Wood County

Community Health Assessment

Published January 2020
IN PARTNERSHIP WITH...

Healthy People Wood County

Wood County Health Department

Marshfield Clinic Health System

ASPIRUS
Passion for excellence. Compassion for people.
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INTRODUCTION

The Community Health Assessment (CHA) is the result of a collaborative effort led by Healthy People Wood County. The Wood County Health Department, Marshfield Clinic Health System, and Aspirus Riverview Hospital and Clinics conducted surveys, community conversations, and key informant interviews with community members and value-aligned organizations to identify the greatest health needs, community assets, and ideas to develop a comprehensive plan to improve the health of Wood County residents.

Access to healthcare and providers is an important contributor to health, yet 80% of what makes people healthy occurs outside of a doctor visit. This assessment embraces the social, cultural, and environmental factors that collectively have a tremendous impact on health. When these factors are properly addressed and enhanced using an approach that focuses on health equity, we can ensure that all residents have a fair opportunity to achieve a high quality of life. The purpose of this nationwide CHA is to highlight strengths and health needs, as well as present opportunities for collaboration between public health, healthcare, community organizations, private business, and residents.

The Affordable Care Act (ACA) provides a framework for the existing structure of hospital Community Benefits programs by requiring a CHA every three years, accompanied by annual implementation strategies. It is an expectation that the CHA will be used as a reference and foundation to improve the health of Wood County residents. Better outcomes will be achieved by working collaboratively across systems, as each sector plays a critical role in building healthy communities and fostering equitable access to health-enhancing resources.

Research shows that the health of communities can be improved by investing private and public dollars to ensure equitable access to a system focused on prevention, wellness, and the elimination of disparities. Community partnerships, such as ours, address upstream drivers of health and lay the groundwork for ongoing community partnerships and well-aligned strategies that will succeed in responding to the identified health needs. Health improvement happens at the local level and our communities are at the core of bringing about the changes that will enhance the health of residents. Working together, we can leverage our expertise and resources to address our community’s most critical needs.

All Wood County residents are invited to use this plan to improve individual, family, organization, and community health, as well as help ensure a culture of health in all policies, plans, and economic and community activities. This sense of shared purpose will set the stage for ongoing collaboration to optimize health and prosperity for all.

Thank you to all who contributed in this assessment by taking the community survey, participating in community conversations and key informant interviews, and the helping with the research and writing process.
We would like to thank the residents of Wood County for engaging in this Healthy People Wood County (HPWC) Community Health Assessment (CHA). This work would not have been possible without community participation in community conversations, key informant interviews, and the 874 residents who completed the community survey. The conversations and information shared during the assessment process directly informed and shaped the priorities in this document. Thank you!

Thank you to the organizations who participated in one-on-one key informant interviews:

- Aspirus Riverview Hospital and Clinics, Inc.
- Boys and Girls Club of Wisconsin Rapids Area
- City of Wisconsin Rapids
- Columbus Catholic High School
- The Hannah Center
- Incourage Community Foundation
- Legacy Foundation
- Local Farmers
- Love INC
- Marshfield Area Community Foundation
- Marshfield Area United Way
- Marshfield Clinic Health System
- Mary’s Place
- Mead Witter Foundation
- Port Edwards School District
- River Cities Bank
- School District of Auburndale
- School District of Nekoosa
- United School District of Marshfield
- Wisconsin Rapids Police Department
- Wisconsin Rapids Public Schools
- Wisconsin Rapids YMCA
- Wood County Health Department

Thank you to those who participated in community conversation:

- Aging & Disability Resource Center of Central Wisconsin (ADRC)
- Boys and Girls Club of Wisconsin Rapids Area – youth
- Hmong Community
- Plain Community
- River Cities Clubhouse
- Wisconsin Rapids YMCA – Aging Population
- Women, Infant, and Children (WIC)

Thank you to those who helped prepare this document:

- Wood County Health Department – Kristie Egge
- Wood County Health Department – Julie Cutright
- Wood County Health Department – David Strong
- Wood County Health Department – Sarah Salewski
- Wood County Health Department – Ashley Normington
- Marshfield Clinic Health Systems – Pa Yiar Khang
- Aspirus Riverview Hospital & Clinics, Inc. – Jill Kurszewski
OVERVIEW OF PARTNER ORGANIZATIONS

Wood County Health Department

The Wood County Health Department (WCHD) is a nationally accredited organization with a vision of “maximizing quality of life across the lifespan”. WCHD follows this mission through the services they provide and community collaborative efforts they facilitate throughout Wood County.

These services include:
- Environmental Health Services (coverage area also includes Adams and Juneau counties)
- Women, Infants, and Children (WIC) (clinics in Wisconsin Rapids, Marshfield, and Pittsville)
- Healthy Smiles – Provides direct service to youth in schools to improve oral health
- Immunizations and Communicable Disease – Provides communicable disease consultation, tracking, and reporting
- Maternal and Child Health and Injury Prevention
- Community Health – Healthy People Wood County teams

WCHD is committed to adjusting and realigning their work to make sure equitable practices are infused in all of their objectives and strategies. By making a concerted effort to address health equity, they can better align with their mission to maximize quality of life across the lifespan by ensuring that every Wood County resident has a fair and just opportunity to be as healthy as possible.

Marshfield Clinic Health Systems

Marshfield Clinic was founded in 1916 by six physicians practicing in Marshfield, a small city in a rural area of central Wisconsin. The clinic founders have viewed research and education as critical to their practice of health care since the clinic's inception. The clinic became a 501(c)(3) nonprofit organization in 1992 and in 2014, Marshfield Clinic Health System, Inc. was formed. The health system's mission is to enrich lives and create healthy communities through accessible, affordable, and compassionate healthcare.

Today, the health system is an integrated system serving Wisconsin and beyond, with more than 10,000 employees including over 1,200 providers in 86 specialties. Its entities provide health care services to more than two million residents through over 50 clinical care centers in 34 Wisconsin communities.

The health system includes Marshfield Clinic; Marshfield Clinic Research Institute; Security Health Plan of Wisconsin, Inc.; Marshfield Clinic Health System Foundation; and Marshfield Medical Center hospitals in Marshfield (including Marshfield Children’s Hospital), Eau Claire, Rice Lake, Neillsville, Ladysmith, Minocqua, and Beaver Dam, as well as a joint venture with Flambeau Hospital in Park Falls.

The clinic operates 10 dental centers in northern, central, and western Wisconsin, which provide general family dentistry and dental hygiene services to more than 60,000 patients every year. These centers were launched through a collaboration between Marshfield Clinic; Family Health Center of Marshfield, Inc.; and federal and state agencies, to address the need for dental care in underserved areas. The centers serve all patients regardless of ability to pay or health insurance status.
**Marshfield Medical Center Hospital**

Marshfield Medical Center (MMC) is a 315 bed full service hospital in Marshfield, Wisconsin, which offers primary, secondary, tertiary, and Level II Trauma Center hospital services. MMC, previously Ministry Saint Joseph’s Hospital, was acquired by Marshfield Clinic Health System in July 2017.

MMC offers a wide range of advanced care units, including:
- Birth Center
- Cardiology
- Certified Primary Stroke Center
- Children's Hospital
- Endovascular services
- Intensive Care Unit
- Neonatal Intensive Care Unit
- LifeLink transportation (helicopter, airplane)
- Telestroke consultations with northern Wisconsin hospitals
- Urgent Care
- 24/7 Emergency Department

**Aspirus Riverview Hospital & Clinics, Inc.**

Aspirus Riverview Hospital and Clinics (ARHC) is a community health system that includes one hospital, five clinics, and one dental center. ARHC is the sole community hospital for a population of more than 45,000 and operates the only emergency room within a 20-mile radius. ARHC was established by community leaders in 1912 to fill the health care needs of Wisconsin Rapids, South Wood County, and the surrounding areas. It has served as the safety net of the community for more than 100 years.

ARHC is a full service hospital which operates three inpatient units: Medical/Surgical, Critical Care, and Family Birthplace. Additional services currently offered by ARHC include:
- Heart and Vascular
- Cardiac Rehabilitation
- Joint Replacement
- Cancer Care
- Inpatient and Outpatient Surgery
- Physical/Occupational/Speech Therapy
- Diabetes and Nutrition Education
- Sleep Lab
- Wound Center
- Five Primary and Specialty Care Clinics
- Outpatient Behavioral Health
- Dental Center (accepts Medicaid and uninsured patients)
INPUT ON THE PREVIOUS HOSPITAL / COMMUNITY HEALTH NEEDS ASSESSMENT

As mandated by the Internal Revenue Service (IRS), Charitable Hospital Organizations must both solicit and take into account input received from specified sources in identifying and prioritizing significant health needs and in identifying resources available to address those health needs. These specialized sources include:

1. At least one state, local, tribal, or regional government public health department (or equivalent department or agency), or State Office of Rural Health described in Section 338J of the Public Health Services Act, with knowledge, information, or expertise relevant to the health needs of the community.

2. Members of medically underserved, low-income, and minority populations in the community who are served by the hospital facility, or individuals or organizations serving or representing the interests of these populations.

3. Written comments from the hospital facility’s most recently conducted CHNA and most recently adopted implementation strategy (IRS, 2019).

Aspirus Riverview Hospital and Marshfield Medical Center did not receive any written input or comments from the community regarding the prior Community Health Needs Assessments (CHNA).

Previous CHA for Wood County Health Department can be found at http://www.co.wood.wi.us/Departments/Health/.

Previous CHNA for Marshfield Clinic Health System can be found at https://marshfieldclinic.org/locations/marshfield-medical-center/community-health-needs.

Previous CHNA for Aspirus Riverview Hospital can be found at https://www.aspirus.org/community-resources.

Community residents wishing to provide input on the current Community Health Assessment may contact health partners at any time at healthypeoplewoodcounty@gmail.com.
Wood County covers 809 square miles and is located in central Wisconsin. The county seat is located in Wisconsin Rapids. The county is more rural than Wisconsin overall, with 37% of the population living in rural areas and 63% in urban clusters in 2010. Wood County has a population density of 94 people per square mile, as of 2010 (United States Census Bureau, n.d.a).

### Population

According to United States Census Bureau, the estimated population in 2018 was 73,055, which is a decrease from 74,749 in the 2010 U.S. Census. As the population in Wood County decreased, the overall population of Wisconsin increased from 5,686,986 in 2010 to an estimated 5,813,568 in 2018 (United States Census Bureau, n.d.a). Graphic 1 displays the population changes in Wood County and Wisconsin.

**Graphic 1: Population Change in Wood County between 2010 & 2018**

<table>
<thead>
<tr>
<th>Year</th>
<th>Wood County</th>
<th>Wisconsin</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>74,749</td>
<td>5,686,986</td>
</tr>
<tr>
<td>2018</td>
<td>73,055</td>
<td>5,813,568</td>
</tr>
</tbody>
</table>

Wood County has a higher percentage of persons 65 years and older than Wisconsin overall. In contrast, Wood County has a lower percentage of persons under 18 years of age compared to Wisconsin overall (United States Census Bureau, n.d.a).

**Chart 1: Population of Wood County and Wisconsin in 2017 by age**

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Wood County</th>
<th>Wisconsin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persons 65+</td>
<td>20.1%</td>
<td>16.5%</td>
</tr>
<tr>
<td>Persons under 18</td>
<td>21.6%</td>
<td>22.1%</td>
</tr>
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</table>
**Household Income**

In Wood County, the median household income increased from $51,025 in 2015 to $53,346 in 2017, which is an increase of $351 (U.S. Census Bureau, 2018). Although there was little increase in median household income in Wood County, there was a $3,677 increase in median household income in Wisconsin overall ($55,623 in 2015 to $59,300 in 2017).

**Chart 2: 2015 & 2017 Median Household Income Comparison – Wood County & Wisconsin**

<table>
<thead>
<tr>
<th></th>
<th>Wood County</th>
<th>Wisconsin</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>$51,025</td>
<td>$55,623</td>
</tr>
<tr>
<td>2017</td>
<td>$53,346</td>
<td>$59,300</td>
</tr>
</tbody>
</table>

**Poverty**

There was a slight decline in Wood County’s poverty rate from 2015 to 2017. In 2015, 11.3% of the population lived in poverty, compared to 10.7% in 2017. There was also a decrease in the percentage of children ages 5-17 living in poverty (14% in 2015 compared to 11.9% in 2017) (United States Census, 2018). The United Way defines ALICE families as “households having incomes above the Federal Poverty Level (FPL) but struggling to afford basic household necessities” (United Way, 2018). In 2016, 24% of Wood County households were ALICE families. South Wood County has more ALICE households or people living in poverty than North Wood County. In 2016, Wisconsin Rapids had 50% of households either living in poverty or considered ALICE households, compared to 39% in Marshfield (United Way, 2018).

**Unemployment**

The Wood County unemployment rate decreased from 5.5% in 2015 to 4.4% in January 2019. However, this decrease was not as large as the decrease in the state of Wisconsin’s unemployment rate (United States Department of Labor, 2019).

**Education**

Educational attainment is associated with higher incomes and improved health outcomes. In Wood County, 92.6% of individuals aged 25 years and older have completed high school, which is similar to 91.7% for Wisconsin overall (United States Census Bureau, n.d.a). Although 90% of Wood County residents have a high school diploma, only 21.1% of people aged 25 and older have a bachelor’s degree or higher (United States Census Bureau, n.d.a).
Gender and Sex

There is a common misconception that gender and sex have the same meaning. Gender is socially constructed and may not align with the sex that is assigned to individuals at birth (e.g. female, male, or intersex), whereas reproductive organs and chromosomes determine biological sex. Gender categories are non-binary and encompass a spectrum of experiences, such as those who identify as women, men, transgender, and genderqueer (World Health Organization, n.d.).

According to the World Health Organization (WHO), the “socially constructed characteristics” of gender include “norms, roles, and relationships” that vary across time, cultures, and geographies. Given gender-based discrimination, these norms result in individuals having differential access to income, education, and power according to gender identity. This gender inequality thus results in unequal health outcomes across groups. Wisconsin’s 2017 Youth Risk Behavior Survey showed that 2.2% of high school youth identified as transgender (Wisconsin Department of Public Instruction, 2017a). The only data available for Wood County are for the female and male populations (biological sex); non-binary options were not included.

Race and Ethnicity

The majority of the population in Wood County is white (non-Hispanic/Latino) at 92.2%, followed by Hispanic/Latino at 3.1%, Asian at 2%, American Indian at 0.9%, Black / African American at 1.0%, and multi-racial at 1.3%. Chart 3 displays race and ethnicity in Wood County compared to Wisconsin overall. In Wood County, the percentage of white decreased from 2015 by a little more than half of a percent with a slight increase in the Asian population. Wisconsin has a higher percentage of Black/African American residents (6.7%) and a lower percentage of white non-Hispanic residents (87.3%). In Wisconsin, 6.9% of the population is Hispanic / Latino, 2.9% is Asian, and 1.9% is multi-racial (United States Census Bureau, n.d.a).

Wood County is home to Hmong, Ho-Chunk, and Amish communities. The Ho-Chunk Nation, the “People of the Big Voice” or “People of the Sacred Language,” has tribal lands in Wood County. Wood County comprises a portion of the treaty land that has historically been claimed by multiple tribes including the Ho-Chunk, Ojibwe, and Menominee Nations. Much of this land was subsequently taken through federal government treaties (Jones, 1923).
Racial and ethnic inequities in health continue to persist in Wood County. These inequities result from differential exposures (social, political, economic, environmental), differential access to prevention and treatment services (including those related to both mental and physical health), and differential quality of care according to social categories of race and experiences of racism. Racism can be understood as the “system of structures, processes, and values that results in differential outcomes by race and may be present at various levels: cultural, institutional, interpersonal, and internalized”.

Historical trauma, a concept developed by Dr. Maria Yellow Horse Brave Heart, refers to the cumulative emotional and psychological wounding over one’s lifetime and from generation to generation following loss of lives, land, and vital aspects of culture. A history of displacement, relocations, slavery, unjust treaties, forced assimilation, tribal terminations, racial segregation, incarceration, and inequitable development and investment has led to historical trauma and exacerbated the racial health inequities we face across the country and in Wisconsin communities today. For example, racially restrictive covenants on property, discriminatory federal housing policies, and banking practices such as redlining, exclusionary zoning and urban planning, and the resulting residential and school racial segregation, alongside differential law enforcement and incarceration, have resulted in different life and health opportunities among communities of color. Research has demonstrated that sustained stress across the life course (e.g., from historical trauma) has physiological effects and can increase health risks for individuals and potentially across generations.
The health priorities for Wood County were chosen after collecting and analyzing primary and secondary data from local and state sources; additional secondary data can be found in Appendix 11. The primary data was collected using three different methods: key informant interviews, community conversations, and community health assessment surveys. Key informant interviews were conducted with community leaders from local organizations who work with marginalized populations. Community conversations were done to seek input from certain populations to learn the strengths, challenges, and opportunities of Wood County. The primary data collection resulted in the completion of 33 key informant interviews, 6 community conversations, and 874 community health assessment surveys.

Key Informant Interviews

Thirty-three key informant interviews were conducted from November 2018 to February 2019. The key informant interviews gave the perspective of local professionals and organizations who serve Wood County residents. Each interview followed the same list of questions to maintain consistency and increase the validity of the results. The questions asked during the key informant interviews can be found in Appendix 4 and additional results from the analysis of the key informant interviews can be found in Appendix 6.

The strengths of Wood County that key informants identified during the interviews can be found in Chart 4. Identifying these strengths helps clarify the community’s values as well as the resources and assets within the community that serve as protective factors for residents.

Taking these strengths into consideration, the Community Health Improvement Plan (CHIP) planning team can focus on identifying underutilized assets within the community and looking for ways to mobilize them to address health needs. Overall, further learning of the strengths in the community will allow for a better understanding of the community (The University of Kansas, n.d).

<table>
<thead>
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<th>Chart 4: Strengths of Wood County Identified by Key Informant Interviews</th>
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<td>Small Town Perks</td>
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<td>Committed Residents</td>
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<td>School System</td>
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<tr>
<td>Outdoor Recreation</td>
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<tr>
<td>Community Resources</td>
</tr>
<tr>
<td>Geography and Nature</td>
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<tr>
<td>Strong Community Leaders</td>
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<td>Health Systems</td>
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<tr>
<td>Community Initiatives</td>
</tr>
<tr>
<td>Industry</td>
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<tr>
<td>Local Higher Education</td>
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<tr>
<td>Historical Aspects</td>
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</tbody>
</table>
After sharing their thoughts on the strengths of Wood County, key informants were asked to identify the challenges Wood County residents face. The challenges that were identified by key informants can be found in Chart 5. Capturing these challenges helps prioritize certain factors that impact the community’s health. For example, the most commonly referred to challenge the key informants identified was the poor economy. Poverty and unemployment have an impact on almost every aspect of a person’s health, for more straightforward reasons such as being uninsured, not being able to afford food, and losing a home, to less straightforward reasons such as experiencing chronic stress due to being forced to choose between daily necessities with limited resources. It is important to note that issues less frequently identified by stakeholders as problems within Wood County, such as chronic disease, environmental concerns, generational issues, and others play a leading role in the overall health and well-being of Wood County residents.

**Chart 5: Challenges of Wood County Identified by Key Informant Interviews**

Every challenge identified in Chart 5 affects a person’s health and each of these should be taken into consideration when finalizing the health priorities for the Community Health Improvement Plan (CHIP). The more frequently identified issues may be a higher priority among community residents to address.

