



Community Health Needs Assessment

UP Health System — Portage

Houghton County, Michigan

Hard copies of this document may be obtained at UPHS Portage, 500 Campus Drive,
Hancock, MI 49930 or by phone 906-483-1000 or via the hospital website PortageHealth.org



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Sourced from the Robert Wood Johnson Foundation's County Health Rankings website: <http://www.countyhealthrankings.org/roadmaps/action-center>

Perspective / Overview

Creating a culture of health in the community

The Action Cycle shows how to create healthy communities. The rankings later in the document assist in understanding what makes a healthy community.

The Community Health Needs Assessment (CHNA) uses systematic, comprehensive data collection and analysis to define priorities for health improvement, creates a collaborative community environment to engage stakeholders, and an open and transparent process to listen and truly understand the health needs of Houghton County, Michigan.

This document is a hospital facility-specific Community Health Needs Assessment (CHNA) for UP Health System—Portage.

UP Health System—Portage as the sponsors of the assessment, engaged national leaders in community health needs assessments to assist in the project. Stratasan, a healthcare analytics and facilitation company based out of Nashville, Tennessee, provided the analysis of community health data and surveys, facilitated the focus group, and facilitated a community health summit to receive community input into the priorities and brainstorm goals and actions the community could take to improve health.

- Starting on October 15, 2019, this report is made widely available to the community via UP Health System—Portage’s website PortageHealth.org and paper copies are available free of charge at UP Health System—Portage, 500 Campus Drive, Hancock, MI 49930 or by phone 906-483-1000.
- UP Health System—Portage’s board of directors approved this assessment and the hospital’s implementation plan on November 26, 2019.

Project Goals

- To continue a formal and comprehensive community health assessment process which allows for the identification and prioritization of significant health needs of the community to assist with resource allocation, informed decision-making and collective action that will improve health.
- To continue a collaborative partnership between all stakeholders in the community by seeking input from persons who represent the broad interests of the community.
- To support the existing infrastructure and utilize resources available in the community to instigate health improvement in the community.

“We continue the Community Health Needs Assessment with the goal to assess the health and needs of the community. This process is an affirmation of what we’ve been doing to improve health and has jumpstarted our next implementation plan,” said Randy Neiswonger, CEO UP Health System—Portage

“The information gathered both from public health data and from community stakeholders provided the insight the community needed to set priorities for significant health issues and will be used by the community to inform and support our implementation plans,” added Amanda Falkenhagen, Marketing and Communications Coordinator, UPHS—Portage.



Community Input and Collaboration

Data Collection and Timeline

In March 2019, UP Health System—Portage began a Community Health Needs Assessment for Houghton County. They sought input from persons who represent the broad interests of the community using several methods:

- Information gathering, using secondary public health sources, occurred in August 2019.
- The Western Upper Peninsula Health Department conducted a 12-page health survey in August to September of 2017 which was referenced in this assessment. 359 people responded from Houghton and Keweenaw Counties. (Houghton and Keweenaw counties results were combined)
- An online survey of UP Health System—Portage employees and community physicians was conducted August 5 through September 5, 2019. 124 employees and 2 providers participated in the survey.
- 12 community members, not-for-profit organizations representing medically underserved, low-income, minority populations, and the elderly participated in a focus group on August 6, 2019.
- A Community Health Summit was conducted on September 18, 2019 with 18 community stakeholders. The audience consisted of healthcare providers, business leaders, government representatives, schools, not-for-profit organizations, employers and other community members.

Information Gaps

While this assessment was quite comprehensive, it cannot measure all possible aspects of health in the community, nor can it adequately represent all possible populations of interest. It must be recognized that these information gaps might in some ways limit the ability to assess all the community's health needs.

Participation by Those Representing the Broad Interests of the Community

515 individuals collaborated to implement a comprehensive CHNA process focused on identifying and defining significant health needs, issues, and concerns of Houghton County. The three-month process centered on gathering and analyzing data as well as receiving input from persons who represented the broad interests of the community to provide direction for the community and hospital to create a plan to improve the health of the communities.

Participation in the focus group and at the Community Health Summit creating the Houghton County Community Health Needs Assessment and Improvement Plan included:

Organization	Population Represented	How Involved
City of Hancock	Everyone	Focus Group
Community	All	Summit
Copper Country Great Start Collaborative	young children 0-8	Summit
Copper Country Mental Health	All	Summit
Finlandia University	All	Summit
Hancock City Council	All	Summit
Hancock Public Schools	Kids	Focus Group, Summit
Houghton-Portage Township Schools	Kids	Focus Group
Mercy EMS Inc.	All	Summit
Michigan Tech University	Youth	Focus Group, Summit
Michigan Tech Employees Federal Credit Union	All	Summit
Portage Health Foundation	Everyone	Focus Group, Summit
UGLFitC	All	Summit
UP Health System—Portage	Everyone	Focus Group, Summit
Upper Great Lakes Family Health Center	Everyone	Focus Group

In many cases, several representatives from each organization participated.

