*MyMichigan Medical Center Midland*

# COMMUNITY HEALTH NEEDS ASSESSMENT 2025

MyMichigan Health
UNIVERSITY OF MICHIGAN HEALTH

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# Letter to Community

June 2025

Dear Community Members and Partners,

At MyMichigan Health, our Purpose Statement is: “Creating Healthy Communities – Together.”

Community health improvement is a daunting challenge. In fact, it is far too great for any single organization to achieve. However, it can be achieved together with the help of community partners like you. Whether in the public health, foundation, nonprofit organization, government, or the health care sector, or those with first-hand experience that live, work, play and age within our communities – all can make a difference.

The Community Health Needs Assessment (CHNA) process is one way to make a difference. The CHNA offers a valuable opportunity to listen and gain input on what health concerns matter most to those in our communities. As part of that process, we seek the most impactful, evidence-based ways to work together to improve the health of our communities. Collectively, we have worked hard to address key priorities identified in previous CHNAs to move the needle on health indicators. As a result, we have implemented programs and developed new processes to provide care and affect social determinants of health to those most in need. We are proud of what we have accomplished thus far, but also understand there is still much work to be done.

It is through our CHNA process, using data and stakeholder input, that we measure and obtain a detailed snapshot of our region’s health needs and how best to address barriers to achieving a healthy life. We know that individuals and families can best achieve a healthy life when they are able to make positive health choices in settings where barriers to health are addressed and removed.

MyMichigan Health takes its role as an anchor institution, a community leader and trusted partner in our communities very seriously. We know that we serve as a major employer, purchaser, leader, and participant in interconnected relationships with you, for the good of our community’s health.

MyMichigan Health understands its responsibility to set standards of care not only in our clinical settings, but also in the towns, community centers and classrooms where we serve. Our efforts to strengthen and integrate our clinical and community programs, together with our community partners, is how we become successful in our challenge to improve health.

It is our pleasure to provide this 2025 MyMichigan Medical Center Midland Community Health Needs Assessment. In accordance with policy, the Board of Directors reviewed and approved this report on 2/28/2025. We invite you to explore this report and join us as we engage in addressing the critical health issues in our community.

Sincerely,

DocuSigned by:
President, Midland Medical Center

Signed by:
Bridgette M. Grandeen
Chair, Board of Directors

Manager, Community Health

Executive Director, Population Health

Figure 1: Signatures

# Acknowledgements

MyMichigan Medical Center Midland is pleased to share with you the 2025 Community Health Needs Assessment. We adopted and modified the Mobilizing for Action through Planning Partnerships (MAPP) process to meet the needs of MyMichigan Health, our partners and the community. This is a health system led and community-driven strategic planning process for improving community health. This report represents our commitment to identify and address the barriers in our communities that impact their health.

MyMichigan Medical Center Midland would like to give a special thank you to all of those who have been involved in the development of the CHNA. This includes Saginaw Valley State University student, Ellie Dittenber in addition to Department of Health Sciences Associate Professor, Dr. Megan Baruth their efforts in developing, disseminating, collecting and analyzing our Midland County Health Survey. All of these partners took part in an extensive process that started with planning, collecting and analyzing data to identify the top strategic health issues that our communities face. Collecting qualitative and quantitative data through our process enabled us to have a deep understanding of the challenges that our community faces.

This understanding enables us to develop our Community Health Improvement Plan (CHIP) that will guide our efforts over the next three years to impact health outcomes in our community.

## Thank you to our Community Health Needs Assessment Partners

Community Health Assessment & Improvement Committee

United Way of Midland County

The Legacy Center

Senior Services

Ten16

Midland Business Alliance

Shelterhouse of Midland

Community Mental Health

Great Lakes Physicians Organization

Midland's Open Door

211 of Northeast Michigan

Midland County Health Department

Saginaw Valley State University

Figure 2: Community Health Needs Assessment Partners

# Executive Summary

The Community Health Team of MyMichigan Health supports the Community Health Needs assessment (CHNA) as a key component of improving population health. Our assessment and corresponding plans reflect the purpose and core values to MyMichigan Health. We truly believe that health happens where we live, learn, work and play and that all people should have the opportunity to make choices that allow them to live a long, healthy life, regardless of their income, education or ethnic background.

MyMichigan Medical Center Midland, with community partners, conducted this CHNA using a modified Mobilizing for Action through Planning Partnerships (MAPP) process that assessed the current health status of the community based on identified needs according to benchmark comparisons in secondary public health data and primary data collected through community surveying for community input, and the development of a Community Health Improvement Plan (CHIP). The process included several community partners that collected, reviewed and analyzed public health data, completed and distributed the community health survey, identified priorities and set goals for the 2022 CHIP.

## Community Health Status

Midland and Bay are neighboring counties in the Mid-Eastern section of Michigan's lower peninsula. Midland county ranks in the top quartile of healthiest counties according to County Health Rankings, while Bay County ranks in the second and third quartile for health outcomes and health factors, respectively. Despite the difference in health outcomes and factors rankings, these communities share many characteristics. The percentage of the populations living in rural areas are about 36%, and the age of the population is increasing for both counties. Both counties also share health concerns related to chronic conditions such as adult and youth smoking rates, and cancer incidence rates. Substance Use Disorder, Drug Overdose Deaths and Suicide remain high in Bay county and continue to rise in Midland County as well.

## Community Health Survey

A community health survey was conducted in Midland County between the months of October 2024 and December 2024, surveying members of Midland County in both the rural and in town demographics. The process of surveying, data collection and analysis identified key themes of ongoing issues of health behaviors that may lead to diabetes and obesity, risk factors for many chronic conditions. Also included in this assessment is the Midland County Youth Survey that identified increasing rates of youth substance use and suicide attempts.

## Community Health Improvement Plan

Two focus areas were adopted and approved by the MyMichigan Medical Center Midland Board of Directors, at the recommendation of the advisory committees and community partners. These focus areas will have specific targets for community health impact based on the data collected and analyzed:

Figure 3: Focus areas

# Overview of MyMichigan Health

MyMichigan Health, a non-profit health system headquartered in Midland, Michigan, is a leader in providing award-winning, high-quality care to the 26-county region it serves. With Medical Centers in Alma, Alpena, Clare, Gladwin, Midland, Mt. Pleasant, Saginaw, Sault Ste. Marie, Standish, Tawas, and West Branch, MyMichigan also has affiliations with Medical Centers in St. Ignace and Mackinac Island. MyMichigan Health provides a full continuum of care across a wide array of settings, including urgent care centers, home health, virtual care, as well as medical offices in more than 80 specialties and subspecialties including cardiology, family medicine, hematology/oncology, neurosciences, orthopedics, pediatrics, vascular surgery, and more. MyMichigan Health demonstrates its commitment to the future of medicine by partnering with leading institutions to offer medical education programs that train medical students, physicians, nurse practitioner and physician assistant students, nursing students, and other clinical experts from our region. Its more than 13,800 employees, volunteers, health care providers and other personnel work together to create healthy communities through solutions designed to meet the ever-changing needs of the more than 1 million residents in the health system's 26-county service area. In fiscal year 2023, MyMichigan Health provided $128 million in community benefits, as well as supported its patients and families with new equipment, services and programs with funds raised by the MyMichigan Health Foundation.

Figure 5: Our Communities

**Feedback is welcomed via CommunityHealth@mymichigan.org**

# Overview of Community

MyMichigan Medical Center Midland sits in Midland County, located in the beautiful Great Lakes Bay Region. With a population of over 80,000, Midland County is approximately 36% rural with a full array of services, including police and fire protection, planning and community development, horticulture, 72 parks and 2,700 acres of park land, a robust array of recreational activities, community affairs, transportation services via Dial-A-Ride, Jack Barstow Airport and much more. Midland is known as "The City of Modern Explorers" and has long been recognized as a leader in the health, science and chemical industry. Midland hosts the sites of MyMichigan Health, Dow, DuPont and Corteva Agriscience, state and national leaders in their respective fields. In Addition, Midland is also home to Northwood University, as well as satellite campuses for Central Michigan University, Delta College and Davenport University.

Figure 6: Image of Tridge in Midland, MI

MyMichigan Medical Center Midland is a 324 licensed-bed hospital located on 225 acres of wooded campus in beautiful Midland, Mich. A leader in providing high quality, state-of-the-art health care, the Medical Center in Midland is the flagship of the award-winning MyMichigan Health system. MyMichigan Medical Center Midland has an environment of superior healing, infection control and patient safety. The Medical Center offers a range of primary care services, outstanding specialty care and emergency care, with excellence in cardiovascular, cancer, neuroscience, obstetrics, orthopedics, rehabilitation, diabetes and other services. Ancillary services include CT scanning, radiation therapy, chemotherapy, laboratory, pharmacy, cardiac catheterization and magnetic resonance imaging. Accredited by The Joint Commission, MyMichigan Medical Center Midland has become a regional referral hospital for the northern and middle areas of the state. The medical staff in Midland includes more than 160 active physicians representing more than 80 specialties and subspecialties. It is also a teaching hospital, with a three-year residency program in family medicine and clinical affiliations for training medical students

from Michigan State University and Central Michigan University. The Medical Center employs more than 4,000 employees, making it the largest employer in Midland County. Together, the Medical Center's workforce, health care providers, as well as hundreds of volunteers work together to create healthy communities through solutions designed to meet the ever-changing needs of the residents in its service area. To learn more about MyMichigan Medical Center Midland, visit mymichigan.org/midland.

**Community Served at MyMichigan Medical Center Midland**

The service area in Midland County is comprised of zip codes: 48618 (Coleman), 48620 (Edenville), 48628 (Hope), 48640 (Midland), 48641 (Midland), 48642 (Midland), 48657(Sanford), 48667 (Midland), (48670) Midland), 48674 (Midland) and 48686 (Midland). Services for MyMichigan Medical Center Midland extends to: 48706 (Bay) 48708 (Bay), 48611 (Auburn) and 48623 (Freeland)

# Framework/Methodology

The Community Health Needs Assessment (CHNA), while a requirement every three years under the Patient Protection and Affordable Care act for our tax exempt status, is an important reflection of MyMichigan Health's mission, vision, core values and the system's goal to become a leader in our regions to improve the health of our communities. Community is a foundational element in MyMichigan Health's strategic plan, and we believe that all people should have the opportunity to make healthy choices for a long, prosperous life, despite an individual's socioeconomic status, education or background. The CHNA, as a key component for identifying top health concerns in a given area, will be vital in accomplishing the four objectives of the "Quadruple Aim": Improve health outcomes in the community, enhance patient experience, enhance provider experience and reduce the cost of care. The primary purpose for the Community Health Needs Assessment for MyMichigan Medical Center Midland is to gain an understanding of the health needs caused by disparities in social determinants of health (SDOH) as well as strengths in the given service area. We do so by analyzing a large and specific collection of data and community input in Midland County. Bay county public health data is included for evolving strategic awareness and was not included in the prioritization of focus areas. With this understanding of the needs in our communities, we are equipped to develop a three-year strategic plan to improve the health outcomes in our communities and build health improvement capacity for the future health of its residents.

## 2025 CHNA Process

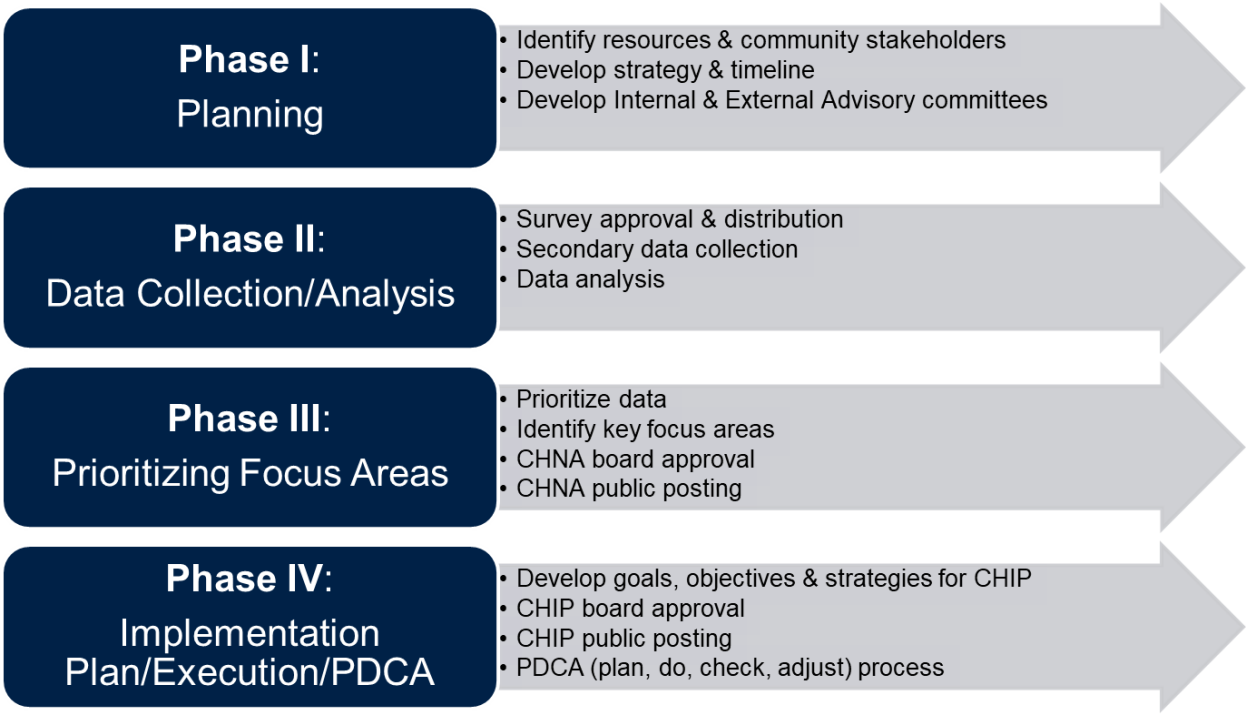



Figure 7: 2022 CHNA Process

**Phase I**: Planning for the CHNA strategy

Identifying resources and community stakeholders within the Medical Center's service area is a critical component to the CHNA. The community Health team participates in community collaborative groups that are comprised of local organizations and community leaders who focus on the health of the residents. These groups include local non-profit organizations, public health agencies and health coalitions that collaborate to achieve mutual health related goals. Phase I of the CHNA process includes the development of a strategy and timeline to be approved by the MyMichigan Health Leadership Team, who is utilized as an internal advisory committee, and the president of MyMichigan Medical Center Midland.