Graphic 8 depicts the key informants’ reasons for why these challenges exist and possible ways to address them.
Graphic 6: Challenges of Wood County and Ways to Address Challenges Identified by Key Informant Interviews

Key Informant Interviews

**Poor Economy**
- Causes:
  - Lack in diversity of industry
  - Can’t attract and retain young professionals
  - Business closures
  - Lack of jobs with livable wages and benefits
  - Lack of necessary skills and education among job candidates
- Ways to address:
  - Community and economic development
  - Incentives for young professionals to live and work here
  - Push for entrepreneurship and new industry

**Alcohol and Other Drug Abuse**
- Causes:
  - Drug trafficking as a source of income
  - Normalization of specific drugs like alcohol and marijuana
  - Accessibility for youth and a lack of substance use disorders in community
- Ways to address:
  - Community-led interventions
  - Continued prevention efforts

**Poor Youth Development**
- Causes:
  - Youth not being held accountable for their actions
  - Youth who experience trauma who lack support networks and the necessary resources grow up to be less resilient
  - Unengaged parents or parents who lack the appropriate parenting skills
  - Physical, mental, sexual, spiritual, and community health needs not being met
- Ways to address:
  - Consistent accountability for youth at home, school, and other social settings
  - Services brought to school that otherwise would be inaccessible to youth
  - Teaching skills to youth and their parents
  - Transportation to after-school programs and activities

**Mental Health**
- Causes:
  - Lack of resilience to cope with trauma and hopelessness
  - Stigma
  - Trauma
  - Owning of technology and youth being immersed in technology
  - People losing community connections resulting in isolation
- Ways to address:
  - Destigmatize mental illness through teaching and community-led initiatives
  - Build resilience and connect people to peers
  - Focus on situations instead of just the person

**Lack of Community Engagement**
- Causes:
  - Community initiatives lack resources and awareness
  - Resident involvement barriers: busy-ness, lack of energy or unaware
  - Public perception of community organizations and local governments as being untrustworthy or not having similar values as the community has
- Ways to address:
  - Community organizations and local government increase transparency and outreach to partner with community
  - Promote inclusive and collaborative community work
  - Improved communication across the spectrum of organizations and involved in community initiatives

**Transportation Issues**
- Causes:
  - Lack of affordable public transit
  - Public transit is unreliable due to late or missed pick ups
- Ways to address:
  - Explore additional transport options that are affordable and reliable
  - Acquire funding and build infrastructure for bus route
Key Informant Interviews (continued)

### Barriers to Resources
**Causes:**
- Issues with infrastructure of care facilities that have long waiting lists
- Co-pays, people lacking insurance or people who have insurance with high deductibles and limited coverage (underinsured)
- Residents unaware of resources or how to access them

**Ways to address:**
- Recruit and retain healthcare providers
- Address issues in care infrastructure and the continuum of care
- Philanthropy and more funding through diverse sources

### Generational Issues
**Causes:**
- Shifting cultural norms and values of younger generations that don’t align with older generations
- Cycle of issues that affect one generation and the next
- Older generation not involving younger generation, there is a barrier in communication and learning

**Ways to address:**
- Shift culture into being more open-minded to differences by generation
- Practice cultural humility and shared learning to learn about generational differences

### Environmental and Geographic Issues
**Causes:**
- Runoff from farms contaminating water, namely nutrient contamination
- Issues with zoning and enforcement of zoning regulations
- Invisits dividing line between North and South Wood County

**Ways to address:**
- Match agriculture to appropriate land to prevent runoff and other issues

### Chronic Disease
**Causes:**
- Comorbidities such as obesity and diabetes in the aging population
- Food deserts resulting in food insecurity and poor nutrition
- Treatment for chronic diseases such as cancer is expensive

**Ways to address:**
- More advanced care planning
- Increase access to hospice care

### Housing Issues and Homelessness
**Causes:**
- Housing stock is old, unsafe, and worsening in quality
- Available housing is not affordable
- Housing lacks variety

**Ways to address:**
- Improve housing stock through renovations and standardization in housing quality
- Address homelessness issue by promoting and building affordable transitional housing

### Lack of Trust in Decision Makers
**Causes:**
- Lack of confidence and trust in leadership
- Lack of transparency from leadership and decisions being made without community input
- Lack of focus on a few important initiatives and priorities not aligning with community’s priorities
- Lack of progressive government and community development

**Ways to address:**
- Increase transparency and accountability of leaders through transformative leadership
- Elect officials who are progressive and would be accountable through transparency, open communication, and the public
- Leadership to work on fewer initiatives and have priorities that align with community

### Inequities
**Causes:**
- Gaps in power and wealth among people of differing socioeconomic status
- Discrimination and racism
- Social determinants of health

**Ways to address:**
- Address root causes of issues and use upstream solutions
- Explore changes in policies, systems, and environment
Community Conversations

Community conversations were conducted from November 2018 to February 2019. Input was sought from marginalized populations to learn the strengths, challenges, and opportunities of Wood County. The six community conversations conducted were with:

- Families utilizing the Women, Infants, and Children (WIC) program
- Members from the River Cities Clubhouse
- Wisconsin Rapids YMCA senior population
- Hmong community members
- Youth from the Boys and Girls Club
- Participants from the Aging and Disability Resource Center (ADRC)

The challenges identified by each group are highlighted in Graphic 7. The questions asked at the community conversations are below.

- What are the best parts about the community? Points of pride?
- What are the most important challenges facing the community?
- Why do you think these challenges exist?
- How do you think these challenges could be improved? Who should be working on this?
- What are some changes you would like to see that would make this community a better place to live?

A complete questionnaire can be found in Appendix 5 and additional data from each community conversation can be found in Appendix 7.
Graphic 7: Challenges identified by Community Conversations

Community Conversations

Women Infants and Children
Challenges
- Generational Issues
- Alcohol and Other Drug Abuse
- Poor Youth Development
- Transportation Issues
- Barriers to Resources and Treatment
- Poor Economy
- Housing Issues and Homelessness

River Cities Clubhouse
Challenges
- Mental Health
- Transportation Issues
- Lack of Trust in Decision Makers
- Poor Economy
- Barriers to Resources and Treatment
- Generational Issues
- Housing Issues and Homelessness
- Chronic Disease
- Alcohol and Other Drug Abuse
- Physical Environment and Crime

Aging Population - Wisconsin Rapids YMCA
Challenges
- Generational Issues
- Transportation Issues
- Lack of Community Engagement
- Inequities
- Poor Economy
- Lack of Trust in Decision-makers
- Housing and Homelessness
Community Conversations (continued)

Boys and Girls Club
Challenges
- Poor Youth Development
- Alcohol and Other Drugs
- Vaping in school facilities
- Lack of outdoor recreational facilities for teens

Hmong Community
Challenges
- Mental Health
- Transportation Issues
- Generational Issues
- Poor Economy
- Inequities
- Barriers to Culturally-Appropriate Resources and Treatments

Aging and Disability Resource Center
Challenges
- Alcohol and Other Drug Abuse
- Transportation Issues
- Generational Issues
- Chronic Disease
- Poor Youth Development
- Mental Health
- Barriers to Resources and Treatment
- Poor Economy
- Lack of Trust in Decision-makers
Community Health Assessment Survey

The final method of primary data collection was the Community Health Assessment Survey, conducted in May 2019. The survey consisted of 10 required questions, including open-ended, checkboxes, and Likert scale questions. Demographics were collected, but were not required. The surveys were separated into complete surveys and incomplete surveys. A completed survey had all the checkboxes and Likert scale questions answered whereas an incomplete survey had blanks within those sections that did not allow for analysis. There were 874 completed surveys and 434 incomplete surveys, for a total of 1,308 community member participants.

Given the results of the completed surveys, in addition to key informant interviews and focus groups, the top three health priorities of Wood County are: 1) Substance Abuse, 2) Behavioral Health, and 3) Food Systems & Physical Activity. The Community Health Assessment Survey and a summary of results can be found in Appendix 3.

Plan to Bring Results from Community Health Assessment to Community Members

Health partners are responsible and required to provide further clarification of data as requested and to track community feedback to incorporate into future writing processes. This completed CHA is made publicly available via hard copies at request and websites of health systems, and it will be disseminated to those who informed primary data collection and through various media outlets to help reach the majority of Wood County residents. This will ensure the community is aware of the completion of the CHA, the chosen health priorities, and the methods used to engage in the implementation strategies. As detailed in the letter of support, widespread sharing and use of this document is encouraged.
After completing an extensive analysis of quantitative and qualitative data, the National Association of County and City Health Officials (NACCHO) Prioritization Matrix was used to determine the health priorities and included questions to answer the following:

- How is the county doing compared to the state and national goals?
- What health priorities have the largest community impact?
- What health priorities have the most serious impact?
- Is the community ready to change?
- Can these health priorities be changed over a reasonable period of time?
- Are there gaps in county efforts to address the health priority?
- Did the community and county data identify this as a health priority?
SOCIAL DETERMINANTS OF HEALTH AND HEALTH EQUITY

Social determinants of health are defined as “nonmedical factors such as employment, income, housing, transportation, child care, education, discrimination, and the quality of places where people live, work, learn, and play, which influence health” (Robert Wood Johnson Foundation, 2017). Social determinants of health are constructed by social policies set forth by governments and legislative bodies. The World Health Organization (WHO) Commission on the Social Determinants of Health decided to add healthcare to social determinants because access to healthcare is impacted by national policies. Graphic 2, created by the Kaiser Family Foundation, illustrates the social determinants of health.

Health Equity is defined as “everyone has a fair and just opportunity to be as healthy as possible. This requires removal of obstacles to health such as poverty, discrimination, and their consequences, including powerlessness and lack of access to good jobs with fair pay, quality education, housing, safe environments, and healthcare” (Robert Wood Johnson Foundation, 2017). Health equity will improve communities as a whole, but efforts focusing on marginalized populations should be the priority because they often experience discrimination or exclusion from society and the resources that ensure a healthy life (Robert Wood Johnson Foundation, 2017).

Health equity and health disparities are closely linked. Health equity is the “ethical and human rights principle that motivates us to eliminate health disparities…” (Robert Wood Johnson Foundation, 2017). Health equity can be described as a process and as an outcome, meaning health equity can be used to reduce health disparities and to end all health disparities (Robert Wood Johnson Foundation, 2017).

The Bay Area Regional Health Inequities Initiative (BARHII), a coalition in San Francisco, focuses on how local health departments can advance health equity. They created a conceptual framework that illustrates the connection between social inequalities and health (BARHII, 2015). By focusing upstream on social inequities, institutional inequities, and living conditions, health inequities can be reduced through improved policy. Graphic 3 below is the framework created by BARHII.
Graphic 3: A Public Health Framework for Reducing Health Inequities
Equity is not the same as equality; those with the greatest needs and the least resources require more, not equal, effort and resources to equalize opportunities” (Robert Wood Johnson Foundation, 2017).

Social Determinants of Health Inequities

The World Health Organization (WHO) provides a framework for understanding the social determinants of health inequities. Central to this framework for understanding the social and political context (such as public policies and cultural norms) is shaping and defining social hierarchies related to social class, socioeconomic position, gender, and race/ethnicity. This includes considering relationships of power and differential access to resources and privilege.

Social stratifications shape and influence our material circumstances (such as living and working conditions and access to food); interactions with health systems; individual behaviors; and biological and psychosocial factors that affect health equity across populations and geographies.

Health Equity in Wood County

Across Wood County, there are significant differences in health outcomes from one zip code to the next and among racial, ethnic, and socioeconomic groups. For example, Native Americans, Hispanics/Latinos, Blacks, and those living in poverty have consistently faced barriers to opportunities and good health due to a history of unfair laws and practices. Graphic 5 offers an overview of health equity in Wood County.
SOCIAL DETERMINANTS OF HEALTH PRIORITIES

The following health issues were repeatedly mentioned during primary and secondary data collection:

1. Housing
2. Access to Health Care
3. Safety
4. Transportation
5. Poor Economy

These issues represent physical and social environments that impact individuals’ overall health and well-being. Traditionally, we know we need to eat healthy, exercise, and not use tobacco to stay healthy, but when we dig deeper it becomes apparent that housing, access to health care, safety, transportation, and the economy effect individuals’ abilities make healthy choices. Social determinants of health are described on pages 10-12 and it is important to research them and acknowledge their impact on the community’s overall well-being.
Housing is an important social determinant of health. Americans spend much of their time indoors within their homes (Braveman, Dekker, Sadegh-Nobari, & Pollack, 2011). There is ample research showing that housing impacts individuals’ risk of infectious diseases, chronic diseases, injuries, mental illness, as well as impact child development and nutrition (Whicher, Rosengren, Siddigi & Simpson, 2018). In recent years in Wood County, there has been more of a focus on having access to affordable and adequate housing. Wisconsin Rapids conducted a housing survey in 2016, which revealed that 42% of residents spend more than 30% of their yearly income on housing (City of Wisconsin Rapids, 2016). The housing study also revealed those who do not own homes feel they cannot afford one due to debt or not having enough money for a down payment.

Six out of 33, or 18%, of key informants believe housing and homelessness are problems in Wood County. Participants mention that the current available housing is old, unkempt, and worsening in quality. Additionally, participants believe that current housing options are not affordable and there is a lack of variety.

The results of the community health assessment survey echoed the key informant interviews. Of the survey participants, 38% either strongly agreed or agreed that housing is affordable (for either renting or buying), and 29% either strongly disagreed or disagreed to this statement. Participants generally felt that it is not easy to find housing and there are not enough options available for renting, but that there are enough buying options. Figure 35 shows the percentages of survey respondents who agree and disagree with various statements about housing.
Severe housing cost burden occurs when half or more of an individual’s income goes towards housing. People who face severe housing cost burdens are likely having to sacrifice other basic necessities such as food, clothing, transportation, and medical care to cover the cost of their housing (Office of Policy Development and Research, n.d.). In Wood County, 1 in 10 residents experience severe housing cost burdens, which means these individuals are less likely to be able to accumulate wealth and more likely to experience financial insecurity (U.S. Census Bureau, n.d.a.). One of the primary factors contributing to this issue is that wages are not increasing at the same rate as housing costs (Office of Policy Development and Research, n.d.).
Home ownership and stable housing are associated with several positive factors, such as higher levels of educational attainment, increased civic engagement, better physical and psychological health outcomes, and better educational performance among children. Home ownership and stable housing decrease the rates of crimes within a neighborhood and the use of government assistance, while also providing families and individuals a way to build wealth (National Association of Realtors, 2016). Figure 37 shows that in Wood County, 73% of housing units are occupied by the owner, which is higher than in Wisconsin overall, where 67% of housing units are occupied by the owner. While home ownership is important, the quality of homes is also important and has an impact on the health of individuals who reside in those homes (U.S. Census Bureau, n.d.b). In Wood County, 11% of households have at least one of the four following issues: overcrowding, high housing costs, lack of kitchen, or lack of plumbing (Office of Policy Development and Research, 2018). Living conditions and built environment available significantly impact the health of individuals and communities.
Clinical care, including access to health care, only accounts for 20% of a person’s health (County Health Rankings, n.d.). Access to care was discussed in key informant interviews and specific barriers to access were identified, including long wait times, co-payments, high deductibles, lack of insurance, and residents being unaware of the resources that are available to them. Four out of six community conversation groups discussed barriers to accessing health care, specifically around transportation.

Of those who participated in the community health assessment survey, 48% strongly agree or agree that access to health care is an issue. Chart 35 shows the percentage of people who agree that the factors specified in the chart contribute to residents’ ability to stay healthy with regard to access to health care.

Thirty-nine percent of the community survey participants also believe having limited access to transportation contributes to residents’ inability to access health care.

Chart 35: Percentage of responses by identified barrier to accessing care from the 2019 Wood County CHA survey

<table>
<thead>
<tr>
<th>Barriers</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lack of or limited knowledge of services</td>
<td>52%</td>
</tr>
<tr>
<td>Lack of psychiatrists, mental health counselors, &amp; substance abuse counselors</td>
<td>58%</td>
</tr>
<tr>
<td>Long wait times</td>
<td>36%</td>
</tr>
<tr>
<td>Tough choices (medicine or food)</td>
<td>58%</td>
</tr>
<tr>
<td>Understanding health insurance</td>
<td>47%</td>
</tr>
<tr>
<td>Cost of co-pays &amp; deductibles</td>
<td>62%</td>
</tr>
</tbody>
</table>
ACCESS TO CARE

Without access to health care providers – whether that be a primary care provider, mental health practitioner, or dentist – residents may miss out on key preventive services and screening windows for early detection of disease (Centers for Disease Control and Prevention, 2017b). Although seeing a healthcare provider does not necessarily prevent disease, early detection and increased time between detection and symptoms can allow for earlier treatment and possibly opportunities to cure a disease that may otherwise be incurable if detected in later stages.

It is important to highlight the deficit of providers in proportion to residents in Wood County because this can hinder one’s ability to access services. Since there is limited funding for bringing in necessary providers, particularly for specialties in rural areas, it is especially important to implement community initiatives that reduce the risk of disease and its impact on the community. Figure 9 shows the ratio of Wood County residents per provider type from 2016-2018 (Health Resources and Services Administration, n.d. & County Health Rankings & Roadmaps, 2019a).
With the expansion of the Affordable Care Act, many previously uninsured individuals now have access to health insurance (Centers for Disease Control and Prevention, 2017b). Despite this, not everyone in Wood County has health insurance. Those seeking medical treatment who are uninsured must take on the entirety of the financial burden associated with the cost of care.

Chart 36 shows the percentage of those under age 65 in Wood County and Wisconsin who were uninsured from 2012 through 2016 (U.S. Census Bureau, 2018). Individuals may choose not seek services or treatments if they are unable to afford the ever-increasing costs of prescriptions and procedures. On the other hand, if uninsured individuals do choose to absorb the cost, they may have to sacrifice other necessities to afford the needed medical care.

Other important considerations that are not reflected within these data are the issues associated with being underinsured, which is when an individual’s insurance plan has high cost sharing that results in health care services being unaffordable and inaccessible (Burns, J., 2017). Again, this often forces underinsured and uninsured individuals to make possibly life-threatening decisions due to limited financial resources.
There are several important components that go into beginning a journey toward recovery from mental illness and substance use disorders, such as remaining hopeful, being part of a community with peer support, remaining sober, and receiving professional treatment (National Alliance on Mental Illness, n.d.). Though receiving treatment for a mental illness or substance abuse disorder will not necessarily cure it, this is the foundational component most people to start with for recovery. Many residents living in Wood County are diagnosed with a mental illness or substance use disorder but are not receiving treatment. Chart 37 breaks down the percentages of Wood County residents living with a mental illness who are not receiving treatment by age group (Wisconsin Department of Health Services, Division of Care and Treatment Services, 2017).

Common reasons insured residents living with a diagnosis are not receiving treatment include restrictive health insurance networks and unaffordable high deductibles (National Alliance on Mental Illness, 2017). Regardless of insurance status, if an individual does not have reliable transportation, is put on a waiting list, is currently struggling due to their diagnosis, or is limited by time constraints (for example, if they are unable to take time off from work or raising children or if health systems have limited hours of operation), they are less likely to make it to appointments or even schedule them. Those living with untreated mental illness or a substance use disorder are more likely to experience homelessness, be incarcerated, be victimized, engage in episodes of violence, exhibit suicidal behaviors, and have worse physical health outcomes (Mental Illness Policy Org, n.d.). Ultimately, residents living with a mental illness or substance use disorder who lack resources are less likely to have success in their recovery and are more likely to suffer from the often severe consequences of being untreated.
The community health assessment survey showed interesting results with regard to safety in Wood County. In the key informant interviews and community conversations, Wood County’s low crime rates were identified as a positive contributor to community safety, yet drug-related safety issues were recognized as contributing negatively to community safety.

In the community health assessment survey, 53% of participants strongly agreed or agreed that safety is a problem in Wood County. This survey also asked participants how concerned they were about safety in their own neighborhoods, as well as about safety in their community. When people were asked about the safety in their own neighborhoods, they were generally much less concerned than when asked about the safety of their community.

Chart 38 shows participants are nearly two times more concerned about the safety of their community as a whole than their own neighborhood. This can be interpreted as a perception that Wood County is more dangerous than it actually is.
Violent crime threatens the physical safety and well-being of communities and individuals. Living in environments and being exposed to high crime rates can decrease opportunities for community members to live healthy lifestyles, for example by not enabling residents to safely engage in outdoor physical activity. Exposure to crime, violence, and trauma is also associated with increased stress. Chronic stress, or experiencing stress often and consistently over time, may increase an individual’s risk of chronic diseases, hypertension, obesity, and mental illness (County Health Rankings & Roadmaps, 2018b). As shown in Graphic 10, the rate of violent crime in Wood County is significantly lower compared to Wisconsin and the U.S. overall (County Health Rankings, 2018).
Cyberbullying, or bullying that occurs through digital devices such as cell phones and computers, can include "sending, posting, or sharing negative, harmful, false, or mean content about someone else," which is meant to cause embarrassment or humiliation (U.S. Department of Health and Human Services, n.d). About 1 in 5 students in Wood County reported having been cyber bullied (Wisconsin Department of Public Instruction, 2015).

While bullying in general is an issue, with the increased use and access to digital devices and the internet, cyberbullying has become a growing problem. This relatively new form of bullying is associated with poor mental health outcomes, decreased academic achievement, health complaints, substance use, and suicidal behavior.

Chart 38 shows the percentage of Wood County students in 10th and 12th grade who reported being bullied in 2015 and 2017 (Wisconsin Department of Public Instruction, 2015 & 2017). Parents should try to remain aware of what their children are doing online, monitor their usage and content, and take appropriate action such as talking to their child or reporting inappropriate behavior (United States Department of Health and Human Services, 2017).
Injuries, both unintentional and intentional, are one of the leading causes of death in the U.S. In the U.S. in 2016, unintentional injuries were the third leading cause of death, and intentional injuries were the tenth leading cause of death.

Unintentional injuries may include poisoning, motor vehicle traffic deaths, and falls. Intentional injuries may include firearm suicides, suffocation suicides, and firearm homicides (Centers for Disease Control and Prevention, 2017c). In 2017, Wood County experienced higher rates of injuries (524 per 100,000) compared to Wisconsin overall (457 per 100,000) (Wisconsin Department of Health Services, 2019d).

Falls are a serious health issue and can be prevented if addressed appropriately. Annually, one in four people age 65 or older has a fall (Wisconsin Institute for Healthy Aging, n.d.). Chart 40 shows that from 2014 to 2016 in Wood County, 115 people per 100,000 who were 65 years or older died due to a fall (Wisconsin Department of Health Services, 2019e). It is important to address falls to prevent injury and death.

Safety, whether it is community safety or individual safety, significantly impacts health and well-being. As shown by the community health assessment survey, Wood County residents perceive the community overall to be less safe than their own neighborhoods. Aside from crime that contributes to the safety of communities, injuries (intentional and unintentional) and falls also impact an individual’s safety in their own home and out in the community. It is important to address all levels of safety, many of which are preventable, so that individuals and communities can be safe as well as feel safe.
Transportation systems influence how communities are designed and operate and thus can impact public health negatively or positively. Transportation connects people to places where they live, work, and play. While the current transportation system in Wood County has increased mobility and access for people and communities, it still heavily supports motorized transportation, which negatively impacts health in many ways, such as through poor air quality, traffic crashes, and less active lifestyles.

In the community health assessment survey, participants were asked to rank the traffic and roads in their community on a scale from “Excellent” to “Poor”. Community members ranked road maintenance/repair, access to sidewalks (condition or availability), streetlights, handicap accessibility, and bike paths, which is shown in Chart 42. The quality, condition, and accessibility of all these elements of a transportation system is important to residents’ health and safety. Over three quarters of participants ranked road maintenance and repairs as “Poor” or “Needs Improvement”, indicating this as a community health need. Of the 33 key informant interviews conducted, 20% key interviews mentioned transportation. Likewise, five out of the six community conversations identified transportation issues and needs.

