability of child care | <input type="checkbox"/> Less poverty                         |
| <input type="checkbox"/> Better school attendance   | <input type="checkbox"/> Less violence                        |
| <input type="checkbox"/> Good public transportation | <input type="checkbox"/> Safer neighborhoods/schools          |
| <input type="checkbox"/> Healthy food choices       |   |

## ACCESS TO CARE

The following questions ask about your own health and health choices. Remember, this survey will not be linked to you in any way.

### Medical Care

1. When you get sick, where do you go? (Please choose only one answer).

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Clinic/Doctor's office | <input type="checkbox"/> Emergency Department | <input type="checkbox"/> I don't seek medical attention |
| <input type="checkbox"/> Urgent Care Center     | <input type="checkbox"/> Health Department    | <input type="checkbox"/> Other                          |

If you don't seek medical attention, why not?

- ☐ Fear of Discrimination    ☐ Lack of trust    ☐ Cost    ☐ I have experienced bias    ☐ Do not need

2. In the last YEAR, was there a time when you needed medical care but were not able to get it?

- ☐ Yes (please answer #3)                      ☐ No (please go to #4: Prescription Medicine)

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3. If you were not able to get medical care, why not? (Please choose all that apply).

- |  |  |
|--|--|
| <input type="checkbox"/> Didn't have health insurance.                   | <input type="checkbox"/> Too long to wait for appointment.       |
| <input type="checkbox"/> Couldn't afford to pay my co-pay or deductible. | <input type="checkbox"/> Didn't have a way to get to the doctor. |
| <input type="checkbox"/> Fear of discrimination.                         | <input type="checkbox"/> Lack of trust.                          |

### Prescription Medicine

4. In the last YEAR, was there a time when you needed prescription medicine but were not able to get it?

- |   |  |
|---|--|
| <input type="checkbox"/> Yes (please answer #5) | <input type="checkbox"/> No (please go to #6: Dental Care) |
|---|--|

5. If you were not able to get prescription medicine, why not? (Please choose all that apply).

- |  |   |
|--|---|
| <input type="checkbox"/> Didn't have health insurance.                   | <input type="checkbox"/> Pharmacy refused to take my insurance or Medicaid. |
| <input type="checkbox"/> Couldn't afford to pay my co-pay or deductible. | <input type="checkbox"/> Didn't have a way to get to the pharmacy.          |
| <input type="checkbox"/> Fear of discrimination.                         | <input type="checkbox"/> Lack of trust.                                     |

### Dental Care

6. In the last YEAR, was there a time when you needed dental care but were not able to get it?

- |   |   |
|---|---|
| <input type="checkbox"/> Yes (please answer #7) | <input type="checkbox"/> No (please go to #8: Behavioral-Health Services) |
|---|---|

7. If you were not able to get dental care, why not? (Please choose all that apply).

- |  |  |
|--|--|
| <input type="checkbox"/> Didn't have dental insurance.                   | <input type="checkbox"/> The dentist refused my insurance/Medicaid |
| <input type="checkbox"/> Couldn't afford to pay my co-pay or deductible. | <input type="checkbox"/> Didn't have a way to get to the dentist.  |
| <input type="checkbox"/> Fear of discrimination.                         | <input type="checkbox"/> Lack of trust.                            |
| <input type="checkbox"/> Not sure where to find available dentist        |  |

### Behavioral-Health Services

8. In the last YEAR, was there a time when you needed behavioral-health services but could not get it?

- |   |   |
|---|---|
| <input type="checkbox"/> Yes (please answer #9) | <input type="checkbox"/> No (please go to next section – HEALTHY BEHAVIORS) |
|---|---|

9. If you were not able to get behavioral-health services, why not? (Please choose all that apply).

- |   |  |
|---|--|
| <input type="checkbox"/> Didn't have insurance.                         | <input type="checkbox"/> The counselor refused to take insurance/Medicaid. |
| <input type="checkbox"/> Couldn't afford to pay my co-pay or deductible | <input type="checkbox"/> Embarrassment.                                    |
| <input type="checkbox"/> Didn't have a way to get to a counselor.       | <input type="checkbox"/> Cannot find counselor.                            |
| <input type="checkbox"/> Fear of discrimination.                        | <input type="checkbox"/> Lack of trust.                                    |
| <input type="checkbox"/> Long wait time.                                |  |

### HEALTHY BEHAVIORS

The following questions ask about your own health and health choices. Remember, this survey will not be linked to you in any way.

#### Exercise

1. In the last WEEK how many times did you participate in exercise, (such as jogging, walking, weight-lifting, fitness classes) that lasted for at least 30 minutes?

- |  |                                      |                                      |  |
|--|--------------------------------------|--------------------------------------|--|
| <input type="checkbox"/> None (please answer #2) | <input type="checkbox"/> 1 – 2 times | <input type="checkbox"/> 3 - 5 times | <input type="checkbox"/> More than 5 times |
|--|--------------------------------------|--------------------------------------|--|

2. If you answered "none" to the question about exercise, why didn't you exercise in the past week? (Please choose all that apply).

- |   |  |
|---|--|
| <input type="checkbox"/> Don't have any time to exercise.           | <input type="checkbox"/> Don't like to exercise.                 |
| <input type="checkbox"/> Can't afford the fees to exercise.         | <input type="checkbox"/> Don't have child care while I exercise. |
| <input type="checkbox"/> Don't have access to an exercise facility. | <input type="checkbox"/> Too tired.                              |
| <input type="checkbox"/> Safety issues.                             |  |

### Healthy Eating

3. On a typical DAY, how many **servings/separate portions** of fruits and/or vegetables did you have? An example would be a banana (but not banana flavored pudding).

- ☐ None (please answer #4)    ☐ 1 - 2 servings    ☐ 3 - 5 servings    ☐ More than 5 servings

4. If you answered "none" to the questions about fruits and vegetables, why didn't you eat fruits/vegetables? (Please choose all that apply).

- |   |  |
|---|--|
| <input type="checkbox"/> Don't have transportation to get fruits/vegetables | <input type="checkbox"/> Don't like fruits/vegetables    |
| <input type="checkbox"/> It is not important to me                          | <input type="checkbox"/> Can't afford fruits/vegetables  |
| <input type="checkbox"/> Don't know how to prepare fruits/vegetables        | <input type="checkbox"/> Don't have a refrigerator/stove |
| <input type="checkbox"/> Don't know where to buy fruits/vegetables          |  |

5. Where is your primary source of food? (Please choose only one answer).

- |  |                                      |  |  |
|--|--------------------------------------|--|--|
| <input type="checkbox"/> Grocery store | <input type="checkbox"/> Fast food   | <input type="checkbox"/> Gas station       | <input type="checkbox"/> Food delivery program |
| <input type="checkbox"/> Food pantry   | <input type="checkbox"/> Farm/garden | <input type="checkbox"/> Convenience store |  |

6. Please check the box next to any health conditions that you have. (Please choose all that apply).

If you don't have any health conditions, please check the first box and go to question #8: Smoking.

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> I do not have any health conditions | <input type="checkbox"/> Diabetes        | <input type="checkbox"/> Behavioral-health conditions |
| <input type="checkbox"/> Allergy                             | <input type="checkbox"/> Heart problems  | <input type="checkbox"/> Stroke                       |
| <input type="checkbox"/> Asthma/COPD                         | <input type="checkbox"/> Overweight      |   |
| <input type="checkbox"/> Cancer                              | <input type="checkbox"/> Memory problems |   |

7. If you identified any conditions in Question #6, how often do you follow an eating plan to manage your condition(s)?

- ☐ Never    ☐ Sometimes    ☐ Usually    ☐ Always

### Smoking

8. On a typical DAY, how many cigarettes do you smoke?

- ☐ None    ☐ 1 - 4    ☐ 5 - 8    ☐ 9 - 12    ☐ More than 12

### Vaping

9. On a typical DAY, how many times do you use electronic vaping?

- ☐ None    ☐ 1 - 4    ☐ 5 - 8    ☐ 9 - 12    ☐ More than 12

### GENERAL HEALTH

10. Where do you get most of your health information and how would you like to get health information in the future? (For example, do you get health information from your doctor, from the Internet, etc.). \_\_\_\_\_

11. Do you have a personal physician/doctor? ☐ Yes ☐ No

12. How many days a week do you or your family members go hungry?  
☐ None ☐ 1-2 days ☐ 3-5 days ☐ More than 5 days

13. In the last 30 DAYS, how many days have you felt depressed, down, hopeless?  
☐ None ☐ 1-2 days ☐ 3-5 days ☐ More than 5 days

14. In the last 30 DAYS, how often has your stress and/or anxiety stopped you from your normal daily activities?  
☐ None ☐ 1-2 days ☐ 3-5 days ☐ More than 5 days

15. In the last YEAR have you talked with anyone about your behavioral health?  
☐ Yes (please answer #16) ☐ No (please go to #17)

16. If you talked to anyone about your behavioral health, who was it?  
☐ Doctor/nurse ☐ Counselor ☐ Family/friend

17. How often do you use prescription medications (not prescribed to you or used differently than how the doctor instructed) on a typical DAY?  
☐ None ☐ 1-2 times ☐ 3-5 times ☐ More than 5 times

18. How many alcoholic drinks do you have on a typical DAY?  
☐ None ☐ 1-2 drinks ☐ 3-5 drinks ☐ More than 5 drinks

19. How often do you use marijuana on a typical DAY?  
☐ None ☐ 1-2 times ☐ 3-5 times ☐ More than 5 times

20. How often do you use substances such as inhalants, ecstasy, cocaine, meth or heroin on a typical DAY?  
☐ None ☐ 1-2 times ☐ 3-5 times ☐ More than 5 times

21. Do you feel safe where you live? ☐ Yes ☐ No

22. In the past 5 years, have you had a:

Breast/mammography exam	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not applicable
Prostate exam	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not applicable
Colonoscopy/colorectal cancer screening	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not applicable
Cervical cancer screening/pap smear	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not applicable

## Overall Health Ratings

21. My overall physical health is: ☐ Below average ☐ Average ☐ Above average  
22. My overall behavioral health is: ☐ Below average ☐ Average ☐ Above average

## INTERNET

1. Do you have Internet at home? For example, can you watch Youtube at home?

☐ Yes (please go to next section – BACKGROUND INFORMATION) ☐ No (please answer #2)

2. If don't have Internet, why not? ☐ Cost ☐ No available Internet provider ☐ I don't know how  
☐ Data limits ☐ Poor Internet service ☐ No phone or computer

## BACKGROUND INFORMATION

1. What county do you live in?

☐ Champaign ☐ Other

2. What is your Zip Code? \_\_\_\_\_

3. What type of health insurance do you have? (Please choose all that apply).

☐ Medicare ☐ Medicaid/State insurance ☐ Commercial/Employer

☐ Don't have (Please answer #4)

4. If you answered "don't have" to the question about health insurance, why **don't** you have insurance? (Please choose all that apply).

☐ Can't afford health insurance ☐ Don't need health insurance  
☐ Don't know how to get health insurance

5. What is your gender? ☐ Male ☐ Female ☐ Non-binary ☐ Transgender ☐ Prefer not to answer

6. What is your sexual orientation? ☐ Heterosexual ☐ Lesbian ☐ Gay ☐ Bisexual  
☐ Queer ☐ Prefer not to answer

7. What is your age? ☐ Under 20 ☐ 21-35 ☐ 36-50 ☐ 51-65 ☐ Over 65

8. What is your racial or ethnic identification? (Please choose only one answer).

☐ White/Caucasian ☐ Black/African American ☐ Hispanic/LatinX  
☐ Pacific Islander ☐ Native American ☐ Asian/South Asian  
☐ Multiracial

9. What is your highest level of education? (Please choose only one answer).

☐ Grade/Junior high school ☐ Some high school ☐ High school degree (or GED)  
☐ Some college (no degree) ☐ Associate's degree ☐ Certificate/technical degree  
☐ Bachelor's degree ☐ Graduate degree

10. What was your household/total income last year, before taxes? (Please choose only one answer).

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Less than \$20,000   | <input type="checkbox"/> \$20,001 to \$40,000  | <input type="checkbox"/> \$40,001 to \$60,000 |
| <input type="checkbox"/> \$60,001 to \$80,000 | <input type="checkbox"/> \$80,001 to \$100,000 | <input type="checkbox"/> More than \$100,000  |

11. What is your housing status?

- ☐ Do not have      ☐ Have housing, but worried about losing it      ☐ Have housing, **NOT** worried about losing it

12. If you answered that you have housing, does your house have:

- |  |                                  |                               |  |
|--|----------------------------------|-------------------------------|--|
| <input type="checkbox"/> leaking roof  | <input type="checkbox"/> mold    | <input type="checkbox"/> heat | <input type="checkbox"/> air conditioning                              |
| <input type="checkbox"/> running water | <input type="checkbox"/> rodents | <input type="checkbox"/> lead | <input type="checkbox"/> electricity <input type="checkbox"/> Internet |

13. How many people live with you? \_\_\_\_\_

14. How often do you communicate with people you care about and feel close to? (For example, talking, texting, meeting with friends/family?)

- ☐ Less than once per week    ☐ 1–2 times per week    ☐ 3 - 5 times per week    ☐ More than 5 times per week

15. How often do you bike, walk, or use public transportation to get to work?

- ☐ Less than once per week    ☐ 1–2 times per week    ☐ 3 - 5 times per week    ☐ More than 5 times per week

16. Please tell us about **YOUR** neighborhood:

	Poor	Needs Improvement	Good
Access to public transportation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access to sidewalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Streetlights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wheelchair accessibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low vision accessibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pedestrian crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bike paths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

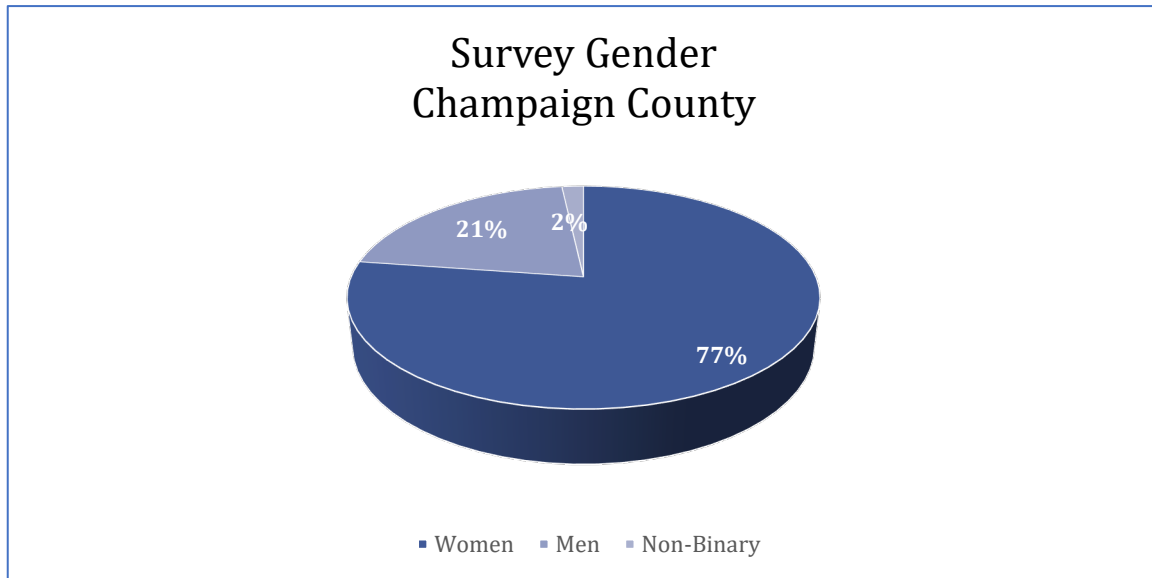
Is there anything else you'd like to share about your own health goals or health issues in our community?