**Phase II**: Data collection and analysis

Forms of primary and secondary data from the Midland service area are utilized to perform analysis. **Primary data** will include the input of those representing the local communities. This local input is provided through a survey comprised of questions that are intended to provide an overview of the perceived health needs of community members. **Secondary data** includes over 200 public health indicators that are collected to determine the demographics and health status of the community serviced by MyMichigan Medical Center Midland. This data will be compared to established benchmarks in the State of Michigan and Leading Health Indicators (LHI) selected by Healthy People 2030. LHIs are a small subset of high-priority Healthy People 2030 objectives selected to drive action toward improving health and well-being. LHIs impact major causes of death and disease in the United States and can drive collaboration between organizations and the community. Any health indicator that fails to meet the benchmarks will be identified as a need in the community**.** This data will then be categorized to determine areas of focus were health issues exist.

**Phase III**: Prioritizing Focus Areas

This phase involves using specific analytic practices to determine focus areas and decide our top priorities in order to develop an implementation plan. Each indicator from primary and secondary data will be scaled and categorized into a subset piece of data to determine where our needs are in our community and how we can address them. The community health specialist will work with internal and external sources to determine focus areas and provide a communication document that can be reviewed. This data and focus area prioritization will be presented to the Population Health Collaborative Team for input and approval. It will then be collected and presented to the Board of Directors for approval and placed on the MyMichigan Health website for public view and comment.

Figure 8: PDCA Cycle

**PHASE IV**: Develop Implementation plan/execution/PDCA

Once the data and focus areas are approved, the next step will be to develop a comprehensive, three-year implementation plan that outlines specific goals, objectives and strategies to improve the health outcomes

of the community. Review of the focus areas and data analysis will determine what our goals will be, and objectives will be created with those goals in mind and strategies to complete.

# Community Survey Process

The 2024-2025 Midland Health Survey was conducted to understand the health and health needs of people living in Midland County. The 2022 Midland Health Survey served as the basis for the 2024-2025 survey. The Saginaw Valley State University team worked with the Health and Human Services Council (HHSC) to adapt the survey to ensure it met the needs of the HHSC and Midland County agencies, and collected data on any health issues/factors emerging since the previous data collection.

The Saginaw Valley State University team aimed to collect data from a sample across Midland County, including a representative sample from the city and out county areas. Efforts were also made to obtain a sample that was representative of the Midland County population (age, gender, race, education, income).

Data collection occurred via online and paper surveys. Qualtrics was used to administer the online survey and the link was advertised in the local newspaper, and on HHSC agency websites and social media accounts. The face-to-face survey was administered at various locations throughout Midland County. Site-specific locations for data collection were determined in collaboration with the HHSC of Midland County to maximize access for researchers to reach the target population. An incentive was offered to all those completing the survey (a $10 gift card to Meijer, the Bridge Food Store, or the Coleman Community Market). The sample generated a total of 803 surveys to be used for analyses (633 online surveys and 170 paper surveys). Table 1 shows the demographic profile of the survey respondents.

| | | Midland County Sample (%) |
|---|---|---|
| Gender | | |
| | Male | 22.6 |
| | Female | 75.3 |
| | Transgender or non-binary | 1.2 |
| | Identity not listed | 0.1 |
| | Prefer not to share | 0.7 |
| Sexuality | | |
| | Heterosexual/straight | 90.7 |
| | Homosexual/gay/lesbian | 2.0 |
| | Bisexual | 3.7 |
| | Orientation not listed | 1.3 |
| | Prefer not to share | 2.4 |
| Age | | |
| | 18-24 | 9.1 |
| | 25-34 | 14.8 |
| | 35-44 | 26.6 |
| | 45-54 | 19.0 |
| | 55-64 | 14.2 |
| | 65+ | 16.3 |
| Race | | |
| | White or Caucasian | 94.9 |
| | Black or African American | 0.7 |
| | Asian or Asian American | 1.5 |
| | American Indian or Alaska Native | 0.6 |
| | Two or more races | 1.2 |
| | Other | 1.0 |
| Origin | | |
| | Hispanic or Latino origin | 2.6 |
| | Non-Hispanic or Latino origin | 97.4 |

| | |
|---|---|
| Ethnicity | |
| Middle Eastern or North African | 0.6 |
| Not Middle Eastern or North African | 99.4 |

Table 1: Midland Health Survey Demographics

# Demographics

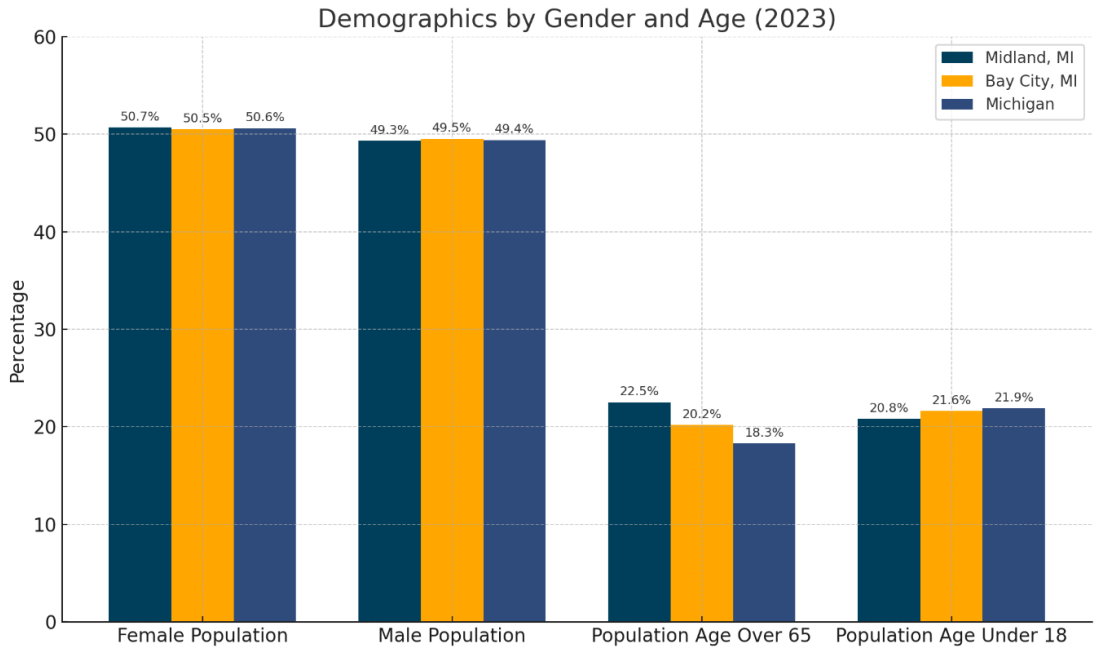



**Table 2: Population by gender & age (2023)**

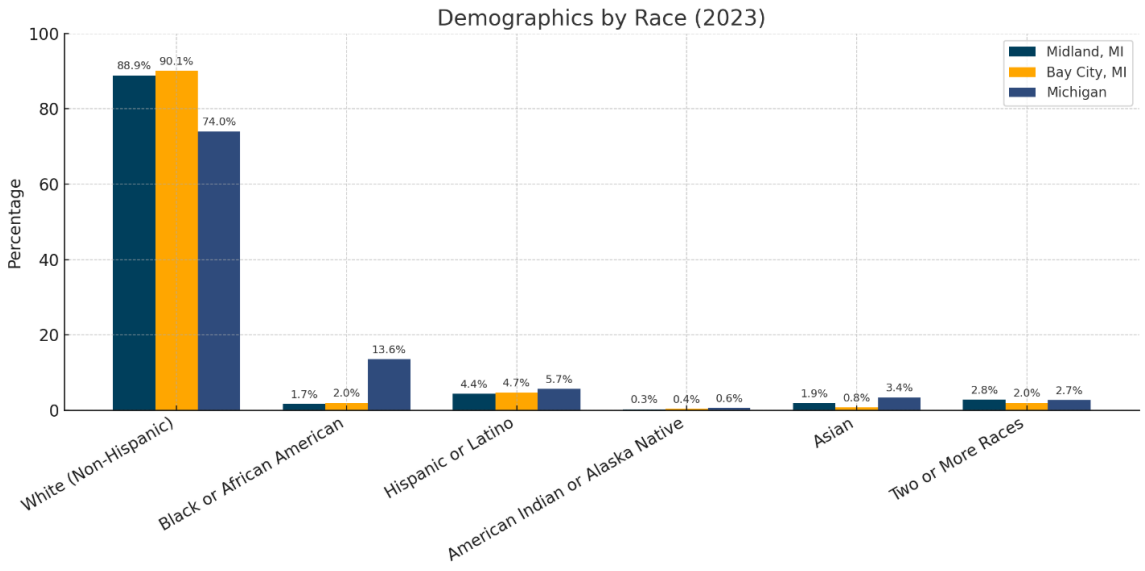



**Table 3: Demographics by Race (2023)**

# Social Determinant of Health

The Social Determinants of Health (SDOH) are classified as conditions in the environment in which people are born, work, live, or play that affect their health and quality of life outcomes. Areas often included in SDOH frameworks include healthcare access and quality, education access and quality, social and community context, neighborhood and built environment, and economic stability.

Social Determinants of Health

## Economic Stability

Key issues within the economic stability function of SDOH include poverty, employment, food security, housing stability, and ALICE populations. ALICE is an acronym for Asset Limited, Income Constrained, yet Employed, and describes households that earn more than the Federal Poverty Level, but less than the basic cost of living for the county (i.e., those working, yet still struggling to have their basic needs met).

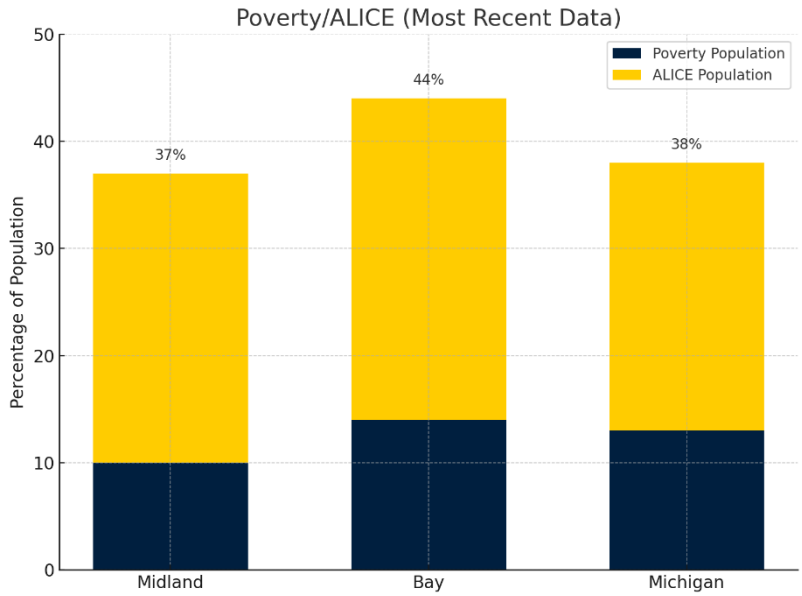



Table 4: Poverty and Alice Populations (2023)

| Median Household Income | | | |
|---|---|---|---|
| | Bay | Midland | Michigan |
| Median Household Income | $48,819 | $62,625 | $57,144 |

Table 5: Median Household Income (2015-2019)

| Unemployment Rate | | | |
|---|---|---|---|
| | Bay | Midland | Michigan |
| Unemployment Rate | 6.1% | 4.9% | 5.0% |

Table 6: Unemployment Rate (2021)

| Food Insecurity | | | |
|---|---|---|---|
| | Bay | Midland | Michigan |
| Food insecurity | 14.0% | 11.0% | 14.0% |
| Child Food Insecurity | 16.7% | 10.4% | 14.2% |

Table 7: Food Insecurity (2021)

## Education

Education status is a key function within the SDOH framework. Key issues such as graduation rates, enrollment in higher education, language and literacy, and early childhood education all play a vital role in the health and wellbeing of a community.