*Chart 42: Percentage of participants who ranked the quality and accessibility of transportation systems in their community*
Compared to Wisconsin overall, Wood County has a slightly higher percentage of residents who live in rural areas, as shown in chart 42 (U.S. Census Bureau, n.d.b). While Wood County residents have a shorter work commute time (20 minutes) compared to Wisconsin (22 minutes) and the United States (26 minutes), people who live in rural areas generally tend to travel further than those who live in urban areas (U.S. Census Bureau, 2017). Rural residents are also more likely to not have access to public transportation. The limitation in transportation options can impact access to resources such as physical activity options, healthcare, job opportunities, and growing or purchasing healthy foods.

Due to limited transportation choices, the most common form of transportation for work in Wood County in 2017 was driving alone, followed by carpooling and walking, as displayed in Chart 44 (U.S. Census Bureau, n.d.c). Only 1% of residents used a taxi, motorcycle, public transportation, or other methods of transportation. The lack of transportation choices available not only limit access to resources, but also creates a less healthy environment.
About 80% of Wood County workers have access to at least two vehicles, and while this seems positive in terms of people being able to commute to work, motorized transportation is a major source of environmental pollution (U.S. Census Bureau, 2017; World Health Organization, n.d). Transportation-related air pollution has been linked to premature death and other health conditions such as asthma, lung cancer, stroke, diabetes and obesity. Addressing transportation-related pollution is important for improving air quality and reducing the consequential negative impacts on public health (World Health Organization, n.d).

The availability, affordability, accessibility, and quality of transportation options have significant impacts on public health. People who live in rural areas experience health disparities due to a lack of transportation options and the reliance on motorized transportation that is linked to poor health. When health is prioritized in transportation policy, planning, and design, the results can help reduce air pollution, prevent traffic injuries and deaths, and reduce the prevalence of chronic diseases (Centers for Disease Control and Prevention, 2011).

Table 2: Percentage of workers in Wood County with access to Vehicles (U.S. Census, n.d.a).

<table>
<thead>
<tr>
<th>No vehicle available</th>
<th>2.3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 vehicle available</td>
<td>18.1%</td>
</tr>
<tr>
<td>2 vehicles available</td>
<td>43.2%</td>
</tr>
<tr>
<td>3 or more vehicles available</td>
<td>36.3%</td>
</tr>
</tbody>
</table>

Wood County Community Health Assessment
There is a strong relationship between health and economic factors such as income, job opportunities, and wealth. A good economy is associated with “better nutrition, enhancements in public health infrastructure and more effective medical technology” (Frakt, 2018). Generally, countries with higher average incomes tend to have citizens and residents who live longer (Frakt A., 2018).

Poor economy was one of the top challenges identified in the key informant interviews and community conversations for Wood County. In the key informant interviews, 19 out of 33 participants mentioned poor economy as a challenge in Wood County. Poor economy included issues such as a lack in diversity of the job industry, inability to attract and retain young professionals, business closures, lack of jobs with livable wages and benefits, and lack of necessary skills and education among job candidates. In the community conversations, 5 out of 6 groups identified poor economy as a challenge.

In Wood County, 1 in 10 residents live below the poverty level, as illustrated in Chart 45 (County Health Rankings and Roadmaps, n.d.). The ability to access goods, afford insurance, proper health care, and stable housing can greatly affect a person’s quality and length of life. However, the ability to access these resources is greatly affected by socioeconomic status, race, and ethnicity. This difference in access results in individuals living in poverty and having low-educational attainment (Goodman & Conway, 2016).

Having resources such as a stable income and savings allows an individual to access healthcare, purchase a home, and meet other needs that may arise in their life. However, those living below the poverty level will need to make decisions day by day on necessities that they are willing to sacrifice to make ends meet.

Stress from financial issues, the inability to meet needs, and having little to no access to healthcare can reduce an individual’s quality and length of life. Unfortunately, since there are differences in access to resources by socioeconomic status, race, and ethnicity, individuals of less privilege will experience the negative impacts of poverty more than their white and/or more educated counterparts (Goodman & Conway, 2016).
Children who live in poverty are at an increased risk of experiencing poor health and developmental outcomes. Additionally, children living in poverty may experience lasting impacts on their education, health, and incomes well into adulthood (Centers for Disease Control and Prevention, 2018e). The increased risks of different health problems into adulthood include unintentional injuries, physical abuse, mental health issues, and chronic conditions such as asthma, obesity, and diabetes (United States Census Bureau, 2018d). In Wood County, 14% of children live in poverty, as shown in Chart 46.
The unemployment rate for Wood County is higher than that for Wisconsin overall and matches the rate for the United States. Individuals who are unemployed are more likely to live in poverty and lack access to health care since they do not have livable wages or benefits, meaning they cannot afford the costs of basic necessities such as food, health care, rent, transportation, childcare, and taxes (American Public Health Association, 2016). Without a livable wage, an individual is likely going to have to make decisions regarding where to spend their income, and as a result, they may have to sacrifice some basic necessities to afford others. Usually the necessities that are given up will negatively affect the individual’s health and quality of life (American Public Health Association, 2016). Jobs without benefits, such as sick leave or health insurance, can increase stress on an individual and their family. The individual may have to make a choice between staying home to take care of themselves or a family member and risk loss of employment or they work despite being sick. Choices like these can lead to high levels of stress and early onset of chronic disease. Availability of jobs with livable wages and benefits differs by socioeconomic status, race, and ethnicity, which leads to inequitable barriers for individuals of lower socioeconomic status and/or non-white populations from attaining these jobs. These barriers can lead to higher rates of the negative health consequences among non-white and lower socioeconomic populations (American Public Health Association, 2016).
FURTHERING HEALTH EQUITY

This CHA identifies the inequities perpetuated by social determinants of health as issues that cut across all three health priorities. For example, the data show poverty is an underlying contributor to poor mental health, alcohol and other drug addiction, and lack of access to healthy food and physical activity, all of which constitute health inequities. Evidence shows a strong relationship between income and life expectancy. In Wood County, life expectancy increases as income increases. A higher income increases people's ability to access the essential elements needed for a healthy life, such as safe living conditions, healthy food, quality health care, and education. Taking this example of poverty in Wood County one step further, poverty rates also differ by race and ethnicity.

A long history of discrimination and structural racism has contributed to the wealth gap among people in America. Race-based unfair treatment is built into institutions, policies, and practices. For example, residential segregation, discrimination in bank lending based on neighborhood, unfair hiring practices, and discriminatory policing and sentencing practices all continue to play a major role in wealth inequality between people of color and white people in the United States and locally (Winnebago County, 2019). In Wood County, 32% of Hispanic children are living in poverty compared to 18% of Black children and 14% of White children. This is a health disparity, because the difference between populations is unfair, avoidable, and rooted in social injustices such as institutionalized and systemic racism.

The World Health Organization (WHO) emphasizes the importance of promoting health equity through action on social determinants of health (World Health Organization, 2008). Health equity means that everyone has a fair chance to be as healthy as possible regardless of race, ethnicity, socioeconomic status, geographic region, etc. As we move forward, it will be essential to support coalitions in incorporating a health equity approach to eliminate institutional inequities. Examples how to continue to operationalize and address health equity include:

- Reviewing goals and objectives for opportunities to further health equity in the Community Health Improvement Plan and internal organization strategic planning
- Requesting health organizations and community partners to review and update current policies for more equitable language and system practices
- Empowering communities and working alongside community members to create change amplifying their voices and promoting their input and involvement in decision-making
- Conducting Health Impact Assessments to understand the equity impacts of proposed policies and plans
- Partnering with other health partners, organizations, and community groups to share strategies as they relate to upstream policy, systems, and environmental changes to eliminate inequities
HEALTH PRIORITIES

The top community health priorities identified by Wood County Health Department, Marshfield Medical Center, and Aspirus Riverview Hospital are listed below by organization.

Wood County Health Department (WCHD)
- Substance Use
- Behavioral Health (Mental Health)
- Active Communities and Community Food Systems

Marshfield Medical Center (MMC)
MMC plans to address most of the health priorities that were identified through the CHA. While labeling of the health priorities are different than what is included in this CHA report, MMC has chosen to label the health priorities to align with Marshfield Clinic Health System’s Community Health Priorities.
- Alcohol and Substance Abuse
- Behavioral Health
- Chronic Disease

Significant Health Needs Not Being Addressed by MMC
MMC will not be directly addressing “Active Communities” because Healthy People Wood County’s Recreate Health Coalition is leading active communities efforts in Wood County in partnership with various other organizations. MMC will be an engaged partner supporting the efforts of Recreate Health.

Aspirus Riverview Hospital
- Substance Use
- Behavioral Health
- Active Communities and Community Food Systems

Significant Health Needs Not Being Addressed by Aspirus Riverview Hospital
Aspirus Riverview Hospital plans to address all three health priorities identified through the Wood County Community Health Assessment.
HEALTH PRIORITY 1: SUBSTANCE USE
According to the primary data, substance use was the top health priority in Wood County with over 54.5% of key informants, and four out of six community conversations, stating substance use was a problem in Wood County. In addition, 95% of Community Health Assessment survey participants strongly agreed or agreed that substance use was a serious health concern. Substance use was also the most commonly written response in the open-ended question of the survey. The secondary data analysis echoes the findings from the primary data.

**Alcohol**

Alcohol is the most commonly misused substance and cause for addiction in Wisconsin (Wisconsin Department of Health Services, Division of Care and Treatment Services, 2017). Binge drinking (one occasion consisting of four or more drinks for women or five or more for men) in Wisconsin is significantly higher than the national average. In 2017, 24.6% of Wisconsin adults reported binge drinking compared to 16.9% in the United States. This gap decreased slightly in 2018, with 22.7% of Wisconsin adults reporting binge drinking, compared to 17.4% of United States adults. Wood County had a higher rate of their population served by county human services departments and community programs for substance use services compared to Wisconsin overall. Wood County served 9.3 people per 1,000 in 2015 and 9.2 people per 1,000 in 2016, compared to 5.7 and 5.4 people per 1,000, respectively, at the state level (Wisconsin Department of Health Services, 2018a).

Alcohol impaired driving is a problem within Wisconsin as well as in Wood County. According to the Wisconsin Department of Transportation, in 2016 there were 5,153 alcohol-related crashes in the state, 143 of which resulted in death, and 2,933 of which resulted in injuries (Wisconsin Department of Transportation, 2016). In 2017, that number increased to 6,151 alcohol-related crashes, with 152 alcohol-related deaths and 2,465 alcohol-related injuries. Wood County had 61 alcohol-related crashes in 2017, with 5 fatalities and 30 injuries, compared to 65 alcohol-related crashes, no fatalities, and 34 injuries in 2016 (University of Wisconsin Madison, 2019).

In 2015, Wood County was ranked eighth among Wisconsin counties for all alcohol-related misuse indicators. These indicators are alcohol-related deaths, hospitalizations, traffic crashes, and traffic crash fatalities. There were 20 alcohol-related deaths per 1,000 people in Wood County in 2015 (Wisconsin Department of Health Services, Division of Care and Treatment Services, 2017).
Alcohol is the most commonly used and abused drug among youth in the United States. On average, youth tend to drink more than adults do in a single occasion. In fact, 11% of all alcohol consumed in the U.S. is by persons aged 12 to 20 years, with more than 90% of this alcohol being consumed in the form of binge drinks (Centers for Disease Control and Prevention, 2018a). Across the nation and in Wood County, youth underage drinking has been decreasing; this includes binge drinking.

There are several consequences for youth who drink alcohol compared to those who do not. Those who begin drinking before age 15 are four times more likely to develop alcohol dependence and are 2.5 times more likely to develop alcohol use disorder than those who begin drinking at age 21 (Grant & Dawson, 1997). Youth who drink are more likely to experience school problems such as absences and failing grades; legal problems such as arrests for drunk driving or harming others while drunk; unprotected sexual activity; memory problems; other drug addictions; and death (Centers for Disease Control and Prevention, 2018a).

Chart 6 compares results from the 2015 and 2017 Youth Risk Behavior Survey regarding high school students’ alcohol use.
Tobacco and Nicotine Delivery Products

Tobacco use remains the number one cause of preventable death and disease in the United States. Cigarette smoking is associated with increased risks of heart failure and cancer, the two leading causes of death in the United States. Smoking has remained a problem especially among marginalized populations such as those living with a mental illness, persons living in rural settings, individuals belonging to the Lesbian, Gay, Bisexual, Transgender, Queer, Plus (LGBTQ+) population, and non-white populations. Higher rates of smoking among marginalized populations can be attributed to media campaigns that target advertisements to specific demographics (Truth Initiative, 2017). This can lead to not only higher rates of smoking among these populations, but also higher rates of heart disease and cancer.

Since the adoption of Wisconsin Clean Indoor Air Laws in 2010, the state has seen an overall decrease in tobacco use rates. Consequently, tobacco companies have shifted their focus to the electronic cigarette (e-cigarette) market, which the U.S. Food & Drug Administration (FDA) has confirmed is marketing directly to youth and does not have the flavor ban that cigarettes have (for example, flavors such as cotton candy and gummi bear are unrestricted in e-cigarette liquids). Surgeon General Jerome Adams has declared an e-cigarette epidemic among youth.

E-cigarette use among Wisconsin high school students increased 154% between 2014 and 2018 (Wisconsin Department of Health Services, 2019). Nationwide, e-cigarette use increased 78% among high school students in one year, from 11.7% in 2017 to 20.8% in 2018.
More than 3.6 million U.S. youth were using e-cigarettes in 2018, which equates to 1 in 5 high school students and 1 in 20 middle school students. Nicotine exposure during adolescence can harm the developing brain, which continues to develop until around age 25, and can impact learning, memory, and attention (Surgeon General’s Advisory on E-cigarette Use Among Youth, 2019). Moreover, youth who use e-cigarettes are more likely to begin using conventional cigarettes than their non-smoking peers (Truth Initiative, 2019).

Chart 8 represents self-reported data from 10th and 12th graders in Wood County Schools. Although e-cigarette use shows a decrease in Wood County from 2015 to 2017 (Chart 8), numbers are anticipated to increase in 2019. The School Resource Officer (SRO) at Wisconsin Rapids Lincoln High School reported 98 citations for tobacco and nicotine delivery product (e-cigarette) use during the 2018-2019 school year, with only one of those related to cigarette use, and the rest being e-cigarette use. Of those incidents, the SRO stated roughly 18 to 19 were repeat offenders who were “self-medicating”.

Chart 8: E-cigarette Use in Wood County 10th & 12th Graders in the Past 30 days

<table>
<thead>
<tr>
<th>Year</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>22%</td>
</tr>
<tr>
<td>2017</td>
<td>11%</td>
</tr>
</tbody>
</table>
Marijuana

A decreased perception of the risk of marijuana use is especially important, as the use of delta-9-tetrahydrocannabinol (THC) is becoming harder to detect when used in e-cigarettes and edibles. According to the 2017 Youth Risk Behavior Survey, 25% of Wood County 10th and 12th grade youth have used marijuana sometime in their life. Chart 9 shows the percentage of Wood County students in 10th and 12th grade who perceive using marijuana once or twice a week poses little to no risk (Wisconsin Department of Public Instruction, 2015 & 2017). Some marijuana products can have a potency of over 90% concentrated THC in today’s market, with Colorado concentrates averaging 68.6% in 2017 (Colorado Department of Revenue, 2018).
Marijuana usage among high school students has become increasingly normalized due to low perceived risk, the current movement of legalization, and media portrayals, especially compared to other drugs that youth use (Friese, 2017).

According to the 2017 Wood County Youth Risk Behavior Survey (Chart 11), students who use marijuana are more likely to use multiple times in a given month with almost 25% using 40 or more times within a 30-day period.

Rates of actual and perceived marijuana use among youth and adults is important as it causes physical and mental health consequences, including marked short and long-term effects on the brain. While it is more likely to happen with daily use, or if started at a young age, addiction can also develop. Marijuana can cause problems with memory, learning, and behavioral consequences that are compounded with the increasing concentration of THC found in present day marijuana (Wisconsin State Council on Alcohol and Other Drug Abuse, 2016).
Prescription Drugs (Opioids)

Opioids include prescription pain relievers such as morphine, hydrocodone, oxycodone, and codeine; synthetic opioids such as fentanyl; and heroin, among others (U.S. Department of Health & Human Services, 2019a; Centers for Disease Control and Prevention, 2018b).

Opioids are frequently used for pain, but it is common for individuals to develop tolerance, physical dependence, or an opioid use disorder, and misuse can result in overdose and death. Opioids are sometimes used in combination with other opioids or other drugs, either through prescriptions or misuse.

Opioids combined with benzodiazepines are particularly dangerous, increasing the risk of overdose and death (U.S. Food and Drug Administration, 2016). Opioids laced with fentanyl, a synthetic opioid, are currently the most prevalent cause of overdose deaths in the US.

Chart 12 shows the rate of opioid-related outcomes per 100,000 in Wood County and Wisconsin from 2013-2015 (Wisconsin Department of Health Services, 2017; 2018c). Antagonistic medications such as Naloxone can be administered to reverse the effects of opioid overdoses (SAMHSA, n.d.).

Early drug use may start as casual and develop into a substance use disorder, which may eventually result in an accidental overdose. Treating a substance use disorder is one of the primary methods of preventing drug overdoses (SAMHSA, n.d.).
Health Implications

Opioid use can cause significant health issues. Those who use opioids are at increased risk of infectious diseases such as Hepatitis C Virus (HCV) infection (with injections); injuries such as falls and drug impaired traffic crashes; and cardiovascular effects (Wisconsin Department of Health Services, 2016).

The U.S. Centers for Disease Control and Prevention (CDC) identified Wood County as vulnerable or at-risk of outbreak due to the rapid increase of Hepatitis C cases, which was above the state average in 2015. Those who inject drugs, including opioids such as fentanyl and heroin, are at increased risk of HCV infection, as it is easily transmitted.

Unlike Human Immunodeficiency Virus (HIV), HCV can remain infectious in liquids, syringes, and on surfaces for many weeks and transmission is difficult to prevent. During injection drug use, shared supplies such as needles, cookers, and cotton increase the risk of sharing HCV (Wisconsin Department of Health Services, 2016).

When infected with HCV, an individual can either experience acute or chronic hepatitis. Those experiencing an acute infection may experience symptoms such as fever, fatigue, nausea and vomiting, decreased appetite, abdominal pain, dark urine, grey colored feces, joint pain, and jaundice.

Usually acute infections naturally clear after six months. Those who experience a chronic infection may have recurring symptoms and may eventually have cirrhosis of the liver or develop liver cancer (World Health Organization, 2018a). Antivirals can help cure an individual infected with Hepatitis C. Chart 13 shows the number of new Hepatitis C cases in Wood County from 2013 to 2017 (Wisconsin Department of Human Service, 2018a).
The rate of drug arrests was higher in Wood County compared to Wisconsin overall in 2018, which is illustrated in Chart 14 (County Health Rankings and Roadmaps, 2018b). The higher rate in Wood County may be due to multiple factors, such as higher density of drugs being introduced into the community (supply), the overall rate of residents using drugs (demand) compared to Wisconsin overall, and local law enforcement's capacity to focus on drug enforcement.

The focus on drug enforcement has been proven to be more closely watched among marginalized populations, such as those of lower socioeconomic status or communities of color, which causes a greater disparity in health outcomes among these populations. Individuals recently released from incarceration have a nearly 13 times higher risk of dying (Gaiter, Potter, & O’Leary, 2006) and 130 times higher risk of experiencing a drug overdose (Silverstein, 2013), compared to the general population.

**Conclusion**

Substance use disorder is a problem that can impact people throughout their lives. Substance use often starts in adolescent years, develops into a substance use disorder, and creates numerous health complications in adulthood. A lifespan perspective is crucial in developing age-appropriate strategies to address substance use in the continuum of primary prevention, from early intervention and prevention strategies to cessation and addiction treatment. Not only does this illness affect the individual with the substance use disorder, but also their family, friends, and the entire community. Wood County residents recognize that substance use is a top health priority and secondary data supports this concern.
HEALTH PRIORITY 2:
BEHAVIORAL HEALTH
Behavioral Health (mental health) was the second highest health priority identified through primary data analysis. Three out of six community conversations and 42% of the key informants identified mental health as a priority. The Community Health Assessment survey showed 91% of participants strongly agreed or agreed mental health is a serious concern for Wood County. Mental health was the third most common response to the question, “what do you feel are the most serious health related concerns in Wood County?”

Adverse Childhood Experiences (ACEs)

Adverse Childhood Experiences (ACEs) are types of traumas that a person may experience during their childhood. These traumas are related to being abused, neglected, or exposed to risky behaviors such as drug use (Centers for Disease Control and Prevention, 2019a).

The number of ACEs an individual has experienced is determined through a 10-question survey. Higher scores increase an individual’s risk of having various chronic diseases later in life.

Preventing ACEs from occurring and building adolescents’ resilience can help reduce the impact of ACEs later in life (Centers for Disease Control and Prevention, 2019a). Chart 15 compares the breakdown of adults with ACEs between Wood County and Wisconsin overall (Wisconsin Department of Health Services, 2018).
Mental Illness among Adults

There is an increased risk among individuals living with mental illness to engage in substance use, risky behaviors, and suicidal ideation. Likewise, substance use is associated with an increased risk of individuals developing mental illnesses.