---

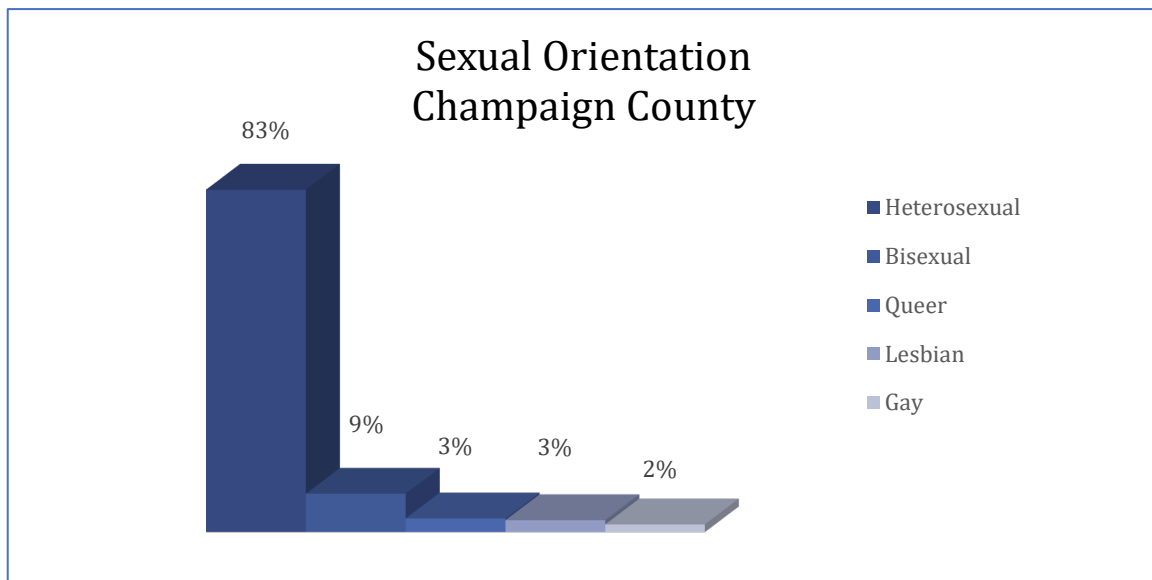
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**Thank you very much for sharing your views with us!**

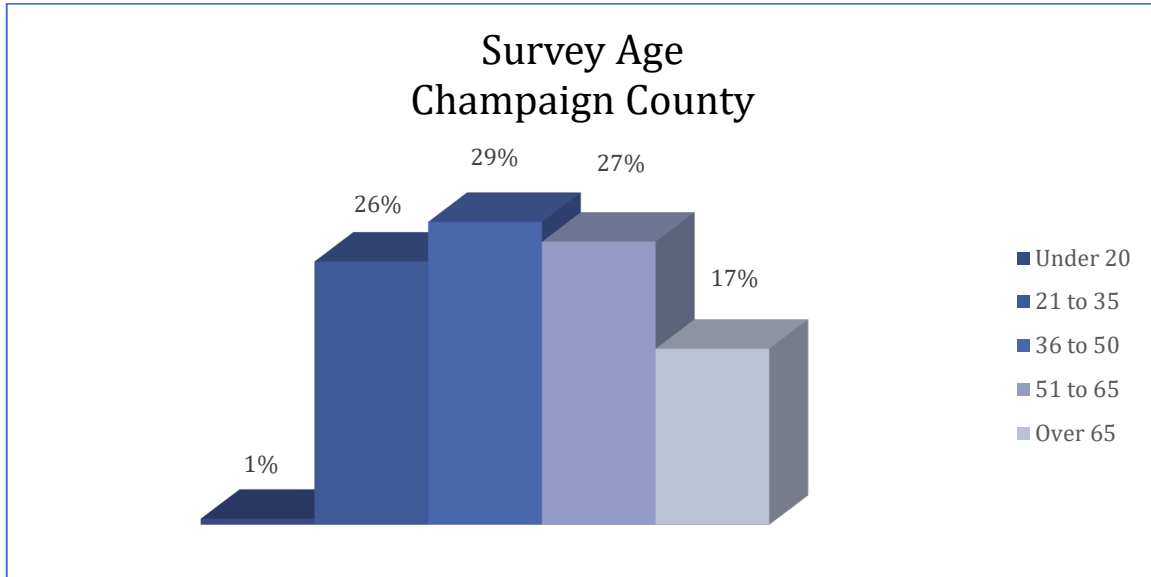
## APPENDIX 4: Characteristics of Survey Respondents



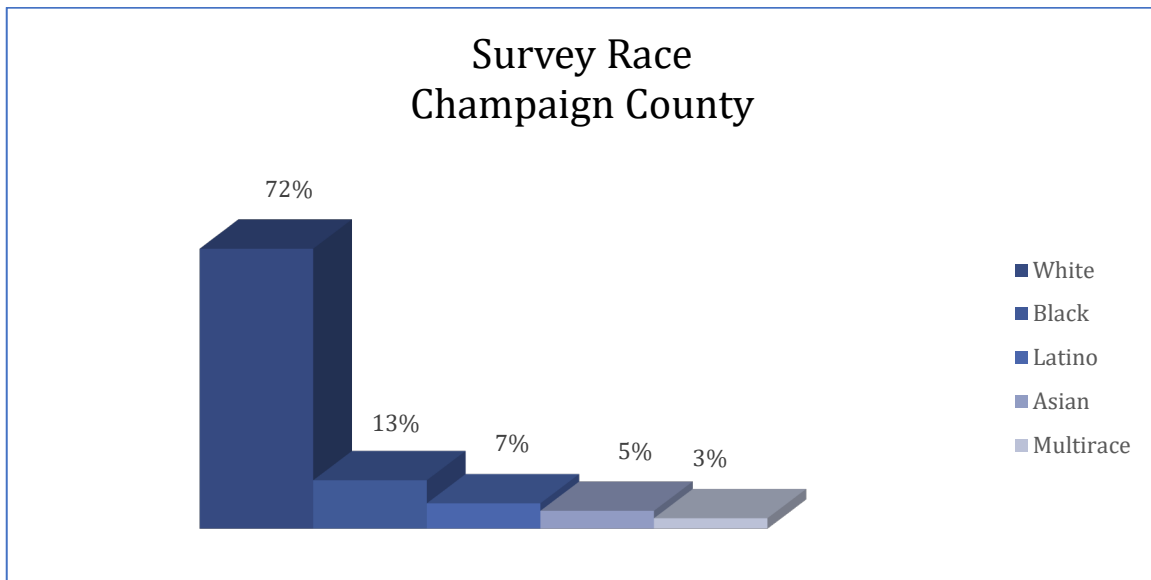
Source: CHNA Survey



Source: CHNA Survey

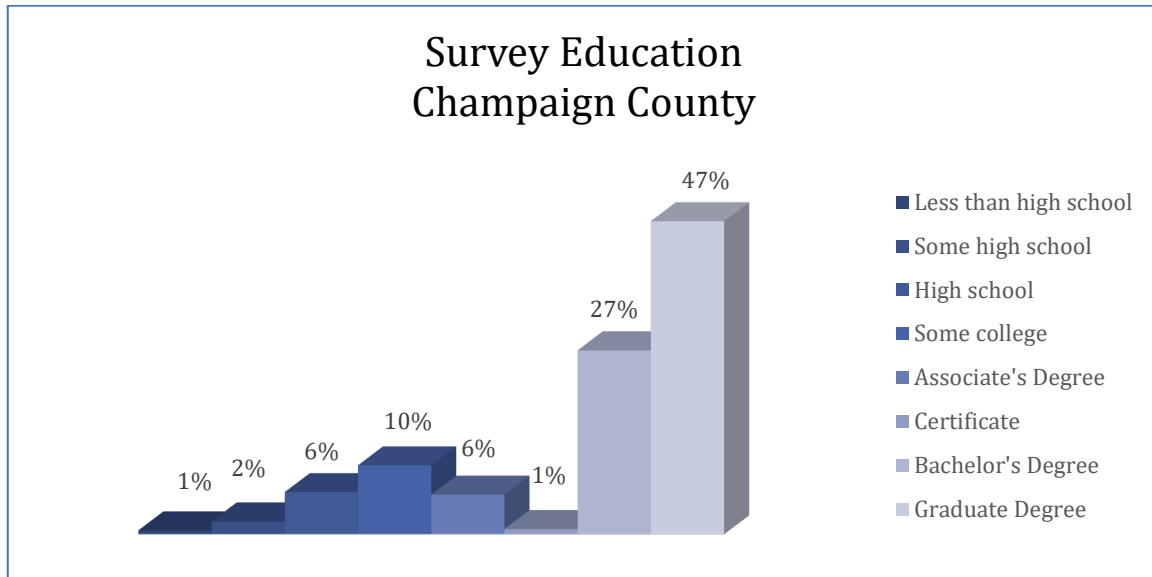


Source: CHNA Survey



Source: CHNA Survey

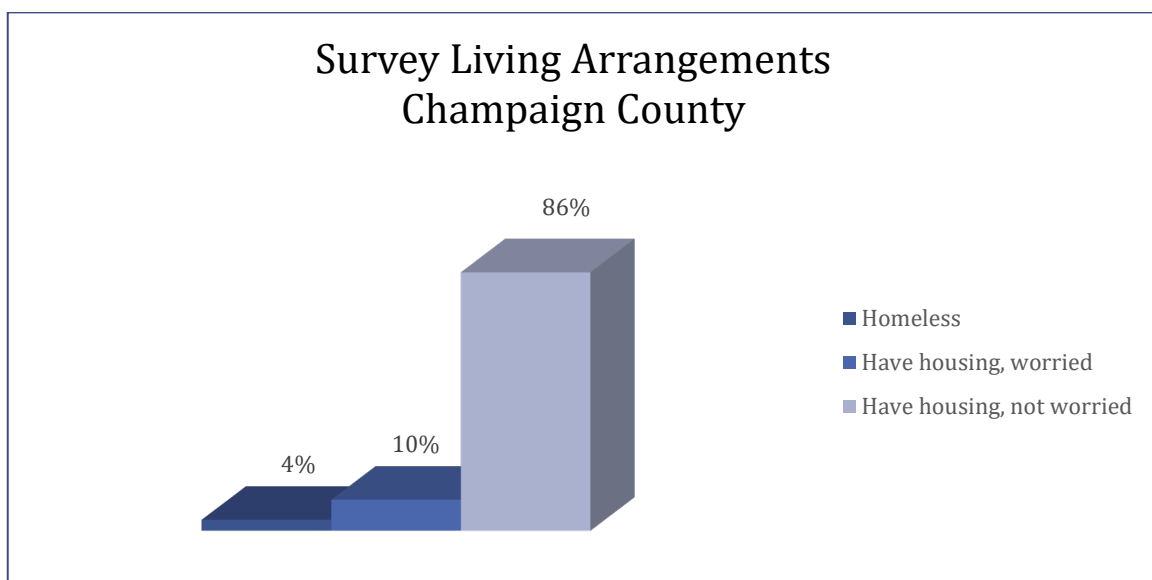




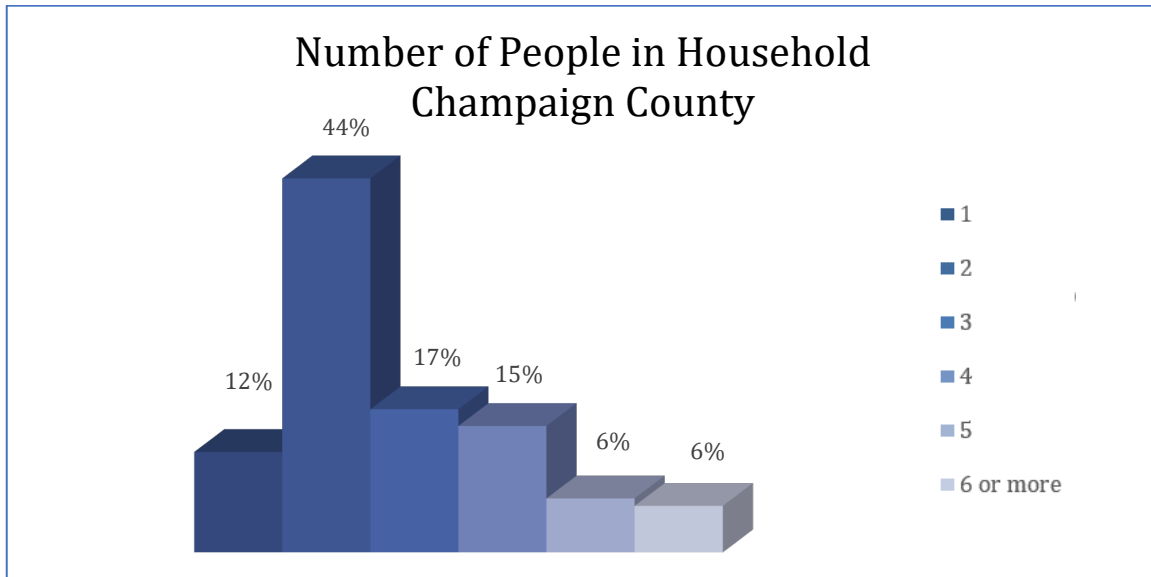
Source: CHNA Survey

## Housing Environment

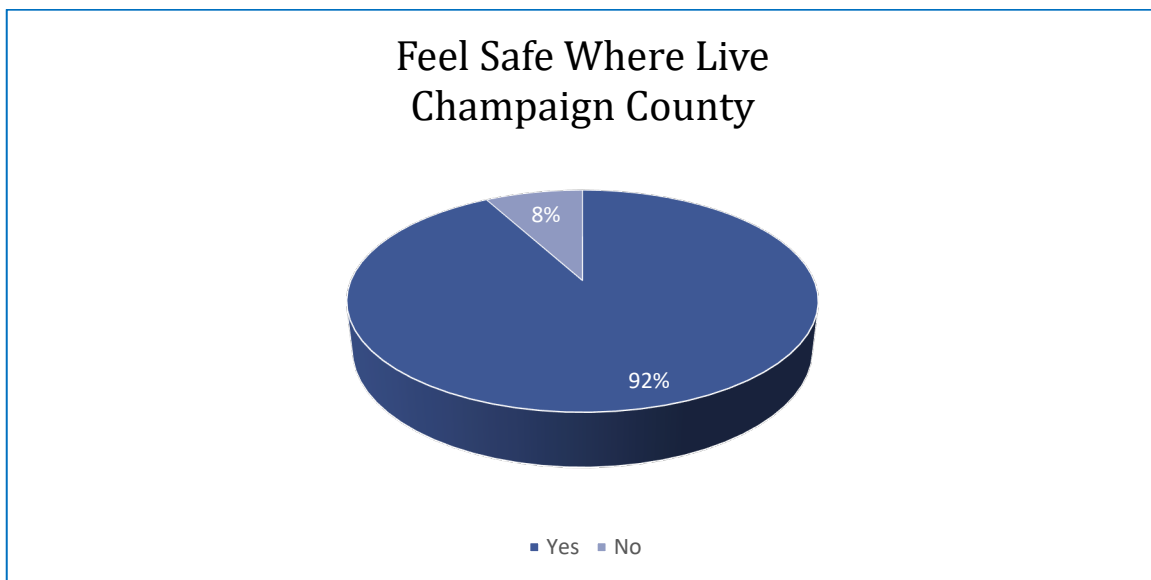
Housing environment is a measure of the housing-related standard of living in a community. Key risk influencers include affordability, crowding and quality. For Champaign County, 34% of the population is at elevated risk for housing environment. This is similar to the State of Illinois average of 33% (SocialScape® powered by SociallyDetermined®, 2022).