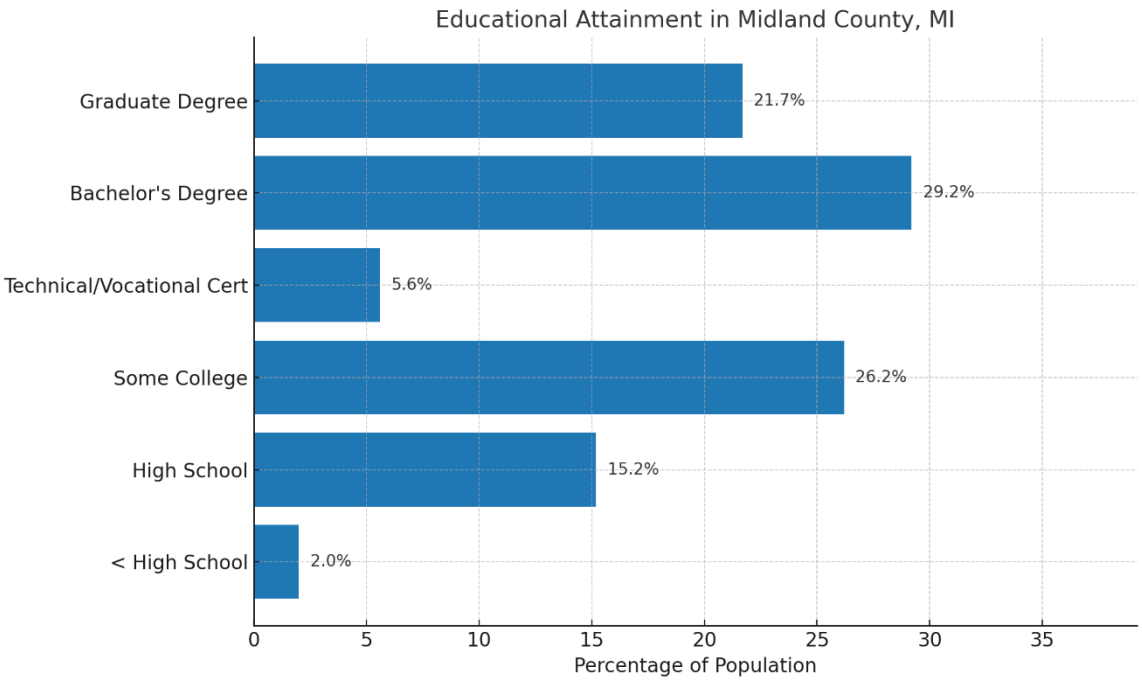



Table 8: Education (2024)

## Neighborhood & Built Environment

There are important connections between where an individual lives and their health and wellbeing. Factors such as neighborhood safety, transportation access, housing quality and standards, and air and water quality all play an important role in determining one's health status.

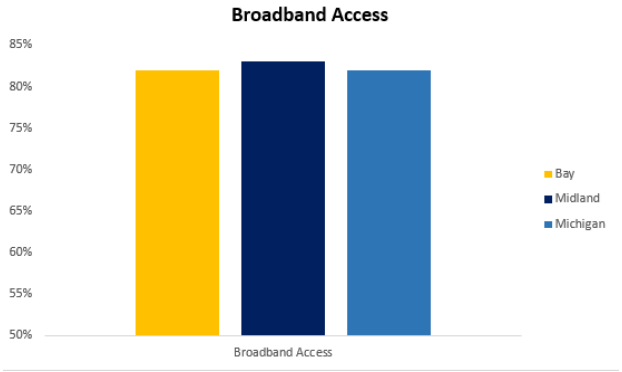



Table 10: Broadband Access (2015-2019)

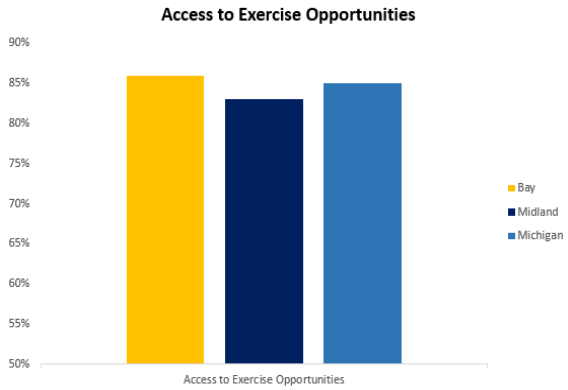



Table 11: Access to Exercise Opportunities

# Health Behaviors

Individual behavior plays a vital role in health outcomes. Health Behaviors are often defined as the actions that affect our health. These actions could include behaviors that lead to improvements in health, such as physical activity, healthy eating, and participating in preventive health care. Equally, actions that lead to detriments in our health are also considered health behaviors. These actions include behaviors that increase our risk of disease development, including increased alcohol intake, substance misuse, tobacco or vaping use, and delaying prenatal care.

**2024 Midland Health Survey**

| | 2015 | 2019 | 2022 | 2025 |
|---|---|---|---|---|
| Smoked cigarettes | 8.9 | 6.2 | 9.4 | 9.5 |
| Used Smokeless Tobacco | 1.8 | 2.6 | 3.5 | 2.2 |
| Used e-cigarettes or vaped | 4.9 | 3.7 | 7.7 | 9.5 |
| Exposure to secondhand smoke | N/A | 12.4 | 14.5 | 11.8 |

Table 14: Self-Reported Midland County Tobacco & Vaping use (2024 Midland Health Survey)

| | 2019 | 2022 | 2025 |
|---|---|---|---|
| Used for Medical Use | 1.9 | 6.7 | 6.4 |
| Used for Recreational Use | 4.7 | 10.7 | 10.9 |

Table 15: Self-Reported Marijuana Use (2024 Midland Health Survey)

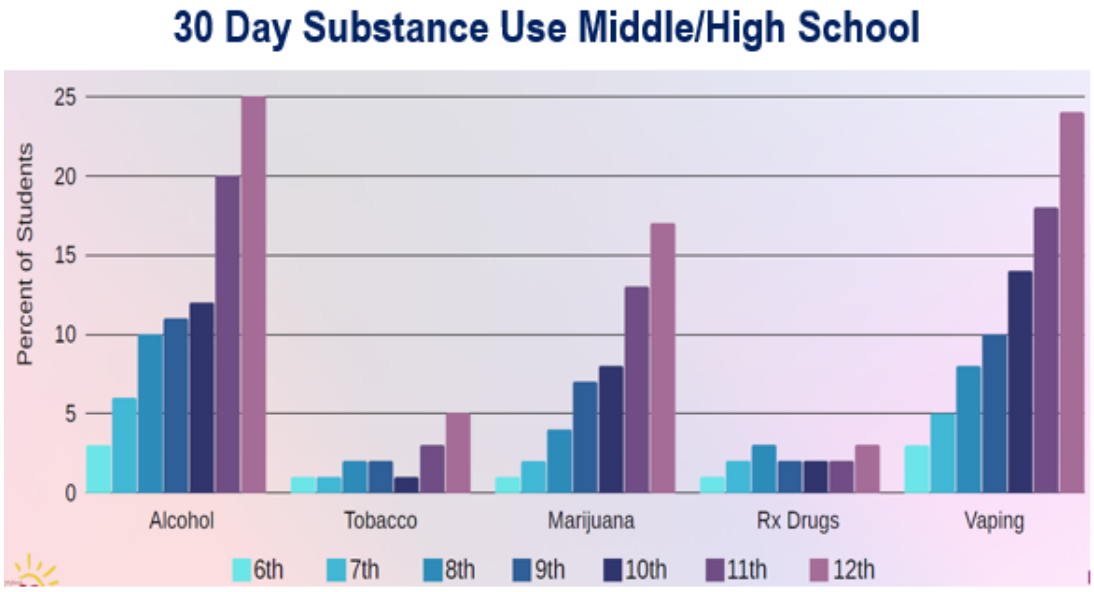



Table 16: 30 Day Substance Use Middle/Highschool (2021 Midland County Youth Study)

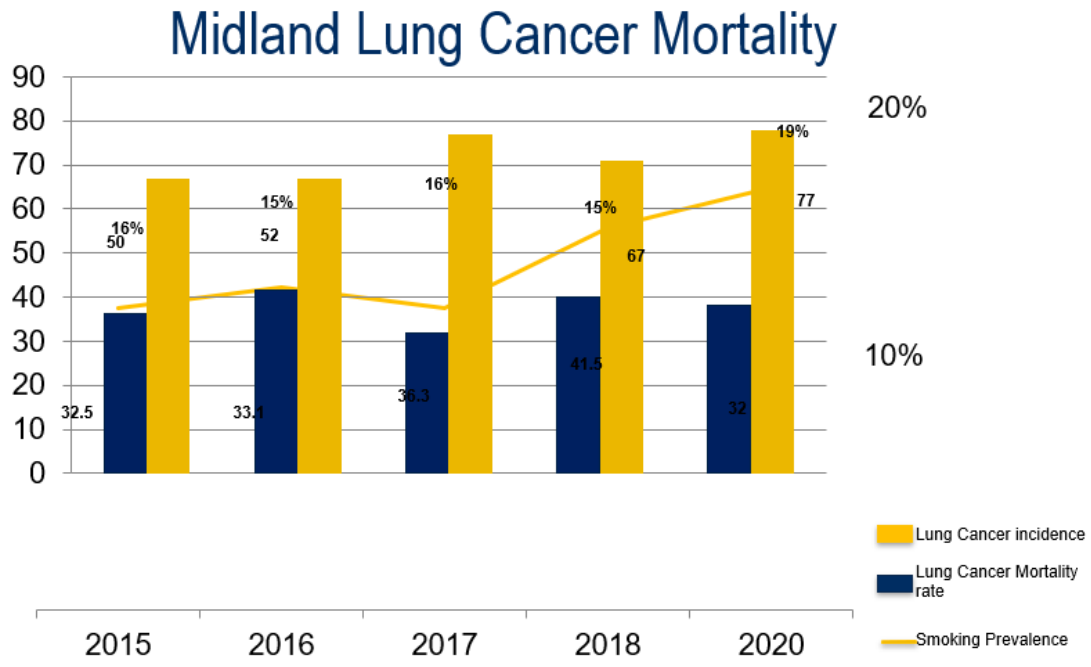



Table 17: Midland County Adult Smoking Prevalence with Lung Cancer Mortality (2015-2020)

# Chronic Conditions

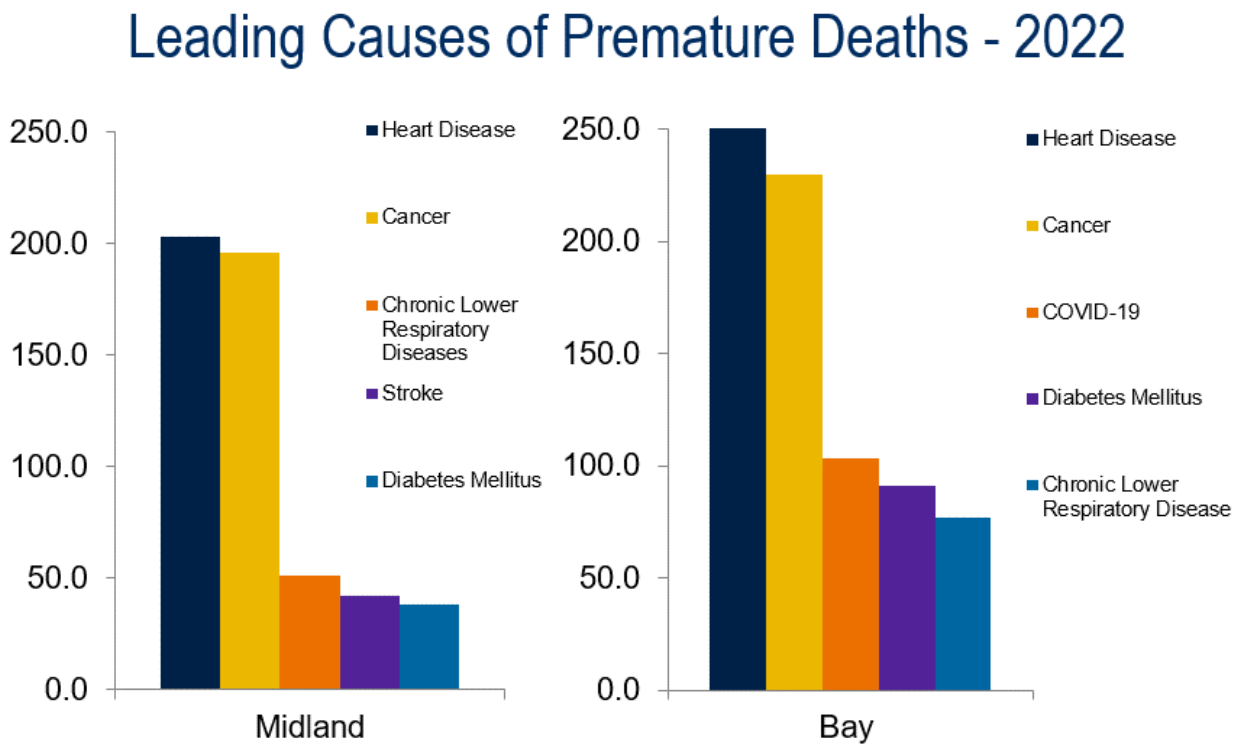
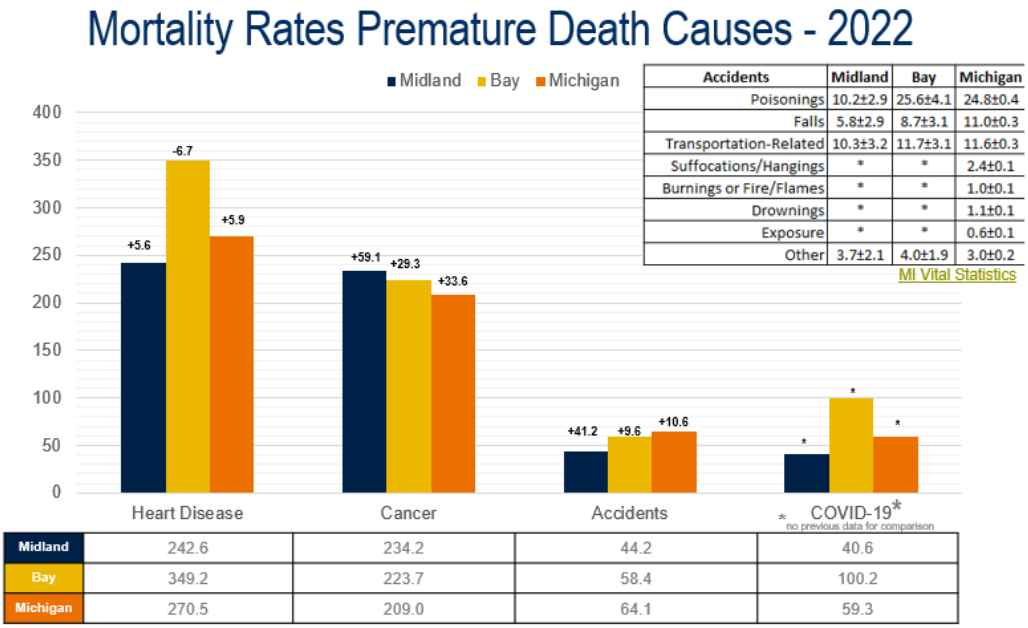