Symptoms and age of onset of mental illness, as well as the severity of mental illness, can vary. Those living with more severe mental illness have a greater risk of engaging in risky behaviors. The risk of mental illness increases for individuals who have experienced childhood trauma, such as an adverse childhood experience (Chariter & et al., 2009).

Graphic 6 illustrates that there is one serious mental illness diagnosis for every five mental illness diagnoses among adults (Wisconsin Department of Health Services, Division of Care and Treatment Services, 2017). Identifying the level of risk for individuals living in the community is a first step toward building resilience and healthy coping strategies within the community, especially for those living with a serious mental illness.
Mental Illness among Children

Mental illness and severe mental illnesses among children may be directly associated with trauma they have experienced in their life, such as one or more of the adverse childhood experiences (Chariter & et al., 2009). Chart 16 shows the prevalence of mental illness and severe mental illness among children in Wood County (Wisconsin Department of Health Services, Division of Care and Treatment Services, 2017).

Children experience significant growth both physically and mentally during childhood and adolescence. Just as physical growth can be stunted by poor nutrition. Mental growth can be stunted by substance use, a lack of nurturing caregivers, trauma, and living in a hostile environment (De Bellis & Zisk, 2014).

Chart 16: Prevalence of mental illness among children or a severe mental disturbance in Wood County, 2017

<table>
<thead>
<tr>
<th></th>
<th>Prevalence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children with any Mental Illness</td>
<td>2498</td>
</tr>
<tr>
<td>Children with Severe Mental Disturbances</td>
<td>1308</td>
</tr>
</tbody>
</table>
Mental Illness among Marginalized Populations

The rate of mental illness is highest among marginalized populations such as individuals experiencing homelessness, individuals incarcerated in county jails, and those who belong to the LGBTQ community. This is due to past trauma, discrimination, social isolation, segregation, lost freedom of choice, lack of access to resources, stigma, and racism, all of which occur more frequently in marginalized groups than among more privileged groups (Seng, Sperlich, Hamama, & Reed Meldrum, 2012). Chart 17 shows the populations with the highest rates of mental illness in Wisconsin (Wisconsin Department of Health Services, Division of Care and Treatment Services, 2017).

Within Wood County, one in three adults who live with a mental illness do not receive treatment. This could be due to several factors, such as transportation barriers (including long commutes, bad driving conditions, and lack of public transportation), forgetting appointments, substance use, stigma, lack of coverage, a shortage of mental health providers, and lack of affordable treatment options (Miller & Ambrose, 2019).

Adults with Mental Illness Being Served

Without access to treatment, healthy coping skills, and resilience, people living with mental illness may experience more frequent hospitalizations, co-occurring chronic diseases, higher risks of completing suicide, and overall shorter life expectancies (National Alliance on Mental Illness, n.d).

Chart 18 shows the percentage of Wood County adults with mental illness by the service type in 2017 (Wisconsin Department of Health Services, Division of Care and Treatment Services, 2017).
Suicide

Children and adolescents who live with a mental illness, have a history of substance use, and/or have experienced adverse childhood experiences are at the greatest risk of attempting and completing suicide (Centers for Disease Control and Prevention, 2018b).

To address the issues relating to suicide among youth, it is important to comprehensively examine all factors and life circumstances that are driving suicidal behavior. Building healthy coping skills, resilience, and support networks among youth can help them overcome adversity, cope with their mental illness, and grow into healthy young adults (Centers for Disease Control and Prevention, 2018c).

Chart 19 shows suicide trends of Wood County high school students in 2015 and 2017 (Wisconsin Department of Public Instruction, 2015 & 2017). From 2015 to 2017, suicidal behavior trends did not change significantly.

Conclusion

Behavioral health issues are incredibly complex and there is no simple explanation for what causes them, nor is there a simple solution to mitigate these issues within a community. Research on adverse childhood experiences can help explain the source of some behavioral health issues, rather than attributing these issues to an individual’s behavior. One in three adults within Wood County who have a behavioral health diagnosis are not being treated for it, partially due to a gap in services available in Wood County. Without the proper treatment and therapy, unaddressed behavioral health issues can increase the risk for developing substance use disorders and chronic diseases, and can even result in premature death. Wood County is ready to address this health priority by building resilience, decreasing the stigma around behavioral health issues, and finding new and innovative ways to address gaps in services.
HEALTH PRIORITY 3:
ACTIVE COMMUNITIES &
COMMUNITY FOOD SYSTEMS
The primary data indicate Active Communities and Community Food Systems as the third health priority for Wood County. According to the CHA survey, 61% of participants believe healthy food access and increasing physical activity is very serious or serious. Further, 34% of survey participants agreed there is a lack of access to healthy food and 33% agreed there are too many fast food restaurants in Wood County. Additionally, chronic disease due to poor physical environment and nutrition was the second most common response to the open-ended question, “What do you feel are the most serious health related concerns in Wood County?”

During two community conversations at the South Wood County Boys and Girls Club and the Aging and Disability Resource Center (ADRC), youth and clients talked about the importance of active communities. The community conversation with youth at the Boys and Girls Club talked at great length on the desire to have age-appropriate outdoor activities, such as a physical facility that provided them with a place to be active. The ADRC community conversation and key informant interviews discussed the importance of chronic disease prevention through physical activity and healthy nutrition.

Chronic illnesses such as heart disease, diabetes, and stroke are among the leading causes of death and disability in Wood County and Wisconsin overall. These illnesses can be prevented through physical activity and healthy food consumption, as well as by reducing tobacco exposure and excessive alcohol use. Environments and policies supporting physical activity help create active communities. Additionally, systems-level changes supporting community food systems help increase access to healthy food.

Healthy food consumption and physical activity are the two best prevention strategies to combat chronic illness. These two strategies alone can prevent and manage some of these most common health problems.

*Physical activity* is a preventive factor for many adverse chronic health conditions. Improving the environment for walking and biking, as well as increasing access to and opportunities for physical activity in the community, can help prevent chronic illness. Examples of how to promote active communities include: increasing infrastructure for biking and walking, implementing Complete Streets Policies, having bike share facilities, increasing recreation opportunities, developing way-finding/route systems, enhancing safety infrastructure and Safe Routes to School programming.

*Healthy food* provides a foundation for preventing chronic illness and promoting health. Increasing access to nutritious food options can be improved through a focus on Community Food Systems within: schools (Farm to School), hospitals (Farm to Hospital), worksites, community organizations (Community Food Center), grocery stores, hunger relief organizations, long-term/early childhood care facilities, farmers’ markets, restaurants/bars, and corner stores.
Increasing availability and affordability of healthy foods and physical activity are priority initiatives. Those with lower incomes are less likely to be able to purchase exercise equipment and gym memberships in order to partake in fitness activities. This is why it is important for communities to invest in outdoor recreation facilities that are free to the public, as well as programming that allows for sliding-scale or free memberships. It is also important for worksites and schools to prioritize physical activity initiatives through worksite and school wellness policies.

Likewise, those with limited incomes are more likely to experience food insecurity than those with higher incomes. Communities can help increase the availability of healthy foods by: working with food-chain distributors on a systems level, implementing policies that shift food purchasing priorities, increasing gleaning processes, developing farmer markets, and creating and promoting availability of processing centers for local foods. Communities can help increase the affordability of healthy foods by accepting different types of payment (such as FoodShare, WIC, and USDA Farmers Market Nutrition Program (FMNP)), and by introducing incentive purchasing programs in food retail locations. It is also important to note that lack of access to transportation, which is experienced more often by those with limited incomes, is a major barrier to being able to access healthy foods and physical activity opportunities.

Obesity

Worldwide obesity has nearly tripled since 1975. In 2016, more than 1.9 billion adults were overweight and, of these, over 650 million were obese. In addition, 41 million children (under the age of 5) and 340 million children and adolescents aged 5-19 were overweight or obese (World Health Organization, 2018b). Obesity and its precursor, overweight, are the result of greater energy input than output in the body, leading to increased percentages of body fat. Body Mass Index (BMI) calculations based on height, weight, and waist circumference are the most common screening tools to indicate excessive body fat.

Obesity contributes to an increased risk of several chronic diseases, such as heart disease, type II diabetes, cancer, high blood pressure, stroke, respiratory problems, and depression. There is evidence that healthy eating and physical activity can be preventative factors for obesity and being overweight, as well as several chronic illnesses. There is a broad range of obesity data reported for Wood County and differences in data depend on method of data collection and whether modeled estimates, actual BMI measurements, or abdominal obesity (waist circumference) assessments from population samples were used. Although these differences result in varying obesity rates, all reports indicate obesity is common in Wood County. Reports from health systems in Wood County for being overweight and obesity are not available at this time.

- **Survey of the Health of Wisconsin (SHOW):** 43% obesity rate in 2014 according to Body Mass Index (BMI) measurements (Bersch, LeCaire, Bajwa, & Maleck, 2011).

- **Wisconsin Behavioral Risk Factor Survey:** 32% obesity rate and 39% overweight rate from 2012 to 2015, and 25% obesity rate and 34% overweight rate from 2014 to 2016 (Centers for Disease Control and Prevention, 2019b).

- **County Health Rankings Report:** 24% obesity rate from 2003 to 2005, 34% obesity rate from 2011-2013, and 29% obesity rate from 2014 to 2016 (County Health Rankings & Roadmaps, 2019a).
Obesity data trends are shown in Chart 20. There has been a decrease in obesity rates in Wood County over the past few years, according to a recent report from the Centers for Disease Control and Prevention. In 2015, 29% of adult residents of Wood County are obese. This number does not include children or youth under the age of 18 who are obese.

In Wisconsin, the number of individuals of all ages who are overweight or obese continue to increase. In 2016, Wisconsin was ranked 23rd in the United States for the percentage (66%) of adults who were obese or overweight. In that same year, about 33% of Wisconsin high school students were overweight or obese.

Income is associated with longer life expectancies, as well as the corresponding protective factors that prevent chronic illness. As income increases, the rates of obesity decrease, physical activity increases, and smoking generally decreases. According to the Health Inequality Project, much of the life expectancy differences by income are attributable to differences in obesity, physical activity, and smoking (Chetty, 2016).

The World Health Organization (WHO) framework documents how health, such as obesity and physical activity, are shaped by material circumstances. For example, where people live can impact whether there is local access to fresh produce and safe places to be physically active. Social, economic, and public policies structure these opportunities inequitably across populations and geographies (Chetty, 2016).

Chart 21 details obesity by income quartile, with quartile 1 corresponding to the lowest income and quartile 4 corresponding to the highest income. Obesity is highest among the lowest income populations in Wood County (31%). There is a stepwise decrease in the rate of obesity as income increases in Wood County. The lowest obesity fraction was seen among those in the highest income quartile (22%).
Leaving Cause of Death

Deaths in Wood County increased from 800 in 2015 to 815 in 2017, resulting in a 2017 age-adjusted death rate of 710 per 100,000 population. This mortality rate is lower than that of Wisconsin overall, which is 724 per 100,000 population. Table 1 shows age-adjusted rates of leading causes of death (per 100,000 population) in Wood County and Wisconsin in 2015 and 2017 (Wisconsin Department of Health Services, 2018c). From 2015 to 2017, cancer rates have increased in Wood County, which is above the state average. Heart disease has also increased in Wood County, although averaging less than the state rate. (Environmental Public Health Data Tracker, n.d.b).

Table 1: 2015 and 2017 Wood County and State age-adjusted rates (deaths per 100,000 population) of leading causes of death – sorted by 2017 Wood County leading cause of death rates.

<table>
<thead>
<tr>
<th>Leading Cause of Death</th>
<th>2015 Wood County</th>
<th>2015 State</th>
<th>2017 Wood County</th>
<th>2017 State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>137.4</td>
<td>159.5</td>
<td>170.0</td>
<td>153.2</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>116.4</td>
<td>156.2</td>
<td>135.7</td>
<td>157.5</td>
</tr>
<tr>
<td>Accidents (unintentional)</td>
<td>50.5</td>
<td>49.0</td>
<td>50.8</td>
<td>57.9</td>
</tr>
<tr>
<td>Stroke</td>
<td>36.6</td>
<td>35.6</td>
<td>32.8</td>
<td>33.5</td>
</tr>
<tr>
<td>Alzheimer’s</td>
<td>23.8</td>
<td>27.5</td>
<td>29.2</td>
<td>31.6</td>
</tr>
<tr>
<td>Chronic lower respiratory</td>
<td>51.4</td>
<td>39.3</td>
<td>27.9</td>
<td>38.4</td>
</tr>
<tr>
<td>Influenza and pneumonia</td>
<td>16.8</td>
<td>14.2</td>
<td>19.0</td>
<td>12.9</td>
</tr>
<tr>
<td>Diabetes</td>
<td>19.3</td>
<td>19.4</td>
<td>13.9</td>
<td>19.4</td>
</tr>
<tr>
<td>Intentional self-harm (suicide)</td>
<td>15.5</td>
<td>14.6</td>
<td>12.8</td>
<td>15.2</td>
</tr>
</tbody>
</table>
Cancer

Cancer continues to be the leading cause of death in Wood County. Chronic diseases such as heart disease, diabetes, and stroke are also among the leading causes of death and disability in Wood County and Wisconsin overall, with significant increases in heart disease from 2015 to 2017. Other top causes of death in 2017 include accidents (unintentional), stroke, Alzheimer’s disease, chronic lower respiratory influenza and pneumonia, diabetes, and intentional self-harm (suicide).

The cancer death rate in Wood County continues to increase and is higher than the state average, with lung and bronchus cancer being the most commonly reported type. Smoking is the number one cause of lung cancer, followed by radon exposure, hazardous chemicals, particle pollution, and genetics (American Lung Association, 2017). Lung cancer trends are similar for Wisconsin overall. Lung cancer causes more deaths in Wisconsin than prostate, breast, and colorectal cancers combined (Wisconsin Department of Health Services, 2019b).

According to the Wisconsin Cancer Reporting System, between 2012 and 2016 the top four cancers in Wood County were lung and bronchus, breast, prostate, and colorectal. In total, between 2012 and 2016 there were 2,308 cancer cases reported in Wood County (Wisconsin Cancer Reporting System, 2019). Chart 22 shows the breakdown between types of cancer in Wood County.

According to the American Cancer Society, 84 Wisconsin residents are diagnosed with cancer every day and estimates for 2016 showed that 285,687 Wisconsin residents were living with a cancer diagnosis. In 2015, they also estimated that in 2016 alone, over 3,000 deaths would occur due to lung cancer (Wisconsin Department of Health Services, 2019b).

Cancer can be considered an ongoing condition because it can be monitored and treated, but it may never completely go away. Many factors contribute to a person’s risk of developing cancer, and tobacco cessation, healthy environments (work, home, and community), and access to healthy foods and physical activity can help reduce cancer incidences.

![Chart 22: Number of Cancer Cases in Wood County](chart22.png)

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**ACTIVE COMMUNITIES & COMMUNITY FOOD SYSTEMS**
Heart Disease

Heart attack and stroke are caused by blockages preventing normal blood flow to the heart and brain. These blockages are most commonly found to be caused by fatty deposits along the walls of blood vessels. Most heart diseases can be prevented and managed through a healthy diet and physical activity. Poor nutrition, inactivity, overconsumption of alcohol, and tobacco use can cause “raised blood glucose and blood lipid levels, as well as obesity. These immediate risk factors indicate an increased risk of developing a heart attack, stroke, heart failure, and other complications” (World Health Organization, 2017a). In addition to lack of physical activity and poor diet, the World Health Organization recognizes there are “causes of the causes”. These include social, economic, and cultural changes that support unhealthy environments, systems, and policies creating more opportunities for poor health choices as well as poverty, stress, and hereditary factors (World Health Organization, 2017).

According to the CDC, heart disease is the leading cause of death for people of most racial and ethnic groups in the United States, including African Americans, Hispanics, and whites. For Asian Americans, Pacific Islanders, American Indians, and Alaska Natives, heart disease is second only to cancer (Centers for Disease Control and Prevention, 2017a). Additionally, heart disease costs the United States an estimated $200 billion each year in healthcare services, medications, and lost productivity (Centers for Disease Control and Prevention, 2017a).

In 2015, Wood County had higher rates of heart disease and stroke hospitalizations compared to Wisconsin, shown in Chart 23. Heart disease rates continued to increase in Wood County in 2015 (Wisconsin Department of Health Services, 2018a).
Diabetes

Diabetes is a chronic illness related to high blood sugar levels. Obesity is the leading risk factor for Type 2 Diabetes. Complications may include heart disease, stroke, kidney failure, nerve damage, impaired vision and hearing, and lower-limb damage or amputation (Center for Disease and Control and Prevention, 2017b).

In Wood County, the percentage of adults who were diagnosed with diabetes decreased from 10% to 8%, but increased from 8% in 2013 to 9% in 2015, which was is comparable to 9% in Wisconsin.

It is also important to note many people are living with prediabetes or diabetes but are not yet diagnosed, and are therefore not included in the data on Chart 24. The CDC estimates 28% of Wisconsin adults have diabetes and do not know it, and 37% of Wisconsin adults have prediabetes (Center for Disease Control and Prevention, 2017f). According to the American Diabetes Association, diagnosed diabetes costs an estimated $5.5 billion dollars in Wisconsin each year in healthcare services, medications, and loss of productivity (American Diabetes Association, n.d.).
Food Insecurity

Healthy eating can reduce the risk for many chronic diseases. Food insecurity is the inability to consistently access affordable and nutritious food. In Wood County, 10% of residents (about 7,000) experience food insecurity. There are 809 square miles in Wood County and only one grocery store per 100 square miles, which is 1.5 grocery stores per 10,000 people (Wisconsin Food Security Project, n.d.).

Food insecurity contributes to chronic diseases and other health problems because it reduces access to healthy food (County Health Rankings, n.d.). Food insecurity may be persistent or occasional. Households must make difficult decisions with limited resources to meet basic needs, such as housing and health care, in addition to food.

Chart 25 shows the percentage of Wood County and Wisconsin residents who lack adequate access to food. From 2012 to 2016, Wood County has remained at 11% of the population with food insecurity, compared to Wisconsin, which has been decreasing from 13% in 2012 to 10% in 2016 (United States Department of Agriculture, 2018a).

Youth in Wood County are also facing food insecurity. According to the Wood County Youth Risk Behavior Survey (YRBS), there was a significant decrease among youth facing food insecurity. In the 2015 survey, 26% of high school students reported being hungry in the last 30 days, compared to 12% in 2017 (Wisconsin Department of Public Instruction, 2015 & 2017).
In Wood County, 72% of food insecure households were below 200% of the Federal Poverty Level (FPL) and would likely qualify for federal nutrition assistance (Feeding America, 2017). Chart 26 shows the percentage of households in Wood County and Wisconsin who live below 200% of the FPL. The FPL is determined by the Department of Health and Human Services to determine who would qualify for federal assistance programs (The George Washington University, Milken Institute School of Public Health, 2018). An individual living below 200% of the FPL would have an annual income of $24,280 or less, and a family of four living below 200% of the FPL would have an annual income of $50,200 or less. FPLs can change from year to year, which influences how many households can qualify for certain programs.

Food assistance is available through programs such as FoodShare Wisconsin (also known as the Supplemental Nutrition Assistance Program or SNAP), Women, Infants, and Children (WIC), Commodity Supplemental Food Program (CSFP), School Breakfast Program (SBP), National School Lunch Program (NSLP), and The Emergency Food Assistance Program (TEFAP), among others. FoodShare Wisconsin helps those with limited incomes to purchase food.
FoodShare Participation

FoodShare is a program that was created to help stop hunger and to improve nutrition and health among families in Wisconsin (Wisconsin Department of Human Services, 2019c). Chart 27 shows the percentage of adults and children who participate in the FoodShare program. More children participate in the program than adults. Wood County has a higher rate of adults and children participating in the FoodShare program than the state as a whole.

Chart 27: Percentage comparing adult and child FoodShare participants in Wood County & Wisconsin

<table>
<thead>
<tr>
<th></th>
<th>Adult</th>
<th>Child</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood County</td>
<td>18%</td>
<td>38%</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>14%</td>
<td>32%</td>
</tr>
</tbody>
</table>

Chart 28 shows that the number of the monthly FoodShare participants in Wood County has steadily decreased from 2014 to 2018, which is similar to the state overall (Wisconsin Department of Human Services, 2019c). This decrease was likely not due to fewer people needing assistance, but rather to a change in Wisconsin State Law in 2015 requiring anyone aged 18 through 49 who do not have any children under the age of 18 living in their home to meet work requirements in order to keep receiving FoodShare benefits, unless they qualify for an exemption. Additional data shows that decreases in poverty and increases in available jobs could also be a factor; however, livable wages are still a top priority and need in Wood County.

It is important to note that hunger relief services continue to experience increased rates of utilization for pantry, hot-meal, and school backpack programming. While state policies have implemented restrictive barriers to utilizing food relief services, local organizations have helped to fill the gap in these services.

Chart 28: Average Number of Monthly FoodShare Participants

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood County</td>
<td>11,550</td>
<td>10,602</td>
<td>9,563</td>
<td>8,959</td>
<td>8,437</td>
<td>8,130</td>
</tr>
</tbody>
</table>
Free and Reduced Lunch

Chart 29 shows the percentage of students on Free and Reduced Lunch in Wood County. South Wood County School Districts (Wisconsin Rapids, Nekoosa, and Port Edwards) have a higher percentage of students participating in the program than North Wood County School Districts. The percentage of students on Free and Reduced Lunch in Wood County increased in all Wood County school districts; however the largest increase from 2017 to 2018 was Marshfield (22% increase) (Wisconsin Department of Public Instruction, n.d.).