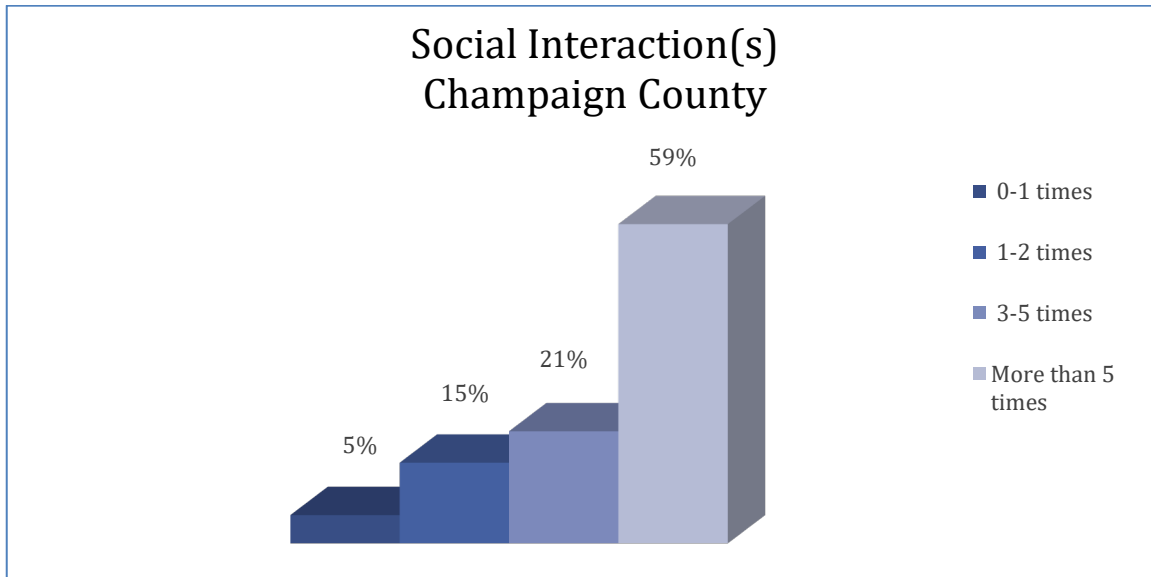
Source: CHNA Survey



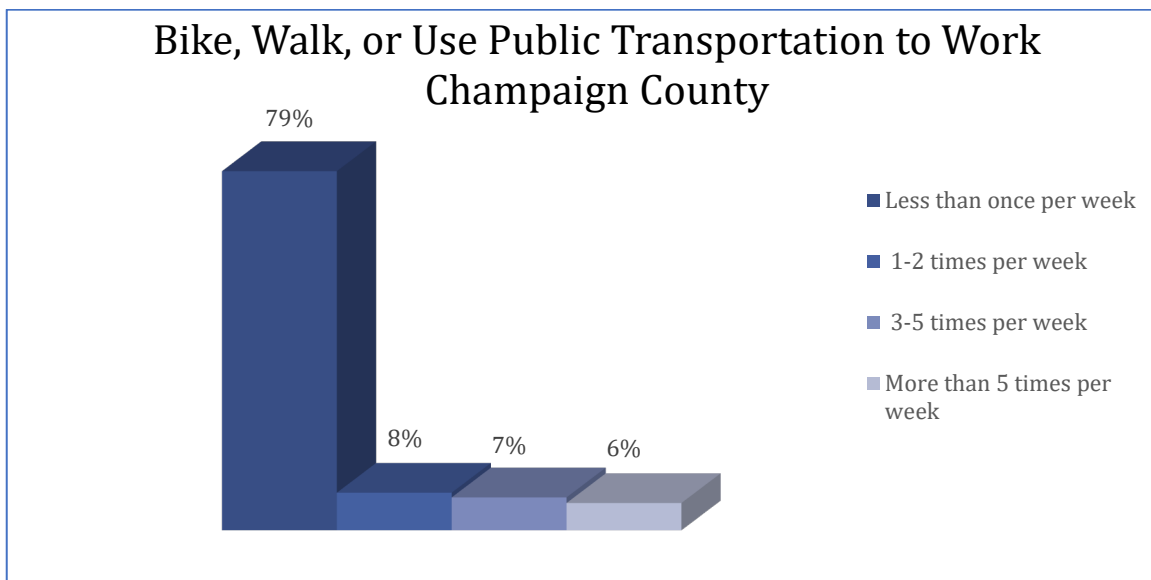
Source: CHNA Survey



Source: CHNA Survey

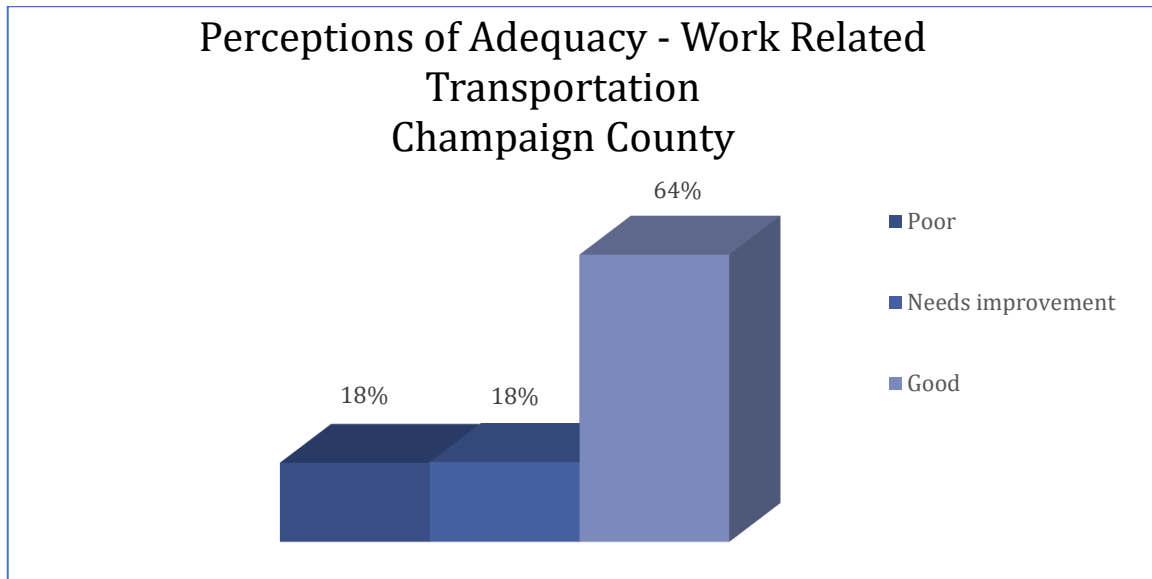


Source: CHNA Survey

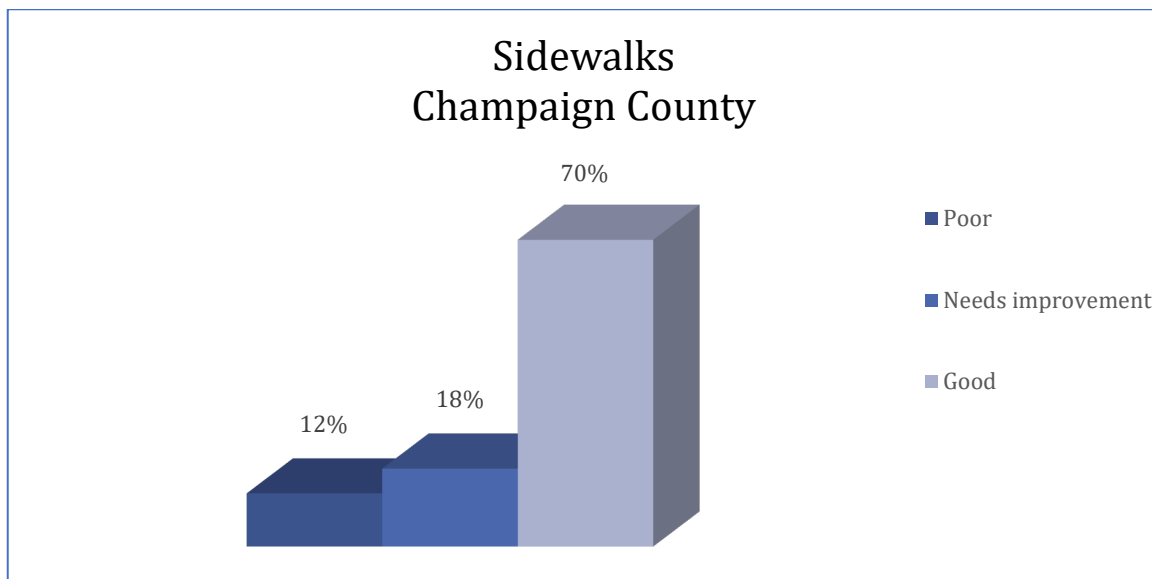


Source: CHNA Survey

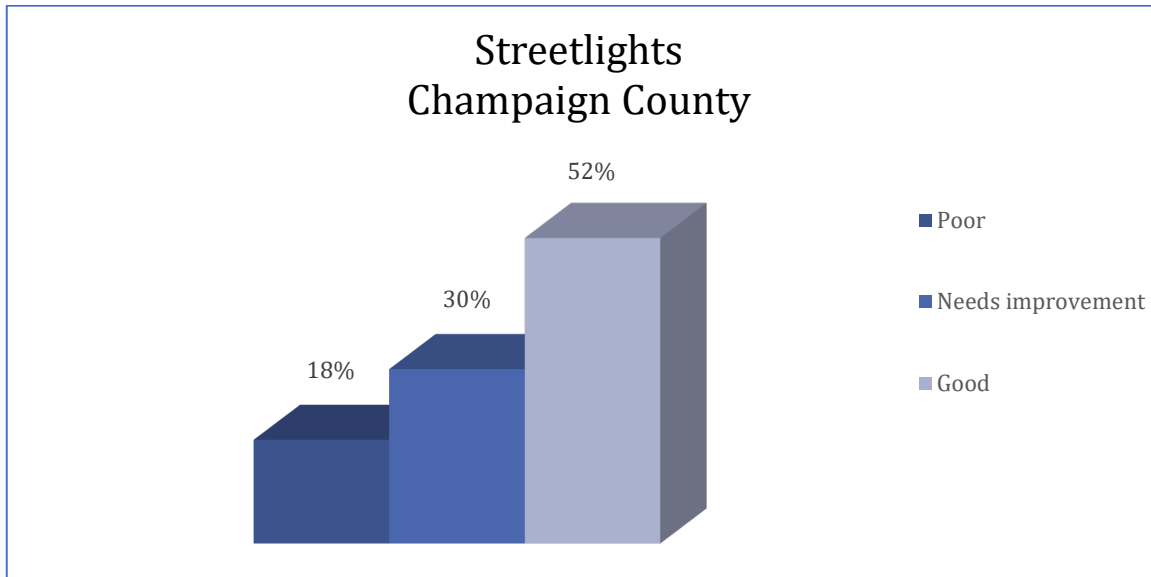
## APPENDIX 5: Community Perceptions of Resources