Table 18: Bay and Midland County Leading Causes of Premature Deaths, rater per 100k (2022)




| Accidents | Midland | Bay | Michigan |
|---|---|---|---|
| Poisonings | 10.2±2.9 | 25.6±4.1 | 24.8±0.4 |
| Falls | 5.8±2.9 | 8.7±3.1 | 11.0±0.3 |
| Transportation-Related | 10.3±3.2 | 11.7±3.1 | 11.6±0.3 |
| Suffocations/Hangings | * | * | 2.4±0.1 |
| Burnings or Fire/Flames | * | * | 1.0±0.1 |
| Drownings | * | * | 1.1±0.1 |
| Exposure | * | * | 0.6±0.1 |
| Other | 3.7±2.1 | 4.0±1.9 | 3.0±0.2 |

MI Vital Statistics

| | Heart Disease | Cancer | Accidents | COVID-19* |
|---|---|---|---|---|
| Midland | 242.6 | 234.2 | 44.2 | 40.6 |
| Bay | 349.2 | 223.7 | 58.4 | 100.2 |
| Michigan | 270.5 | 209.0 | 64.1 | 59.3 |

Table 19: Midland and Bay County Premature Deaths (2022)

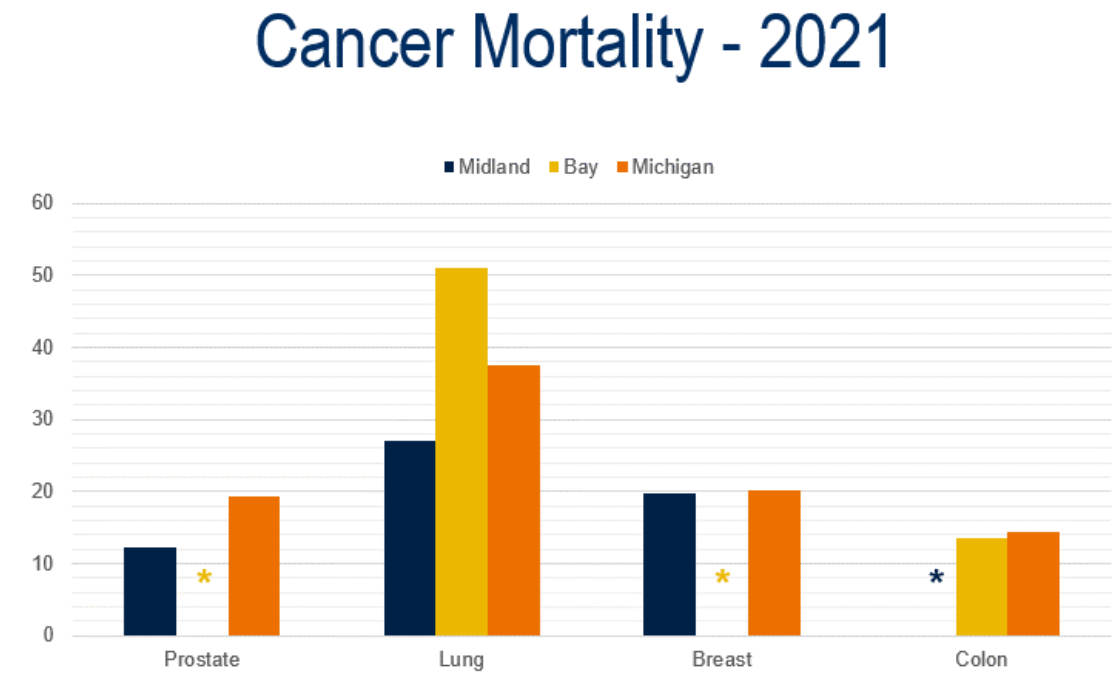



Table 20: Cancer Mortality Rates (2021)

# Behavioral Health

Behavioral Health is an all-encompassing term that often includes mental health, wellbeing, and substance use disorders, treatment and recovery. These elements of the behavioral health field have long been associated with an individual's overall health status and have an incredible impact on an individual's everyday life. As the fields of both Mental Health and Substance Use Disorders and Treatment have developed and continue to grow within the medical profession, continued growth in awareness and support for these issues is imperative.

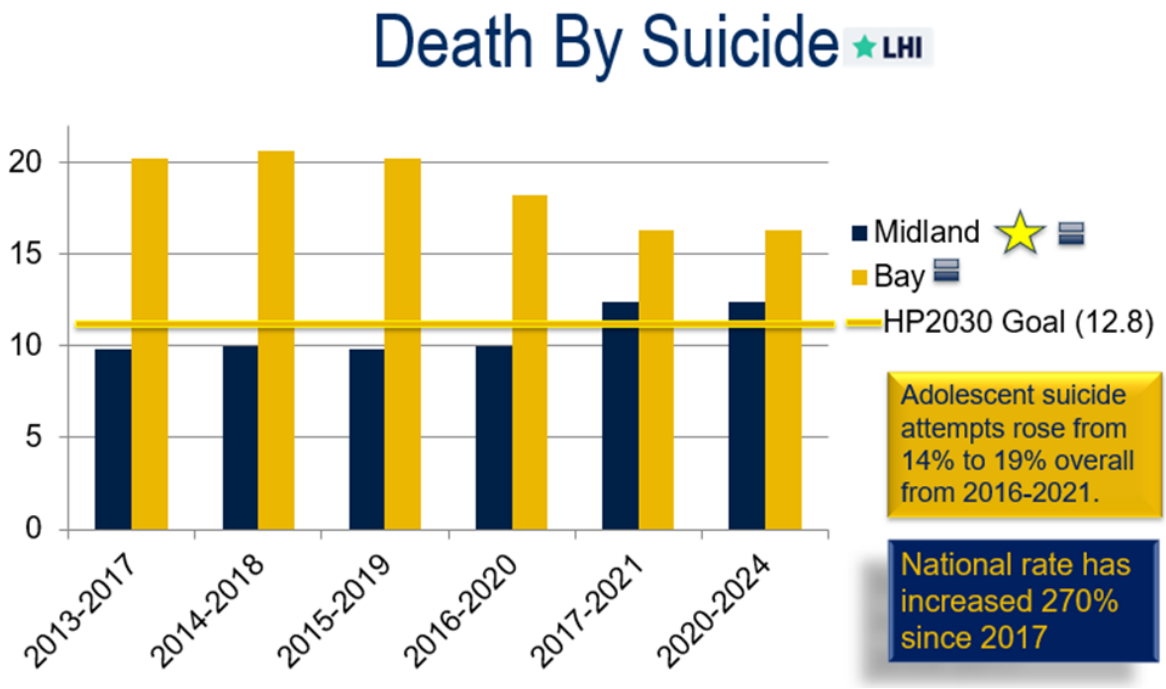



Table 22: Death by Suicide Midland and Bay County (2013-2024)

**Adolescent suicide attempts rose from 14% to 19% overall from 2016-2021 in Midland County**

Figure 10: Adolescent suicide attempts, Midland County

**National adolescent suicide rate has increased 270% since 2017**

Figure 11: National adolescent suicides

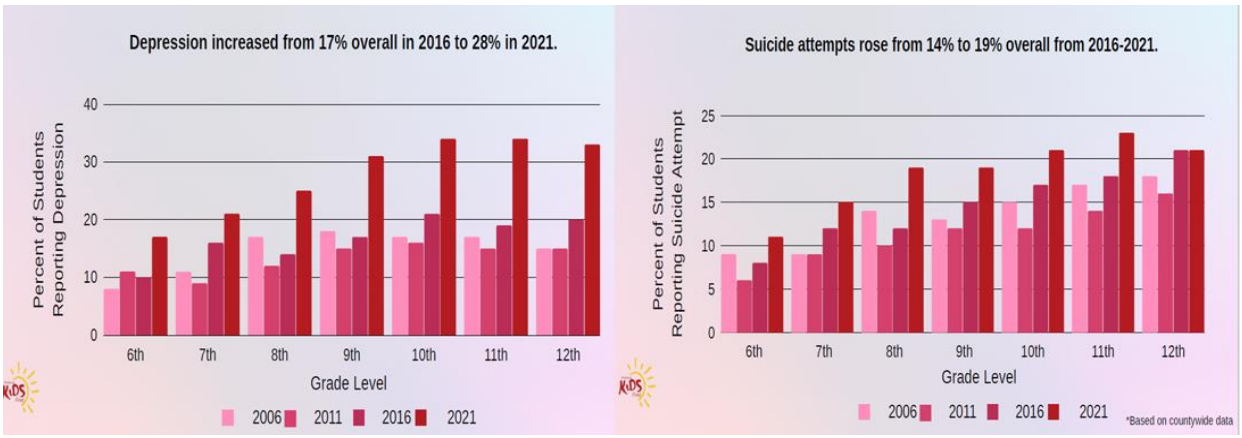



Table 23: Percent of students with Depression and suicide attempts from 2006-2021

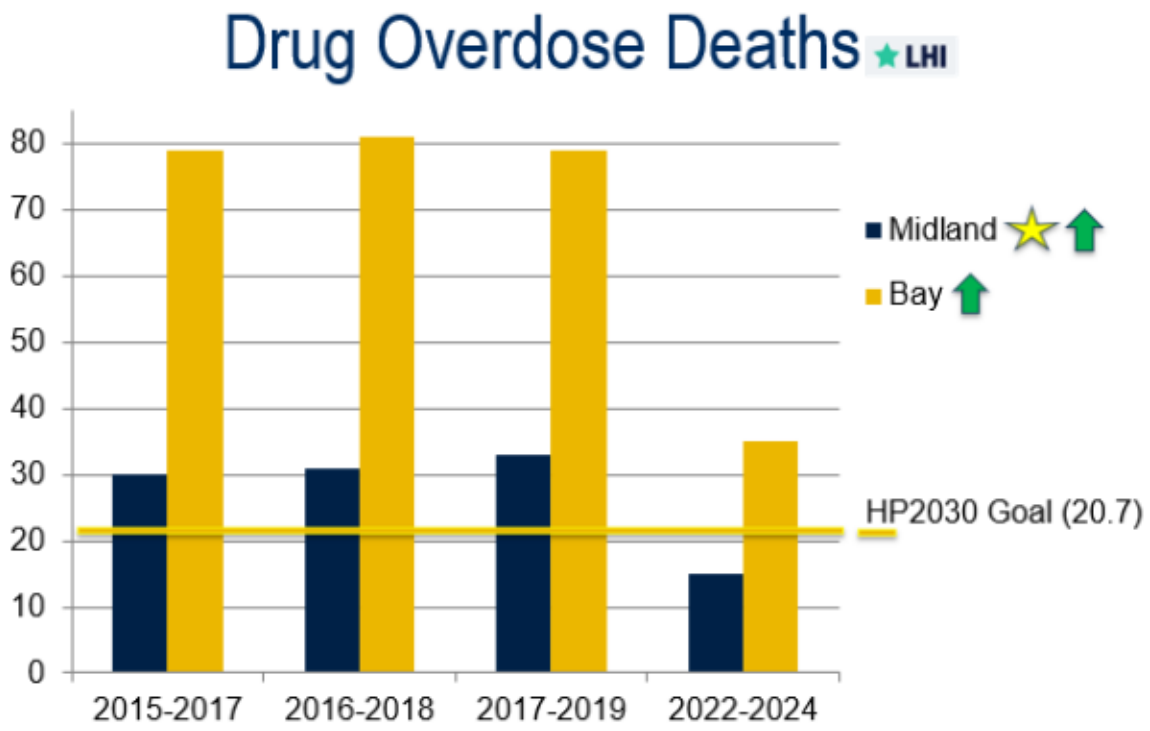



Table 24: Drug Overdose Deaths Midland and Bay County per 100,000 people (2015-2024)

Table 25: Midland County Mental Health (2024 Midland Health Survey)

| | 2015 | 2019 | 2022 | 2025 |
|---|---|---|---|---|
| Depression | N/A | 25.9 | 33.9 | 39.6 |
| Anxiety | N/A | 29.0 | 40.9 | 50.5 |

# Prioritization Process

Once both the primary and secondary data was collected, community health needs were determined and prioritized by reviewing qualitative and quantitative data. For Stage I, the Community Health team reviewed the collected health indicator data and identified data that demonstrated poor performance against established benchmarks (i.e., Michigan state averages or HealthyPeople 2030 goals). Once these health needs were identified, the External Advisory Committee assisted in theming and prioritizing the data points using the Hanlon Method.

Further prioritization continues in order to develop the final focus areas. Advisory committees work together to narrow down priorities based on modifiable risk factors shared across multiple health needs. In Midland County, high rates of obesity, an increasing diabetes mortality rate, elevated heart disease and cancer incidence, and declining cancer screening rates led to the selection of Chronic Disease Prevention as a key focus area. In particular, elevated lung cancer mortality and smoking rates further supported this decision, highlighting the need for coordinated prevention strategies. Similarly, rising rates of depression, anxiety, suicide, and substance use disorder—especially among youth—underscored the need for targeted strategies under the umbrella of Behavioral Health. These behavioral health concerns share modifiable risk factors related to mental health, youth development, and access to services. Final areas of focus were determined to be Chronic Disease Prevention and Behavioral Health.