In 2018, the Wisconsin Rapids School District had four schools with 100% of their student body qualifying for Free and Reduced Lunch. Three of those were elementary schools (Grove Elementary, Howe Elementary, and Mead Elementary Charter School). The fourth school is River Cities High School, an alternative school. There are no other schools in Wood County where 100% of students qualified for the program (Wisconsin Department of Public Instruction, n.d.).
Women, Infants, and Children (WIC)

The Women, Infants, and Children (WIC) program is a supplemental nutrition program helping pregnant and post-partum mothers for up to six months or one year if they are breastfeeding and have children up to age five who meet certain income requirements. FoodShare income brackets are lower than those for WIC, so those who qualify for FoodShare and meet WIC requirements are eligible for WIC. In addition, infants less than one year old, and pregnant or six-month postpartum women who utilize BadgerCare, are also eligible for WIC.

The goal of WIC is to help pregnant women, new mothers, and infants and children stay healthy and strong. Goals are met by providing nutrition information, breastfeeding information and support, vouchers to buy food, and referrals to other community resources and providers. Chart 30 shows the number of WIC adult and child participants.

From 2017 to 2018, there was a decrease in the number of WIC adult participants and a slight increase among WIC children participants by 20 (Haessig, 2019).

Obesity rates among WIC women (adults prenatal/postpartum) was 34% in 2017 but increased slightly in 2018 to 39% (Wood County WIC, n.d). On the other hand, the percentage of children with obesity decreased from 16% in 2017 to 15% in 2018.

WIC Farmer’s Market Nutrition Program (FMNP) vouchers are given to Wood County WIC participants to use on locally-sourced fresh fruits and vegetables. In 2017, 54% of these farmer’s market vouchers were utilized, but that number decreased to 49% in 2018.
Of the key informant interviews, 12% discussed the importance of chronic disease prevention. The Boys and Girls Club community conversation group talked at great length about the importance of having physical activities and outdoor facilities for pre-teens and teenagers. This group came up with the idea to have an outdoor area available for pre-teens and teenagers because there was noted a lack of outdoor space for them to be active.

Chart 31 shows the percentage of Wood County residents across all age groups with lack of access to locations for physical activity compared to Wisconsin overall. In Wood County, 24% of residents lacked adequate access to locations to be physically active (County Health Rankings & Roadmaps, 2019b).

Being physically active reduces the risk of chronic disease. The built environment is important for supporting active living for residents. Having access to sidewalks, parks, recreational areas, biking and walking trails, and workout facilities, makes people more likely to be physically active. According to the 2018 County Health Rankings, residents are considered to have access to physical activity opportunities if they:

- Reside in a census block that is within a half mile of a park
- Reside in an urban census block that is within one mile of a recreational facility
- Reside in a rural census block that is within three miles of a recreational facility

Additional data indicates that 21% of Wood County adults 20 and older are not physically active.

At this time, data is not available to show the number of Wood County organizations with wellness policies in place. It is also important to note there is a lack of publicly available data regarding the number and utilization rates of free recreation programming as well as the number and miles of biking and walking infrastructure.

Chart 31: Lack of Access to Locations for Physical Activity
Conclusion

It is essential to work on preventing chronic diseases before they occur. Chronic diseases are some of the most “common and costly health problems, rarely cured, and often get worse over time” (Incourage, 2017a). Through the health assessment process, many participants highlighted the importance of eating healthy and being active, with special attention to access in terms of affordability and availability. Chronic diseases can be prevented by developing supportive environmental, policy, and systems changes. By supporting healthier food systems and active environments, additional benefits can be seen in improved mental health, social support, and social cohesion. An equity frame can mobilize stakeholders to make these environments more accessible to all.
COMMUNITY RESOURCES

Potential resources and assets in Wood County that will help address the joint health priorities for the Wood County Health Department, Marshfield Medical Center, and Aspirus Riverview Hospital include:

- Healthy People Wood County
  - Mental Health Matters Coalition
  - Recreate Health Coalition
  - Alcohol and Other Drug Prevention Partnership
    - Wood County Drug Task Force
- Aging and Disability Resource Center of Central Wisconsin
- Legacy Foundation
- Incourage
- Wood County Health Department
- Marshfield Clinic Health System
  - Marshfield Area Coalition for Youth
- Aspirus Riverview Hospital and Clinics
- Aspirus Riverview Foundation
- Marshfield Area United Way
- City of Wisconsin Rapids
- United Way South Wood & Adams Counties

This is not an all-inclusive list of agencies and organizations are vital to this work. There are other potential partnerships and other resources within Wood County.
RACISM IS A PUBLIC HEALTH CRISIS

Racism, defined as a “system of structuring opportunity and assigning value based on race, which unfairly disadvantages some individuals and communities and advantages others” is a public health crisis (Garcia & Sharif, 2015). Health disparities, which are differences in health due to unfair policies and practices, are avoidable and rooted in social injustices. Health disparities are often discussed within public health and health systems organizations, “yet, these topics are often discussed without explicit acknowledgment of their connection to racism. Undermining or disguising the impact of racism on racialized health disparities enables the perpetuation of these inequities. Moreover, to improve health outcomes, racism must be addressed not only by those whose work directly pertains to racialized health disparities or those who are racial/ethnic minorities themselves, but by all public health professionals” (Garcia & Sharif, 2015). Conversations about racism and health are not new; they have been ongoing for centuries. More recent examples of calls to action to address racism in public health are highlighted below.

In 2001, the American Public Health Association published policy number 20017, Research and Intervention on Racism as a Fundamental Cause of Ethnic Disparities in Health (American Public Health Association, 2001). This policy calls on national leaders to condemn and promote legal redress for past injustices, and explicitly to address racism, fund efforts to eliminate disparities, and further research on inequities.

Healthy People 2020, a ten-year national health improvement plan published in 2010, defines health equity as, “The attainment of the highest level of health for all people. Achieving health equity requires valuing everyone equally with focused and ongoing societal efforts to address avoidable inequalities, historical and contemporary injustices, and the elimination of health and health care disparities” (United States Department of Health and Human Services, 2010). While Healthy People 2020 does not explicitly call out racism as a cause of inequities, it does discuss avoidable inequalities and injustices, which is the first step toward declaring racism a public health crisis.

Most recently in 2018, the Wisconsin Public Health Association approved and published a resolution titled “Racism is a Public Health Crisis.” Core components to this resolution read, WHEREAS:

- Race is a social construction with no biologic basis; and
- racism is a social system with multiple dimensions: individual racism is internalized or interpersonal; and systemic racism is institutional or structural, and is a system of structuring opportunity and assigning value based on the social interpretation of how one looks, that unfairly disadvantages some individuals and communities, unfairly advantages other individuals and communities, and saps the strength of the whole society through the waste of human resources; and
- racism causes persistent racial discrimination in housing, education, employment and criminal justice; and an emerging body of research demonstrates that racism is a social determinant of health; and
- more than 100 studies have linked racism to worse health outcomes (Wisconsin Public Health Association, 2018).

This resolution is the first ever Wisconsin Public Health Association resolution to explicitly address racism’s direct connection to health. Individuals of all professions are called to act on and address social factors such as racism. In addition to the previously mentioned objectives, enhancing health equity through policy is an objective that has been implemented in Wood County.
HEALTH IN ALL POLICIES (HiAP)

One way to advance community health and improve health equity is by implementing Health in All Policies (HiAP). Government policies, sectors, and agencies shape our environment and the healthy choices available to us, which includes those related to housing, transportation, education, criminal justice, and natural resources, among others. A HiAP approach involves considering health in decisions across government sectors. Much of the foundation for implementing a HiAP approach has been established in Wood County as a result of the HPWC CHA/CHIP efforts over the last decade, including the development of strong cross-sector relationships, information gathering and sharing, staff capacity building, and the assessment of legal resources. (Wyss, Dolan & Goff n.d.)

In 2017, the City of Wisconsin Rapids was chosen as a participant for the Wisconsin Legacy Community Alliance for Health (LCAH) project through the UW-Madison School of Medicine and Public Health. Through this project, the goal was to improve health and health equity using a HiAP approach (Wyss et al., n.d.). A Health Impact Assessment (HIA) was completed. In the form of an Advisory Team, City staff and other community stakeholders received training and embarked on a process of discovery and concept development to identify what this program could look like locally. The team decided to develop a HIA Matrix, while concurrently conducting a series of Rapid HIAs on timely projects or developments in the community. The Advisory Team selected a prospective senior housing development as a viable choice for the first Rapid HIA because vulnerable populations would be affected, health was not explicitly incorporated into the planning process for the housing development, and the timeline of planning for the development aligned so that decisions could still be altered based on recommendations provided in the HIA.

Based on the results from the 2017 Wood County Community Health Assessment, the 2017 Incourage Community Survey, and the interests and concerns of the HIA Advisory Team, the scope of the senior housing development HIA examines availability of quality affordable housing, site design, and street and sidewalk design, as they each relate to active living, safety, and social cohesion + wellbeing. (Wood County Health Department, & City of Wisconsin Rapids, 2019).

From this initial HIA, recommendations and next steps were created and include:

- finalize the draft of the Health Impact Assessment Matrix and create a plan to operationalize its use;
- determine the next development, project, or program in the local landscape to serve as the focus of the next Rapid HIA;
- work with the county planner to incorporate a health chapter in the Wood County Comprehensive Plan;
- work toward adopting a HiAP city ordinance to systematically incorporate a health lens into all aspects of city government;
- consider including a standalone health chapter, or health language within each existing chapter, of the next city comprehensive plan update;
- continue to revisit monitoring and evaluation questions related to the process and impact of the HIA; and
- Explore other funding options going forward.

Through HiAP, we can improve community health in Wood County and make health equity a consideration across all policies.
COMMUNITY HEALTH IMPROVEMENT PLAN (CHIP)

Over the next three months, the Healthy People Wood County Steering Committee, along with community residents and partners, will develop an Implementation Strategy (IS) or Community Health Improvement Plan (CHIP) based on this CHA. The IS/CHIP will be evidence-based and will focus on upstream shifts in policy, systems, and environmental changes, as well as institutional and societal inequities. Included in this plan will be expected outcomes for each community issue being addressed, proposed evidence-based interventions with goals and objectives that will be tracked over time (including both process and outcome measures), as well as specification for who will be leading or responsible for the work. The HPWC Advisory Committee; the Aspirus Riverview Hospital and Clinics, Inc. Board; and the Marshfield Clinic Health Systems Board will formally approve the document. The Community Engagement Guide, developed by the Healthy People Wood County Team, will be used to ensure populations most impacted by health inequities are part of the implementation plan and solution.

MONITORING & EVALUATION

The IS/CHIP will be implemented over the next three years, 2019-2022, and will include outcomes and short-, medium-, and long-term goals. As the IS/CHIP is developed, a monitoring and evaluation plan will also be put in place to track progress and outcomes. Specific aims of the evaluation will include a) an evaluation of the process for implementing the IS/CHIP, including the participation of residents, key stakeholders, and organizations; b) an assessment of progress with changes in health outcomes identified in each work stream for the IS/CHIP workgroups; and c) additional achievements, highlights, and lessons learned from IS/CHIP.
APPENDIX 1: REFERENCES


Wood County Community Health Assessment


Wisconsin Department of Public Instruction. (2017b). Youth Risk Behavior Survey. Survey Results 2017


84 Wood County Community Health Assessment

Wood County Health Department. (n.d.). Wood County Health Department. Retrieved from https://www.co.wood.wi.us/Departments/Health/


APPENDIX 2: COMMUNITY HEALTH ASSESSMENT SURVEY

Wood County Community Assessment Survey
For all who live, work, and play in Wood County

Healthy People Wood County, Wood County Health Department, Appling Riverview Hospital and Clinics, and Mansfield Clinic Health System are working together to determine the health needs for Wood County.

If you have any questions about this survey or the Community Assessment Survey please contact Julie Outright at joutright@co.wood.wi.us or 715-421-8829. Thank you for taking the time to improve your community! ALL ANSWERS ARE COMPLETELY ANONYMOUS.

Directions: Please answer all questions to the best of your ability. There are no wrong answers!

1. What is your Zip Code? __________________________

2. What do you feel are the most serious health-related concerns in Wood County. (Please list up to 5).
   a. __________________________
   b. __________________________
   c. __________________________
   d. __________________________
   e. __________________________

3. What keeps people in Wood County from being healthy? (Check all that apply)
   □ Lack of or limited knowledge of services
   □ Location of services
   □ Lack of or limited transportation
   □ Inconvenient appointment times
   □ Lack of access to a doctor
   □ Feelings of being discriminated against (race, gender, sexual orientation, gender identity, weight, etc.)
   □ Unhealthy housing (exposure to lead, mold, and etc.)
   □ Inability to qualify for assistance, but still struggling
   □ Dangerous job
   □ Unsafe neighborhoods
   □ Language barriers
   □ Substance use (alcohol and other drugs)
   □ Lack of walking and biking trails
   □ Lack of access to healthy food options
   □ Too many fast food restaurants
   □ Not enough recreational activities opportunities
   □ Fear of deportation
   □ Lack of psychiatrists, mental health counselors, substance abuse counselors
   □ Long wait times for healthcare appointments
   □ Tough choices (e.g., pay for medicine or food)
   □ Difficult to understand health insurance policies, BadgerCare requirements, or where to go if no insurance

4. Please rank the following health-related issues on a scale of Very Serious to It’s not a Problem?

   Directions: Please look at each health-related issue and determine if they are very serious, serious, somewhat serious, least serious, or it’s not a problem. This is not a ranking. For example: if you believe Substance Abuse and Mental Health are both very serious check very serious for both.

<table>
<thead>
<tr>
<th>Substance Abuse (Alcohol and other drugs)</th>
<th>Very Serious</th>
<th>Serious</th>
<th>Somewhat Serious</th>
<th>Least Serious</th>
<th>It’s not a Problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental Health</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Healthy food access increasing physical activity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dental Care</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Access to Care</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sexual Health</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maternal &amp; Child Health</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Housing access, affordability, assure finding, &amp; etc.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5. What are THREE STRENGTHS of Wood County?
   1. _______________________________________
   2. _______________________________________
   3. _______________________________________
6. Thinking about your community, please rank the following...

<table>
<thead>
<tr>
<th>Traffic &amp; Roads</th>
<th>Excellent</th>
<th>Good</th>
<th>Needs Improvement</th>
<th>Poor</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road Maintenance/Repair</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Access to sidewalks (condition or availability)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Street Lights</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handicap Accessibility</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Pedestrian Crosswalks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bike Paths</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Any additional comments? (N/A if no comments)

7. Thinking about your specific neighborhood, please rank the following...

<table>
<thead>
<tr>
<th>Safety</th>
<th>Very concerned</th>
<th>Concerned</th>
<th>Somewhat concerned</th>
<th>Not concerned</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Speeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lack of Crime Patrols</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crime</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Related Crimes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Any additional comments? (N/A if no comments)

8. Thinking about your community overall, please rank the following...

<table>
<thead>
<tr>
<th>Safety</th>
<th>Very concerned</th>
<th>Concerned</th>
<th>Somewhat concerned</th>
<th>Not concerned</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Speeds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lack of Crime Patrols</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crime</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Related Crimes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Any additional comments? (N/A if no comments)

9. When thinking about your community, please rank the following...

<table>
<thead>
<tr>
<th>Housing</th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Neutral</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing is affordable (either renting or buying)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easy to find rental properties</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A lot of options for rentals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A lot of options for buying</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Housing options are safe and healthy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Any additional comments? (N/A if no comments)
10. Do you have any ideas on how to improve your community?

DEMOGRAPHIC QUESTIONS
Please tell us a little about yourself. This information will help us to see how different people feel about local health issues.

Questions 11-19 are optional, but highly recommended.

11. What is your sex?
   a. Female
   b. Male
   c. Prefer not to answer

12. How old are you?
   a. Under 18
   b. 18-24
   c. 25-34
   d. 35-44
   e. 45-54
   f. 55-64
   g. 65+
   h. Prefer not to answer

13. What is your race?
   a. White
   b. Asian
   c. African American / Black
   d. Hispanic or Latino
   e. Native American or Alaska Native
   f. Two or more races
   g. Native Hawaiian or other Pacific Islander
   h. Prefer not to answer

14. How many adults live in your household?
   a. 1
   b. 2
   c. 3-6
   d. 7+

15. How many children 16 and under live in your household?
   a. 0
   b. 1
   c. 2
   d. 3-6
   e. 7+

16. Do you:
   a. Rent
   b. Own
   c. Neither
   d. Other (please specify) ____________________________

17. What is your current employment status?
   a. Employed (Full time or part time)
   b. Self-employed
   c. Out of work less than 1 year
   d. Out of work 1+ years
   e. Homemaker or stay at home parent
   f. Student
   g. Retired
   h. Unable to work
   i. Other

18. What is your annual (yearly) household income?
   a. Less than $20,000
   b. $20,001 to $40,000
   c. $40,001 to $60,000
   d. $60,001 to $80,000
   e. $80,001 to $100,000
   f. Over $100,000

19. What is your sexual orientation?
   a. Heterosexual (straight)
   b. Homosexual (gay / lesbian)
   c. Bisexual
   d. Prefer not to answer
   e. Other (please specify) ____________________________

Thank you for your participation!

Survey Continues on next page
APPENDIX 3: COMMUNITY HEALTH ASSESSMENT
SURVEY RESULTS

The following tables show the number of people from which zip codes took the survey. Table 1 shows the zip codes with the most participants, whereas Table 2 shows those with lower participation. The zip code with the most participation is 54494 with 381 followed by 54449 with 191.

Table 1: Zip codes with higher participation

<table>
<thead>
<tr>
<th>Zip Code</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>54494</td>
<td>381</td>
</tr>
<tr>
<td>54449</td>
<td>191</td>
</tr>
<tr>
<td>54495</td>
<td>96</td>
</tr>
<tr>
<td>54457</td>
<td>47</td>
</tr>
<tr>
<td>54466</td>
<td>29</td>
</tr>
<tr>
<td>54469</td>
<td>26</td>
</tr>
<tr>
<td>54489</td>
<td>20</td>
</tr>
<tr>
<td>54410</td>
<td>12</td>
</tr>
<tr>
<td>54475</td>
<td>12</td>
</tr>
</tbody>
</table>

Table 2: Zip codes with lower participation

<table>
<thead>
<tr>
<th>Zip Code</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>54441</td>
<td>9</td>
</tr>
<tr>
<td>54412</td>
<td>8</td>
</tr>
<tr>
<td>54454</td>
<td>7</td>
</tr>
<tr>
<td>54481</td>
<td>6</td>
</tr>
<tr>
<td>54467</td>
<td>6</td>
</tr>
<tr>
<td>54436</td>
<td>3</td>
</tr>
<tr>
<td>54436</td>
<td>3</td>
</tr>
<tr>
<td>54443</td>
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</tr>
<tr>
<td>54455</td>
<td>2</td>
</tr>
<tr>
<td>54482</td>
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</tr>
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<td>54456</td>
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</tr>
<tr>
<td>54479</td>
<td>1</td>
</tr>
<tr>
<td>54413</td>
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<tr>
<td>54401</td>
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</tr>
<tr>
<td>54411</td>
<td>1</td>
</tr>
<tr>
<td>53934</td>
<td>1</td>
</tr>
</tbody>
</table>

The Community Health Assessment (CHA) survey asked, “What keeps people in Wood County from being healthy?” The following table shows whether participants agreed with the statement provided. Participants were able to check as many of the 24 different statements they agreed with. Yes indicated those who agreed with the statement and no indicated those who did not.

Table 3: Statements of what keeps people in Wood County from being healthy

<table>
<thead>
<tr>
<th>Statement</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lack of or limited knowledge of services</td>
<td>457</td>
<td>417</td>
</tr>
<tr>
<td>Location of services</td>
<td>181</td>
<td>693</td>
</tr>
<tr>
<td>Lack of or limited transportation</td>
<td>339</td>
<td>535</td>
</tr>
<tr>
<td>Inconvenient appointment times</td>
<td>147</td>
<td>727</td>
</tr>
<tr>
<td>Lack of access to a dentist</td>
<td>219</td>
<td>655</td>
</tr>
<tr>
<td>Feelings of being discriminated against</td>
<td>178</td>
<td>696</td>
</tr>
<tr>
<td>Unhealthy housing (exposure to lead, mold, etc.)</td>
<td>221</td>
<td>653</td>
</tr>
<tr>
<td>Inability to qualify for assistance, but still struggling</td>
<td>488</td>
<td>386</td>
</tr>
</tbody>
</table>
Participants were asked to look at nine different health-related issues and determine if they are very serious, serious, somewhat serious, least serious, or not a problem. Table 4 details the responses.

**Table 4: Health-related issue seriousness determined**

<table>
<thead>
<tr>
<th>Health-related issue</th>
<th>Very Serious</th>
<th>Serious</th>
<th>Somewhat Serious</th>
<th>Least Serious</th>
<th>It's not a problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance Abuse</td>
<td>690</td>
<td>146</td>
<td>31</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Mental Health</td>
<td>584</td>
<td>213</td>
<td>68</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Healthy food access / increasing physical activity</td>
<td>191</td>
<td>338</td>
<td>237</td>
<td>81</td>
<td>27</td>
</tr>
<tr>
<td>Dental Care</td>
<td>124</td>
<td>292</td>
<td>300</td>
<td>118</td>
<td>40</td>
</tr>
<tr>
<td>Access to Care</td>
<td>159</td>
<td>259</td>
<td>286</td>
<td>125</td>
<td>45</td>
</tr>
<tr>
<td>Sexual Health</td>
<td>108</td>
<td>238</td>
<td>312</td>
<td>164</td>
<td>52</td>
</tr>
<tr>
<td>Safety (falls, violence, bullying, community)</td>
<td>172</td>
<td>293</td>
<td>281</td>
<td>111</td>
<td>17</td>
</tr>
<tr>
<td>Maternal &amp; Child Health</td>
<td>144</td>
<td>246</td>
<td>290</td>
<td>146</td>
<td>48</td>
</tr>
<tr>
<td>Housing</td>
<td>162</td>
<td>273</td>
<td>270</td>
<td>133</td>
<td>36</td>
</tr>
</tbody>
</table>
Further, participants were asked to think about their community in regards to traffic & roads. They chose between the Likert scale of Excellent to poor with an option of N/A. N/A was added to the options because much of Wood County is rural where the question would not be applicable. Table 5 details the responses.