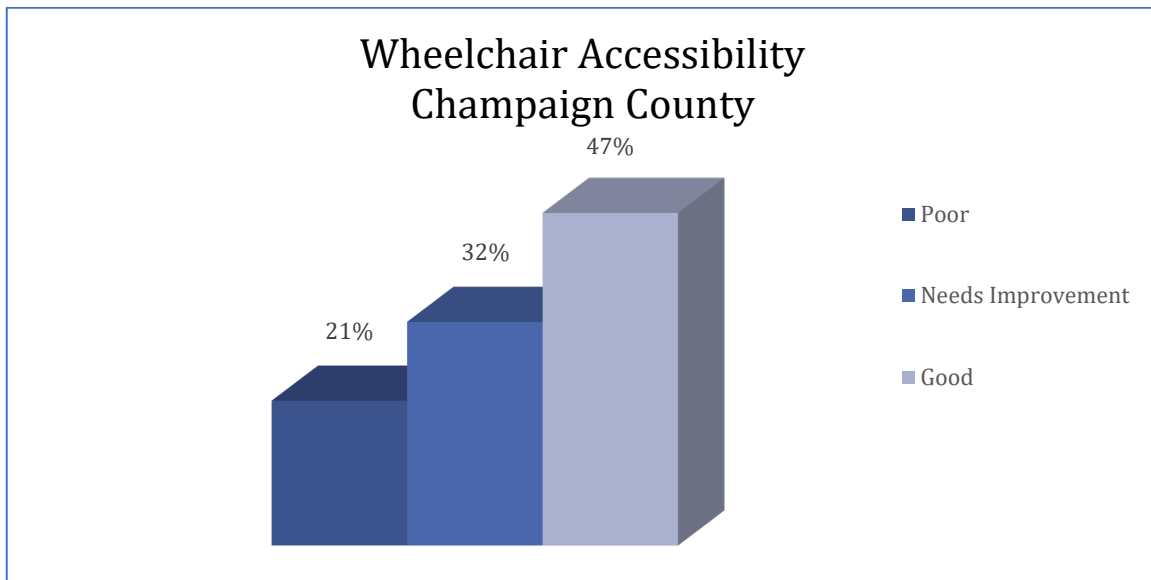
Source: CHNA Survey



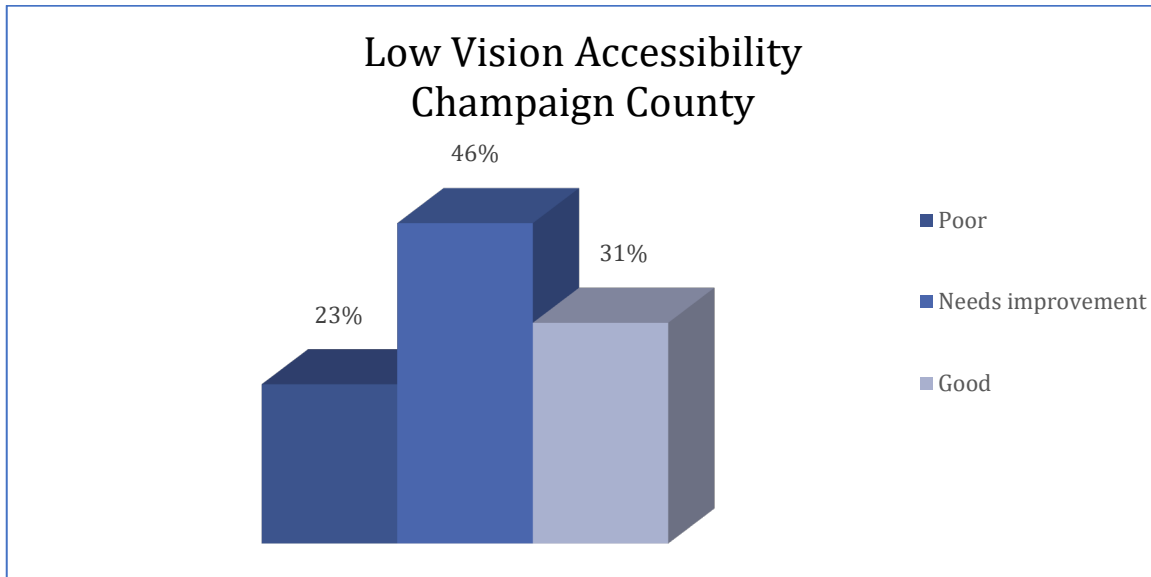
Source: CHNA Survey



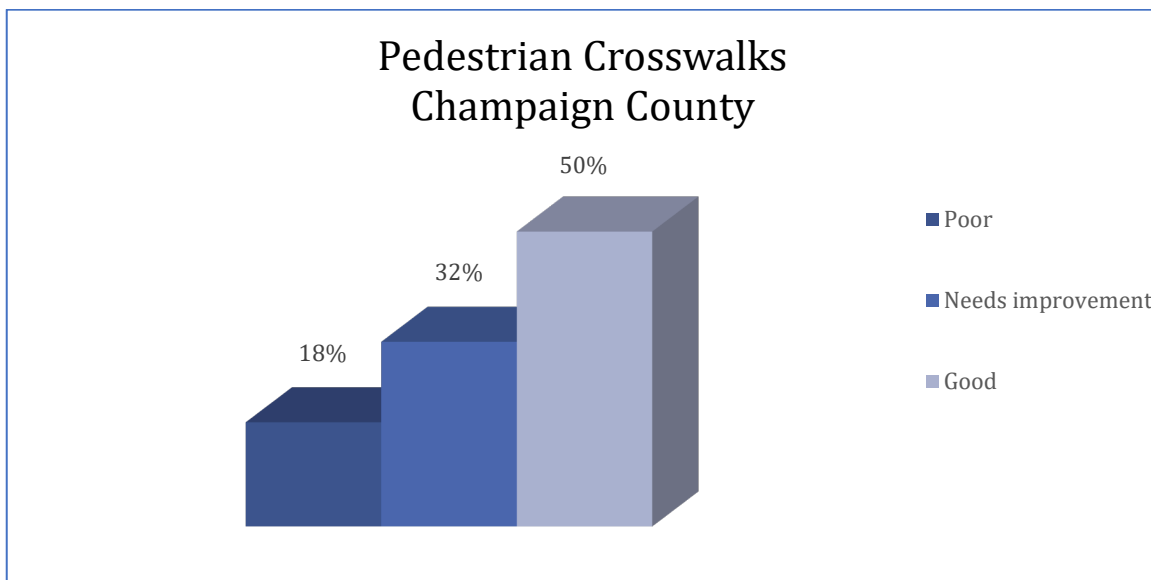
Source: CHNA Survey



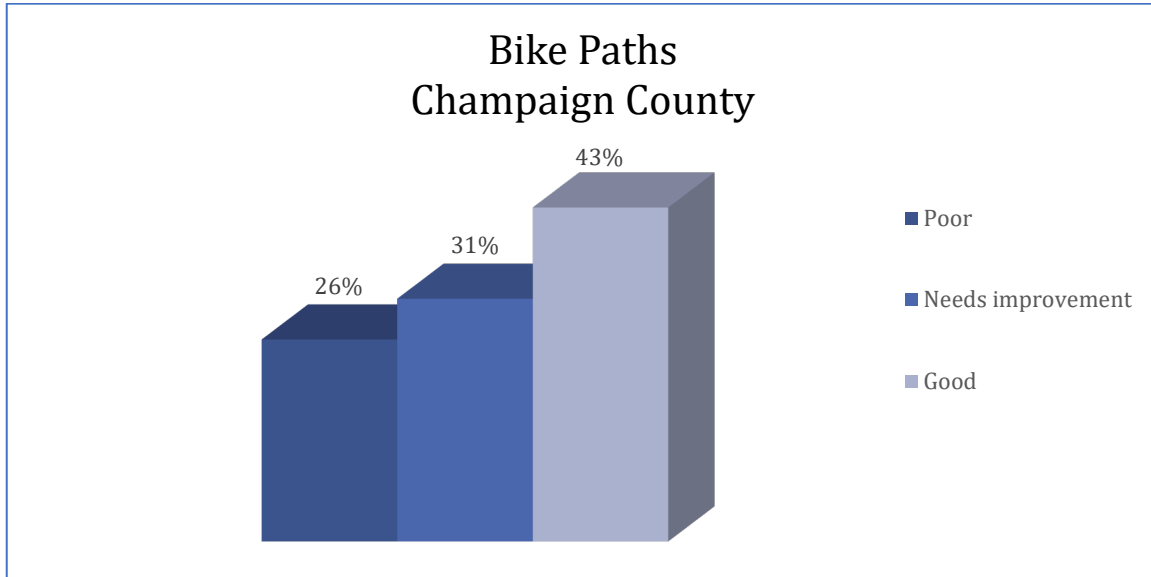
Source: CHNA Survey



Source: CHNA Survey



Source: CHNA Survey



Source: CHNA Survey

## APPENDIX 6: Resource Matrix

	Behavioral Health	Health Literacy	Cancer	Healthy Behaviors & Wellness	Obesity	Suicides	Violence
<b>Recreational Facilities</b>							
Champaign Park District				3	3		1
Champaign-Urbana Special Recreation				3	2		
Savoy Recreation Center				3	2		1
University of Illinois Campus Recreation				3	2		1
Urbana Park District				3	3		1
YMCA				3	3		1
<b>Health Departments</b>							
Champaign-Urbana Public Health District	1	3		3	2	1	1
<b>Governmental Entities</b>							
Champaign County Developmental Disabilities Board	3	3		3			
Champaign County Mental Health Board	3					3	3
<b>Community Organizations</b>							
C-U at Home	2					1	1
Center for Youth and Family Solutions						1	3
Champaign County Healthcare Consumers	3	3					



	Behavioral Health	Health Literacy	Cancer	Healthy Behaviors & Wellness	Obesity	Suicides	Violence
Courage Connection							3
Crisis Nursery	1						2
Daily Bread Soup Kitchen				3			1
Eastern Illinois Foodbank				3			
Family Service of Champaign County	1			2	1	1	1
Prevention and Treatment Services (P.A.T.S.)						1	3
Rape Advocacy Counseling and Education Services (RACES)							3
Rosecrance	3					2	3
Salt & Light	1			2			
United Way of Champaign County	1			3			1
University of Illinois Counseling Center	3			1		3	3
<b>Hospitals / Clinics</b>							
Avicenna Community Health Center	1	2		3	2		2
Carle Foundation Hospital	2	3	2	3	3	1	2
Champaign County Christian Health Center	2	3	1	1	2	1	2
Christie Clinic		3	2	3	3		2
McKinley Health Center	3	3		2	2	3	2
OSF HealthCare Heart of Mary Medical Center	3	3	2	3	2	1	2
Promise Healthcare	3	3	2	2	2	1	2

	Behavioral Health	Health Literacy	Cancer	Healthy Behaviors & Wellness	Obesity	Suicides	Violence
Pavilion Behavioral Health Services	3					3	3

(1)= low; (2)= moderate; (3) = high, in terms of degree to which the need is being addressed

## **APPENDIX 7: Description of Community Resources**

### **RECREATIONAL FACILITIES (6)**

#### **Champaign Park District**

The Champaign Park District exists to provide care for public lands and opportunities for personal growth. They exist to enhance the community's quality of life through positive experiences in parks, recreation, and cultural arts. Some facilities they have include Leonhard Recreation Center, Firefighters Park, etc.

#### **Champaign-Urbana Special Recreation**

Champaign-Urbana Special Recreation (CUSR) was formed through a cooperative agreement with the Champaign and Urbana Park Districts to provide recreation programs and leisure services for residents with disabilities. Inclusion and specialized programs are available.

#### **Savoy Recreation Center**

The Savoy Recreation Center was built to serve the community with quality of programming and events. Some activities they hold are mahjong club, pickle ball, basketball lessons, etc.

#### **University of Illinois Campus Recreation**

Campus Recreation also offers unique programs designed for patrons of diverse interests, including a variety of group fitness offerings, dozens of intramural activities, instructional cooking demonstrations, wellness workshops, rock climbing clinics, swimming programs, personal training sessions, bicycle demonstrations, ice skating classes, and a variety of club sports.

#### **Urbana Park District**

The Urbana Park District strives to pursue excellence in a variety of programs, parks and special facilities that contribute to the attractiveness of neighborhoods, conservation of the environment and overall health of the community. Some facilities they have include Crystal Lake Park Family Aquatic Center, Phillips Recreation Center, gyms, and parks.

#### **YMCA**

The Stephens Family YMCA is a leading nonprofit community service organization, serving Champaign, Urbana, Savoy and the surrounding communities with health and fitness facilities, day camps, and numerous child-care locations. There are youth and adult sports, summer camps, swimming lessons, group exercise classes (both land and water), after-school programs, recreation activities, and so much more.

### **HEALTH DEPARTMENTS (1)**

#### **Champaign-Urbana Public Health District**

CUPHD offers a variety of Public Health services including, but not limited to, environmental health inspections and permits; disease tracking, reporting, and investigation; HIV counseling and testing, prevention, and management; sexually transmitted disease testing and treatment; family planning

services; education and health promotion; preventive services and case management for women; immunizations; and an array of other services to pregnant women, children, teenagers, and adults of all ages.

## **GOVERNMENT ENTITIES (2)**

### **Champaign County Developmental Disabilities Board**

Established by referendum in 2004, the basis for the CCDDDB's mission and policies is the Community Care for Persons with Developmental Disabilities Act, 50 Illinois Compiled Statutes 835. The focus is planning and promotion of a local system of services for people who have intellectual/developmental disabilities, in accordance with the assessed priorities of the citizens of Champaign County. The majority of this public trust fund is spent on community-based services along with information resources, agency supports, trainings, and community awareness events. Detailed information on board activities and decisions is available at <https://www.co.champaign.il.us/mhbddb/mhbddb.php> and <https://ccmhddbrds.org>

### **Champaign County Mental Health Board**

Funded by referendum in 1972, the basis for the CCMHB's mission and policies is the Community Mental Health Act, 405 Illinois Compiled Statutes 20. The focus is planning and promotion of a local system of services for the prevention and treatment of mental or emotional, developmental and substance abuse disorders, in accordance with the assessed priorities of the citizens of Champaign County. The majority of this public trust fund is spent on community-based services along with information resources, agency supports, trainings, and community awareness events. Detailed information on board activities and decisions is available at <https://www.co.champaign.il.us/mhbddb/mhbddb.php> and <https://ccmhddbrds.org>

## **COMMUNITY AGENCIES/PRIVATE PRACTICES (14)**

### **C-U at Home**

C-U at Home is a grassroots, 501 c (3), faith-based homelessness ministry with facilities located in the Champaign-Urbana area. CU at Home engages and mobilizes their community to house and support the most vulnerable homeless on their journey of healing and restoration. They offer different services such as the Phoenix Daytime Drop-In Center, Transitional Housing, Street Outreach, Transportation Ministry, and Education & Advocacy. CU at Home offers men's shelter and women's shelter in which they receive a bed, snacks, and wrap-around case management services. Volunteers help around the facility by doing laundry, cleaning bathrooms, mopping the floor, or removing trash.

### **Center for Youth and Family Solutions**

The Center for Youth and Family Solutions provides critical counseling, casework, and support services to help people struggling with trauma, grief, loss, abuse, neglect, and other family life challenges. Trauma-informed, LGBTQ+ affirming, individual, family, and couples therapy offered.

### **Champaign County Healthcare Consumers**

Champaign County Health Care Consumers (CCHCC) believes that health care is a basic human right, and is dedicated to the mission of working for quality affordable health care for all, and for environmental health and

justice. CCHCC organizes individuals and communities to have a voice in the health care system and to affect social change to achieve health justice. CCHCC carries out its mission through direct service, consumer education, advocacy, and community organizing.

### **Courage Connection**

Courage Connection provides housing and supportive services to individuals and families who are victims of domestic violence. They believe in the right of every person to safety and the potential of every person for success.

### **Crisis Nursery**

Crisis Nursery is dedicated to the prevention of child abuse and neglect by providing 24-hour emergency care for children and support to strengthen families in crisis. Crisis Nursery is the only emergency-based child care facility in Champaign County that is open 24 hours, 365 days a year for the entire community to access with no fees or income eligibility.

### **Daily Bread Soup Kitchen**

The Daily Bread Soup Kitchen aims to feed the hungry of their community. They serve a hot meal of soup, salad, entree, dessert and beverage to over 200 guests per day. They are *entirely volunteer run* and depend on donations from individuals, businesses and local grants.

### **Eastern Illinois Foodbank**

The Eastern Illinois Foodbank is the primary food source for food pantries, soup kitchens, homeless shelters, and other programs working to feed the hungry. The foodbank distributes to 28 agencies in Champaign County. The Foodbank also operates programs targeted to children, seniors and veterans, through a School Market, backpack program, and mobile food pantries.

### **Family Service of Champaign County**

Family Service provides a variety of programs for families and seniors. Programs include Children First, counseling, Retired and Senior Volunteer Program, Self-Help Center, Senior Resource Center, and Meals on Wheels.

### **Prevention and Treatment Services (P.A.T.S.)**

P.A.T.S. provides substance abuse assessment, substance abuse counseling and groups, DUI services, mental health assessment and counseling, anger management, and a Partner Abuse Intervention Program. A summer day camp for kids is also provided that includes social and life skills, anger management training, and homework help.

### **Rape Advocacy, Counseling & Education Services (RACES)**

RACES offers a variety of services to victims/survivors of sexual assault, abuse, and harassment and their non-offending significant others. Services include a 24 hour crisis line, counseling, legal advocacy, medical advocacy, and public education & training.

### **Rosecrance**

Rosecrance is dedicated to recovery in Central Illinois by providing evidence-based treatment for mental health

and substance abuse disorders. Help is available for children, adults, and families through a variety of behavioral healthcare programs and addiction recovery services.

### **Salt & Light**

The staff of Salt & Light help community members gain access to food, clothing, and household goods, in spite of financial obstacles. They believe that people struggling with poverty are not projects. As a relational ministry, they encourage the community to partner with them by shopping in their stores, volunteering your time, and donating your goods and finances.

### **United Way**

United Way of Champaign County uses a three-part plan for community impact. **Community Change Grants** are highly targeted multi-year funding to programs and collaborations that are working alongside United Way to solve our community's most challenging problems in health, education, and financial stability. **Community Building Work** brings nonprofits, businesses, government, and people together to innovate and find new solutions to community problems. Community Essentials Grants are grants for the critical things people need to thrive in our world today (food, water, housing, healthcare, clothing, identification, and access to technology)

### **University of Illinois Counseling Center**

The Counseling Center provides a range of services intended to help students develop improved coping skills to address emotional, interpersonal, and academic concerns. We offer individual counseling, group counseling, referrals to community therapists, and specialized assessments for alcohol and other drug use, ADHD, and eating disorders.

## **HOSPITALS/CLINICS (8)**

### **Avicenna Community Health Center**

Avicenna Community Health Center is a free clinic for individuals who are uninsured or underinsured. It is open on Sundays from 1-4pm. The center is operated by a volunteer team comprised of healthcare providers, healthcare professional students, and community members.

### **Carle Foundation Hospital**

Based in Urbana, IL, Carle Foundation Hospital ranks as one of America's 50 Best Hospitals by Health grades and holds Magnet designation. Carle has 453 beds and is considered a Level I Trauma Center and offers Level III perinatal service. It is certified as a Comprehensive Stroke Center and Level 3 Epilepsy Center.

### **Champaign County Christian Health Center**

Champaign County Christian Health Center is a free, faith-based clinic in Champaign IL. It provides free healthcare to underinsured and uninsured patients.

### **Christie Clinic**

Christie Clinic is one the largest physician-owned, multi-specialty group medical practices in Illinois. They are driven by the mission of "We Listen. We Care," with their staff and providers being known throughout the community for having a personal touch with their patients. There are many specialties

available, including allergies, audiology, cardiology, dermatology, neurology, ophthalmology, pathology, radiology, and more.

### **McKinley Health Center**

McKinley Health Center serves the students at the University of Illinois at Urbana-Champaign. The Health Service Fee is paid as part of the student's enrollment and provides the funds to prepay many of your health care needs. Services include 24 hour Dial-A-Nurse, pharmacy service, mental health counseling and treatment, travel exams and inoculations, women's health clinic, health resource center, and more.

### **OSF HealthCare Heart of Mary Medical Center**

OSF Heart of Mary Medical Center is a 210-bed non-profit hospital located in Urbana, IL owned and operated by The Sisters of the Third Order of St. Francis. It is part of the OSF HealthCare System, which is headquartered in Peoria, IL. The mission of OSF HealthCare is to serve persons with the greatest care and love in a community that celebrates the Gift of Life.

### **Promise Healthcare**

Promise Healthcare provides health center services and also community health services in four different locations in the Champaign-Urbana area. Health center services include COVID care, walk-in clinic, prenatal care, school physicals, psychiatry, dental care, lab services, social services, and more. The community health services include outreach and enrollment for Medicaid and Medicare.

### **Pavilion Behavioral Health Services**

The Pavilion Behavioral Health System has been the leading provider of behavioral health and addictions treatment for families in Illinois since 1989. Located in Champaign, Illinois, we provide a secure, nurturing environment where children, adolescents, adults and senior adults can find hope and healing from emotional, psychiatric and addictive diseases.

Our dedicated and compassionate staff provide therapeutic programming options that include individual, group and family therapy. We also offer activity and recreational therapy, psychoeducational groups and medical intervention services.