# Improvement Plan

MyMichigan Medical Center Midland built upon the Improvement Plan developed in 2022 to develop a comprehensive plan to address health concerns., all while upholding MyMichigan Health's purpose statement, "Creating Healthy Communities – Together". The underlying premise for each MyMichigan Health member in completing the Community Health Improvement Plan is shared ownership for community health and wellbeing. While our previous Community Health Needs Assessment (2022) helped us to identify focus areas for health improvement, the IRS legislation mandating collaborative efforts provided an opportunity to revisit our needs assessment, strategic planning process, and partnerships.

The plan that follows includes goals and evidence-based strategies for the focus areas determined by MyMichigan Health's Community Health team, solicited input from the Midland External and Internal Advisory Committees, and approved by MyMichigan Medical Center Midland's Board of Directors on February 28, 2025.

# Appendix A: Partners

## Community Health Needs Assessment Partners

**Community Health Assessment & Improvement Committee**

**United Way of Midland County**

**The Legacy Center**

**Senior Services**

**Ten16**

**Midland Business Alliance**

**Shelterhouse of Midland**

**Community Mental Health**

**Great Lakes Physicians Organization**

**Midland's Open Door**

**211 of Northeast Michigan**

**Midland County Health Department**

**Saginaw Valley State University**

# Appendix B: Data Table

| | | Indicator | Bay | Midland | Michigan | Healthy People 2030 | Source | Date |
|---|---|---|---|---|---|---|---|---|
| Economic Stability | Economic Stability - General | Adults 65+ Living Below Poverty Level | 9.90% | 10.80% | 13.50% | * | American Community Survey | 2023 |
| | | % ALICE | 21% | 18% | 25% | * | United Way | 2019 |
| | | % Poverty | 14% | 10% | 13% | 8% | United Way | 2019 |
| | | ALICE Total Households | 44,887 | 34,350 | 1,004,047 | * | United Way | 2019 |
| | | Children Living Below Poverty Level | 13.00% | 18.40% | 17.60% | * | American Community Survey | 2023 |
| | | Families Living Below Poverty Level | 32.20% | 27.30% | 25.10% | * | American Community Survey | 2023 |
| | | Households with Cash Public Assistance | 2.70% | 2.40% | 2.20% | * | American Community Survey | 2019 |
| | | | 4,806.00 | 3,814.00 | 567,397.00 | * | American Community Survey | 2023 |
| | | Median Household Income | $58,675 | 73,074 | $69,183 | * | American Community Survey | 2023 |
| | | Per Capita Income | $32,332 | $40,882 | $38,952 | * | American Community Survey | 2023 |
| | | Persons in Poverty | 12.50% | 13.50% | 13.5% | 8% | U.S Census Bureau | 2023 |
| | | Unemployment Rate | 4.50% | 4.20% | 4.10% | 25% | Bureau of Labor Statistics | 2023 |
| | Housing and Homes | Renters Spending 30% or More of Household Income on Rent | 46.00% | 51.30% | 51.20% | 0.255 | American Community Survey | 2023 |
| | | Severe Housing Problems | 11% | 11% | 13% | * | County Health Rankings | 2023 |
| | Nutrition and Healthy Eating | Adults 65+ with Low Access to a Grocery Store | 3.80% | 2.70% | | * | US Department of Agriculture: Food Atlas | 2015 |
| | | Child Food Insecurity Rate | 16.70% | 10.40% | 14.20% | 0% | Food Bank Council | 19' pre-COVID |
| | | Children with Low Access to a Grocery Store (per 1,000 population) | 4.70% | 5.10% | | * | US Department of Agriculture; Food Atlas | 2015 |
| | | Farmers Market Density (per 1,000 population) | 0.03 | 0.02 | | * | US Department of Agriculture; Food Atlas | 2018 |
| | | Fast Food Restaurant Density (per 1,000 population) | 0.81 | 0.67 | | * | US Department of Agriculture; Food Atlas | 2016 |
| | | Food Environment Index (0 worst to 10 best) | 7.5 | 8 | 7 | * | County Health Rankings | 2023 |
| | | Food Insecurity | 13% | 11% | 12% | 6% | County Health Rankings | 2023 |
| | | Food Stamp/SNAP Benefits in the Past 12 Months | 44,417 | 35,761 | 4,107,809 | * | American Community Survey | 2023 |
| | | Grocery Store Density (per 100,000 population) | 0.16 | 0.19 | | * | US Department of Agriculture; Food Atlas | 2016 |
| | | Limited Access to Healthy Foods | 5% | 5% | 6% | * | County Health Rankings | 2023 |
| | | Low Income and Low Access to a Grocery Store | 8,345 | 5,071 | | * | US Department of Agriculture: Food Atlas | 2015 |
| | | SNAP Participants (per 10,000 population) | 13.80% | 10.60% | 11.70% | * | Community Commons | 2019 |
| | | | 44,417 | 35,761 | 4,107,809 | | U.S Census Bureau | 2023 |
| | | Students Eligible for Free Lunch Program | 53% | 40% | 51% | * | County Health Rankings | 2023 |
| | Workplace | Driving Alone to Work | 82.50% | 78.10% | 75.00% | * | U.S Census Bureau | 2023 |
| | | Mean Travel Time to Work (Minutes) | 24.2 | 22.3 | 24.5 | * | American Community Survey | 2023 |
| | | People that Use Public Transportation to Get to Work | 0.20% | 0.50% | 0.90% | 0.053 | U.S Census Bureau | 2023 |
| | | People that Walk to Work | 0.90% | 0.50% | 2.00% | 0.268 | U.S Census Bureau | 2023 |
| Education Access and Quality | Adolescents | 9th to 12th Grade, No Diploma | 6% | 4% | 5% | * | U.S Census Bureau | 2023 |
| | | Disconnected Youth | 4% | 6% | 7% | 0.101 | County Health Rankings | 2023 |
| | | High School Dropouts | 9.47% | 8.13% | 8.13% | * | Center for Educational Performance Information | 2023 |
| | | High School Graduate | 48.20% | 33.00% | 36.30% | 0.907 | American Community Survey | 2023 |
| | | High School Graduation Rate | 78% | 82% | 82% | * | County Health Rankings | 2023 |
| | | Less than 9th Grade | 2.40% | 1.30% | 2.60% | * | U.S Census Bureau | 2023 |
| | | Students in Special Education | 2,086 | 2,491 | 217,489 | * | Kids Count | 2023 |
| | Adults | Associate's Degree | 12.60% | 9.70% | 9.70% | * | U.S Census Bureau | 2023 |
| | | Graduate or Professional Degree | 12.60% | 12.60% | 12.80% | * | U.S Census Bureau | 2023 |
| | | People 25+ with Bachelor's Degree or Higher | 32.40% | 28.30% | 28% | * | American Community Survey | 2023 |
| | | Some College, No Degree | 24.10% | 22.80% | 22.00% | * | U.S Census Bureau | 2023 |
| | Children | 3 and 4 Year Olds Not in Preschool | 51.60% | 50.70% | 55.70% | * | Kids Count | 2018-2022 |
| | | Students Not Proficient in Grade 3 English (M-Step) | 66.60% | 52.00% | 58.60% | 0.415 | Kids Count | 2023 |
| Determinants | Demographics | Female Population | 51.4% | 50.4% | 50.7% | * | County Health Rankings | 2023 |
| | | Male Population | 48.6% | 49.6% | 49.3% | * | County Health Rankings | 2023 |
| | | Overall Population | 102,500 | 83,494 | 9,986,857 | * | County Health Rankings | 2023 |
| | | Population Age Over 65 | 22.9% | 20.5% | 18.2% | * | County Health Rankings | 2023 |
| | | Population Age Under 18 | 19.4% | 20.7% | 21.5% | * | County Health Rankings | 2023 |
| | | Population American Indian or Alaskan Native | 0.6% | 0.6% | 0.7% | * | County Health Rankings | 2023 |
| | | Population Black or African American | 1.6% | 0.9% | 13.8% | * | County Health Rankings | 2023 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Population Hispanic or Latino | 6.0% | 2.9% | 5.3% | * | County Health Rankings | 2023 |
| | | Population White (Non Hispanic) | 87.8% | 89.7% | 74.7% | * | County Health Rankings | 2023 |
| | Health Care Access and Quality - General | Adults 65+ Living Alone | 32.60% | 28.00% | 30.80% | * | U.S Census Bureau | 2023 |
| | | Health Factors | 55 | 10 | * | * | County Health Rankings | 2021 |
| | | Health Outcomes | 36 | 8 | * | * | County Health Rankings | 2021 |
| | | No Health Care Access During Past 12 Months: Could Not Get Appointment | * | 21.20% | * | 0.033 | Behavioral Risk Factor Survey | |
| | | No Health Care Access During Past 12 Months Due to Cost | * | 14.10% | 8.00% | 0.349 | Behavioral Risk Factor Survey | 2020 |
| | | People with Dental Insurance | | | | 0.598 | | |
| | | People with Health Insurance | | | | 0.921 | | |
| | | People with Prescription Drug Insurance | | | | 0.706 | | |
| | | Poor or Fair Health | 16% | 13% | 15% | * | County Health Rankings | 2023 |
| | | Uninsured Adults | 6% | 5% | 6% | 0.079 | County Health Rankings | 2023 |
| | | Uninsured Children | 3% | 3% | 3% | * | County Health Rankings | 2023 |
| | | Uninsured Seniors | 0.60% | 0.30% | 0.40% | * | U.S Census Bureau | 2023 |
| | Cancer | All Cancer Incident Rate (per 100,000 population) | 480 | 424.8 | 448.8 | * | National Cancer Institute | 2015-2019 |
| | | All Cancer Medicare Population Incident Rate (per 100,000 population) | | | | * | Centers for Medicare and Medicaid Services | |
| | | All Cancer Mortality Rate (per 100,000 population) | 174.6 | 144.6 | 162.7 | 122.7 | National Cancer Institute | 2015-2019 |
| | | Blood Stool Home Kit | | | 11.00% | * | Behavioral Risk Factor Survey | |
| | | Breast Cancer Incident Rate (per 100 population) | 118.3 | 130 | 123.1 | * | National Cancer Institute | 2014-2018 |
| | | Breast Cancer Mortality Rate (per 100,000 population) | 16.5 | 20.1 | 20.4 | 15.3 | National Cancer Institute | 2015-2019 |
| | | Breast Cancer Screening | | | 73.3% | 0.771 | National Cancer Institute | 2018 |
| | | Colorectal Cancer Incident Rate (per 100 population) | 38.2 | 33.4 | 33.4 | * | National Cancer Institute | 2014-2018 |
| | | Colorectal Cancer Mortality Rate (per 100,000 population) | 13.6 | 9 | 11.5 | 8.9 | National Cancer Institute | 2015-2019 |
| | | Colorectal Cancer Screening | | | 76.30% | 0.744 | National Cancer Institute | 2015-2019 |
| | | Lung Cancer Incident Rate (per 100,000 population) | 61.9 | 53 | 57.1 | * | National Cancer Institute | 2014-2018 |
| | | Lung Cancer Mortality Rate (per 100,000 population) | 39.6 | 33.5 | 36.4 | 25.1 | National Cancer Institute | 2015-2019 |
| | | Lung Cancer Screening | | | | 0.075 | | |
| | | Mammogram Screening | | | 80.00% | 0.771 | Behavioral Risk Factor Surveillance System | 2020 |
| | | Mammogram Screening (Medicare population) | 52% | 49% | 44% | * | County Health Rankings | 2023 |
| | | Oral Cancer Detected at Earliest Stages | | | | 0.342 | | |
| | | Oral Cancer Incident Rate (per 100,000 population) | 9.4 | 6.3 | 7.6 | * | National Cancer Institute | 2014-2018 |
| | | Pap Test in Past 3 Years (Age 18+) | | | 73.60% | 0.843 | National Cancer Institute | 2015-2019 |
| | | Prostate Cancer Incident Rate (per 100,000 population) | 91.4 | 99.1 | 107.3 | * | National Cancer Institute | 2015-2019 |
| | | Prostate Cancer Mortality Rate (per 100,000 population) | 16 | 10.4 | 18.4 | 16.9 | National Cancer Institute | 2015-2019 |
| | | Colonoscopy Screening | | | 70.30% | 0.744 | Behavioral Risk Factor Surveillance System | 2018 |
| | Cardiovascular | Atrial Fibrillation | 9.8% | 9.3% | | * | Centers for Medicare and Medicaid Services | 2018 |
| | | Heart Disease (3 Year average) | * | * | * | 3.5 mean score | Centers for Medicare and Medicaid Services | 2018 |
| | | Heart Disease Hospitalizations (per 100,000 population) | * | * | 10.5% | 319.7 | Centers for Medicare and Medicaid Services | 2018 |
| | | Heart Failure (Medicare population) | 19.5% | 15.5% | 16.0% | * | Centers for Medicare and Medicaid Services | 2018 |
| | | High Cholesterol | 53.5% | 41.0% | 46.0% | 186.4 mg/dL | Centers for Medicare and Medicaid Services | 2018 |
| | | Ischemic Heart Disease (Medicare population) | 40.3% | 28.9% | 29.0% | * | Centers for Medicare and Medicaid Services | 2018 |
| | | Hypertension | 60.5% | 53.6% | 58.0% | | Centers for Medicare and Medicaid Services | 2018 |
| | | Stroke | 3.7% | 2.7% | 3.8% | * | Centers for Medicare and Medicaid Services | 2018 |
| | | Child Abuse Neglect Rate (per 1,000) | 12.2 | 9.7 | 11.4 | 8.7 | Kids Count | 2023 |
| | | Children in Investigated Families (Ages 0-17) | 121.6 | 90.7 | 90.4 | * | Kids Count | 2023 |
| | | Children in Out-of-Home Care (Ages 0-17) | 4.9 | 4.3 | 4 | * | Kids Count | 2023 |
| | | Confirmed Victims of Abuse or Neglect (Ages 0-17) (per 1,000) | 12.2 | 9.7 | 11.4 | 8.7 | Kids Count | 2023 |
| | Chronic Conditions | Adult Diabetes (medicare population) | 27.4 | 25.4 | 28.2 | 5.6 | Centers for Medicare and Medicaid Services | 2018 |
| | | Adults who are Obese | 39% | 34% | 35% | 36% | County Health Rankings | 2023 |
| | | Alzheimer's/Dementia | 11.6 | 10.3 | 11.7 | * | Centers for Medicare and Medicaid Services | |
| | | Arthritis | 41.4 | 32.6 | 36.2 | * | Centers for Medicare and Medicaid Services | |
| | | Diabetic Screening (Medicare population) | 83% | 87% | 86% | * | County Health Rankings | 2014 |