Table 5: Traffic & Roads in participant’s community

<table>
<thead>
<tr>
<th></th>
<th>Excellent</th>
<th>Good</th>
<th>Needs improvement</th>
<th>Poor</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road Maintenance / Repair</td>
<td>18</td>
<td>177</td>
<td>406</td>
<td>268</td>
<td>5</td>
</tr>
<tr>
<td>Access to sidewalks (condition or availability)</td>
<td>41</td>
<td>456</td>
<td>287</td>
<td>72</td>
<td>18</td>
</tr>
<tr>
<td>Street Lights</td>
<td>86</td>
<td>597</td>
<td>137</td>
<td>33</td>
<td>21</td>
</tr>
<tr>
<td>Handicap Accessibility</td>
<td>65</td>
<td>486</td>
<td>206</td>
<td>36</td>
<td>81</td>
</tr>
<tr>
<td>Bike Paths</td>
<td>72</td>
<td>565</td>
<td>181</td>
<td>32</td>
<td>24</td>
</tr>
</tbody>
</table>

The next two tables ask whether they are very concerned, concerned, somewhat concerned, or not concerned about safety in their neighborhood and their community overall. An N/A was also an option due to rural area.

Table 6: Participant’s concern about safety in their neighborhood

<table>
<thead>
<tr>
<th></th>
<th>Very concerned</th>
<th>Concerned</th>
<th>Somewhat concerned</th>
<th>Not concerned</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Speeds</td>
<td>82</td>
<td>135</td>
<td>214</td>
<td>427</td>
<td>16</td>
</tr>
<tr>
<td>Lack of Crime Patrols</td>
<td>45</td>
<td>92</td>
<td>230</td>
<td>490</td>
<td>17</td>
</tr>
<tr>
<td>Crime</td>
<td>59</td>
<td>113</td>
<td>299</td>
<td>388</td>
<td>15</td>
</tr>
<tr>
<td>Drug Related Crimes</td>
<td>156</td>
<td>191</td>
<td>241</td>
<td>270</td>
<td>16</td>
</tr>
</tbody>
</table>

Table 7: Participant’s concern about safety in their community overall

<table>
<thead>
<tr>
<th></th>
<th>Very concerned</th>
<th>Concerned</th>
<th>Somewhat concerned</th>
<th>Not concerned</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Speeds</td>
<td>64</td>
<td>167</td>
<td>241</td>
<td>391</td>
<td>11</td>
</tr>
<tr>
<td>Lack of Crime Patrols</td>
<td>49</td>
<td>130</td>
<td>287</td>
<td>393</td>
<td>15</td>
</tr>
<tr>
<td>Crime</td>
<td>124</td>
<td>236</td>
<td>330</td>
<td>173</td>
<td>11</td>
</tr>
<tr>
<td>Drug Related Crimes</td>
<td>308</td>
<td>264</td>
<td>206</td>
<td>81</td>
<td>15</td>
</tr>
</tbody>
</table>
Table 8 shows the results to the housing question. Participants were asked whether the strongly agree, agree, neutral, disagree, or strongly disagree with the statement.

**Table 8: Housing in Wood County**

<table>
<thead>
<tr>
<th></th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Neutral</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing is affordable (either renting or buying)</td>
<td>53</td>
<td>283</td>
<td>281</td>
<td>199</td>
<td>58</td>
</tr>
<tr>
<td>Easy to find rental properties</td>
<td>29</td>
<td>184</td>
<td>345</td>
<td>247</td>
<td>69</td>
</tr>
<tr>
<td>A lot of options for rentals</td>
<td>28</td>
<td>165</td>
<td>337</td>
<td>263</td>
<td>81</td>
</tr>
<tr>
<td>A lot of options for buying</td>
<td>53</td>
<td>333</td>
<td>279</td>
<td>173</td>
<td>36</td>
</tr>
<tr>
<td>Housing options are safe and healthy</td>
<td>27</td>
<td>271</td>
<td>422</td>
<td>124</td>
<td>30</td>
</tr>
</tbody>
</table>

The CHA survey asked an open-ended question about what were the top health-related concerns in Wood County. The top three health-related concerns in Wood County are:

1. Substance Use - Alcohol, tobacco, vaping, drugs, access to substance use counselors
2. Physical Environment – Chronic Disease, exercise, nutrition, cancer, and obesity (childhood and adult)
3. Mental Health – Youth mental health, access to mental health services

Honorable mention: Environmental – clean drinking water and air pollution
APPENDIX 4: KEY INFORMANT INTERVIEW QUESTIONS

Healthy People Wood County is a movement of more than 400 organizations and individuals committed to making Wood County a healthier place to live, work, and play. Resident voice is very important to our work, so to continue moving our work forward and improving our community, Healthy People Wood County wants to learn more about how people who live and/or work in Wood County feel about the community. I ask that you take some time to reflect on and answer the following questions about the community such as points of pride, challenges, and potential improvements.

- I’d love to learn how you came to live and/or work here and what your involvement has been in Wood County. Can you tell me about your background and your roots in Wood County?
- What are the best parts about the community? Points of pride?
- What are the most important challenges facing the community?
- Why do you think these challenges exist?
- How do you think these challenges could be improved? Who should be working on this?
- What are some changes you would like to see that would make this community a better place to live?
APPENDIX 5: COMMUNITY CONVERSATION QUESTIONS

Welcome to the Healthy People Wood County Community Conversation. [Facilitator Introduce Themselves] Thank you so much for taking the time to join us to talk about community health in Wood County! Healthy People Wood County is a movement of more than 400 organizations and individuals committed to making Wood County a healthier place to live, work, and play.

Resident voice is very important to our work, so to continue moving our work forward and improving our community, we want to learn more about how people who live and/or work in Wood County feel about the community. I’ll be asking you some questions about the community such as points of pride, challenges, and potential improvements. There are no wrong answers. Please feel free to be honest and share your point of view even if it differs from what others have said. We would like to hear from each and every one of you.

You’ve probably noticed the voice recorder. We’re recording the session because we don’t want to miss any of your comments. People often say very helpful things in these discussions and we can’t type fast enough. We will not use any names when we compile the results. You can be assured of complete confidentiality. The results will be used to determine next steps in building healthier communities in Wood County.

- What are the best parts about the community? Points of pride?
- What are the most important challenges facing the community?
- Why do you think these challenges exist?
- How do you think these challenges could be improved? Who should be working on this?
- What are some changes you would like to see that would make this community a better place to live?
## APPENDIX 6: KEY INFORMANT INTERVIEW REPONSE ANALYSIS

### Table 1: Key Informant Interview Survey Question 2 Results Based on Theme Frequency

<table>
<thead>
<tr>
<th>Category</th>
<th>Response</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Committed Residents</td>
<td>Friendly People, Good People, Generous, Motivation to Help Others, Supportive, Work Ethic, Hope, Resilience, Young People Getting Involved in Leadership, God/Religious Movement</td>
<td>13 Final: 14</td>
</tr>
<tr>
<td>Geographical Features and Natural Resources</td>
<td>River, Lakes, Public Lands, Central Location for Wisconsin</td>
<td>8 Final: 9</td>
</tr>
<tr>
<td>Outdoor Recreation</td>
<td>Swimming, Boating, Walking Paths</td>
<td>11 Final: 12</td>
</tr>
<tr>
<td>School System</td>
<td>Good Schools, Gym, School Districts Collaborate</td>
<td>12 Final: 12</td>
</tr>
<tr>
<td>Local Higher Education</td>
<td>UW-Marshfield, Marshfield Pediatric Residency Program and Mid-State</td>
<td>Final: 2</td>
</tr>
<tr>
<td>Small Town Perks</td>
<td>Feel, Clean, Safe, Good Size to Accomplish Big Things, People Know Each Other, Great Place to Raise a Family, Low Crime Rate, Urban Feel, Personal Connections, Convenience with Lots to do, cost of living, Not Many Drugs</td>
<td>14</td>
</tr>
<tr>
<td>Health Systems</td>
<td>Providers, Access to Care</td>
<td>6 (Final: 7)</td>
</tr>
<tr>
<td>Historical Aspects</td>
<td></td>
<td>1 (Final: 1)</td>
</tr>
<tr>
<td>Industry</td>
<td>Paper Industry, Growing Diversity, Family Restaurants and Businesses</td>
<td>4 (Final: 5)</td>
</tr>
</tbody>
</table>
### Strong Community Partners/Leaders
Collaboration, Receptive to Community Needs, Philanthropic
8 (Final: 8)

### Community Initiatives
Bikeshare, Attempts to Make Community Better, Time of Growth, Tribune, YMCA Expansion in Marshfield, Community Events
6 (Final: 6)

### Community Resources
4H, Farmer's Market, YMCA, VA Clinic, Health Department, Boy's and Girl's Club, Fitness Facilities, Cancer Center, Library, Aquatic Center, Good Law Enforcement, Incourage
10 (Final: 10)

---

<table>
<thead>
<tr>
<th>Bucket</th>
<th>Tally (X/33) (Q3)</th>
<th>Reasons Why (3&amp;4)</th>
<th>Ways to Fix (3&amp;5)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inequities</strong></td>
<td>3 (4) Final: 3</td>
<td>(Social Determinants of Health, Discrimination and Racism ((Hmong)), Inequalities ((Wealth Gap, Power Gap, Power Differentials)))</td>
<td>Address Root Causes of Issues and Utilize Upstream Solutions, Policy Change, Systematic Change, Less Judgement Among People</td>
</tr>
<tr>
<td><strong>Housing Issues and Homelessness</strong></td>
<td>6 Final: 6</td>
<td>Worsening Quality, Affordability, lack of variety</td>
<td>Transitional Housing with Case Management Built in</td>
</tr>
<tr>
<td><strong>Environmental and Geographical Issues</strong></td>
<td>4 Final: 4</td>
<td>Farm Runoff Contaminating Water, Zoning, Invisible Dividing Line Between North and South Ends of County</td>
<td>Match Agriculture to Appropriate Land</td>
</tr>
<tr>
<td><strong>Lack of Trust in Decision Makers</strong></td>
<td>4 (6?) Final: 4</td>
<td>Lack of Transparency, Those in Power not Listening to or Trusting Community for Input, Need More Progressive Government and Community</td>
<td>Transformative Leadership (Progressive Elected Officials Open to Change, Transparency, Communicate with People on City</td>
</tr>
</tbody>
</table>
### Poor Economy

| 18 Final: 17 | No Economic Strength in Industry or Education, Lack of Industry, Lack of Income Growth, Decreasing Economy, Can't Attract or Retain Young Adults/Professionals, Lack of Amenities to Attract Young People, Small Town, Declining Population Size, not unique | New Economic Opportunities, Embrace Entrepreneurship, Different Focus for Tourism, New Industry, Incentivize Young Professionals to Work Here, Employers Pay Livable Wage and Providing Jobs with Benefits, Investors to Bring in Business and Employment, Recruitment Efforts, Pay for Tuition for Wood County Employees Working 5+ years, Regional Economic Development, Community Development |

### Barriers to Resources & Treatment

<p>| 13 Final: 13 | Barriers to Healthcare, Barriers to Community Resources, Lack of Knowledge, Expectations Providers Put on Clients, Limited In-patient Beds, Behavioral Healthcare is Disjointed, Co-Pays, Infrastructure for Treatment is Poor, People not Wanting to Change | Changes to Health Systems, Address Continuum of Care, Retain Primary Care Doctors, Access to Funding, Prevention, Better Communication Between Professionals in Area, Learn from “Like” Communities, Philanthropy |
| AODA | 17 (Final 18) | Addiction and Trafficking, Lack of Resilience, Opioid Crisis, Vaping, access to kids, alcohol and youth, normalization, Over Medication, Drug Trafficking (Wood County Serves as Central Hub, Source of Income, Exploitation) | Community Interventions, Prevention |
| Mental Health | 13 (15) (Final 14) | ACEs, Lack of Resilience, Hopelessness, Technology Immersed Youth, Technology and Mental Health, Stigma, Issues in Addressing Mental Health Crisis Effectively, Anxiety, Hopelessness for Things to Change, Barriers to Personal Connection, Social Media, stress from finances | Coalition of Mental Health Experts, More Peer Groups, Less medication, Connecting Trauma to Behavioral and Health Outcomes, Build Resilience, Address Stressful Situations, Community Interventions, Prevention, Focus on Teaching |</p>
<table>
<thead>
<tr>
<th>Transportation Issues</th>
<th>7 (Final 7)</th>
<th>No Public Transit, Unreliable Bus Route Funding, Increase Transportation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor Youth Development</td>
<td>5 (7) (Final 7)</td>
<td>Difficult to have Positive Development in Children, Kids Raised in Difficult Situations, Trauma in Youth, Schools Lacking Resources, Lack of Support Networks, Lack of Parenting Skills, Parents are “Old School”, Parents Reluctant to Help Kids, Sexual Health Needs for Youth, Breakdown of the Family, Youth are Dynamic, Enabling ((Making Concessions to Students)), Unmet Need Teach Children Decision Making Skills, (Consistent Accountability for Youth Across Schools, Parents, and Caregivers), Services Coming to Schools, School as Hub for Information and Services for Youth, Schools Utilizing Technology, Manufacturers Helping Control Screen Time, Teaching Life Skills, Transportation for After School Activities and Programs</td>
</tr>
<tr>
<td>Generational Issues</td>
<td>4 (Final 4)</td>
<td>Cycle of Traditional Thought and Issues, Learned Normal, Values, Culture, Lack of Understanding, Old School Thought Process, Big Picture Change Needed, Culture of Busyness, Aged Population Resistant to Change, Culture Doesn't Value Education, Lack in Life Skills, Lack of Faith Culture Shift, Kindness, Openness to Change, Cultural Humility, Communities and Families Turning to Faith, Increase Education</td>
</tr>
<tr>
<td>Chronic Disease</td>
<td>4 (Final 4)</td>
<td>Obesity, Cancer Impacting Aged Population and Treatment is Expensive, Aging Population, Nutrition, Lack of Healthy Options at Restaurants, Especially for Kids, Food Insecurity More Advanced Care Planning, More Hospice Care</td>
</tr>
</tbody>
</table>
APPENDIX 7: COMMUNITY CONVERSATION RESPONSE ANALYSIS

Aging Population at the YMCA

Points of Pride
- Outdoor Recreation: walking/biking paths, River Kings / rafters, Ice Skating, Veterans Park, Robinson Park, Splash Pad, Meadow School Ice Skating
- Community Resources: Library, Senior Center, Resources for seniors, Community Initiatives: Lions club events
- Strong Community Partners: Involved boards, Strong Lions Club, Partnership with BMX club
- Historical Aspects/Art: PAC, The town is musical, museums decorate trees, free concerts
- Committed Residents: Community comes together

Challenges
- Generational Issues: Community changing to senior citizen town
- Transportation Issues: Lack of transportation, gas prices
- Lack of Community Engagement: People don’t volunteer, Parade has shrunk, Community picnic has a hard time finding volunteers
- Inequities: Programs need to help people get to the top
- Poor Economy: Stores are closing, Downtown is shrinking, Not a thriving community (retirement town, job loss), Young people not working yet getting subsidies, Job Loss, Need to make money to spend it, Medical service providers not living here, but driving here from out of town, Hard to draw businesses to the right places
- Lack of Trust in Decision Makers: Taking down buildings without preserving history, “Boys Club” in politics (superiority complex, not connection to community)
- Housing and Homelessness: Tons of retirement buildings, sky high costs of retirement living, no amenities to attract people to retirement living

How Could These Challenges Be Improved?
- Poor Economy: Being more pro-technical college, Industries need to re-think how they run shifts (people have kids), Think differently about technology
- Lack of Community Engagement: Mentorship programs with retired people

Changes You Would Like to See?
- Lack of Community Engagement: Bring more millennials to the community
- Physical Environment and Crime: More staffing for police dept., Task force working on senior citizen issues
River Cities Clubhouse

### Points of Pride

<table>
<thead>
<tr>
<th>Community Initiatives</th>
<th>Community Resources</th>
<th>Strong Community Partners/Leaders</th>
<th>Historical Aspects/Arts</th>
<th>Committed Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community/neighbourhood table</td>
<td>Clubhouse</td>
<td>Outreach (SWEPs, AWANA, Boys &amp; Girls Club, Funtress)</td>
<td>Creative resources (PAC, cultural center, library)</td>
<td>Friends</td>
</tr>
<tr>
<td>Community picnic</td>
<td></td>
<td>Boy and Girl Scouts</td>
<td></td>
<td>Welcoming/good community</td>
</tr>
<tr>
<td>Lunch by the river</td>
<td></td>
<td>YMCA programs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Car show</td>
<td></td>
<td>Churches</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th of July fireworks</td>
<td></td>
<td>WI Dept of Workforce Develop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Port Edwards community garage sale</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fireman’s picnic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Challenges

#### Mental Health
- Mental illness causing barriers to access care
- Lack of understanding on mental illness
- Lack of acceptance for advocates
- Lack of proper press around mental health
- Law enforcement
- Lack of education on mental health issues
- Lack of education
- Lack of funding
- Stigma exists
- Lack of conversations

#### Transportation Issues
- Accessibility to transportation

#### How Could These Challenges be Improved?

### Changes You Would Like to See?

<table>
<thead>
<tr>
<th>Mental Health</th>
<th>Lack of Community Engagement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified peer specialist</td>
<td>Lack of Community Engagement</td>
</tr>
<tr>
<td>People not judging you</td>
<td></td>
</tr>
<tr>
<td>Celebrate recovery stories</td>
<td></td>
</tr>
<tr>
<td>Mental health friendly community</td>
<td></td>
</tr>
<tr>
<td>Respect for others</td>
<td></td>
</tr>
<tr>
<td>Advocacy programs</td>
<td></td>
</tr>
</tbody>
</table>

| Lack of enforcement of agency disability act |
| Lack of consumer involvement on decision making committees |
| Narratives on issues created by professionals without lived experience |
| Politicians |
| Selfishness |
| Priorities are misaligned |

| Shortage of law enforcement funding |
| Aging community (shrinking tax base) |

<table>
<thead>
<tr>
<th>Barriers to Resources and Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood County Human Services requiring certain insurance</td>
</tr>
<tr>
<td>Lack of mental health providers</td>
</tr>
<tr>
<td>Lack of appointment reminders</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Generational Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bullying (all age groups)</td>
</tr>
<tr>
<td>Difficult to overcome prejudice</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Housing Issues and Homelessness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lack of homeless shelter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chronic Disease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inadequate healthcare</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AODA</th>
</tr>
</thead>
<tbody>
<tr>
<td>AODA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical Environment and Crime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jail (better discharge opportunities)</td>
</tr>
</tbody>
</table>
Hmong Community

Points of Pride

- Strong Community Partners/Leaders
  - Low crime rates

- Committed Residents
  - Traffic safety
  - Traffic safety

- Community Resources
  - Banks

- Community Initiatives
  - PSA’s - information provided to educate the community of emergencies

Challenges

- Mental Health
  - Lack of mental health programs/services/prevention efforts.
  - Unaddressed PTSD from war/refugee

- Transportation Issues
  - Lack of public transportation

- Generational Issues
  - Need to build and maintain relationships

- Poor Economy
  - Lack of job opportunities.
  - A lot of traveling for work in other areas.
  - Lack of manufacturing jobs, marketing can improve
  - Inequities
    - Many stereotypes of Hmong that are harmful.
    - Hmong culture feels lack of connection between city/schools.
    - Outreach to Hmong community is usually poor

- Barriers to Resources and Treatment
  - People are unaware of how to get things started.
  - People must go to other areas for college/higher ed.
  - Lack of higher education for people in wood county.
  - Lack of interpreters (in-person) and need higher quality interpreters.
  - Respect for hming religious beliefs in healthcare.
  - Lack of English/Hmong understanding (need to rely on bilingual children for written materials).
  - Dedicate staff to help interpret or doctors instead of electronic services.
  - ER Wait time is too long.
  - Events/meetings held at inconvenient times

How Could These Challenges be Improved?

- Barriers to Resources and Treatment
  - Seeing differences in culture/beliefs.
  - Personal advocates (bilingual).
  - Connect to help elders and parents with translators when kids aren’t available.
  - Funding.
  - Hire more bilingual employees.
  - More conversations with schools/government.
  - Discussions on better partnerships/relationships.
  - Involve Hmong community to talk about their needs.
  - Hmong representatives.

- Inequities
  - Not forcing Hmong to assimilate (not culturally sensitive).
  - Hmong community center or nonprofit

- Physical Environment & Crime
  - Learning more about laws (city, county, etc).
  - Workshops for Hmong families to learn more about laws.
  - Better communication about laws and resources

Changes You Would Like to See?

- Poor Economy
  - More job opportunities/economic development
  - Improve downtown.
  - Focus on bringing younger people to stay.
  - Invest in an organization that service minority people again.
  - Hire locally.