Input of the Medically Underserved, Low-Income, and Minority Populations

Input of medically underserved, low-income and minority populations was received during the focus groups, surveys, and the Community Health Summit. Agencies representing these population groups were intentionally invited to the focus groups and Summit. Additionally, the community survey was distributed through the health departments and other agencies serving the low-income, medically underserved and minority populations. The community survey was representative of the whole community—by age, income, and education.

Input of those with Expertise in Public Health

Several attempts were made to contact the Western Upper Peninsula Health Department for inclusion in the process, but the contacts were unanswered.

UP Health System—Portage partnered with 32 agencies and organizations to contribute to the 2018 Upper Peninsula Community Health Needs Assessment in 2018. This assessment references the behavioral risk factor survey of the Upper Peninsula conducted by the Western Upper Peninsula Health Department in August and September 2017.

Community Engagement and Transparency

Many members of the community participated in the focus groups, employee and physician surveys, and the summit. We are pleased to share the results of the Community Health Needs Assessment with the rest of the community in hopes of attracting more advocates and volunteers to improve the health of Houghton County. The following pages highlight key findings of the assessment. We hope you will take the time to review the health needs of our community as the findings impact each and every citizen in one way or another; and join in the improvement efforts.

Community Selected for Assessment

Houghton County was the primary focus of the CHNA due to the service area of UP Health System—Portage. Used as the study area, Houghton County provided 86% of inpatient discharges to UPHS—Portage. The community includes medically underserved, low-income and minority populations who live in the geographic areas from which UP Health System—Portage draws its patients. All patients were used to determine the service area without regard to insurance coverage or eligibility for financial assistance under UP Health System—Portage’s Financial Assistance Policy.

UP Health System—Portage Study Area





Key Findings

Based on the primary and secondary data, focus group and surveys the following needs were prioritized by attendees at the Community Health Summit. The remainder of the document outlines the process and data.

1. Substance use
2. Mental health
3. Healthy eating/Active living – Obesity
4. Access to care
5. Socioeconomics

Process and Methods

Both primary and secondary data sources were used in the CHNA.

Primary methods included:

- Community focus group
- Paper surveys of community members
- Online survey of hospital employees and community physicians
- Community Health Summit

Secondary methods included:

- Public health data – death statistics, County Health Rankings, cancer incidence
- Demographics and socioeconomics – population, poverty, uninsured, unemployment
- Psychographics – behavior measured by spending and media preferences



Description of Communities Served

Demographics of the Community 2019-2024

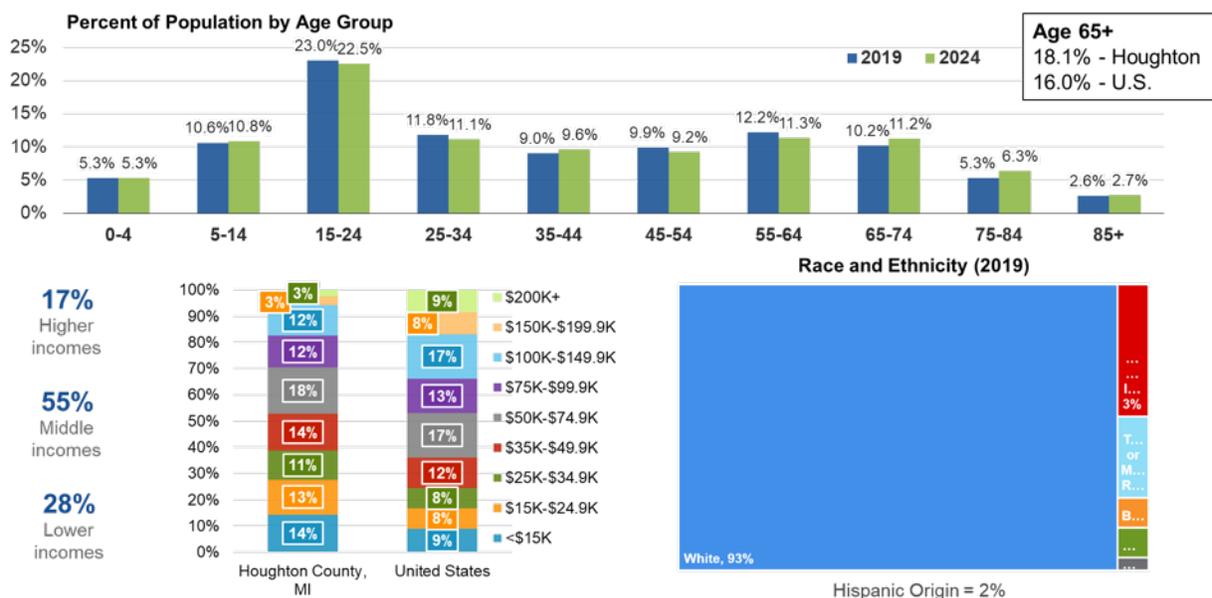
The table below shows the demographic summary of Houghton County compared to Michigan and the U.S.