| | | Diagnosed Diabetes Prevalence (per 1,000) | 9% | 8% | 9% | 5.6 | County Health Rankings | 2023 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Health Care Access and Quality | | Hepatitis (Chronic Viral B&C) (per 100,000) | 0.5 | 0.5 | 0.8 | 0.1 | Centers for Medicare and Medicaid Services | |
| | | Kidney Disease | 23.5 | 23.2 | 25.9 | 0.128 | Centers for Medicare and Medicaid Services | |
| | | Osteoporosis | 6.5 | 5.4 | 5.8 | 0.055 | Centers for Medicare and Medicaid Services | |
| | Family Planning | Births with Late or No Prenatal Care | 5.80% | 3.80% | 6.10% | 0.195 | Kids Count | 2023 |
| | | Less than Adequate Prenatal Care | 33.70% | 20.10% | 31.30% | 0.195 | Kids Count | 2023 |
| | | Low Birthweight | 8% | 6% | 9% | * | County Health Rankings | 2023 |
| | | Pre-Term Births | 10.10% | 8.80% | 10.40% | 0.094 | Kids Count | 2022 |
| | | Fully Immunized Toddlers (Age 2) | 79.70% | 77.80% | 69.80% | 0.987 | Kids Count | 2023 |
| | | Influenza Vaccination Rate (Adults) | 29.30% | 34.70% | 30% | * | MDHHS: Immunization Report Card | 2023-2024 |
| | | Influenza Vaccination Rate (Adults & Children) | 68.80% | 87.40% | 71% | 70% | MDHHS: Immunization Report Card | Jun-24 |
| | | Influenza Vaccination Rate (Children) | 18.60% | 24.90% | 20% | * | MDHHS: Immunization Report Card | 2023-2024 |
| | | Mental Health Provider Ratio | 340:1 | 300:1 | 300:1 | * | County Health Rankings | 2023 |
| | | Other Primary Care Providers Ratio | 2240:1 | 990:1 | 1230:1 | * | County Health Rankings | 2023 |
| | | Pneumonia Vaccination (PPSV23 65+) | 37.40% | 59.50% | 53.20% | * | Michigan Department of Health and Human Services | 2023-2024 |
| | | Population of Dentist Ratio | 1430:1 | 1330:01:00 | 1250:01:00 | * | County Health Rankings | 2023 |
| | | Preventable Hospital Stays (per 100,000 population) | 4,126 | 2,492 | 3,246 | * | County Health Rankings | 2023 |
| | | Primary Care Provider Ratio | 2240:1 | 990:01:00 | 1280:01:00 | 84% | County Health Rankings | 2023 |
| | Mortality Rate per 100,000 Population | Alcohol-Impaired Driving Deaths | 27% | 43% | 30% | 0.283 | County Health Rankings | 2023 |
| | | Chronic Lower Respiratory Disease | 83.4 | 57.7 | 47 | 107.2 | Michigan Department of Community Health | 2020-2022 |
| | | Diabetes (per 1,000 population) | 190.1 | 75.8 | 28 | 13.7 | Michigan Department of Community Health | 2020-2022 |
| | | Drug Overdose Deaths (per 100,000 population) | 35 | 15 | 27 | 20.7 | County Health Rankings | 2023 |
| | | Drug Rate Death due to Heroin-Related Drug Poisoning | 17 | 6 | 1,768 | 4.2 | Michigan Substance Use Data Repository | 2019 |
| | | Heart Disease | 234.4 | 151.8 | 197 | 71.1 | Michigan Department of Community Health | 2020-2022 |
| | | Infant (per 1,000 population) | 5.5 | 2.3 | 6.4 | 5 | Michigan Department of Community Health | 2022 |
| | | Life Expectancy, Both Sexes | 78.37 | 80.54 | 78.26 | * | US Health Map | 2014 |
| | | Mortality Ranking | 480 | 320 | 410 | * | County Health Rankings | 2023 |
| | | Stroke | 32.9 | 42.7 | 51 | 33.4 | Michigan Department of Community Health | 2020-2022 |
| | | Suicide | 16.3 | 12.4 | 14.6 | 12.8 | Michigan Department of Community Health | 2022 |
| | Sexually Transmitted Infections | HIV Prevalence (per 100,000 population) | | | 7.2 | 0.087 | National HIV Surveillance System | |
| | | HPV Vaccination (Females) | 49.30% | 49.80% | 43.50% | 80% | MDHHS: Immunization Report Card | Jun-24 |
| | | HPV Vaccination (Males) | 46.60% | 47.80% | 43.50% | 80% | MDHHS: Immunization Report Card | Jun-24 |
| | | Sexually Transmitted Infections (per 100,000 population) | 383.6 | 188.1 | 454.4 | * | County Health Rankings | 2023 |
| | Teens | Adolescents who Get Formal Sex Education Before Age 18 | | | | 0.591 | | |
| | | Adolescents who Never Had Sex | | | 64.70% | 0.808 | MI: CDC - Youth Risk Behavior Surveillance System | 2019 |
| | | Child and Teen Deaths (Ages 1-19) | 23.5 | 16.1 | 27.9 | 18.4 | Kids Count | 2020-2022 |
| | | Number of Births Ages 15-19 (per 1,000 females) | 17 | 9 | 15 | 31.4 | County Health Rankings | 2023 |
| | | Percent of High School Students who are Obese | | | 15.30% | 0.155 | Michigan Profile for Healthy Youth (MI: CDC - Youth Risk Behavior Surveillance System) | 2019 |
| | | Percent of High School Students who are Overweight | | | 16.90% | * | Michigan Profile for Healthy Youth (MI: CDC - Youth Risk Behavior Surveillance System) | 2019 |
| | | Percent of Middle School Students who are Obese | | | 15.30% | 0.155 | Michigan Profile for Healthy Youth | 2019 |
| | | Percent of Middle School Students who are Overweight | | | 16.10% | * | Michigan Profile for Healthy Youth | 2019 |
| | | Percentage of Students who Never had Sexual Intercourse | | | 67.70% | 0.808 | Michigan Profile for Healthy Youth | 2019 |
| | | Percent of High School Students who Saw a Doctor for an Exam When They Were Not Sick or Injured in the Past Year | | | | | Michigan Profile for Healthy Youth | |
| | | Repeat Teen Births (Ages 15-19) | 15.60% | 13.00% | 14.20% | 0.269 | Kids Count | 2022 |
| | | Teen Pregnancy Rate (per 1,000 population) | | | 21.4 | 0.701 | Michigan Department of Community Health | 2022 |
| | Top 10 Inpatient MS-DRGs | Sepsis, unspecified organism | * | 908 | * | 0.269 | MyMichigan Health | |
| | | Single liveborn infant, delivered vaginally | * | 839 | * | * | MyMichigan Health | |
| | | COVID-19 | * | 520 | * | * | MyMichigan Health | |
| | | Non-ST elevation (NSTEMI) myocardial infarction | * | 509 | * | * | MyMichigan Health | |
| | | Single liveborn infant, delivered by cesarean | * | 427 | * | * | MyMichigan Health | |
| | | Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease | * | 241 | * | * | MyMichigan Health | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Neighborhood and Built Environment | | Acute kidney failure, unspecified | * | 223 | * | * | MyMichigan Health | |
| | | Paroxysmal atrial fibrillation | * | 219 | * | * | MyMichigan Health | |
| | | Major depressive disorder, recurrent severe without psychotic features | * | 199 | * | * | MyMichigan Health | |
| | | Hypertensive heart disease with heart failure | * | 180 | * | * | MyMichigan Health | |
| | Neighborhood and Built Environment - General | Drinking Water Violations (Yes or No) | No | Yes | * | 0.079 | County Health Rankings | 2023 |
| | | Liquor Store Density | 16 | 6 | 1,645 | * | County Business Patterns | 2021 |
| | Injury Prevention | Firearm Fatalities (per 100,000 population) | 10 | 8 | 13 | 10.7 | County Health Rankings | 2023 |
| | | Premature Death (YPLL) (per 100,000 population) | 9,400 | 6,100 | 8,500 | * | County Health Rankings | 2023 |
| | | Seat Belt Usage | | | 94.9 | * | Behavioral Risk Factor Survey | 2023 |
| | | Unintentional Injury Deaths (per 100,000 population) | 74.7 | 39.7 | 59.2 | 43.2 | Michigan Department of Community Health | 2022 |
| | People with Disabilities | People with Disability (Under Age 65) | 42.30% | 34.80% | 31.80% | * | U.S Census Bureau | 2023 |
| | Physical Activity | Access to Exercise Opportunities | 77% | 76% | 86% | * | County Health Rankings | 2023 |
| | | Frequent Physical Distress | 12% | 10% | 11% | * | County Health Rankings | 2023 |
| | | Physical Inactivity | 23% | 20% | 22% | 0.212 | County Health Rankings | 2023 |
| | | Population with No Leisure Time Physical Activity | 26% | 21% | 24.30% | 0.212 | Centers for Disease Control and Prevention | 2017-2020 |
| | | Recreation and Fitness Facility Access (per 1,000 population) | 0.05 | 0.08 | | * | US Department of Agriculture | 2016 |
| | Teen Physical Activity | Percentage of High School Students who Were Physically Active for at Least 60 Minutes Per Day on Five or More of the Past Seven Days | | | 44.7 | 0.306 | Michigan Profile for Healthy Youth | 2019 |
| | | Percentage of Middle School Students who Were Physically Active for at Least 60 Minutes Per Day on Five or More of the Past Seven Days | | | 55.3 | 0.306 | Michigan Profile for Healthy Youth | 2019 |
| | Respiratory Disease Adults | Asthma | 16.70% | 13.10% | 16.40% | * | Centers for Medicare and Medicaid Services | 2017-2019 |
| | | Asthma Mortality (per 1,000,000) | 11.2 | 0 | 9.8 | 8.9 | Michigan Asthma Atlas | 2020 |
| | | Chronic Lower Respiratory Disease Mortality (per 100,000 population) | 83.4 | 57.7 | 38.3 | 107.2 | Michigan Department of Community Health | 2022 |
| | | COPD (Medicare population) | 5.20% | 5.10% | 5.60% | * | Centers for Medicare and Medicaid Services | 2018 |
| | | Influenza and Pneumonia Mortality (per 100,000 population) | 22.1 | 12 | 11 | * | Michigan Department of Community Health | 2022 |
| | Substance Use | Binge Drinking Adults | 17% | 19% | 19% | 0.254 | County Health Rankings | 2023 |
| | | Excessive Drinking | 17% | 19% | 19% | * | County Health Rankings | 2023 |
| | Tobacco Use | Adult Smoking | 19% | 16% | 18% | 5% | County Health Rankings | 2023 |
| | | Adult Tobacco Use | 19% | 16% | 18% | 0.162 | County Health Rankings | 2023 |
| | | Births to Mothers who Smoked During Pregnancy | 22.10% | 16.20% | 11.40% | 0.043 | Kids Count | 2022 |
| | | Current Adult Smokers | 21% | 19% | 15.00% | 5% | Behavioral Risk Factor Surveillance System | 2023 |
| | Teen Substance Use | Percentage of High School Students who Ever Drank Alcohol | * | 12.5 | 13.6 | 0.063 | Michigan Profile for Healthy Youth | 2021 |
| | | Percentage of High School Students who Ever Tried Marijuana | * | 8.5 | 37.50% | 0.058 | Michigan Profile for Healthy Youth | 2021 |
| | | Percentage of Middle School Students who Ever Tried Marijuana | * | 2.3 | * | 0.058 | Michigan Profile for Healthy Youth | 2021 |
| | | Teens who Binge Drink (High School) | 15.70% | 8.80% | 11.2 | 0.084 | Michigan Profile for Healthy Youth | 2021 |
| | | Percentage of High School Students who Ever Tried Cigarette Smoking | * | 5.3 | 21.2 | 0.034 | Michigan Profile for Healthy Youth | 2021 |
| | | Percentage of Middle School Students who Ever Tried Cigarette Smoking | * | 3.3 | | 0.034 | Michigan Profile for Healthy Youth | 2021 |
| | | Percentage of High School Students who Used an Electronic Vapor Product During the Past 30 Days | 23.2 | | 20.8 | 0.105 | Michigan Profile for Healthy Youth | 2021 |
| | | Percentage of Middle School Students who Used an Electronic Vapor Product During the Past 30 Days | 10.1 | 10.9 | | 0.105 | Michigan Profile for Healthy Youth | 2021 |
| | | Teen Tobacco Use during past 30 Days | 3.90% | 6.40% | 4.50% | 0.023 | Michigan Profile for Healthy Youth | 2021 |
| | Transportation | Households Without Access to a Vehicle | 0.80% | 2.60% | 3.00% | * | American Community Survey | 2023 |
| Social and | Social and Community Context - General | Adults who Reported Insufficient Sleep | 34% | 32% | 36% | 0.314 | County Health Rankings | 2023 |
| | | Adults and Adolescents Screened for Depression | | | | 0.135 | | |
| | | Chronic Conditions: Depression | 25.17% | 21.18% | 20.87% | * | Centers for Medicare and Medicaid Services | 2018 |
| | | Chronic Conditions: Schizophrenia/Other Psychotic Disorders | 4.15% | 3.12% | 3.64% | * | Centers for Medicare and Medicaid Services | |
| | | Frequent Mental Distress | 18% | 16% | 16% | 0.076 | County Health Rankings | 2023 |
| | | Less Than 8 Hours of Sleep per Night | 39% | 37% | 40% | * | Behavioral Risk Factor Survey | |
| | | Minors and Young Adults Committing Violent Crimes (per 100,000 population) | | | | 199.2 | | |
| | | Poor Mental Health Days (per 30 days) | 5.5 | 5.2 | 5.3 | * | County Health Rankings | 2023 |
| | | Violent Crime Rate (per 100,000 population) | 328 | 126 | 443 | * | County Health Rankings | 2014 & 2016 |
| | Children | Children in Single Parent Households | 26% | 16% | 25% | * | County Health Rankings | 2023 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Community Context | [illegible] | Time Spent Playing with Children 30+ Minutes per Day | | | | * | Behavioral Risk Factor Survey | |
| | Health IT | Broadband Access | 88% | 87% | 88% | 0.608 | County Health Rankings | 2023 |
| | Top 10 Referrals for 211 (Midland County) | Health Supportive Services | 7.0% | 36.2% | * | * | 211 | |
| | | Utilities | 26.2% | 10.4% | * | * | 211 | |
| | | Food | 8.9% | 10.1% | * | * | 211 | |
| | | Housing/Shelter | 18.8% | 9.6% | * | * | 211 | |
| | | Health Screenings/Diagnostic Services | 3.2% | 5.3% | * | * | 211 | |
| | | Material Goods | 4.0% | 3.8% | * | * | 211 | |
| | | Transportation | 1.6% | 1.9% | * | * | 211 | |
| | | Individual and Family Support Services | 1.8% | 1.9% | * | * | 211 | |
| | | Legal Services | 3.0% | 1.6% | * | * | 211 | |
| | | Temporary Financial Assistance | 1.5% | 1.5% | * | * | 211 | |