- Housing & Homelessness
  - More housing opportunities for single young people

- Generational Issues
  - Be open to positive change

- Lack of Community Engagement
  - Place for Hmong community to come together to learn cultural practices and be comfortable.

- Poor Youth Development
  - More opportunities for young people

- Lack of Trust In Decision Makers
  - More political candidates and legislators talk with Hmong community
Boys and Girls Club

Points of Pride

- Geographical Features:
  - Large outdoor space
  - River
  - Rocks in front of Jennings

- Outdoor Recreation:
  - Bike trails
  - Water park
  - Newman's Golf Course

- Industry:
  - Movie theater
  - Subway
  - Culver's
  - Dunkin Donuts

- Community Resources:
  - YMCA
  - Library

- School System:
  - Teachers at Lincoln

Challenges

- Poor Youth Development
  - Playgrounds only for little kids
  - Technology

- AODA
  - Vaping,
  - Other kids do it (vaping),
  - It's cool (vaping),
  - Curiosity (vaping)

- Physical Environment & Crime
  - Crime/break-ins/theft
  - Garbage on streets
  - Pollution
  - Sirens (from the mill)
  - Want vs need (theft)

How Could These Challenges be Improved?

- Lack of Community Engagement
  - Presentations with storytellers, social media/youtube/snapchat/instagram/facebook

Changes You Would Like to See?

- Resources and Treatment
  - Somewhere to hang out outside of the Boys and Girls Club and school
Aging and Disability Resource Center

Points of Pride

- Committed Residents
  - Volunteer opportunities
  - Support of tax programs
  - Generosity

- Geographical Features and Natural Resources
  - Access to public lands
  - Nature

- School System
  - Good education system

- Small Town Perks
  - Family feeling
  - Good upkeep
  - Safe/secure to live here

Community Initiatives
- Community activities

Community Resources
- Access to the arts

Challenges

- Chronic Disease
  - Big pharma pushing Rx
  - Physical/mental disabilities
  - AODA
    - Drugs, people cannot pass drug tests
    - Lack of drug education
    - Lack of treatment options for drugs

- Generational Issues
  - Ethics/entitlement
  - People wanting to become something more
  - We are not perfect
  - Generational cycles
  - Pride in independence
  - Need for purpose
  - Grandparents caring for grandchildren
  - Lack of understanding

- Poor Youth Development
  - Cost of college
  - Lack of parental support

- Barriers to Resources and Treatment
  - Volunteer opportunities
  - Support of tax programs
  - Generosity
  - Lack of trust in decision makers
  - Greed
  - Political agenda
  - Weak support systems

- Transportation Issues
  - Lack of public transportation

- Mental Health
  - Social media
  - Lack of mental healthcare access

How Could These Challenges be Improved?

- Generational Issues
  - Communication across generations
  - Connecting people
  - Build relationships
  - Increase acceptance of interdependence
  - Generations meeting in the middle

Changes You Would Like to See?

- Economy
  - Incentives for local business climate
  - Break barriers to entrepreneurship
  - Retail

- Recreation
  - Pool

- Resources and Treatment
  - Salvation Army in Wood County

- Transportation
  - Access to freeway

- Generational Issues
  - Generational sensitivity
  - Break Not In My Back Yard (NIMBY) attitude

- Economy
  - Military workforce
WIC Participants

Points of Pride

- Committed Residents: People willing to help out when needed.
- Outdoor Recreation: Walking/Biking trails
- School System: Schools/Teachers
- Health Systems: First Choice Pregnancy
- Community Resources: 
  - WIC
  - FHIP
  - Boys & Girls Club
  - Headstart
  - MDPS
  - Building Blocks
  - Food Pantries

Challenges

- Generational Issues: Not having family in the area, People don’t better themselves
- Poor Youth Development: Child Care, Waiting lists for HeadStart
- Transportation Issues: Long wait times, scheduling issues
- Barriers to Resources and Treatment: Resources becoming exhausted, Too many people in need, not enough help, Difficult to find day cares that accept BadgerCare
- Poor Economy: People not seeking employment
- Housing Issues & Homelessness: Lack of quality housing, Slum lords, not enough variety for families and single people

How Could These Challenges be Improved?

- Generational Issues: Everybody chip in and help each other.
- Poor Youth Development: Another Head Start location
- AODA: Police focus on real crimes other than marijuana
- Lack of Trust in Decision Makers: Stronger voice in pushing for changes
- Physical Environment and Crime: Light up walking paths for safety.

Changes You Would Like to See?

- Housing Issues & Homelessness: Housing everybody and not just veterans or seniors, shorter wait lists for housing, add low income family housing, add homeless shelter
- Community Engagement: Community garden
- Resources & Treatment: More childcare, Domestic abuse facility
APPENDIX 8: COMMUNITY ENGAGEMENT GUIDE

Community Engagement Guide for Advancing Health Equity

Healthy People Wood County

Updated 1/14/19
What is Community Engagement?

Community engagement is a long-term process in which community members are partners in identifying action steps that can be implemented to improve health. It goes beyond community outreach that consists of short-term activities designed to share information with or seek input from community members. Community engagement is an intentional practice that includes the diverse perspectives of the community, addresses power dynamics, fosters strong relationships, and leads to action. It requires organizations to work deliberately to build long-term trusting relationships and to be open and responsive to community input.

Community engagement should offer opportunities for communities to express their views and have a meaningful role in decision-making. It should also consider the diversity of the community and seek to create an inclusive and accessible process. Effective engagement removes barriers for communities that may have previously prevented residents from successfully working with local government. Engaging community members who are the most impacted by the issues is essential in creating and sustaining change. Alone, none of us can overcome the challenges facing our community, but together we can make progress by examining and improving the practices, policies, and systems that affect the health of our community.

Community Engagement & Health Equity

Strong, strategic, long-term, and trusting relationships with community partners are vital to advancing health equity and transforming public health practices. These relationships must recognize each other's strengths, be rooted in shared values and interests, share decision making, and allow for authentic participation by those facing inequities. Rather than simply seeking feedback or hosting one-way conversations, we must intentionally listen to and learn from communities, and partner with communities in ways that build their capacity and power to gain greater control over the factors that affect their lives.

Best practices for health departments working to advance health equity through community engagement include: remaining open to learning about community priorities, allowing time and space to get to know one another, identifying strategic opportunities for communities to contribute their expertise and knowledge, and sharing resources to develop skills and capacity to partner with the health department. Most importantly, health departments must demonstrate a willingness to be guided by communities' needs, interests, and voices, which will determine departments' policy and program priorities.

The Wood County Health Equity Plan is based on Human Impact Partners' Strategic Practices, which were developed to support local health departments in transforming their work to advance health equity. The strategic practices are categorized into four different domains: community engagement is a primary focus of the third domain – Foster Community Partnerships. This domain includes the following set of strategic practices to advance equity and share power with communities:

- Partner with communities experiencing inequities in ways that intentionally share power and decision making. Identify strategic opportunities and avenues for communities to contribute their expertise and knowledge. Co-develop, adopt, and promote a shared agenda, narrative, and resources to advance health equity.
- Design more inclusive decision-making processes to actively reduce the marginalization of specific racial and socioeconomic groups. Allocate time, funds, and capacity building to facilitate the meaningful participation of communities experiencing health inequities in department decision making.
- Create a culture of respectful co-learning, evaluation, reflection, and transparency about department and community needs/priorities to build trust between department and community partners.
- Allow time and space to connect. Routinely attend meetings and events organized by community and social justice organizations and show support by staying informed of their activities and priorities.
- Train and prepare staff to respectfully and thoughtfully engage with communities experiencing health inequities.
- Highlight and sustain community partnerships that have led to changes in department policies, processes, and practices.
- Use data, advocacy, and other expertise to support community-led social justice efforts that would improve equity.

Healthy People Wood County Community Engagement Goals

1. Create and sustain a culture that demonstrates commitment to equitable and inclusive community engagement by dedicating resources to support the work.
2. Listen authentically and create avenues for meaningful participation with residents and partners.
3. Assure a shared decision-making process with communities who are affected most by health inequities.
4. Strengthen community relationships by enhancing communication, collaboration, and coordination between public health leaders and other organizations serving priority populations.

HPWC Performance Measures

Goal 1.1 Partners and community members are actively engaged in the work
  
  Objective 1.1.1 – 50% of resident follow-up action based on one-on-one outreach
  Objective 1.1.2 – # external communications per month, as defined by the HPWC Communication Plan, will be completed to inform and engage Wood County residents

Goal 2.1 Advance health equity through equitable strategies
  
  Objective 2.1.1 – 75% of strategies are equitable
  Objective 2.1.2 – 75% of strategies have community input as defined by the HPWC Community Engagement Guide
## Community Engagement Spectrum

**Increasing Community Impact on the Decision**

<table>
<thead>
<tr>
<th>Level of Engagement</th>
<th>Inform</th>
<th>Consult</th>
<th>Involve</th>
<th>Collaborate</th>
<th>Community Driven</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Goal of Engagement</strong></td>
<td>Community is provided with balanced and objective information to assist them in understanding public health issues, programs, and policies</td>
<td>Community input is requested to inform public health priorities and decisions that are led by the organization</td>
<td>Community input is requested, obtained, and included to shape public health priorities and decisions</td>
<td>Community and organization commit to working together to create solutions via an established participatory, shared decision-making process</td>
<td>Community initiates and directs public health strategy and action with sufficient resources, technical assistance, and support from organization</td>
</tr>
<tr>
<td><strong>Organization’s Role</strong></td>
<td>Keep the community informed</td>
<td>Request input from the community; input may or may not be used</td>
<td>Work to ensure community input is included in the decision and report back how the input influenced the decision</td>
<td>Work to ensure a participatory, shared decision-making process that includes maximum community input in the decision</td>
<td>Implement what the community decides. Support community-identified strategy and action, and provide sufficient resources and technical assistance</td>
</tr>
<tr>
<td><strong>Community’s Role</strong></td>
<td>Receive information</td>
<td>Provide input</td>
<td>Provide input in a participatory process</td>
<td>Provide input in a participatory process and share decision-making power with organization</td>
<td>Initiate and direct strategy and action, and make final decision on public health issues</td>
</tr>
<tr>
<td>Level of Engagement</td>
<td>Inform</td>
<td>Consult</td>
<td>Involve</td>
<td>Collaborate</td>
<td>Community Driven</td>
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</tbody>
</table>
| Characteristics of Engagement | - One-way communication  
- One interaction  
- Primarily short-term  
- Addresses immediate need | - Primarily one-way communication  
- One to multiple interactions  
- Short to medium-term  
- Shapes and informs county priorities | - Two-way communication  
- Multiple interactions  
- Medium to long-term  
- Advancement of solutions to complex issues | - Two-way communication  
- Multiple interactions  
- Medium to long-term  
- Advancement of solutions to complex issues | - Two-way communication  
- Multiple interactions  
- Medium to long-term  
- Advancement of solutions to complex issues |
| Community Engagement Strategies | - Email  
- Newsletter  
- Press release  
- Fact sheet  
- Policy brief  
- Poster  
- Brochure  
- Web site  
- Social media  
- Tabling | - Community conversation  
- Community survey  
- 1:1 conversation  
- Door knocking  
- Public testimony  
- Storytelling  
- Photovoice | - Coalition  
- Advisory Board or Committee  
- Steering Committee  
- Workgroup  
- Public forum  
- Public testimony | - Coalition  
- Co-led community meetings  
- Advisory Board or Committee  
- Steering Committee  
- Workgroup  
- Public forum  
- Public testimony  
- Policy development & advocacy  
- Public testimony | - Coalition  
- Community-led planning efforts  
- Community-hosted forums  
- Attending community meetings  
- Serving as advisory members  
- Providing funding, data, and technical assistance  
- Policy development & advocacy |
| Outcomes of Engagement Strategy | Establishes communication and outreach channels | Develops connections  
Visible partnerships are established | Partnership building, trust building | Strong bidirectional trust built; Broader health outcomes affecting broader community addressed |
Engagement Strategies

1:1 Conversation – A 1:1 is a personal conversation between an individual community member and a coalition leader or community engagement organizer. The goal is to share concerns, level of interest and commitment for an issue, as well as the resources each person has to offer. These conversations help to build positive relationships within the community which can create a strong base of support, help build power, increase understanding of issues, engage people using their strengths and their interests, and build trust which helps to sustain long-term change.

Advisory Board or Committee – An Advisory Board or Committee is just that, a group that advises the organization. It does things such as advise an organization or project about various items related to community health improvement, but it doesn’t set policy or oversee the Director, operation, or finances. A Board can strengthen your organization in many ways: perform some of the tasks of the organization, support your work in the community, convince others that you know what you’re doing, contribute particular skills and talents, advise the organization on legal or other matters, and help with fundraising. A good Board helps lend credibility and legitimacy to the organization in the eyes of the community.

Board/Committee seats – Membership on a Board or Committee gives people the opportunity to volunteer for a cause they believe in and to use their skills or prominence in satisfying ways. Additionally, members are part of the community, so they help connect the organization and its work to the community. You have something to offer by asking people to serve on your Board or Committee, as well as something to gain.

Coalition – Often, community problems or issues are too large and complex for any one agency or organization to tackle. In these circumstances, putting together a coalition of groups and individuals can be an effective strategy for changing the programs, policies, systems, and environments that are needed to solve the problem or achieve the goal. In simplest terms, a coalition is a group of individuals and/or organizations with a common interest who agree to work together toward a common goal. The individuals and organizations involved might be drawn from a narrow area of interest, or might include representatives of nearly every segment of the community, depending upon the breadth of the issue. Coalitions may be loose associations in which members work for a short time to achieve a specific goal, or they can be more permanent working on longer-term goals. Either way, they exist to create and/or support efforts to reach a particular set of goals.

Community Conversation – A community conversation is a tool that can be used to capture community input. It focuses on engaging members of a community to discuss what helps and hinders community growth and community health improvement. A community conversation is a guided discussion with a small group of individuals from similar backgrounds. They generate knowledge that can be used to inform decision-making and help to mobilize ideas, improve skills, and build on passion of the community. Click here for tips for a successful community conversation.

Community Survey – A community survey is critical for collecting community-wide data. It allows organizations to collect quantitative data, which allows generalizations and an overview of a community’s strengths and weaknesses. The survey should be conducted using platforms that are suited for a variety of audiences. The use of multiple platforms helps to ensure active community engagement from diverse sectors of the community. Platforms include: online surveys, paper-based surveys, and surveys available in multiple languages.

Door Knocking – Door knocking means going door-to-door and asking people for information or feedback related to community health improvement. You can ask broad or specific questions, but it is best to have a set list of questions you want to ask people. Prepare to introduce yourself, identify your purpose and collection of data, leave volunteers, and then conduct your door-to-door search.

Fact sheet – A fact sheet is a single sheet of paper listing important facts about the issue. Fact sheets can be used to provide information to a variety of audiences. You can include a whole series of them. Fact sheets are easy to make and easy to understand, can be made up very quickly, and are cheap to create and distribute. More on fact sheets here.

Photovoice – Photovoice is a process in which people – usually those with limited power due to poverty, language barriers, race, class, ethnicity, gender, culture, or other circumstances – use video and/or photo images to capture aspects of their environment and experiences and share them with others. The pictures are usually used with captions composed by the photographers, to send a voice to the issues of the photographer lives to the public and policymakers and to spur change. Photovoice can help changemakers understand the lived experiences of disadvantaged communities and give a voice to underprivileged individuals. Click here to learn more about photovoice.

Policy brief – A policy brief presents a concise summary of information that can help readers understand, and likely make decisions about, government policies related to public health. Policy briefs give objective summaries of relevant research, suggest possible policy options, and sometimes, go even further and argue for particular courses of action and/or recommendations. They can be written for a variety of audiences including, but not limited to, public health practitioners, advocates, policymakers, and the general public. For guidance on writing a policy brief, click here.

Policy development & advocacy – Policy change is one of the most effective and sustainable approaches to community health improvement, which makes it a key community engagement strategy. Click here for a toolkit on influencing policy development and here for information on how to conduct research to influence policy creation or policy change.

Press release – A press release is a brief written summary or update, alerting the local media about upcoming events or important news. Press releases are created either to
preview an upcoming event or to inform the public about something that has already occurred; written in a clear, concise manner that easily and quickly conveys its message to the reader; written with the most current and pertinent information in the first two paragraphs; and are subject to editing for content and space or time requirements, depending on the media. Click here for more on why, when, and how to create a press release.

- **Public forum** — Public forums (also known as “Town Halls”) and listening sessions are a valuable resource in upholding open lines of communication with the public. Citizen participation in community projects can help identify and solve problems. During these open meetings, citizens discuss important issues such as health problems, and facilitators lead a discussion of various aspects of the issue like the community’s strengths and potential problems. Public forums are open to everyone in the community and offer people from diverse backgrounds a chance to express their views about key issues of concern and what can be done about them. Click here to learn more about planning and conducting public forums.

- **Public testimony** — A public health professional who gives testimony at a public hearing describes to decision-makers how changes in a law or policy will impact the health of the community. Our lives are affected every day in some way by the laws and policies of our federal, state, and local governments and their agencies. Before laws and policies can be altered, public hearings are often held to give citizens a chance to voice their support for or their concern about proposed changes. Click here to learn how to prepare effective testimony.

- **Social Media** — Social media uses computer-mediated technologies that facilitate the creation and sharing of information, ideas, interests, and other forms of expression via virtual communities and networks. This method will be used to promote engagement activities, such as tabling events and photovoice.

- **Steering committee** — A Steering Committee may be appointed or elected, but is often open to any member of the organization who is interested in helping it to run. It usually makes recommendations about a particular action or about the direction in which the organization should go, rather than setting policy. If the Steering Committee oversteps these bounds, the organization may dissolve it, or otherwise limit its authority. Coalitions, which may be organizations made up of several other organizations, often have Steering Committees.

- **Storytelling** — Storytelling can be a powerful, multi-dimensional tool for community-based public health program enhancement, strategic communication, and advocacy. Stories can give a voice to people’s own experiences and connect knowledge to action. Storytelling allows us to better learn from the experiences of communities affected by public health problems. Stories are also used to make statistics and quantitative data more accessible and relatable.

- **Tabling** — Tabling is a simple technique to gather information from the community. It is exactly what it sounds like: Set up a table at an establishment and ask people to answer a few brief questions as they come or go. This will be performed at partner sites and public spaces to gather information relating to personal and community health improvement, as well as to promote other community engagement activities.

  - **Workgroup** — A workgroup is a group of people working on a specific issue or action. Typically, a workgroup is a subset of a larger group like a coalition. It is comprised of 2 or more individuals working on a specific issue or action within a larger goal.

  - **Workshop** — A workshop is an in-depth face-to-face detailed discussion that can take a variety of forms. It enables people to engage in informed, meaningful discussions and provides people an opportunity to develop opinions and solutions. Often, people split into smaller groups so many conversations can happen. Workshops require skilled facilitation and often more than one facilitator is necessary for a successful workshop.

*Strategy information from Healthy Wisconsin Leadership Institute’s Community Engagement Toolkit, Health Equity Alliance of Rock County’s Community Engagement Toolkit, and the Community Tool Box.
**Acknowledgements**

We would like to acknowledge the following organizations for their support, advice, knowledge, language, and materials that aided us in the creation of this document:

- Human Impact Partners
- UW Population Health Institute
- Healthy Wisconsin Leadership Institute
- Health Equity Alliance of Rock County
- Rock County Public Health
- Boston Public Health
- Community Tool Box
- Minnesota Department of Health
- County Health Rankings & Roadmaps

**Appendix**

General Community Engagement Resources

- Community Tool Box Home page - [https://ctb.ku.edu/en](https://ctb.ku.edu/en)
- Healthy Wisconsin Leadership Institute [Community Engagement Toolkit](https://www.hwi.org/community-engagement-toolkit)
- Healthy Wisconsin Leadership Institute [Community Health Improvement Toolkit](https://www.hwi.org/community-health-improvement-toolkit)
- Health Equity Alliance of Rock County’s [Community Engagement Toolkit](https://www.healthequityallianceofrockcounty.org/community-engagement-toolkit)
- Human Impact Partners [Health Equity Guide](https://www.humanimpactpartners.org/health-equity-guide)
- Boston Public Health [Community Engagement Plan](https://www.bostonpublichealth.org/community-engagement-plan)
- IAP2 public participation [spectrum](https://iap2.org/spectrum)
- County Health Rankings & Roadmaps Who to Work With - [Partner Center](https://www.hcpr.org/partner-center)
- Wisconsin CHIPP Infrastructure Improvement Project - Listening to the Community’s Input: [A Guide to Primary Data Collection](https://www.chipproject.org/a-guide-to-primary-data-collection)
- Comprehensive [list of methods](https://www.chipproject.org/a-guide-to-primary-data-collection) for community engagement/coproduction with categories including what’s it good for, strengths, weaknesses, participation level, and more
APPENDIX 9: LIMITATIONS AND FURTHER CONSIDERATIONS

Limitations in the data collection process occurred in all of the collection methods, community conversations, key informant interviews, and community survey. Other limitations such as staff capacity and resources.

Data Collection:

Community Conversations:
Limitations of community conversations include that sessions were not voice recorded, videotaped, or transcribed verbatim, which made analysis to be based solely on the notes of facilitators. This made it difficult because the person analyzing the data did not facilitate all of the community conversations. For the future, it is important to ensure all community conversations are either voice recorded or videotaped for easier analysis. This is will allow analysis to be more accurate.

The participants of the community conversation were self-selected. The CHA team decided which populations to have conversations with and those who come to the conversation had to decide to participate. This can make generalization of a whole population harder. This is a limitation of all community conversations or focus groups. However, facilitators ensured that those who participated were from the same population. For the future, it is important to ensure that all populations in Wood County are represented. This includes those who live in rural parts of Wood County, LGBTQ+ community, and Latino population.