## APPENDIX 8: Prioritization Methodology

### 5-Step Prioritization of Community Health Issues

**Step 1.** Review Data for Potential Health Issues

**Step 2.** Briefly Discuss Relationships Among Issues

**Step 3.** Apply “PEARL” Test from Hanlon Method<sup>2</sup>

Screen out health problems based on the following feasibility factors:

**Propriety** – Is a program for the health problem appropriate?

**Economics** – Does it make economic sense to address the problem?

**Acceptability** – Will a community accept the program? Is it wanted?

**Resources** – Is funding available for a program?

**Legality** – Do current laws allow program activities to be implemented?

**Step 4.** Use Voting Technique to Narrow Potential Issues

Prioritize Issues. Use a weighted-scale approach (1-5 scale) to rate remaining issues based on:

**1. Magnitude** – size of the issue in the community. Considerations include, but are not limited to:

- Percentage of general population impacted
- Prevalence of issue in low-income communities
- Trends and future forecasts

**2. Severity** – importance of issue in terms of relationships with morbidities, comorbidities and mortality. Considerations include, but are not limited to:

- Does an issue lead to serious diseases/death
- Urgency of issue to improve population health

**3. Potential for impact through collaboration** – can management of the issue make a difference in the community?

Considerations include, but are not limited to:

- Availability and efficacy of solutions
- Feasibility of success





**CARLE FOUNDATION HOSPITAL**  
**Community Benefit Implementation Plan**  
**2023-2025**

## **MISSION**

**To be your trusted partner in all healthcare decisions.**

Our Carle Health shared mission defines who we are, what we stand for, and the importance of our relationship with our patients, staff and community. As a locally-based private, not-for-profit organization, we take seriously our obligation to treat and provide high quality care to everyone, regardless of their ability to pay. This mission statement looks beyond medicine to include research and education, both of which remain highly valued by our organization.

## **COMMUNITY HEALTH NEEDS ASSESSMENT SUMMARY**

The 2022 Champaign County Community Health Needs Assessment is a collaborative undertaking by the Regional Executive Committee, consisting of Carle Foundation Hospital, Champaign County Mental Health Board, Champaign County Developmental Disabilities Board, Champaign-Urbana Public Health District, Champaign County United Way, and OSF Heart of Mary Medical Center to highlight the health needs and well-being of residents in Champaign County.

Development of this plan was a collaborative effort, working with community partners, regional schools of nursing, local and state government representatives, and input from county residents. More than 50 community leaders from a variety of agencies and organizations, as well as more than 380 county residents, contributed to the assessment via both in-person meetings and surveys. After assessing the current health status of the community and identified needs, the Regional Executive Committee created a comprehensive plan to improve our community's health.

## **COMMUNITY BENEFIT IMPLEMENTATION PLAN**

Based upon the Community Health Needs Assessment using both quantitative and qualitative research, Carle Foundation Hospital prioritized the significant community health needs of Champaign County considering several criteria including: alignment with the hospital's mission, existing programs, the ability to make an impact within a reasonable time frame, the financial and human resources required, and whether there would be a measurable outcome to gauge improvement. The following three health areas were selected as the top priorities:

- 1. Behavioral Health**
- 2. Healthy Behaviors and Wellness**
- 3. Violence**

Following is a description of each priority area, risk factors, indirect and direct contributing factors, goals, objectives, and strategies selected for each of the three health priority areas. Each worksheet incorporates the goals and objectives Champaign County has set for the next three years. These health plans were developed in partnership with community leaders representing multiple agencies and organizations.

This plan includes Carle Foundation Hospital's intent to address and measure outcomes from 2023-2025.

## Behavioral Health:

### Description of Priority Area:

Behavioral health issues continue to be an issue across the county. Lack of resources, funding, and stigma contribute to the issue in Champaign County. According to most recent County Health Rankings, mental health provider are at 340:1. According to the CDC, National Vital Statistics System, updated in 2022 Champaign County suicide rate was 13.2/100,000, which is higher than the state of Illinois rate of 10.9 but lower than the national rate of 13.9. Most recent data for the Drug and Opioid-Involved Overdose Death Rate for Champaign County is 23.1 deaths per 100,000. This figure is lower than the State average of 23.6 and national average of 23.5, but is still a concerning number.

### Carle Implementation Plan – Anticipated Impact & Plan to Evaluate:

Carle Foundation Hospital will pursue these initiatives to increase access to behavioral health services:

1. Explore viability of increasing primary care physicians' comfort level in prescribing psychotropic prescriptions.
2. Recruit behavioral health providers to add capacity within the community.
3. Train emergency department personnel of behavioral health symptoms to best direct care.
4. Increase access to trained mental/behavioral health professionals in home/virtual care settings in partnering with our nurse faith practitioners/Healthy Beginnings program.
5. Continue to offer Mental Health First Aid Trainings while also extending virtual opportunities to the community.
6. Implement in-home counseling services to offer ACES screening, and trauma informed care delivery approaches through Healthy Beginnings program under the Carle Community Health Initiative.
7. Partner with the Champaign County Sheriff's Office to equip officers with Narcan, or Naloxone, a drug that stops respiratory failure caused by opioids
8. Support educational and training programs of local providers.

Measures of success:

Measurement	2023	2024	2025
Increase number of Carle behavioral health providers	1	1	1
Continued Narcan support	\$3,500	\$3,500	\$3,500
Increase access to trained mental/behavioral health professionals in home/virtual care settings in partnering with Carle Healthy Beginnings program	.5 FTE	1 FTE	1 FTE

## Healthy Behaviors and Wellness

### Description of Priority Area:

Like many communities in the United States, obesity and obesity related illnesses continue to be a concern in Champaign County. Obesity is associated with poorer mental health outcomes, reduced quality of life, and the leading cause of death in the U.S. and worldwide, through contributing to heart disease, stroke, diabetes and some types of cancer. According to 2022 County Health Rankings, obesity in Champaign County is 36%, an increase of 5% in just two years. Obesity and its related health problems have a heavy economic impact throughout the United States. Obesity is linked with higher healthcare costs for adults and children through direct medical costs, along with impacting job productivity and absenteeism. Reducing obesity, increasing

activity, and improving nutrition can have a strong impact on lowering health care costs through fewer prescription drugs, sick days, ER visits, doctor's office visits and admissions to the hospital.

### **Carle Implementation Plan – Anticipated Impact & Plan to Evaluate:**

Carle Foundation Hospital will pursue these initiatives to reduce obesity levels:

1. Encourage providers to give out nutrition Rx and physical activity Rx.
2. Increase referrals and information of Carle's Mobile Health Market.
3. Continue to distribute food boxes to families in need under the Carle Community Health Initiative.
4. Provide secure and healthy food options through Congregate Meal Program and Meals on Wheels through partnership with Carle Health CRIS Healthy Aging Center.
5. Provide Wellness Works articles related to health at all Farm Bureaus on a monthly basis through Carle Health Rural Health and Farm Safety.
6. Offer education on critical farm and rural safety by providing Progressive Ag Safety Days within Champaign County through Carle Health Rural Health and Farm Safety.
7. Inform Champaign County of significant health priorities and awareness efforts through bulletin inserts in faith communities through Carle Health Faith Community Health.
8. Collaborate and support local diabetic prevention programs.
9. Increase awareness of overall health and wellness through Carle and Health Alliance health-based social media platforms.
10. Donations to community and school-based programs that encourage physical activity and nutritional education.

Measures of success:

Measurement	2023	2024	2025
Distribute healthy food boxes to families in need under CHI	2,100	2,100	2,100
Host Progressive Ag Safety Days	5	5	5
Free Educational Videos on How to Prepare Healthy Food, Making Nutritious Options	10	10	10
Funding to community agencies	\$200,000	Determine appropriate level based on budget	Determine appropriate level based on budget

## **Violence**

### **Description of Priority Area:**

Champaign County crime rate has decreased in recent years, but remains higher compared to the state of Illinois and surrounding counties. As stated by the 2022 County Health Rankings the violent crime rate (the number of reported violent crime offenses per 100,000 populations) is 487 which is still remains higher than the state of Illinois rate of 403. 2022 data from the CDC provides average death rate due to Homicide is 5/100,000, lower than both Illinois and national averages.

From the Illinois State Police Crime Reports, between 2018-2020, Champaign County has seen an increase in criminal homicides from 10 to 12, an increase in aggravated assault/battery from 621 to 817, an increase in motor-vehicle thefts from 158 to 314 and an increase in arson from 22 to 30. At the same time, there has been a decrease in forcible rapes from 164 to 133, robbery from 158 to 145, burglary from 743 to 583 and theft from 3,545 to 2,393.

As part of the 2022 Community Health Needs Assessment Survey, community members were asked to assess factors impacting well-being. Based on survey results, survey respondents ranked less violence (14%) as the second most important community concern. Similarly, safer neighborhoods (13%) was ranked the third most important community concern impacting well-being.

#### **Carle Implementation Plan – Anticipated Impact & Plan to Evaluate:**

Carle Foundation Hospital will pursue these initiatives to reduce the levels of violence:

1. Sexual Assault Nurse Examiners (SANE) / Interpersonal Violence Program.
2. Child Abuse Safety Team (CAST).
3. Risk Watch.
4. Partner with the City of Champaign and community groups in the *Champaign Blueprint to Reduce Gun Violence* through community involvement and intervention.
5. Continue to work towards having a 24/7 social worker staffed in the ED to respond when we have victims of gun violence brought in, but also to help with many other things (including mental health crises, other victims of violence, etc.).
6. Ensure safety protocols on hospital campus provide safest environment possible for all patients, visitors, and staff
7. Increase access to care in the home with Carle's Healthy Beginning's Services, to reduce levels of child abuse and domestic violence.

Measures of success:

Measurement	2023	2024	2025
# SANE encounters (descriptive measure)	150	n/a	n/a
# CAST encounters (descriptive measure)	60	n/a	n/a

## **Access to Care:**

Access to Care has been a significant health need prioritized in a prior CHNA. While it was not selected as a priority for the 2022 CHNA conducted in conjunction with community partners, access will continue to be a priority for Carle.

As a tax-exempt organization, Carle Foundation Hospital provides care to patients regardless of their ability to pay for that care or source of payment. We also recognize that some patients need help paying their bills. Carle's Financial Assistance Program provides discounts or free care to those who need it. Carle's generous Financial Assistance Program, consistently and diligently applied, has resulted in our ability to reach many people over the years. During 2019, financial assistance for Hospital patients alone totaled \$15,188,120 at cost, serving 18,476 unique individuals.

In addition to charity care, Carle supports a wide range of programs and services to increase community capacity, health care work force expansion, and social services that provide complementary healthcare-related services.

Carle Foundation Hospital has, and will continue to, pursue these initiatives to improve access to care:

1. Offer a charity care program and communicate the availability of that program.
2. Recruit more providers into the Carle system, thereby expanding access/capacity.
3. Support local community clinics to ensure added local capacity for health care.
4. Support United Way and other area agencies to improve availability of health services.
5. Donate to existing community health programs.
6. Support students in health care fields; GME programs to grow number of future physicians.
7. Promote prescription affordability as a 340B provider.
8. Enhance access-related initiatives that will improve patient access and ability to interface more efficiently for needed services – Patient Contact Center, Scheduling Center, Prescription Refill request process, virtual visits and more.
9. Continue access to care through subsidized services, including the Community Parish Nurse Program, Breastfeeding Clinic and others.

## APPENDIX

### **Populations and Communities Served:**

Carle's service area is generally defined as east central Illinois, including all or parts of more than 30 counties in east central Illinois and western Indiana.

For the Community Benefit Implementation plan, research and remedies are directed towards community health issues identified in our primary service area, with the focus on Champaign County. This represents our headquarters and other counties where Carle has a thriving presence. The Carle Health system's service area population is made of individuals living in 33 counties throughout Illinois and Indiana in the Carle Health service areas, Hoopeston and Richland service areas. Includes Bloomington-Normal, Champaign-Urbana, Charleston, Danville, Effingham, Mattoon, Pontiac, Rantoul and Southern Rim hubs.

Pockets of extreme poverty exist throughout this region. The programs within our community benefit plan generally have impact upon all the targeted communities, with certain programs directed at specific populations.

Carle Foundation Hospital serves as the region's only Level I Trauma Center and Level III Neonatal Intensive Care Unit. As provider of the region's perinatal services, Carle provides care to patients who live throughout the geographic area extending from Kankakee in the north to the southern-most tip of Illinois, and spanning from as far west as Eureka and east into western Indiana. For the purposes of the Carle Financial Assistance Program, coverage encompasses the entire Carle service area.

### **Dates Adopted/Approved:**

Carle Foundation Hospital's 2022 Community Health Needs Assessment was adopted and approved by The Carle Foundation Board of Trustees on 12/9/2022. The 2023-2025 Community Benefit Implementation Plan was adopted and approved by the Board of Trustees on 12/9/2022.

## **Carle Foundation Hospital Community Health Needs Assessment/IP Summary, Additional Narrative**

### **PRIORITY #1: Healthy Behaviors and Wellness:**

Like many communities in the United States, obesity and obesity related illnesses continue to be a concern in Champaign County. Obesity is associated with poorer mental health outcomes, reduced quality of life, and the leading cause of death in the U.S. and worldwide, through contributing to heart disease, stroke, diabetes and some types of cancer. According to 2023 County Health Rankings, obesity in Champaign County is 32%, an increase of 5% in just two years. Obesity and its related health problems have a heavy economic impact throughout the United States. Obesity is linked with higher healthcare costs for adults and children through direct medical costs, along with impacting job productivity and absenteeism. Reducing obesity, increasing activity, and improving nutrition can have a strong impact on lowering health care costs through fewer prescription drugs, sick days, ER visits, doctor's office visits and admissions to the hospital.

#### **Evaluation of Prior Impact:**

Healthy Behaviors/Wellness/Obesity has been a priority health issue in the current and previous Community Health Needs Assessments. Carle continues to support activities aimed at improving the health of the community and addressing obesity.

- **Healthy Food Boxes:** Carle, through our Community Health Initiatives Program, contributed over 1,417 healthy food boxes to families in need in 2023 alone, ensuring those most at need had access to healthy and nutritional options.
- **Mobile Market:** Carle Foundation Hospital continued operation of its Mobile Market in 2023 and 2024, a retrofitted bus serving as a mobile food pantry offering locally grown produce and goods.

### **PRIORITY #2: BEHAVIORAL HEALTH**

Behavioral health issues continue to be an issue across the county. Lack of resources, funding, and stigma contribute to the issue in Champaign County. According to most recent County Health Rankings, mental health provider are at 290:1. According to the CDC, National Vital Statistics System, updated in 2023 Champaign County suicide rate was 13.2/100,000, which is higher than the state of Illinois rate of 10.9 but lower than the national rate of 13.9. Most recent data for the Drug and Opioid-Involved Overdose Death Rate for Champaign County is 23.1 deaths per 100,000. This figure is lower than the State average of 23.6 and national average of 23.5, but is still a concerning number.

#### **Evaluation of Prior Impact:**

Behavioral Health has been a priority health issue in the current and previous Community Health Needs Assessments. Carle continues to support activities aimed at improving access to behavioral health care services.

- **Mental Health First Aid:** In 2024, Carle facilitated a train the trainer program for Carle and regional partner employees to teach Mental Health First Aid training. Carle staff provided more than 73 hours in providing Mental Health First Aid Classes in 2024. We had the opportunity to train healthcare professionals, farmers, employers, clergy members, first responders and many other community members.
- **Psychiatry Residency:** Psychiatric residents treat patients under supervision from attending psychiatrists and medical school faculty at three partnering hospitals – Carle, OSF, and VA in Danville. Training includes the areas of inpatient and outpatient psychiatry, addictions, geriatrics, child, forensics, emergency, and integrated behavioral health care. This training program will graduate psychiatrists who will be more likely to settle and practice in the area, which has historically been difficult to recruit to. We added four additional residents in 2024, with the expectation of four new residents joining the program each year. In 202, Carle hired two residents out of this program, with another going to fellowship.

### **PRIORITY #3: VIOLENCE**

Champaign County crime rate has decreased in recent years, but remains higher compared to the state of Illinois and surrounding counties. As stated by the 2023 County Health Rankings the violent crime rate (the number of reported violent crime offenses per 100,000 populations) is 487 which is still remains higher than the state of Illinois rate of 403. 2023 data from the CDC provides average death rate due to Homicide is 5/100,000, lower than both Illinois and national averages.

From the Illinois State Police Crime Reports, between 2018-2020, Champaign County has seen an increase in criminal homicides from 10 to 12, an increase in aggravated assault/battery from 621 to 817, an increase in motor-vehicle thefts from 158 to 314 and an increase in arson from 22 to 30. At the same time, there has been a decrease in forcible rapes from 164 to 133, robbery from 158 to 145, burglary from 743 to 583 and theft from 3,545 to 2,393.