# Appendix C: Survey

**Saginaw Valley State University**
Department of Health Science, College of Health and Human Services

**Project Title:** Midland Community Health Survey
**Principal Investigator:** Meghan Baruth, PhD

**Purpose of this Study**
The purpose of this research study is to understand the health and health needs of people living in Midland County. Information from this study will be used to develop programs in Midland County to address the needs of its residents. You are being asked to participate in this research study because you are at least 18 years of age and live in Midland County. In total, we hope to have 500 people fill out this survey.

**Participation in this Study/Procedures**
Participating in this study involves filling out an online survey that will take about 20-30 minutes. You will be asked to answer questions about your health conditions, health behaviors, and satisfaction with the quality of and access to various services and places in Midland County. Once you complete the survey, your participation in the study will end.

**Possible Risks, Stresses or Discomforts**
Participating in this research study may involve some risks, stresses or discomforts. The most likely discomfort is the amount of time it will take to complete the survey (20-30 minutes). You may be uncomfortable with some of the questions we ask. If you are uncomfortable, you are free to not answer those questions. If you experience any discomfort in answering these questions and would like to speak with someone please contact: http://www.211nemichigan.org for a full list of resources. As in all research, there may be unforeseen risks to you. If an accidental injury occurs, appropriate emergency measures will be taken; however, no compensation or additional treatment will be made available to you except as otherwise stated in this consent form.

**Participant Rights**
You are free to not answer any questions you choose without penalty. If you decide to participate in this study and complete the survey, you may stop at any time. Choosing not to be in this study will not result in any penalty to you. Specifically, your choice not to be in this study will not negatively affect you in any way.

**Possible Benefits for Me or Others**
We understand how busy you are and value your time. However, we encourage you to take this survey in order to help your community identify health needs so those concerns can be addressed. Information from this survey will be used by community leaders and organizations to develop programs that address the health concerns and needs of the community.

**Anonymity and Confidentiality**
Your responses in the survey are anonymous. At the end of the survey, you will have the option of providing your name and mailing address to receive a $10 Meijer, Bridge Food Center, or Coleman Community Market gift card for taking the survey. This information will be collected in a separate survey and will not be linked to any information in the research survey.

Your responses will remain confidential. All electronic data are stored in a password protected format and will be kept for three years, then deleted; paper surveys will be shredded. It is possible that the Institutional Review Board (IRB) may view this study's collected data for auditing purposes. The IRB is responsible for the oversight of the protection of human subjects involved in research.

**Confidentiality and Privacy Rights**
Participation in this research study may result in a loss of privacy since persons other than the investigator(s) might view your study records. Unless required by law, only the study investigators, members of the investigator's staff, Saginaw Valley State University Institutional Review Board, and representatives from the

IRB Research Compliance Office can review your study records. They are required to maintain confidentiality regarding your identity.
Any study results reported in professional journals or grant proposals will be reported at a group level (combined across people). If any findings are reported at an individual level, they will not contain any information that would identify you.

**Compensation**
In appreciation for your time spent completing the survey, you are eligible to receive a $10 gift card to Meijer, the Bridge Food Center or Coleman Community Market. You must provide your name and mailing address (when instructed) after completing the survey to receive this token of appreciation. The study staff will mail your gift card within seven business days of survey completion. If after taking the survey, you seek counseling or medical treatment, any expenses accrued will be the responsibility of the subject and not that of the research project, research team, or SVSU.

**Questions or Concerns about this Research Study**
If you have any questions, problems, illness, or injury during your time on this study, call us promptly. Dr. Meghan Baruth (989-964-4143) is the person in charge of this research study. You can call directly Monday-Friday 9am-5pm with questions. The participant may also contact the Chair, Human Subjects Institutional Review Board (989-964-7488; irbchair@svsu.edu) if questions or problems arise during the course of the study.

**Consent**

**Subject's Permission**
I have read this form and have been given the opportunity to ask questions by contacting the individuals listed in the section above. If I have additional questions, I have been told whom to contact. I agree to participate in the research study described above.

If you wish to participate, please select 'Accept' and begin the survey. You may request a copy of this consent page for your records. If you do not wish to participate in this study, please select 'Decline'.

- ○ Accept
- ○ Decline

**Please select only one answer unless otherwise specified. Please note that this survey is double-sided.**

1. **Do you live in Midland County, Michigan?**
   - ○ Yes
   - ○ No

2. **Do currently live in:**
   - ○ City of Midland
   - ○ Village of Sanford
   - ○ City of Coleman
   - ○ Township in Midland County, please specify: _____

3. **What is your gender identity?**
   - ○ Male
   - ○ Female
   - ○ Transgender or Non-binary
   - ○ Prefer not to share
   - ○ Identity not listed (other): _____

4. **I describe myself as…**
   - ○ Heterosexual/straight
   - ○ Bisexual
   - ○ Prefer not to share
   - ○ Gay/Lesbian
   - ○ Orientation not listed (other): _____

5. **What is your age? (years)** _____

6. **What is your race?**
   - ○ White or Caucasian
   - ○ Black or African American
   - ○ Asian or Asian American
   - ○ American Indian or Alaska Native
   - ○ Two or more races
   - ○ Other (please specify) _____

7. **Are you of Hispanic or Latino origin?**
   - ○ Yes
   - ○ No

8. **Are you of Middle Eastern or North African origin?**
   - ○ Yes
   - ○ No

9. **Which of the following best describes your current relationship status?**
   - ○ Married
   - ○ Widowed
   - ○ Divorced
   - ○ Separated
   - ○ Not married, living with a significant other
   - ○ Not married

10. **What is the highest grade or level of school you have completed?**
    - ○ Less than high school degree
    - ○ High school degree
    - ○ Some college
    - ○ Technical/vocational degree
    - ○ Bachelor's degree
    - ○ Graduate degree

**11. Which of the following categories best describes your employment status?**

- ○ Employed, working 30 or more hours per week
- ○ Employed, working 1-29 hours per week
- ○ Not employed
- ○ Disabled, not able to work
- ○ Homemaker
- ○ Full-time student
- ○ Retired

**12. Do you primarily work:**

- ○ Remote / at home
- ○ In office / out of home
- ○ A combination of remote / at home and in office / out of home
- ○ I do not work

**13. What is your approximate average household income?**

- ○ Less than $20,000
- ○ $20,000 to $39,999
- ○ $40,000 to $69,999
- ○ $70,000 to $99,999
- ○ $100,000 to $149,999
- ○ $150,000 and up

**14. How many people, including yourself, live in your household? _____**

**15. In the past 12 months, have there been three or more months in which you were not able to pay all of your bills or could not pay all of them on time because you did not have enough money?**

- ○ Yes
- ○ No

**16. Do you currently:**

- ○ Own your primary home
- ○ Rent your primary home
- ○ Other

**17. In the past 12 months, has there been a time when you did not have a place to live?**

- ○ Yes
- ○ No

**18. In the past 12 months, which mode of transportation did you primarily use to get to…**

| | Personal vehicle | Walk | Carpool | Senior Services Courtesy Cars | Public transportation | Non-motorized vehicle (bike) | N/A |
|---|---|---|---|---|---|---|---|
| Work | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Recreational activities | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Doctor or medical services | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

**19. What is your weight in pounds? _____**

**20. What is your height (in feet and inches)? Feet _____ Inches _____**

**21. Are you currently pregnant?**

○ Yes ○ No

**22. In general, how would you rate your overall health?**

○ Excellent ○ Fair
○ Very good ○ Poor
○ Good

**23. How often do you use seat belts when you drive or ride in a car?**

○ Always ○ Rarely
○ Usually ○ Never
○ Sometimes

**24. Are you limited in any activities because of mental health or emotional health problems such as depression?**

○ Yes ○ No

**25. Do you have any physical health problem that requires you to use special equipment, such as a cane, wheelchair, walker, Amigo, special bed, or special telephone?**

○ Yes ○ No

**26. Do you rely on people for any of the following?**

| | Yes | No |
|---|---|---|
| Bathing | ○ | ○ |
| Dressing | ○ | ○ |
| Shopping | ○ | ○ |
| Banking | ○ | ○ |
| Meals | ○ | ○ |

**27. Do you feel safe with your caregiver?**

○ Yes ○ No ○ N/A - I do not have a caregiver

**28. In the past 12 months, have you fallen?**

○ Yes (Go to question 29)
○ No (Go to question 30)

**29. Did any of these falls cause an injury? By an injury, we mean the fall caused you to limit your regular activities for at least a day or to go see a doctor.**

○ Yes ○ No

**30. How often do you feel isolated from others?**

○ Never ○ Sometimes ○ Always

**Do you feel you belong at home, work, your community, or in any other group or place?**

○ Yes ○ No

**31. Do you feel that your family or the people you live with, neighborhood, community, and/or coworkers care about you?**

○ Yes ○ No

**32. Please consider the following regarding your child's safety.**

| | A lot | Some | A little | None | N/A |
|---|---|---|---|---|---|
| How much concern do you have for your child's safety and security while they are in childcare? | ○ | ○ | ○ | ○ | ○ |
| How much stress is the cost of childcare on you and your family budget? | ○ | ○ | ○ | ○ | ○ |

**33. Please think about your personal satisfaction with the following in your community. In general, how satisfied are you with your ACCESS to each of the following:**

| | Very Dissatisfied | Not Satisfied | Neither Satisfied nor Dissatisfied | Satisfied | Very Satisfied | N/A |
|---|---|---|---|---|---|---|
| Recreational activities | ○ | ○ | ○ | ○ | ○ | ○ |
| Public Assistance programs | ○ | ○ | ○ | ○ | ○ | ○ |
| Public transportation | ○ | ○ | ○ | ○ | ○ | ○ |
| Jobs | ○ | ○ | ○ | ○ | ○ | ○ |
| Adult educational services (e.g. job training) | ○ | ○ | ○ | ○ | ○ | ○ |
| Educational services for children | ○ | ○ | ○ | ○ | ○ | ○ |
| Fresh produce and other healthy foods | ○ | ○ | ○ | ○ | ○ | ○ |
| Substance use disorder services | ○ | ○ | ○ | ○ | ○ | ○ |
| Mental health services | ○ | ○ | ○ | ○ | ○ | ○ |
| Housing you can afford | ○ | ○ | ○ | ○ | ○ | ○ |
| Affordable internet services | ○ | ○ | ○ | ○ | ○ | ○ |
| Quality childcare | ○ | ○ | ○ | ○ | ○ | ○ |
| Dental services | ○ | ○ | ○ | ○ | ○ | ○ |
| Medical services – primary care | ○ | ○ | ○ | ○ | ○ | ○ |