Key Informant Interviews:
The key informant interviews were limited to those who responded to email requests and those who CHA team already had prior working relationships. For the future, it is important to include community members and not only those who lead local agencies in Wood County.

Community Survey:
The community survey was only administered in English, which could have limited those whose first language is non-English. This limited those who could take the survey. Majority of the survey distribution took place via the internet on social media. This limited the survey to those with internet access. There was limited paper survey distribution. This was due to time as well as staff capacity. For the future, having the survey in multiple languages and in paper form would be ideal. It will also be important to conduct door knocking to ensure all community members have the opportunity to complete the survey either via the online survey or a paper survey.

Other limitations:
Other limitations included staff capacity and monetary resources. There was a small team working on the CHA, this posed a problem for collecting data and analyzing the data. Monetary resources limited the ability to incentive those participating in our primary data collection. We were able to incentivize those who participated in community conversations and key informant interviews, but not those who took the community survey.
The timeline displayed was the projected timeline of a mini CHA/CHIP, but we decided to conduct a full CHA and pushed the timeline further into August. The timeline was not updated.

### HEALTHY PEOPLE WOOD COUNTY MINI CHA TIMELINE

<table>
<thead>
<tr>
<th>ACTIVITIES</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
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<td>Discuss and align organizational resources</td>
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<td>Conduct community conversations</td>
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<td>Analyze secondary data</td>
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<td>Analyze primary data</td>
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Alcohol and Other Drug Abuse

Within Wisconsin, alcohol has become so normalized that it is a part of every community’s culture. The normalization of alcohol has led to a minimization of the risks associated with risky alcohol consumption such as binge drinking, driving under the influence, and people under the legal age consuming it. Individuals engaging in these risky behaviors are more likely to become dependent on alcohol, are at higher risk of getting into a motor vehicle crash, higher risk of chronic disease, suffer alcohol poisoning, experience alcohol withdrawal syndrome, or engage in other risky behaviors due to impaired decision making (Mayo Clinic Staff, 2018). Figure 1 shows indicators for alcohol in Wood County (Wisconsin Department of Health Services, 2016).
Youth Development

A critical part of youth development is to support and provide opportunities for youth to gain skills that will help them be productive and healthy adults in society. Education and work experiences are strongly correlated with better work and economic opportunities, better housing, stronger sense of personal control, and healthier lifestyle opportunities. In Wood County, 8% of 16-to 19-year-olds are neither working or in school, which is higher than Wisconsin overall. This is shown in Chart 1 (U.S. Census Bureau, n.d.c).

Substance use and addiction are related to poorer health and can be costly to communities in dollars, community safety, treatment and lives. Because the path to drug addiction often starts at a very young age and can impact the developing adolescent brain, it is crucial to focus efforts on preventing youth from using or becoming addicted to drugs. Among several drug substances, the top five that Wood County high school students use are alcohol (36%), marijuana (26%), cigarettes (19%), electronic cigarettes (11%) and prescription painkillers (11%) (Wisconsin Department of Public Instruction, 2017).
Sexual health is an important and critical part of the lives of youth because many youth are sexually active and may engage in risky behaviors that can result in unintended health outcomes. Sexual risk behaviors can lead to HIV, STDs, and teen pregnancies that have everlasting impacts. Youth who are lesbian, gay, and bisexual are at an increased risk for serious health outcomes compared to their peers. Parents, families, schools, youth serving organizations, and the community can help youth to adopt lifelong attitudes, skills, and behaviors and create environments, policies, and systems that support positive sexual health for youth to ensure that they have the best chances and opportunities of becoming healthy adults (Centers for Disease Control and Prevention, 2019d). Figures 2 shows self-reported data about sexual health among Wood County students (Wisconsin Department of Public Instruction, 2017).
Environmental and Geographical Issues

The process for adding environmental health to the list of additional health concerns came about because it was the fourth written response to the open-ended question asking about the most serious health-related concerns in Wood County. This included air pollution from the mill and water pollution that can lead to serious health concerns. Key informants also discussed the importance of environmental health, specifically around the runoff from farms contaminating water. The key informants also mentioned issues with zoning and enforcement of zoning regulations.

Disease that spreads by insects are affected heavily by environmental changes, changes in agricultural practices, rainfall, travel, and urbanization (World Health Organization, 2017b). In the case of Lyme disease, black legged ticks are the known vector that carry the Borrelia burgdorferi bacteria, which causes Lyme disease (Centers for Disease Control and Prevention, 2019e). The early symptoms of Lyme disease can present as fever, headache, fatigue, and the bullseye rash known as erythema migrans (Centers for Disease Control and Prevention, 2019e). If left untreated, the infection can spread to joints, the heart, and the nervous system. Ways to prevent the transmission of Lyme disease are using insect repellent, quick removal of a tick that has bitten you, applying pesticides, and reducing tick habitat (Centers for Disease Control and Prevention, 2019e).

Chart 3: Rate of Lyme disease incidence per 100,000 residents by geographic area in 2015, 2016, 2017 (Environmental Public health Data Tracker, 2017).
Radon is a naturally occurring radioactive gas that comes from the decomposition of uranium. Radon gas seeps through the ground and becomes airborne before dissolving within the air (Centers for Disease Control and Prevention, 2019f). Although radon is odorless and you cannot see it, the effects can be devastating. Long-term exposure to elevated radon levels is the leading cause of lung cancer among non-smokers (United States Environmental Protection Agency, 2013). Testing for radon in indoor locations that you spend a majority of your time such as home, work, or school can help in early detection of hazardous radon levels. Home tests are available for residents to place in their basement and other locations where they spend most of their time and then sent to a state lab to be analyzed. Chart 4 shows the percentage of home radon test results in Wood County in 2018 (Wood County Health Department, n.d.). The two home test kits are either short-term, which range from a few days up to 90 days, or long-term kits which take longer than 90 days, but have more accurate results (Centers for Disease Control and Prevention, 2019f). Residents who find that their homes have indoor concentrations of radon gas between 1.1-3.9 picocuries per liter (pCi/L), a measurement of radioactivity, should consider taking measures to mitigate the concentration of radon (American Lung Association, n.d.). For home tests with results of 4 or more pCi/L for radon should take immediate action to mitigate the level of radon in their home. For the installation of a radon reduction system, the EPA suggests hiring a qualified radon mitigation contractor to reduce the concentration of indoor radon (United States Environmental Protection Agency, 2013).
Asthma is a chronic condition that, when triggered, leads to an asthma attack. Common symptoms of an asthma attack are wheezing, shortness of breath, coughing, chest pain, and trouble sleeping (American Academy of Allergy Asthma and Immunology, n.d.). Chart 5 shows the age-adjusted rate of asthma related Emergency Department visits (Environmental Public Health Data Tracker, n.d). Triggers can vary from person to person, but a few common environmental triggers to look for are asbestos, radon, poor air flow, cleaners and solvents, pesticides, formaldehyde, smoke and exhaust, dust, pests, and animals (Andrews, E., & Merrill, J. L., n.d.). Environmental triggers are closely associated with air quality and allergens. Although not all triggers are environmental, a common example of a non-environmental trigger is exercise. The effects of living with asthma can be reduced through individualized management, which involves the identification of triggers and the appropriate medication to control symptoms (American Academy of Allergy Asthma and Immunology, n.d.). However, if an individual does not have access to medication to control symptoms or is able to work with an allergist to identify triggers they are more likely to experience more frequent and severe asthma attacks. If an asthma attack is severe enough the individual may have to visit the emergency department for treatment, especially those who are children or elderly. Being able to eliminate exposures to an individual’s triggers can greatly decrease asthmatic events and subsequent emergency room visits depending on the severity of the individual’s asthma attacks. Unfortunately, if the individual does not have access to medical care to receive preventive services and medication, they may be hospitalize or die due to asthma related complications.

Chart 5: Age-adjusted rate of asthma related emergency department visits per 10,000 emergency department visits by geographic area in 2014, 2015, 2016

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Public opinion can be a powerful indicator to check the “pulse” of a community. It was identified that 2 in 3 South Wood County residents felt that they could not trust their elected officials to address challenges facing the community. A lack of trust can harm a community both socially and economically. A lack in trust of elected officials may lead to residents becoming less engaged with the community, engage in deviant behavior, and overall become disinvested in the community’s well being. Similarly to residents, businesses may be weary to move into the area, there is less innovation, less financial investment, and fewer employment opportunities (Trust in government, policy effectiveness and the governance agenda, 2013). Chart 6 shows the percentage of South Wood County residents by elected official trust (Incourage, 2017b).

According to the Incourage survey in 2017, 4 in 5 South Wood County residents found that their elected official was a barrier to community engagement (Incourage, 2017b). This perceived barrier may come from distrust between community members, distrust of the elected official, an absence of the public official in the community, or conflicting values between residents and the elected official (Trust in government, policy effectiveness and the governance agenda, 2013). Regardless, community engagement is essential in carrying out community initiatives to improve the public’s health. Identifying ways to address these barriers is a necessary first step to authentically engage the community in choices in community initiatives, carrying out the initiatives, and evaluating the initiatives after implementation.
Generational Issues

Within Wood County, about 1 in 5 High School students identified not having a trusted adult at home, 1 in 7 not having a trusted adult at school, and about 1 in 10 not having a trusted adult outside of school or home. See Chart 8 (Wisconsin Department of Public Instruction, 2017). Youth lacking a trusted adult in these various settings may be associated with a variety of factors that may be attributed to generational differences. Differences between generations due to changing cultural norms and technology can lead to disconnections between children and their parents or grandparents. There are multiple consequences of youth are not connected to adults such as shared expectations on risky behaviors (Wang, Stanton, Deveaux, Koci, & Lunn, 2014), a decline in social cohesion, and conflicting values and worldviews between generations (Twenge, J. & et al., 2012). Youth who do not have a trusted adult may be likely to struggle with substances and engage in risky behavior as well as become socially isolated.

Youth behaviors, both risky and healthy, are heavily influenced by the interactions of peers, society, and family. Among these interactions, family interactions with youth have the most influence on a youth’s behavior choices. The two major factors from family interactions that affect a youth’s behavior are monitoring and communication. Youth who do not have parents who share their expectations on risky behaviors are more likely to engage in them compared to those who do (Wang, B., & et al., 2014). Within Wood County, students reporting not having these healthy interactions with their parents or guardians appeared to have high rates of substance use and sexual activity. These risky behaviors are likely to be carried on through youth into adulthood and expectations around them will likely not be communicated with their children, leading to cyclical risky behaviors not being addressed in future generations.
Over half of Wood County High School students reported having an average of 3 or more hours of screen time daily, as shown in Chart 10 (Wisconsin Department of Public Instruction, 2017). The suggested consumption of screen time is no more than 2 hours a day as well as getting an hour of physical activity. Any screen time more than 2 hours should be considered in excess (Centers for Disease Control and Prevention, 2018c). One of the largest contributors to excess screen time is the ease of access to technology and screens more than ever. This is due to decreasing costs in technology, mass production, and advertising, especially to younger populations. The health concerns linked to excessive screen time are childhood obesity, internet safety issues, behavioral issues, aggression, problems at school, and a lack of sleep (American Academy of Pediatrics, 2013).

Cyber bullying for younger generations has been on the rise in recent years due to youth being more connected to the internet and social media than any previous generation. About 1 in 5 students in Wood County reported having been cyber bullied (Wisconsin Department of Public Instruction, 2017). Youth used to be bullied at school, but would be safe outside of school. Now that youth can be bullied via the internet through chat or social media, youth cannot escape it unless they avoid their screens. This added bullying is associated with poor mental health outcomes, decreased academic achievement, health complaints, substance use, and suicidal behavior. Parents should try to remain aware of what their children are doing online, monitor their usage and content, and take appropriate action such as talking to their child or reporting inappropriate behavior (United States Department of Health & Human Services, 2017).
This section describes the impact of community health improvement initiatives implemented by Marshfield Medical Center (MMC) since its last CHNA report was published in 2016. The hospital monitors its programs to measure and determine their effectiveness to ensure that best practices continue to guide MMC’s programs and efforts.

Each community health priority identified in the 2016 CHNA report is listed below, along with a description of the activities completed by the hospital.

**ALCOHOL AND OTHER DRUGS ABUSE**

**Strategy 1: Systems Changes Related to Use and Prescribing of Opioids in Hospital and Clinic Settings**
- On February 5, 2019, Marshfield Clinic Health System revised and accepted The Opioid Prescribing Policy. The scope and purpose of this policy is based on key elements of the State of Wisconsin Medical Examining Board policy on opioid prescribing for non-cancer pain. This policy is intended to help providers make informed decisions about acute and chronic non-cancer pain management. The goal is to minimize potential risk to all patients and individuals that may be around those patients that could be intentionally or unintentionally exposed to opioid medications. Providers are encouraged to implement best practices for responsible prescribing.

**Strategy 2: Maternal and Neonatal Health**
- MMC works with mothers and families who are patients at the hospital who demonstrate risky behaviors related to the use of drugs or alcohol by offering referral to Wood County Social Services and other appropriate services. These referrals and services are offered to all MMC patients. If there is a high risk/risky behavior type patient/family, social services is consulted while inpatient. With the acquisition of St. Joseph’s Hospital and adoption of the CHNA and IS from the hospital, data regarding the number of families offered and or referred to Wood County Social Services were not tracked. There were challenges with the data collection and tracking process.

**Strategy 3: Alcohol and Other Drug Abuse Coalition**
- There were several Marshfield Clinic Health System employees involved in the county-wide coalition addressing alcohol and other drug use and abuse. While there has been one hospital staff involved in the Wood County Drug Task Force and one involved in the Marijuana Workgroup for the past few years, several Marshfield Clinic Health System staff has been involved in many community groups and coalitions related to alcohol and other drug abuse. Overall from Marshfield Clinic Health System, there were over 10 staff consistently involved in the community with the Wood County Drug Task Force, Alcohol Workgroup, Marijuana Workgroup, AOD Prevention Partnership, and AOD Steering Committee. Staff has been active and engaged partners in community coalitions and groups, assisting with educational presentations, policy, environmental, system and community efforts.
MENTAL HEALTH

Strategy 1: Intervention and Referral
- All 48 Emergency Department staff were required to attend the Management of Aggressive Behavior (MOAB) training. This training provides principles, techniques, and skills for recognizing, reducing, and managing violent and aggressive behavior. The program also provides humane and compassionate methods of dealing with aggressive people. In addition, patients with mental health needs have been referred or provided resources by Emergency Department staff through various forms such as crisis information, referral for behavioral health services, and transfers to mental health facilities as appropriate.

Strategy 2: Childhood Trauma
- Through the Child Life Program Productivity Tool, the goal was that 95% of patients would indicate on the evaluation that they had a positive experience and would like to see a Child Life Specialist the next time that they were in for treatment. According to the Patient Satisfaction survey, 99.7% of patients indicated a positive experience and were interested in seeing a Child Life Specialist in a future visit. The few that responded “no” were patients who were aging out and coping well with their medical treatment.

- It is important that Child Life staff at the hospital participate in trauma informed care educational programs. In 2016, the baseline was 1 out of 8 staff (12.5%) had participated in trauma informed care educational programs. There are now 3 out of 10 Child Life staff who have participated in trauma informed care training. Two staff completed Trauma Informed Care programs at the beginning of 2016 and one staff completed an educational program in 2018. With all of the changes that occurred over the last three years with the sale of the hospital, the Child Life team had not been able to send additional staff to participate in trauma informed care programs.

Strategy 3: Mental Health Coalition
- Mental Health Matters is a Wood County Coalition, in which one hospital staff has been involved in this county-wide coalition. Additional Marshfield Clinic Health System staff have been involved in this community coalition as well. MCHS staff have been engaged and active partnerships through their participation in the Mental Health Matters Coalition, Mental Health Conference, and QPR subcommittee. In the city of Marshfield, there is the Marshfield Area Coalition for Youth, which supports the Mental Health Coalition in the Marshfield area. Several MCHS staff including hospital staff are actively involved in this coalition through meeting attendance, leading the coalition and support community-wide efforts.

CHRONIC DISEASE

Strategy 1: Prevention and Management
- Pre-acquisition of the hospital, there were funding provided to St. Vincent DePaul Free Medical Clinic to support free prescription medication. This was a strategy that was from an Implementation Strategy that was adopted from the previous hospital. Post-acquisition of the hospital, MMC has not provided funding to support free medications at St. Vincent DePaul Free Medical Clinic. However, pharmacists employed by MMC volunteer to provide pharmacy-related services at St. Vincent DePaul Free Medical Clinic.
Strategy 2: Chronic Disease Prevention and Management Coalition

- Recreate Health is a Wood County Coalition that addresses healthy eating and active living through policy, systems, and environmental changes. A hospital staff has been involved in the Recreate Health Coalition and actively participates in Recreate Health Coalition meetings as well as in subcommittees that focus on the local farmer markets, community food center, and bike share projects. Additionally, hospital staff participate in the Healthy Lifestyles Marshfield Area Coalition, which also addresses healthy eating and active living in the Marshfield area. Pertaining to the Healthy Lifestyles Marshfield Area Coalition, hospital staff actively participated in the community garden committee, nutrition committee, and physical activity committee to support committee meetings and community events.

HEALTHY GROWTH AND DEVELOPMENT

Strategy 1: Intervention in Early Childhood to Improve Healthy Growth and Development

- As of June 2019, MMC has not attained the status of a Baby Friendly Hospital. The hospital received 2 letters of approval from Administration to begin the process of looking into what would be required (which is extensive) prior to the acquisition when the hospital was still Ascension St. Joseph's Hospital. It was later discovered that if the process was started under one name (i.e. Ascension St. Joseph’s Hospital) the process cannot continue under a different facility name (i.e. Marshfield Medical Center). The process normally takes 2-4 years to complete. Therefore, the process was discontinued due to the acquisition. MMC continues to work towards this designation although haven’t officially entered an application due to constraints regarding time, funding, and staff capacity needed to support it. In the meantime, staff who are involved in this effort have completed staff education and policy review that will be required if the hospital chooses to submit an application. As well, data that is required continues to be collected.

Strategy 2: Injury Prevention Programs

- The Distracted Driving program through Kohl’s Cares for Kids Prevention Program was discontinued when Kohl’s decreased their number of grants given to hospitals about 3 years ago. MMC has not been receiving funding from the Kohl’s Cares for Kids Prevention Program. Any initiatives that may have been related to that program have been discontinued. However, the hospital’s Trauma Injury Prevention Program does education in distracted driving as well as car seats. MMC is an active partner in Safe Kids Wood County, which is a county-wide coalition. A MMC staff is also the coordinator of Safe Kids Wood County. Through this coalition, car seat checks are conducted twice a month, which is available at MMC and at the Marshfield Fire Department. Safe Kids Wood County also provided distracted driving simulations and bicycle and helmet safety education.

Strategy 3: Healthy Growth and Development Community Coalition

- The Brighter Futures Coalition is a county-wide coalition addressing healthy growth and development. There has been no hospital staff involved in the Brighter Futures Coalition; however, there is a MCHS staff who is actively involved in the Brighter Futures Coalition. As mentioned previously, there are hospital staff who are involved in leads Safe Kids Wood County, which is a county-wide coalition focused on preventing trauma and injury in kids.
This section describes the impact of community health improvement initiatives implemented by Aspirus Riverview Hospital and Clinics since its last CHNA report was published in 2016. Each community health priority identified in the 2016 CHNA report is listed below, along with a description of the activities completed by the hospital.

Mental Health

**Strategy 1: Enhance access and reduce barriers to utilize mental health services by residents, with a focus on at-risk populations**
- Aspirus Riverview Hospital enhanced access to mental health services with the opening of its behavioral health clinic in August 2018. The clinic provides care with three psychiatrists, two psych-certified nurse practitioners and licensed clinical social workers.
- Aspirus Riverview Hospital provides counseling care in the Wisconsin Rapids Area Schools one day a week, eliminating the barrier for children to get to therapy appointments.

**Strategy 2: Decrease mental health stigma within structural and social settings**
- Staff time and resources are dedicated to serve on the Mental Health Matters leadership team and coalition. The coalition coordinated community trainings and presentations to address these issues.

**Strategy 3: Improve integration between behavioral health and primary care providers**
- Aspirus Riverview Hospital provides patient coordination through its behavioral health coordinators. The coordinators work to provide integration from referral in primary care to behavioral health services.

Alcohol and Substance Use

**Strategy 1: Reduce and prevent the misuse of prescription drugs, methamphetamine and heroin**
- The Aspirus Opioid Governance Council developed a system-wide opioid prescribing policy along with checks to ensure safe and responsible prescribing.
- Aspirus Riverview Hospital partnered with the Wood County Drug Task Force on efforts to provide public awareness and education.

Chronic Disease

**Strategy 1: Community-Clinical Linkages**
- Aspirus Riverview Hospital providers give tokens for fresh vegetables at the farmers market to patients struggling with food security.
Healthy Growth and Development

Strategy 1: Improve oral health outcomes for prenatal through preteen populations
- Aspirus Riverview Hospital operates a dental clinic, providing oral health care to individuals that are uninsured and children on Medicaid to ensure their needs are being met.

Strategy 2: Improve health outcomes for preconception through early childhood populations
- Prenatal education is provided free of charge to all expecting mothers, eliminating cost as a barrier to receive this vital education.
- Children receive a free book at their well-child visits through the Reach Out and Read program. When pediatricians promote literacy there is a significant effect on parental behavior and attitudes toward reading aloud, as well as improvements in the language scores of young children who participate.