As part of the 2022 Community Health Needs Assessment Survey, community members were asked to assess factors impacting well-being. Based on survey results, survey respondents ranked less violence (14%) as the second most important community concern. Similarly, safer neighborhoods (13%) was ranked the third most important community concern impacting well-being.

#### **Evaluation of Prior Impact:**

Violence has been a priority health issue in the current and previous Community Health Needs Assessments. Carle continues to support activities aimed at reducing levels of violence in the community.

**SANE/Interpersonal Violence:** This program focuses on reducing interpersonal violence through community education and the development and training of a staff of Sexual Assault Nurse Examiners (SANEs) who treat sexual assault and abuse survivors. Carle has 25 nurses total working with sexual assault patients; 2 who are internationally board certified, 23 who are state certified, and 2 who are in training, who assisted with 250 total sexual assault exams, including 89 pediatric sexual assault exams this year. Carle is known as a resource and leader throughout the local community and the state in treating victims of assault. Notable 2024 accomplishments include but are not limited to:

- Provided clinical and classroom education to rape advocates, University of Illinois and Parkland College nursing students, and Parkland College paramedic students (100 hours)
- Participated in community multidisciplinary teams in 3 counties to follow up on pediatric abuse cases (96 hours)
- Organizing and leading the Champaign County Sexual Assault Response Team committee (50 hours)
- Organized and hosted a two-day seminar on sexual assault patient care in March 2024 (100 hours)
- Planned and prepared to host a two-day seminar on sexual assault patient care to be held in March 2025 (50 hours)
- Provided SANE training to all ED clinical staff that meets state mandates (200 hours)

**Child Abuse Safety Team (CAST):** The Child Abuse Safety Team (CAST) is a program dedicated to the safety of child abuse victims, led by a pediatric hospitalist. This physician expert is on call 24/7 to identify suspected abuse, ensure proper investigation and testing, and communicate with state and local agencies.

In 2024, the CAST program served 258 children. Since each patient has a unique set of circumstances, some cases may only require a 10-minute phone call, while others require hours of courtroom work and preparation. Overall, this program amounted to more than \$100,000 in community benefit. To date, this initiative led by one physician champion has helped 1,301 children since launching in 2012.

### **Efforts Undertaken to Address Health Equity, Reduce Health Disparities, and Improve Community Health:**



Carle Health has established a Diversity, Equity, and Inclusion Steering Committee, which plays a material role in making decisions for the health system, as well as a Health Equity Clinical Guidance committee, which is accountable for examining and addressing health disparities in the Carle Health patient population.

In 2024, Carle Health had several system wide Diversity, Equity and Inclusion (DEI) related accomplishments:

- Hosted 12 Health Equity Grand Round sessions, with a total of 1,904 participants. Sessions were available to community members for continuing education credits.
- Delivered 15 weeks of anti-racism education to nurse leaders. The education was supported by a \$20,000 grant from the American Nurses Association.
- Delivered 65 live DEI education sessions to Carle Health teams on topics like cultural humility, LGBTQ+ inclusive education, racism in healthcare and bias time out.
- Over 2,800 nurses completed education on caring for diverse hair types and textures.
- Carle Health leadership participated in over 4,000 hours of education through inclusive leadership forums
- Carle Health employees participated in 12 multicultural DEI forums for a total of 430 learning hours.



<b>Title</b>	FIN - Carle Financial Assistance Program				
<b>Region</b>	Carle Health Central - BroMenn, Carle Health Central - Eureka, Carle Health East, Carle Health South, Carle Health West - Methodist, Carle Health West - Pekin, Carle Health West - Proctor				
<b>Scope</b>	All Entities				
<b>Document type</b>	Policy & Procedure				
<b>Owner</b>	Jodi Eeten (Mgr - Fin Svc Self Pay Rec)				
<b>Reviewer(s)</b>	Christi Kosheba (Dir - Finance Carle West), Katherine Gaffney (Spvr - Self-Pay Recs Mgmt - Fin Asst - CFH)				
<b>Approver(s)</b>	APM Administrators, Dennis Hesck (Exec VP & Chief Finance and Strategy Officer)				
<b>Effective Date</b>	04/01/2010	<b>Next Review Date:</b>	12/21/2024	<b>Approval Date</b>	12/21/2021

## ATTACHMENTS

A - [FIN - CFAP Area Homeless Shelters](#)

## PURPOSE/ SCOPE

- A. To identify and assist those patients who are uninsured or underinsured and who are financially eligible to receive discounts for specified medical expenses through the Carle Financial Assistance Program. Carle will consider each patient's ability to contribute to the cost of his or her care received and the financial ability of Carle to provide discounts for the care provided.
- B. All care rendered by an eligible Carle entity, except for services noted in policy FIN – CFAP Area Homeless Shelters, may be considered through the Carle Financial Assistance Program. Eligible entities are identified above.

## DEFINITIONS

- A. **Family/Household Size** - includes those dependents listed on tax returns, divorce decree, or child support order. Defined by the IRS for tax filing purposes under section 36B (d) (1), "a taxpayer's family consists of the individuals for whom the taxpayer claims a personal exemption deduction under section 151 for the taxable year. Taxpayers may claim a personal exemption deduction for themselves, a spouse, and each of their dependents. Section 152 provides that a taxpayer's dependent may be a qualifying child or qualifying relative, including an unrelated individual who lives with the taxpayer. Family size is equal to the number of individuals in the taxpayer's family."
- B. **Resident** – a person who lives in the state of Illinois and who intends to remain living within Illinois indefinitely. Relocation for the sole purpose of receiving health care benefits does not satisfy the residency requirement.
- C. **Underinsured** - a person without insurance benefits for services provided due to exclusions of coverage by the insurance provider. This does not apply to those circumventing insurance restriction or specification or out-of-network services.
- D. **Generally accepted standards of medical practice:**
  1. Standards that are based on credible scientific evidence published in peer-reviewed, medical literature generally recognized by the relevant medical community;
  2. Physician Specialty Society recommendations;
  3. The views of physicians practicing in the relevant clinical area; and
  4. Any other relevant factors.
- E. **Uninsured patient** - a person who is a patient and is not covered under a policy of health insurance and is not a beneficiary under a public or private health insurance, health benefit, or other health coverage program, including high deductible health insurance plans, workers compensation, accident liability insurance or other third party liability.
- F. **Experian Information Solutions, Inc. (Experian)** – is a third party vendor that uses proprietary data analytics to provide unique information related to patients for the purpose of financial assistance and recovery of patient debt.

## STATEMENT OF POLICY

- A. Any patient or responsible party may apply for the Carle Financial Assistance Program, regardless of insurance coverage. Patients may apply for the Carle Financial Assistance Program at any time, including before care is received. If approved, the patient is eligible for 12 months from the date of approval.
- B. Certain identified patient populations are presumptively eligible for the Carle Financial Assistance Program. Further detailed information is contained within the [FIN - Presumptive Eligibility for Financial Assistance](#).
- C. Carle desires that:

1. All patients, regardless of their immigration status or residency, be aware of the Carle Financial Assistance Program and all other financial assistance available at Carle;
  2. For those patients who are eligible to be identified as early in the care, treatment and billing process as possible; and
  3. That the process is as simple as possible for the patient.
- D. An application for government assistance must be completed if the patient appears to meet the eligibility criteria for such assistance. When appropriate, Carle staff or designee will use a screening checklist to assist in determining if the patient would qualify for government assistance.
1. Failure by a patient or responsible party to complete the government program application process and/or failure to cooperate during the application process will result in an automatic denial of financial assistance.
  2. If the patient applies for government assistance, documentation of the determination from the government program is required for reprocessing of the Carle Financial Assistance Program application.
  3. Patients who have a third party payment source that will reimburse more than the government program reimbursement will be excluded from the requirement of applying for government assistance.
- E. Patients who may be eligible for certain third party assistance programs must cooperate with program requirements to maintain eligibility within the Carle Financial Assistance Program.
- F. Patients covered by Medicare Part A or Part B must complete a Carle Financial Assistance application which includes a request that the patient provide a federal tax return and a defined list of assets. This asset list shall include the patient's bank account balances such as checking and savings, money market accounts and certificates of deposit.
- G. The Carle Financial Assistance Program discount amount is dependent on the applicant's household income and family size compared to the currently published Federal Poverty Level guidelines at the time of application.
- \*Exception:** patients covered by Medicare Part A or Part B must also follow the process as outlined in section F above.

CFAP Program Guidelines	Federal Poverty Level			
	≤ 200%	201 - 300%	≤ 400%	≤ 600%
<b>Carle Financial Assistance Program</b>	100% Discount	50% Discount	Yearly expenses capped at 40% of gross annual income.	N/A
<b>Illinois Uninsured Hospital Patient Discount Program</b>	Limits patient's Carle medical expenses to 20% of the household's gross annual income. See policy <a href="#">FIN - IL Hospital Uninsured Patient Discount Program</a> for additional information.			

1. Consideration for the Carle Financial Assistance Program may occur through the following methods:
  - a. Presumptively through Financial Assistance Screening:
    - Carle will use Experian to identify those patients who may be presumptively eligible for Carle Financial Assistance Program at the 100% discount level.
  - b. Completing a financial assistance application and returning with required documentation. If a patient has questions regarding the application process, they can visit [Carle.org/FinancialAssistance](http://Carle.org/FinancialAssistance) or contact Carle at (888) 71-CARLE or (217) 902-5675.
    - Applications are to be fully completed, signed, and returned with required documentation to:  
Carle Financial Assistance Program  
PO Box 4024  
Champaign, IL 61824-4012
    - **Resident** – Except for emergent situations outlined below, the Carle Financial Services Program is intended for Illinois residents only.
      - Residency verification documentation - if needed:
        - \* Any document within the income verification listing with a preprinted address
        - \* Valid state-issued identification card
        - \* Recent (last 60 days) residential utility bill
        - \* Valid lease agreement
        - \* Current vehicle registration card
        - \* Voter registration card
        - \* Mail addressed to patient at an IL address from a government office
        - \* Award letter from school
        - \* Statement from a family member that the patient resides at the same address with one of the above residency verifications.

- Income eligibility will be based on the most current published Federal Poverty Guidelines.
  - Prior year's Federal Tax Return showing all household members and their adjusted gross income.
  - If the guarantor/patient did not file taxes, proof of prior year's income may consist of:
    - \* W2 from all jobs held
    - \* Self-employment income and expenses
    - \* Unemployment compensation
    - \* 1099 forms for the following types of income:
      1. Social Security
      2. Social Security Disability
      3. Veteran's pension
      4. Veteran's disability
      5. Private disability
      6. Worker's compensation
      7. Retirement Income
    - \* Child support, alimony or other spousal support
    - \* Other miscellaneous income sources.
  - If none of the above documents can be supplied, a written statement describing current household size and financial situation.
- 2. Patients who receive a determination of either an approval or denial under the Carle Financial Assistance Program may reapply after six (6) months from the date of original application signature in the event there are substantial or unforeseen material changes in their financial situation. In the case of extraordinary circumstances, an application may be submitted prior to the six (6) month limitation.
- 3. Applicants may appeal the application determination by sending a written appeal to the Manager Self Pay Receivables Management. Further appeals may be directed to the Director Patient Financial Services, may be escalated to either the Vice President of Revenue Cycle Operations, the SVP, Chief Revenue Cycle Officer or the Chief Financial Officer and ultimately to the Community Care Review Committee..
- 4. Translated copies of all Carle Financial Assistance Program materials are available in Spanish at [Carle.org/FinancialAssistance](https://Carle.org/FinancialAssistance) or by request to Carle representatives at [FinancialAssistance@Carle.com](mailto:FinancialAssistance@Carle.com) or by phone at (888) 71-CARLE.
- H. The Carle Financial Assistance Program discount will apply to the residual patient balances after all other payments from sources such as Medicare, insurance companies, third party legal settlements, and/or patient funds are received and posted.
  1. Patients who purposefully circumvent insurance requirements (i.e. waiting periods, preauthorization, etc.) may be held responsible for the billable services and not receive any discounts on services.
  2. Patients, who knowingly provide untrue information on the application for financial assistance, will be ineligible for financial assistance. Any financial assistance granted will be reversed, and the patient will be held responsible for the billable services.
  3. Non-emergent, out-of-network care including out-of-state Medicaid that would be paid by the patient's insurance company elsewhere will not be eligible for the Carle Financial Assistance Program because the patients have the opportunity to have their healthcare needs met at a participating provider.
  4. Emergent out-of-network care for those who qualify will be eligible under the Carle Financial Assistance Program policy guidelines after all other payment sources have been exhausted.
  5. Emergent out-of-state Medicaid patients are not required to complete the Carle Financial Assistance Program application process. They will be approved for a one time discount as eligible under the Carle Financial Assistance Program after proof of coverage is provided and all other payment sources have been exhausted.
- I. Discount will apply to any patient responsible balance retroactively, including those that have been referred to a collection agency if court costs have not yet been incurred. However, an application for government assistance may be requested as stated in C1.
  1. Carle will not file collection suit liens on a primary residence.
  2. Carle will not authorize body attachments for purposes of medical debt collection.
- J. Carle will utilize the Centers for Medicare and Medicaid Services coverage guidelines when determining services that qualify for the Carle Financial Assistance Program.
  1. Coverage will apply to health care services that a physician, exercising prudent clinical judgment, would provide to a patient for the purpose of evaluating, diagnosing or treating an illness, injury, disease or its symptoms;
  2. In accordance with the generally accepted standards of medical practice;
  3. Clinically appropriate, in terms of type, frequency, extent, site and duration, and considered effective for the patient's illness, injury or disease; and

4. Not primarily for the convenience of the patient, family or physician and not more costly than an alternative service or sequence of services at least as likely to produce equivalent therapeutic or diagnostic results as to the diagnosis or treatment of that patient's illness, injury or disease.
- K. Carle Financial Assistance Program will not cover cosmetic, elective or non-medical retail services.
- L. Amounts Generally Billed (AGB) to Carle Financial Assistance Program participants will be determined by Medicare fee-for-service together with all private health insurers, during a prior 12-month period.
  1. AGB determined through calculations of sum of all payments plus the sum of all bad debt and charity care adjustments divided by the sum of all charges in the time frame.
  2. Time frame included in method is for October 1 through September 30 of the prior calendar year.
- M. Patients who have been approved for the Carle Financial Assistance Program may re-apply annually from the date of original application approval. Carle Foundation will attempt to notify patients by mail 90 days before the current termination date of eligibility in the Carle Financial Assistance Program.

## PROCEDURE

- A. Patients with financial concerns should be identified by Carle personnel as soon as possible in the registration, care, treatment or billing process.
  1. A referral to Social Services, other pertinent staff or directly to a government program should be completed in order to obtain a determination of eligibility for Public Assistance.
    - a. Patients who fail to cooperate with the government program during the application process will automatically be denied for the Carle Financial Assistance Program.
    - b. If the patient does not meet the eligibility criteria for a government program or if they have a spend-down, they may be eligible for a Carle Financial Assistance Program discount.
  2. Patients are encouraged to apply for the Carle Financial Assistance Program within 90 days after discharge or provision of service. The application for the Carle Financial Assistance Program will be available on the Carle website [Carle.org/FinancialAssistance](http://Carle.org/FinancialAssistance), in all registration areas, the Patient Financial Services offices, Cashier areas and Social Services.
  3. Upon receipt of the Carle Financial Assistance Program application by Self Pay Receivables Management staff, EPIC Prelude and Resolute systems will be noted:
    - a. All collection activity will be held until the application processing is completed.
    - b. Application and supporting documentation will be scanned into OnBase and the paper copies destroyed.
    - c. Applicant will be notified of any missing documentation.
    - d. If the missing documentation is not returned within 30 days, a notification letter will be mailed to the applicant that indicates billing will commence.
  4. The completed application should include:
    - a. A fully filled in application with verification of the number of family/household members;
    - b. Signature of the applicant; and
    - c. Prior year's tax return or other income verification for all wage earners in the family/household.
      - Parents' income will be used to determine financial eligibility for students who are over age 18 but still claimed as dependents for their parents' income tax purposes.
- B. When the application has been processed and the determination is made, a record of each application and associated documentation will be maintained by fiscal year.
  1. Applications received prior to April 23, 2013 are maintained in paper form and warehoused.
  2. Applications received on or after April 23, 2013 are maintained electronically within OnBase.
- C. All efforts will be made to send written determination to the applicant within 30 working days of receipt of the completed application. If the application is approved, the patient's account will be adjusted as soon as possible thereafter to reflect the discount.
- D. Patients who qualify for a partial discount of the balance will be required to pay the remainder due, as with other private pay accounts. Balances billed to a Carle Financial Assistance Program participant will not exceed amounts generally billed to other patients. See the [FIN - Payment Policy](#) and [FIN - Self-Pay Billing and Collection Policy](#).
- E. When Carle Foundation receives an application for the Financial Assistance Program that indicates treatment at any applicable Carle Foundation facility, the application, verification and determination will be applied to all other applicable Carle businesses.
- F. Information related to the Carle Financial Assistance Program will be regularly reported to the Director Patient Financial Services and the Senior Vice President Revenue Cycle Operations including:
  1. Adjustments
  2. Number of paper applications received
  3. Approvals
  4. Denials
  5. Backlogs
  6. Quality assurance measures

## OTHER RELATED LINKS AS APPLICABLE TO SITE

[FIN - Carle Regional Financial Assistance Program](#)

[Plain Language Summary - X0873](#)

[Non-Participating Provider List - X0271](#)

#### REFERENCES

- 210 ILCS 88/27 – Fair Patient Billing Act (Illinois Public Act 96-965)
- 210 ILCS 89 – Hospital Uninsured Patient Discount Act
- [79 FR 78953 - Federal Register, Department of the Treasury \(IRS 501r Rules and Regulations\)](#)

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## Carle Financial Assistance Program Area Homeless Shelters/Transitional Housing

**Courage Connection:** Houses women and children (males up to age 17 with their mothers) fleeing domestic abuse and sexual assault.