34. **Please think about your personal satisfaction with the following in your community. In general, how satisfied are you with the QUALITY of each of the following:**

| | Very Dissatisfied | Not Satisfied | Neither Satisfied nor Dissatisfied | Satisfied | Very Satisfied | N/A |
|---|---|---|---|---|---|---|
| Recreational activities | ○ | ○ | ○ | ○ | ○ | ○ |
| Public Assistance programs | ○ | ○ | ○ | ○ | ○ | ○ |
| Neighborhood safety | ○ | ○ | ○ | ○ | ○ | ○ |
| Air and water | ○ | ○ | ○ | ○ | ○ | ○ |
| Schools | ○ | ○ | ○ | ○ | ○ | ○ |
| Public transportation | ○ | ○ | ○ | ○ | ○ | ○ |
| Jobs | ○ | ○ | ○ | ○ | ○ | ○ |
| Adult educational services (e.g. job training) | ○ | ○ | ○ | ○ | ○ | ○ |
| Educational services for children | ○ | ○ | ○ | ○ | ○ | ○ |
| Fresh produce and other healthy foods | ○ | ○ | ○ | ○ | ○ | ○ |
| Substance use disorder services | ○ | ○ | ○ | ○ | ○ | ○ |
| Mental health services | ○ | ○ | ○ | ○ | ○ | ○ |
| Housing you can afford | ○ | ○ | ○ | ○ | ○ | ○ |
| 211 | ○ | ○ | ○ | ○ | ○ | ○ |
| Cell Phone coverage | ○ | ○ | ○ | ○ | ○ | ○ |
| Internet options | ○ | ○ | ○ | ○ | ○ | ○ |
| Childcare | ○ | ○ | ○ | ○ | ○ | ○ |
| Dental services | ○ | ○ | ○ | ○ | ○ | ○ |
| Medical services – primary care | ○ | ○ | ○ | ○ | ○ | ○ |

35. **On average, how many hours of sleep do you get in a 24-hour period?** _____

36. **Thinking about the activities you do when you are not working, in a usual week, did you do any physical activity for at least 10 minutes at a time, such as brisk walking, running, bicycling, vacuuming, yard work, or anything else that causes some increase in breathing or heart rate?**

○ Yes (Go to question 37) ○ No (Go to question 39)

37. **How many days per week did you do these activities for at least 10 minutes at a time?**

_____ days

38. **When you take part in these activities, how long do you usually keep at it (minutes or hours)?**

_____

39. **In a typical week:**

| | |
|---|---|
| How many times per week do you engage in muscle strengthening activities? | |
| How many times per week do you engage in activities to improve flexibility? | |

40. **In an average day, how many hours do you spend using each of the following?**

| | 0 hours | <1 hour | 1-2 hours | 3-4 hours | 5-6 hours | 7-8 hours | > 8 hours |
|---|---|---|---|---|---|---|---|
| Live television or streaming services | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Video game consoles | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Laptop/computer (for work) | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Laptop/computer (for pleasure) | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Smart phone | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Tablet/iPad | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

41. **In an average day, how many hours do you spend using social media (e.g. Instagram, TikTok, Facebook, Snapchat, X/Twitter, etc)?**

- ○ 0 hours
- ○ <1 hour
- ○ 1-2 hours
- ○ 3-4 hours
- ○ 5-6 hours
- ○ 7-8 hours
- ○ >8 hours

42. **In general, how healthy is your overall diet?**

- ○ Excellent
- ○ Very good
- ○ Good
- ○ Fair
- ○ Poor

43. **In a typical week:**

| | |
|---|---|
| How many servings of fruit do you eat per day? Count fresh, frozen, or canned fruit; do not count dried fruit or juice. | |
| How many servings of vegetables do you eat per day? Count fresh, frozen, or canned vegetables. | |

**44. In a typical week, do you drink the following beverages?**

| | Yes | No |
|---|---|---|
| Regular soda or pop | ○ | ○ |
| Energy drinks | ○ | ○ |
| Sugar-sweetened fruit drinks (not 100% fruit juice) | ○ | ○ |
| Sugar-sweetened flavored teas | ○ | ○ |

**45. In a typical week, do you purchase food from the following places:**

| | Yes | No |
|---|---|---|
| Grocery store | ○ | ○ |
| Convenience store | ○ | ○ |
| Fast food restaurant | ○ | ○ |
| Sit-down restaurant | ○ | ○ |
| Farmers market (when open) | ○ | ○ |
| Co-op | ○ | ○ |
| Food pantry | ○ | ○ |
| Meals on Wheels | ○ | ○ |
| Bridge Food Center | ○ | ○ |
| Coleman Community Market | ○ | ○ |
| Other | ○ | ○ |

**46. Do you currently:**

| | Yes, every day | Yes, on some days | No |
|---|---|---|---|
| Smoke cigarettes | ○ | ○ | ○ |
| Use chewing tobacco, snuff, or any form of smokeless tobacco | ○ | ○ | ○ |
| Use e-cigarettes or vape | ○ | ○ | ○ |
| Have exposure to secondhand smoke? | ○ | ○ | ○ |
| Use marijuana for medical use | ○ | ○ | ○ |
| Use marijuana for recreational use | ○ | ○ | ○ |

47. **In a typical week, how many days per week do you have at least one drink of any alcoholic beverage?**

_____ days

48. **On the days when you drink alcoholic beverages, about how many drinks do you consume on average (one drink is equivalent to a 12-ounce beer, a 5-ounce glass of wine, or a drink with one shot of liquor)? If you do not drink alcohol, skip this question.**

_____ drinks

49. **In the past 12 months:**

| | Yes | No | I don't drink |
|---|---|---|---|
| I felt like I wanted or needed to cut down on my drinking. | ○ | ○ | ○ |
| I have experienced negative consequences from my alcohol use. | ○ | ○ | ○ |
| I sought treatment or attended a support group to help with my alcohol use. | ○ | ○ | ○ |

50. **In the past 12 months, have you:**

| | Yes | No |
|---|---|---|
| Used prescription drugs that were not prescribed for you such as antidepressants, pain killers, sedatives or stimulants | ○ | ○ |
| Used illegal drugs, such as cocaine, crack, crystal meth, heroin, smack, PCP, LSD, uppers or downers | ○ | ○ |
| Taken more of your opioid (narcotic) pain killers than prescribed | ○ | ○ |

51. **In the past year:**

| | Yes | No | I don't use drugs |
|---|---|---|---|
| I felt like I wanted or needed to cut down on my drug use. | ○ | ○ | ○ |
| I experienced negative consequences from my drug use. | ○ | ○ | ○ |
| I sought treatment or attended a support group to help with my drug use. | ○ | ○ | ○ |

52. **If you felt you had a substance misuse problem, how likely would you be to go to the following for help:**

| | Very likely | Somewhat likely | Neither likely or unlikely | Somewhat unlikely | Very unlikely |
|---|---|---|---|---|---|
| Doctor | ○ | ○ | ○ | ○ | ○ |
| Therapist | ○ | ○ | ○ | ○ | ○ |
| Support group | ○ | ○ | ○ | ○ | ○ |

**53. If you felt you had a mental health problem, how likely would you be to go to the following for help:**

| | Very likely | Somewhat likely | Neither likely or unlikely | Somewhat unlikely | Very unlikely |
|---|---|---|---|---|---|
| Doctor | ○ | ○ | ○ | ○ | ○ |
| Therapist | ○ | ○ | ○ | ○ | ○ |
| Support group | ○ | ○ | ○ | ○ | ○ |

**54. Do you consider yourself in recovery from a past mental health issue?**

○ Yes ○ No

**55. Do you consider yourself in recovery from a substance use disorder?**

○ Yes ○ No

**56. Do you have any concerns about your (check all that apply):**

- ○ Memory
- ○ Concentration
- ○ Decision making that affects how you perform familiar tasks
- ○ Confusion when driving in familiar locations
- ○ None of the above apply to me

**57. Do you feel safe at home?**

○ Yes ○ No

**58. Please consider the following questions regarding safety.**

| | Yes | No | N/A |
|---|---|---|---|
| Do you feel safe in your current relationship? | ○ | ○ | ○ |
| Have you or your children ever been threatened or abused (physically, sexually, emotionally, or financially) by your partner? | ○ | ○ | ○ |
| Is there a partner from a previous relationship making you feel unsafe? | ○ | ○ | ○ |

**59. Has a doctor, nurse, or other health professional ever told you that you had any of the following?**

| | Yes | No |
|---|---|---|
| A heart attack, also called a myocardial infarction | ○ | ○ |
| Angina (chest pain from a heart problem) or coronary heart disease | ○ | ○ |
| A stroke | ○ | ○ |
| High blood pressure, also called hypertension | ○ | ○ |

| Has a doctor, nurse, or other health professional ever told you that you had any of the following? | Yes | No |
|---|---|---|
| Type 1 Diabetes | ○ | ○ |
| Pre-diabetes or borderline diabetes | ○ | ○ |
| Type 2 Diabetes | ○ | ○ |
| Asthma | ○ | ○ |
| Depression | ○ | ○ |
| Anxiety | ○ | ○ |
| Substance use disorder | ○ | ○ |
| Cancer | ○ | ○ |
| HIV or AIDS | ○ | ○ |

**58. Do you suffer from chronic pain (defined as persistent or recurrent pain lasting longer than 3 months)?**

○ Yes ○ No

**59. Have you had a test for high blood sugar or diabetes within the past 3 years?**

○ Yes ○ No

**60. A mammogram is an x-ray picture of the breasts to look for breast cancer. How long has it been since you had a mammogram?**

○ Within the last year
○ Within the last 2 years
○ >2 years ago
○ I have never had a mammogram
○ I do not have breasts

**61. A pap test and/or HPV test is a test for cancer of the cervix. Have you had a HPV test (or HPV/Pap Co-test) in the past 5 years OR a pap test in the past 3 years?**

○ Yes
○ No
○ I'm not sure which test I've had, but I'm up to date
○ Not sure
○ Never had
○ I do not have a cervix

**62. A stool for blood test is a test that may use a special kit at home to determine whether the stool contains blood. How long has it been since you had your last stool for blood test using a home kit?**

○ Within the last year
○ Within the last 3 years
○ >3 years ago
○ I have never had a blood stool test

63. **When is the last time you had a colonoscopy or CT (virtual) colonoscopy?**
- ○ Within the last 5 years
- ○ Within the last 10 years
- ○ >10 years ago
- ○ I have never had a colonoscopy

64. **Did you receive a flu vaccination for the 2023-2024 flu season?**
- ○ Yes
- ○ No

65. **Did you receive a flu vaccination for the 2024-2025 flu season?**
- ○ Yes
- ○ No
- ○ Not yet, but I plan to get it

66. **Do you currently have? (please choose your primary source of insurance)**
- ○ An employer-sponsored health plan
- ○ An individual plan purchased on the health insurance exchange
- ○ Medicaid
- ○ Medicare
- ○ Uninsured

67. **Do you have a high deductible plan? (A high deductible plan is defined as $1,650 for individuals or $3,300 for families).**
- ○ Yes
- ○ No

68. **Are you able to afford your copay/deductible?**
- ○ Yes
- ○ No

69. **Would you be able to pay an $8,000 Emergency Department bill?**
- ○ Yes, all at once
- ○ Yes, on a payment plan
- ○ No

70. **How well do you understand what your health insurance covers, including your co-pays and deductibles?**
- ○ Not knowledgeable at all
- ○ Somewhat knowledgeable
- ○ Moderately knowledgeable
- ○ Very knowledgeable
- ○ N/A

71. **When I need medical care:**

| | Yes | No |
|---|---|---|
| I understand what the health care professional tells me. | ○ | ○ |
| I understand the handouts given to me. | ○ | ○ |

**72. Was there a time in the past 12 months when you:**

| | Yes | No |
|---|---|---|
| Needed to see a doctor but could not because of cost? | ○ | ○ |
| Needed to see a doctor but could not because you could not get an appointment? | ○ | ○ |
| Needed to see a dentist but could not because of cost? | ○ | ○ |
| Needed to see a dentist but could not because you could not get an appointment? | ○ | ○ |
| Needed to see a counselor or therapist but could not because of cost? | ○ | ○ |
| Needed to see a counselor or therapist but could not because you could not get an appointment? | ○ | ○ |
| Wanted help for substance use treatment or recovery services but could not because of cost? | ○ | ○ |
| Wanted help for substance use treatment or recovery services but could not because you could not get an appointment? | ○ | ○ |

**73. Does the COVID-19 pandemic continue to impact your:**

| | Yes | No |
|---|---|---|
| Overall level of stress | ○ | ○ |
| Mental well-being | ○ | ○ |
| Economic well-being | ○ | ○ |

**74. For health-related services (e.g. medical, mental health, substance use), do you prefer your visit to be:**

- ○ Virtual (telehealth)
- ○ In person (in office)
- ○ I have no preference

**75. If you used telehealth for any health-related services, how satisfied are you with the:**

| | Very Dissatisfied | Not Satisfied | Neither Satisfied nor Dissatisfied | Satisfied | Very Satisfied | N/A |
|---|---|---|---|---|---|---|
| Quality of services | ○ | ○ | ○ | ○ | ○ | ○ |
| Access to services | ○ | ○ | ○ | ○ | ○ | ○ |

These next questions will ask about your sexual health. Questions about sexual health are as important as questions about physical, mental and social health. If you do not want to, or do not feel comfortable answering these questions, you may skip this page.

**58. Have you ever had sexual intercourse?**

○ Yes ○ No (if no, skip to the end of the survey)

**59. In the past year, how many partners have you had sexual intercourse with?**

○ No partners (if none, skip to Question 61)
○ 1 partner
○ More than 1 partner

**60. In the past year, how often did you use condoms when having intercourse?**

○ Always ○ Never
○ Most of the time
○ Sometimes

**61. Have you ever been told by a doctor or nurse that you have a sexually transmitted infection (such as chlamydia, genital herpes, genital warts, gonorrhea, or syphilis)?**

○ Yes ○ No

**62. Have any of your sexual partners had a sexually transmitted infection?**

○ Yes ○ No ○ I don't know

**If you would like free help finding available community resources for food, housing, mental health or other basic needs, feel free to dial 211 from your phone 24 hours a day, 7 days a week.**