Mailing Address: 1304 E. Main

Urbana, IL 61802

Phone Number: (217) 384-4462, domestic violence business office

Fax Number: (217) 384-4383

Service Area: Champaign, Piatt, Ford and Douglas counties

**City of Urbana-Transitional Housing Program for Homeless Families:** Provides housing and support services to selected homeless families with dependent children who have been residents of Champaign County for at least three months.

Mailing Address: 400 S. Vine St.

Urbana, IL 61801

Phone Number: (217) 328-8263

Fax Number: (217) 384-2367

Service Area: Champaign County

**Danville Rescue Mission:** Emergency and transitional shelter for single men.

Mailing Address: 834 N. Bowman Avenue

Danville, IL 61832

Phone Number: (217) 446-7223

**Dayspring Women & Children's Shelter:** Homeless Women & Children's Shelter- small shelter.

Mailing Address: 213 Bowmen Ave.

Danville, IL 61832

Phone Number: (217) 274-7424

**Jesus is the Way Prison Ministries, Inc.:** Provides follow-up assistance to just-released male inmates with employment, housing, food and spiritual needs.

Mailing Address: 602 S. Liberty Ave.

Rantoul, IL 61866

Phone Number: (217) 892-4044

Fax Number: (217) 892-5995

**Mattoon Public Action to Deliver Shelter (PADS):** Homeless shelter and food bank in Mattoon.

Mailing Address: 2017 Broadway Ave.

Mattoon, IL 61938

Phone Number: (217) 234-7237

**Restoration Urban Ministries:** Offers transitional housing, food pantry, clothing, substance abuse classes, and many other programs to assist teens, men and women.

Physical Address: 1213 Parkland Court

Champaign, IL 61820

Mailing Address: PO Box 3277

Champaign, IL 61826-3277

Phone Number: (217) 355-2662

**Safe Housing:** Temporary shelter for victims of domestic violence and sexual assault - UIUC Students Only

Mailing Address: Safe Housing

Family and Graduate Housing

1841 Orchard Place

Urbana, IL 61801

Phone Number: (217) 33-1216 (UIUC PD) Intake



**Salvation Army Stepping Stone Program:** Provides temporary and transitional housing for homeless men (18 and older) on a nightly basis. Men, Women & Families who comment to working the program. Can only house 2 families/individuals at a time.

Mailing Address: 2212 N. Market  
Champaign, IL 61822  
Phone Number: (217) 373-7830  
Fax Number: (217) 373-8441

**CU at Home:** Phoenix Day Drop-In Center (Tuesday – Friday 12p-5pm); Austin's Place- Sober Women's Shelter (must due intake during day hours) (Tuesday – Friday 12p-4pm); Men's Sober Shelter is open every night 8:30pm-7:30am (must due intake during day hours) (Tuesday – Friday 12p-4pm)

Mailing Address: 70 E. Washington  
Champaign, IL 61820  
Phone Number: (217) 819-4569  
Emergency Number: (217) 888-0329

**Crosspoint at the Y—Residential Program:** Dormitory style housing for 23 homeless, self-sufficient women (18 and older); Domestic Violence Shelter & Transitional housing

Mailing Address: 201 N. Hazel Street  
Danville, IL 61832  
Phone Number: (217) 709-0331  
Fax Number: (217) 443-6845

## Bloomington Area Homeless Shelters/Transitional Housing

**Home Sweet Home Ministries:** Provides case management and other supportive services to the homeless such as shelter, hot meals, access to clothing and toiletries, and job training. Our goal is to help people find independence, restore their hope and share the love of Jesus Christ with them.

**Phone:** 309-828-7356 **Address:** 303 E. Oakland Avenue, Bloomington, IL 61701

**Website:** [Home Sweet Home Ministries - Humbly Serving Bloomington-Normal \(hshministries.org\)](http://HomeSweetHomeMinistries.org)

**Neville House Shelter:** Residents staying at Neville House work closely with a trained domestic violence advocate that will assist in finding resources for housing, childcare, employment, legal representation, transportation, and enhancement of life skills. Twenty-four hour emotional and educational support is available to assist individuals and families response to crisis and increase self-sufficiency.

**Phone:** 309-827-7070

**Address:** 1301 West Washington Street, Bloomington, IL 61701

**Website:** [Neville House Shelter - Domestic Violence Crisis Assistance \(mccainc.org\)](http://NevilleHouseShelter.org)

**Salvation Army Safe Harbor Shelter:** Services offered include emergency shelter, transitional housing, casework services, and food & nutritional programs.

**Phone:** 309-829-7399

**Address:** 601 West Washington Street, Bloomington, IL 61701

**Website:** [Bloomington \(salvationarmy.org\)](http://Bloomington.salvationarmy.org)

**Project Oz:** Homeless youth between the ages of 17-23. Offer survival aid, help finding and keeping a job, safety planning, GED enrollment, legal aid, medication connections, emotional support, and we'll work to connect you to housing.

**Phone:** 309-827-0377; there is a 24-hour crisis worker who can talk to you about emergency housing by calling 2-1-1 anytime of night or day.

**Address:** 1105 W Front St., Bloomington, IL 61701

**Website:** [Housing and Homeless Resources | Project Oz](http://HousingandHomelessResources.org)

**Oxford House Bloomington:** Males only. A concept in recovery from drug and alcohol addiction. In its simplest form, an Oxford House describes a democratically run, self-supporting and drug free home. Fill out application and set up interview.

**Phone:** 309-829-5014

**Address:** 501 McLean, Bloomington, IL 61701

**Website:** [Oxford House](http://OxfordHouse.org)

**Oxford House West Bloomington:** Women only. A concept in recovery from drug and alcohol addiction. In its simplest form, an Oxford House describes a democratically run, self-supporting and drug free home. Fill out application and set up interview.



**Phone:** 309-808-1632

**Address:** 704 W Scott Street, Bloomington, IL 61701

**Website:** [Oxford House](#)

**YWCA Labyrinth House:** A transitional living program for formerly incarcerated McLean County women. Residents live in a shared two-bedroom furnished apartment and receive on-site support from residential counselors each evening. Residents have access to economic/employment resources and a counselor/case manager. Residents are able to increase their privilege level over time and can remain for up to two years.

**Phone:** 309-662-0461

**Address:** 1201 North Hershey Road, Bloomington, IL 61704

**Website:** <https://ywcamclean.org/what-we-do/prevention-and-empowerment-services/labyrinth/>

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<b>Title</b>	FIN - Presumptive Eligibility for Financial Assistance				
<b>Region</b>	Carle Health Central - BroMenn, Carle Health Central - Eureka, Carle Health East, Carle Health South, Carle Health West - Methodist, Carle Health West - Pekin, Carle Health West - Proctor				
<b>Scope</b>	All Entities				
<b>Document type</b>	Policy & Procedure				
<b>Owner</b>	Jodi Eeten (Mgr - Fin Svc Self Pay Rec)				
<b>Reviewer(s)</b>	Christi Kosheba (Dir - Finance Carle West), Dawn Walden (Sr VP & Chief Revenue Cycle Officer), Steven Smith (Dir - Financial Services)				
<b>Approver(s)</b>	APM Administrators, Dennis Hesch (Exec VP & Chief Finance and Strategy Officer)				
<b>Effective Date</b>	02/27/2014	<b>Next Review Date:</b>	08/02/2026	<b>Approval Date</b>	08/02/2023

#### ATTACHMENTS N/A

#### PURPOSE/ SCOPE

- A. To identify and assist those patients where financial need has been determined by other means outside of the Carle Financial Assistance application.
- B. Certain identified patient populations are presumptively eligible for the Carle Financial Assistance Program or Carle Regional Financial Assistance Program.
  1. Experian Financial Assistance Screening - Probable
  2. Homelessness
  3. Deceased with no estate
  4. Mental incapacitation with no one to act on patient's behalf
  5. Illinois Medicaid eligibility
    - a. Title XIX
    - b. Title XXI
    - c. In-network Medicaid Managed Care plans
  6. WIC (Women, Infants and Children Nutrition Program)
  7. SNAP (Supplemental Nutrition Assistance Program)
  8. LIHEAP (Low Income Home Energy Assistance Program)
  9. Illinois Free Lunch and Breakfast Program
  10. Frances Nelson Health Center discount referral
  11. Community Health Care Clinic Referral
  12. Receipt of grant assistance for medical services

#### DEFINITIONS

- A. **Family/Household Size** - includes those dependents listed on tax returns, divorce decree or child support order. Defined by the IRS for tax filing purposes under section 36B (d) (1), "a taxpayer's family consists of the individuals for whom the taxpayer claims a personal exemption deduction under section 151 for the taxable year. Taxpayers may claim a personal exemption deduction for themselves, a spouse, and each of their dependents. Section 152 provides that a taxpayer's dependent may be a qualifying child or qualifying relative, including an unrelated individual who lives with the taxpayer. Family size is equal to the number of individuals in the taxpayer's family."
- B. **Resident** – a person who lives in the state of Illinois and who intends to remain living within Illinois indefinitely. Relocation for the sole purpose of receiving health care benefits does not satisfy the residency requirement.
- C. **Experian Information Solutions, Inc. (Experian)** – is a third party vendor that uses proprietary data analytics to provide unique information related to patients for the purpose of financial assistance and recovery of patient debt.

#### STATEMENT OF POLICY

- A. The Carle Foundation Hospital and other participating Carle entities (a.k.a. Carle) desire that all patients be aware of the various forms of assistance available.
- B. Carle will strive that those eligible for assistance be identified as early in the care and billing process as possible, and that the process be as simple as possible for the patient.

#### PROCEDURE

- A. Patients who appear to need financial assistance should be identified by Carle personnel as soon as possible in the registration, care, treatment or billing process.

- B. The following will serve as documentation of inclusion for certain presumptively eligible patients. This documentation is to be submitted to Self Pay Receivables Management for administration and management of the various discount programs at Carle.
1. Experian Financial Assistance Screening
    - a. Result of Probable with a low likelihood of payment
    - b. Documentation within the Experian web portal and/or Epic Prelude
  2. Homelessness
    - a. Medical documentation of homeless status
    - b. Letter from local area shelter
  3. Deceased with no estate
    - a. Death certificate
    - b. Deceased Patient Application Form
  4. Mental incapacitation with no one to act on patient's behalf
    - a. Verification by Carle Social Worker or other qualified medical staff
    - b. Court documentation
  5. Illinois Medicaid eligibility
    - a. HFS.com online verification.
  6. WIC (Women, Infants and Children Nutrition Program)
    - a. Indication of participation on Carle Financial Assistance Program application
    - b. Copy of current participation document
    - c. Letter from WIC office
  7. SNAP (Supplemental Nutrition Assistance Program)
    - a. Indication of participation on Carle Financial Assistance Program application
    - b. Copy of award letter
  8. LIHEAP (Low Income Home Energy Assistance Program)
    - a. Indication of participation on Carle Financial Assistance Program application
    - b. Copy of award letter
  9. Illinois Free Lunch and Breakfast Program
    - a. Indication of participation on Carle Financial Assistance Program application
    - b. Copy of award letter
      - Current exclusion: School districts that are approved to provide the IL Free Lunch and Breakfast Program to all school members are excluded from presumptive qualification. Listing published by State of Illinois Board of Education.
  10. Frances Nelson Health Center discount referral
    - a. Discount referral form to Carle from Frances Nelson
  11. Community Health Care Clinic Referral
    - a. Discount referral form to Carle from Community Health Care Clinic
  12. Receipt of grant assistance for medical services
    - a. Copy of award letter

#### **OTHER RELATED LINKS AS APPLICABLE TO SITE**

**- ALL policies and links in process of being updated to include BRAVO entities.**

[FIN - Carle Financial Assistance Program](#)

[FIN - Carle Regional Financial Assistance Program](#)

[FIN - IL Hospital Uninsured Patient Discount Program](#)

[FIN - Self-Pay Billing and Collection Policy](#)

#### **REFERENCES**

- 210 ILCS 88/27 – Fair Patient Billing Act
- 210 ILCS 89 – Hospital Uninsured Patient Discount Act
- [79 FR 78953 - Federal Register, Department of the Treasury \(IRS 501r Rules and Regulations\)](#)

## **Attachment 4: Community Benefits Supplemental Information**

### **LANGUAGE ASSISTANCE SERVICES:**

A robust language assistance program is provided for patients who have limited English proficiency or who are hearing impaired, at both the hospital and clinic locations. Covered by the Carle health system and within a “shared services” cost center, this total investment of \$326,911 in 2024 is not included in Carle Foundation Hospital’s community benefit reporting.

### **GOVERNMENT-SPONSORED INDIGENT HEALTH CARE:**

In 2024, the cost to provide care to Medicare and Medicaid patients exceeded reimbursement by \$61,003,889.

### **DONATIONS:**

To strengthen our community, Carle provides substantial resources to other organizations in support of missions and goals that closely align with ours. In total, Carle Health made donations to over 100 civic, health improvement and educational endeavors, as well as mission work.

Specific to Carle Foundation Hospital, significant grants included \$300,000 to Promise Health/Frances Nelson Health Center in cash and in-kind support, \$50,000 to Parkland College to support healthcare professions education; \$120,000 to Champaign County Health Care Consumers to promote advocacy for access to healthcare; and \$80,000 to Land of Lincoln Legal Assistance.

### **VOLUNTEER SERVICES:**

**Employee:** While Carle Health does not have an organized/initiated volunteering program established, it is worth noting that Carle administrators and leaders provided over 280 hours on behalf of Carle for participation in community boards, committees and community functions. Most of these hours were spent by senior leaders, including the CEO/President and several vice presidents.

**Non-employee:** In 2024, non-employee volunteers put in more than 70,000 hours at the hospital, receiving no payment but contributing to Carle’s mission. At a minimum wage of \$14/hour, this equated to more than \$1,000,000 of potential wages that Carle saved by having such a strong volunteer program.

### **EDUCATION:**

Through a variety of activities including significant donations, scholarship programs, and physician, nurse and allied-health education, more than \$21 million was invested in programs that address community-wide workforce and education issues, strengthening the training and availability of professionals to care for our communities’ healthcare needs now and in the future.

- Graduate Medical Education maintained nine medical residency programs at the Carle Foundation Hospital location – Family Medicine, Cardiovascular Disease Fellowship, General Surgery, Internal Medicine, Neurology, OB/Gyn, Oral and Maxillofacial Surgery (OMS), Psychiatry, and Vascular Surgery. Family Medicine is closing Carle Foundation Hospital program on June 30, 2026. Carle Foundation Hospital has added two non-accredited fellowships – the Hepato-Pancreato-Biliary Surgery Innovation Fellowship in 2024 and the Neurosurgical Oncology Fellowship slated to begin in late 2025.
- Continuing Education at Carle Health is committed to delivering high-quality, evidence-based clinical education to healthcare professionals across local, regional, and national communities. As an accredited

## **CY 2023 Carle Foundation Hospital Report – Attachment 4A**

provider of continuing education credits for 15 distinct healthcare disciplines, Carle Health supports lifelong learning and professional development throughout the system and beyond. In 2024, the Continuing Education team facilitated over 1,000 approved educational activities, including live conferences, journal clubs, enduring materials (such as recorded modules), regularly scheduled series (e.g., grand rounds, quality reviews, morbidity and mortality reviews), webinars, and specialized training sessions. These efforts culminated in the awarding of more than 79,000 continuing education credit hours to approximately 30,000 learners. Additionally, Carle Health hosted 17+ multidisciplinary events, welcoming participants from across the region and the nation. These events reflect our dedication to fostering collaboration, advancing clinical knowledge, and improving patient care through accessible and impactful education.

Included in overall Carle Health system figures and not specific to the hospital, Carle continued support of the Carle Illinois College of Medicine, the world's first engineering-based college of medicine. In 2024, Carle Illinois added additional medical students, who will continue to thrive in a rich clinical research environment that supports student innovations to improve patient care. Looking forward, Carle's focus for the College is on faculty and physician recruitment to maximize opportunities for new research in our key pillar areas.

Overall, Carle pledged to donate \$100 million to the College over 10 years, reported as a \$10 million gift from The Carle Foundation every year, including 2024.

### **RESEARCH:**

Carle Health invests in clinical research to seek innovative solutions for difficult clinical challenges and ensure our patients have access to the most effective and innovative approaches to healthcare. The Stephens Family Clinical Research Institute (SFCRI) at Carle Health provides the scientific leadership and research infrastructure to advance research ideas and ensure the safe and compliant conduct of research in the clinical setting. Carle's clinicians and researchers conduct studies that receive recognition and support from national federal agencies, major foundations, and research institutions throughout the United States.

In 2024, clinicians, researchers, and students worked on over 425 clinical trials and research studies across the health system. More than 3,000 patients participated in clinical research, including more than 1,400 new participants at locations in Champaign-Urbana, Mattoon, Danville, Bloomington-Normal and Peoria. Researchers working at Carle produced over 220 research publications in 2024, including important research in TBI care and stroke recovery.

Research at Carle Health happens across the continuum of medical care. Nevertheless, certain fields stand out due to the exceptional expertise and collaboration among researchers and clinicians, leading to national acknowledgement of the programs created here.

Cancer Research at Carle Health's Urbana Cancer Center has received support from the National Cancer Institute starting in 1985. The National Cancer Institute Community Oncology Research Program ("NCORP") grant supports community access to innovative clinical trials and best practice in care delivery. Carle Cancer Center is one of only thirty-two community sites in the nation, bringing cancer clinical trials to individuals in their own communities. Carle's cancer research program has received multiple NCI awards for its high-quality, impactful work, leading to increased funding and wider clinical partnerships. The Carle NCORP network now has 26 affiliate sites in areas of Illinois and western Indiana that do not have access to cancer clinical trials and emerging treatments. Carle Cancer Institute received numerous awards in 2024 recognizing their outstanding accomplishments in bringing clinical trials to patients in our region, ranking as one of the top 10 programs in the country for NCI clinical trial success alongside institutions like the Mayo Clinic and Johns Hopkins. Carle continues to be a top recruiting site in the nation for an important study evaluating the effectiveness of 2D versus 3D mammography.

Georgina Cheng, MD, PhD, a Carle physician researcher and gynecological oncologist, has received the distinguished Warren and Clare Cole Award to advance her research on digital pathology tools. Designed for use during surgeries in

## **CY 2023 Carle Foundation Hospital Report – Attachment 4A**

the operating room, the tools will help improve diagnostic accuracy in the operating room and help surgeons make clearer decisions regarding immediate approaches for surgery and treatment of diseases.

Dr. Claudius Conrad, Hepatobiliary surgical oncologist, joined Carle in 2024 and was awarded a research grant from Fuji film to develop the use of advanced imaging tools in the OR to help surgeon visualize important structures in the liver, pancreas and bile duct, which improves surgical outcomes for patients.

The Carle Clinical Imaging Research Center is leading the use of the Siemens 7 T MRI system, the only 7 T system in the state of Illinois approved for clinical use. Carle Health and the University of Illinois Urbana Champaign Beckman Imaging Center, partnered to acquire the Siemens 7T MRI system 2020 and work closely to develop a unique coupling of advanced scientific development with clinical innovation. Our goal is to improve visualization of challenging clinical conditions to develop better detection and treatment of complex disease. Primary areas of interest are in Traumatic Brain Injury, Stroke Recovery, Epilepsy, Parkinsons Disease and Cognitive Decline associated with advanced disease and Aging.

In 2024, Carle Health improved the use of 7T functional MRI, which identifies regions of the brain used for various cognitive tasks. The resulted in improved identification of epilepsy focal loci (seizure start sites) to help improve outcomes for epilepsy patients undergoing surgery for seizure management. Research in this area led by Epileptologist Graham Huesman MD, PhD continues to improve understanding of seizure generation.

Researcher Zhaoyue Shi, PhD is using 7 T MRI to understand the cognitive deficits seen in approximately 40% colon cancer patients before treatment starts. She also utilizes 7T MRI imaging with the goal of improving Alzheimer's diagnosis. She received a new investigator award from the Alzheimer's Association to study visualization of cognitive deficits earlier in the disease process.

Yuan Yang, PhD, a leading expert in Transcranial electrical and magnetic stimulation leads running an American Heart Association funded clinical trial to evaluate the effectiveness of transcranial stimulation in restoring deficits remaining after recovery from stroke. His team also partners with our 7T research team to visualize cognitive function after stimulation.

Carle Health is home to one of the leading experts in the diagnosis of hypermobile Ehlers-Danlos Syndrome, a connective tissue disorder that affects thousands of people in the state. Christina Laukaitis, MD/PhD, and international expert on the genetic underpinnings of hypermobile Ehlers Danlos disease. Damon and Laukaitis, who partner with a team at University of Illinois, are studying the impacts of connective tissue structural weaknesses on the range of injuries and illness affecting this patient population, including a disorder that can lead to premature birth and miscarriage. Carle Health is the primary clinical research partner for the Carle Illinois College of Medicine at the University of Illinois at Urbana Champaign. Carle partners on more than forty collaborative research projects to advance understanding of complex disease processes and develop technical solutions.

In 2024, Carle Health joined the EPIC COSMOS Consortium, which provided students with access to a national healthcare database. Working with data scientists at Carle, CIMED students quickly became top users of the database, authoring several important clinical observation publications over the last year. These publications help to improve knowledge of patient outcomes and raise awareness of how patients may respond to various treatment approaches.

Carle Health continues to partner with innovators and start-up companies to support development of novel solutions for challenges facing clinical care. Our partnership with Prenosis, a company founded in 2016, resulted in the first de novo FDA approval for an AI based diagnostic tool. Sepsis ImmunoScore, uses algorithms to combine biological data with broad clinical data to elucidate patterns in the human biological response to sepsis. Founded by Rashid Bashir, Dean of the University of Illinois Grainger College of Engineering, and Bobby Reddy Jr., PhD, Chicago-based Prenosis collaborated with Carle Critical Care physician, Karen White, MD, PhD and Emergency Medicine physicians, Brad Weir, and Ben Davis to design and test the algorithm that eventually led to Sepsis ImmunoScore, which is currently being used in a clinical trial at Carle Foundation Hospital to test the clinical user experience.

## CY 2023 Carle Foundation Hospital Report – Attachment 4A

Carle Health has collaborated with various medical student and faculty start-up ventures to assist in designing clinical research studies and to enhance their understanding of clinical settings, thereby improving the development and effectiveness of their innovations.

### **SUBSIDIZED HEALTH SERVICES:**

Over the years, multiple Carle initiatives have provided additional access to care. Because these services continue to meet an enormous need, the programs have been maintained, though they operate at a loss. Some of these subsidized services include:

**Community Health Initiatives (CHI):** Carle's Community Health Initiatives seeks to address care for a specific region of our population in poverty. Children in poverty have greater risk of serious health problems, and data shows the most significant factor in a person's health and life trajectory is not the choices he or she makes as an adult, but rather the environment in which a person grows up.

Consisting of three main initiatives – Healthy Beginnings home visiting the Carle Mobile Health Clinic, and the Carle Mobile Market – the intent for the program is to address the root cause of health concerns facing our community, also called social determinants of health, and to ultimately improve the areas of emphasis in Carle's community benefit plan, including behavioral health, obesity, violence and access to care.

- **Healthy Beginnings Home Visiting:** In 2024 Healthy Beginnings had a total of 4,215 completed visits. Of the total visits conducted, 666 were telehealth visits and 3,549 were in person visits. This does not include the time and hours spent on coordination.
- **Mobile Health Services:** Carle Mobile Health continues working closely with area partners to identify and address causes of health concerns facing the communities we serve. Since 2018, the Mobile Health Clinic has served residents of Champaign County bringing Carle's high quality care directly into neighborhoods to serve patients right where they live. This clinic acts as a full service, walk-in medical care option for families in all service areas. Mobile Health Services has expanded into new regions in 2024 working to outreach and serve more communities with medical care access and healthy foods. Carle Health now offers 2 large mobile health clinics that cover Champaign, McLean, and Vermilion counties in Illinois and a Mobile Food Market that offers fresh and healthy produce to communities all over Vermilion County. The mobile health team and services have become trusted access to populations that may otherwise go without needed medical and health care.

In 2024 a total of 3,486 patients were served in all 3 counties of service. The units were out in operation 4-6 days per week and offered 8 Back to School Events with various school districts. Continued partnerships and collaborations are already in the plans for 2025 including working with other healthcare agencies to provide large scale health events, closely working with payors to close care gaps of their enrollees, and providing more outreach for screenings to bring more awareness and focus to improve health outcomes.

The CHI and Healthy Beginnings home visiting cost centers counted as a total loss of \$671,000 to the hospital.

**Faith Community Nurse Program:** Carle Health has one of the largest Faith Community Nurse groups in the nation, having educated 585 nurses from 317 congregations in 75 counties in 19 states. The program trains nurses from local places of worship to educate congregants and advocate for their healthcare interests. In 2024, Faith Community nurses served their Faith Communities a total of 1143 hours with 1070 encounters in nine settings. 73 referrals were made to six different resource types. The group also distributed more than 1,200 Vial of Life kits; bringing the total to more than 35,638 to date.

## **CY 2023 Carle Foundation Hospital Report – Attachment 4A**

**Carle Breastfeeding Clinic (BFC):** Certified Lactation Consultants have helped thousands of women successfully breastfeed since 1997. This service is free and available to any nursing mother, regardless of where she receives care. Located at Carle Foundation Hospital and outpatient clinics in Champaign and Urbana, the service includes 7 day a week support where breastfeeding mothers can call and speak to a nurse.

**Other Subsidized Health Services maintained to improve the health of the community include:** AirLife, Carle Auditory Oral School, ECHO (Expanding Children’s Hearing Opportunities), Mills Breast Cancer Institute, Neonatal Intensive Care Unit, Patient Advisory Nurse, Pulmonary Rehabilitation and Telemedicine.

### **BAD DEBTS:**

By expanding the presumptive eligibility screening processes and determining the financial status of patients up-front, Carle has been able to pinpoint those needing assistance early in the process, minimizing bad debt and optimizing our ability to help. However, there is still some loss incurred for services we provided but which payment was never received.

Bad debt incurred by Carle Foundation Hospital in 2024 was \$14,301,949



## CY 2024 Carle Foundation Hospital Report – Attachment 4

For period from 1/1/2024 through 12/31/2024

### Attachment 4: Financial Assistance Data

Data on Financial Assistance Applications:

- The number of applications submitted to the hospital, both complete and incomplete;
  - 28,294<sup>1</sup>
- The number of applications approved; and
  - 52,076
- The number of applications denied and the 5 most frequent reasons for denial.
  - Number Denied:
    - 6,976
  - Top 5 Reasons for Denial (Unordered):
    - Incomplete Application
    - Income Exceeds Policy Threshold
    - Patient Qualifies for Medicaid
    - Patient Out of Qualifying Area
    - Other

To the extent that race, ethnicity, sex, or preferred language is collected and available for financial assistance applications, the data outlined in paragraph (5) shall be reported by race, ethnicity, sex, and preferred language.

- Carle Health’s Financial Assistance Program experiences the same five reasons for denial across all applicants; therefore, the top five reasons for denial are the same across all races, ethnicities, sexes, and preferred languages.
  - Top 5 Reasons for Denial (Unordered):
    - Incomplete Application
    - Income Exceeds Policy Threshold
    - Patient Qualifies for Medicaid
    - Patient Out of Qualifying Area
    - Other

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<sup>1</sup>28,294 represents applications approved across the health system

CFAP covers Carle Foundation Hospital (CFH), Carle Hoopeson Regional Health Center (CHRC), Carle Richland Memorial Hospital, Carle BroMenn Medical Center, Carle Eureka Hospital, Carle Health Methodist Hospital, Carle Health Proctor Hospital, Carle Health Pekin Hospital., Carle Physician Group, Carle West Physician Group and a number of other distinct businesses like Arrow Ambulance and Champaign SurgiCenter; all of which are part of The Carle Foundation. When a patient applies for financial assistance, their application is considered for, and approval or denial is granted for, all Carle entities.

**Carle Foundation Hospital**  
**CY 2024 – 210 ILCS 76/22 Public Report**

§ 22(a): *In order to increase transparency and accessibility of charity care and financial assistance data, a hospital shall make the annual hospital community benefits plan report submitted to the Attorney General under Section 20 available to the public by publishing the information on the hospital's website in the same location where annual reports are posted or on a prominent location on the homepage of the hospital's website. A hospital is not required to post its audited financial statements.*

1. Reporting Period:
  - a. 1/1/2024 through 12/31/2024
2. Charity Care:
  - a. Hospital Total Charity at Cost: \$18,057,494
  - b. ED Subset: \$3,335,219
3. Total Net Patient Revenue
  - a. \$1,350,452,883
4. Carle Health System Total Community Benefits Spending
  - a. \$324,669,658
5. Data on Financial Assistance Applications:
  - a. The number of applications submitted to the hospital, both complete and incomplete;
    - i. 28,294<sup>1</sup>
  - b. The number of applications approved; and
    - i. 52,076
  - c. The number of applications denied and the 5 most frequent reasons for denial.
    - i. Number Denied:
      1. 6,976
    - ii. Top 5 Reasons for Denial (Unordered):
      1. Incomplete Application
      2. Income Exceeds Policy Threshold
      3. Patient Qualifies for Medicaid
      4. Patient Out of Qualifying Area
      5. Other
6. To the extent that race, ethnicity, sex, or preferred language is collected and available for financial assistance applications, the data outlined in paragraph (5) shall be reported by race, ethnicity, sex, and preferred language.
  - a. Carle Health's Financial Assistance Program experiences the same five reasons for denial across all applicants; therefore, the top five reasons for denial are the same across all races, ethnicities, sexes, and preferred languages.
    - i. Top 5 Reasons for Denial (Unordered):
      1. Incomplete Application
      2. Income Exceeds Policy Threshold
      3. Patient Qualifies for Medicaid
      4. Patient Out of Qualifying Area
      5. Other

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<sup>1</sup>28,294 represents applications approved across the health system

CFAP covers Carle Foundation Hospital (CFH), Carle Hoopeson Regional Health Center (CHRH), Carle Richland Memorial Hospital, Carle BroMenn Medical Center, Carle Eureka Hospital, Carle Health Methodist Hospital, Carle Health Proctor Hospital, Carle Health Pekin Hospital, Carle Physician Group, Carle West Physician Group and a number of other distinct businesses like Arrow Ambulance and Champaign SurgiCenter; all of which are part of The Carle Foundation. When a patient applies for financial assistance, their application is considered for, and approval or denial is granted for, all Carle entities.