	Houghton County	Michigan	USA
Population	37,480	10,097,897	332,417,793
Median Age	34.3	40.4	38.5
Median Household Income	\$46,191	\$55,885	\$60,548
Annual Pop. Growth (2019-2024)	-0.16%	0.27%	0.77%
Household Population	14,481	3,983,294	129,922,162
Dominant Tapestry	Small Town Simplicity (12C)	Salt of the Earth (6B)	Green Acres (6A)
Businesses	1,538	342,696	12,112,147
Employees	15,443	4,760,106	150,271,675
Medical Care Index*	81	96	100
Average Medical Expenditures	\$1,634	\$1,919	\$2,005
Total Medical Expenditures	\$23.7 M	\$7.6 B	\$251.0 B
Racial and Ethnic Make-up			
White	93%	77%	68%
Black	1%	14%	13%
American Indian	1%	1%	1%
Asian/Pacific Islander	3%	3%	7%
Other	0%	2%	7%
Mixed Race	2%	3%	4%
Hispanic Origin	2%	5%	19%

Source: ESRI

*The Medical Care Index is household-based, and represents the amount spent out of pocket for medical services relative to a national index of 100. The median is the value at the midpoint of a frequency. There is an equal probability of falling above or below the median.

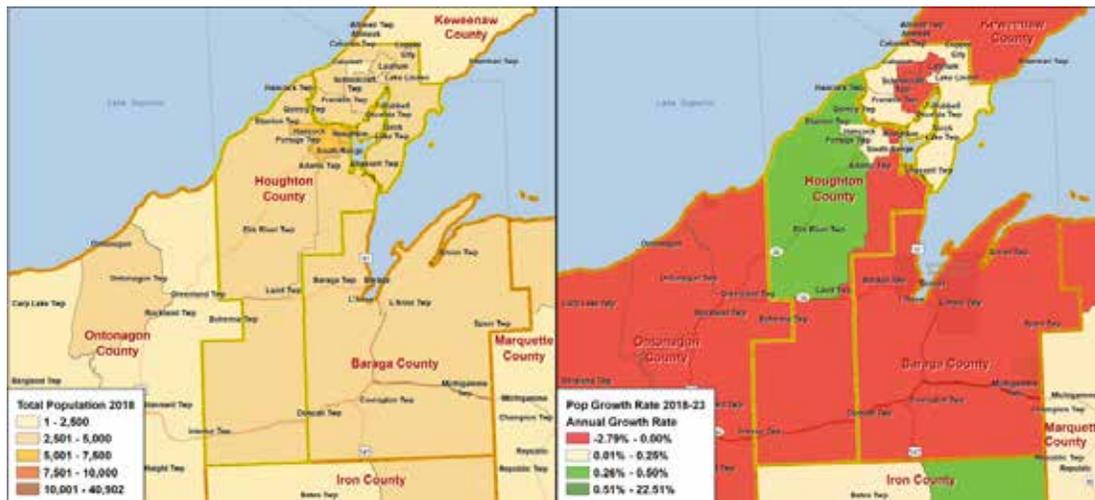
Houghton County



Source: ESRI

- The population of Houghton County is projected to decrease from 2019 to 2024 (0.16% per year). Michigan is projected to increase 0.27% per year, and the U.S. 0.77% per year.
- Houghton County had a lower median age (34.3 median age) than MI (40.4 median age) and the U.S. (38.5 median age). Houghton County percentage of the population 65 and over was 18.1%, higher than the US population 65 and over at 16%.
- Houghton County had lower median household income at \$46,191 than MI at (\$55,885) and the U.S. (\$60,548). The rate of poverty in Houghton County was 14.9% which was higher than MI (7.7%) and the U.S. (13.4%).
- The household income distribution of Houghton County was 17% higher income (over \$100,000), 55% middle income and 28% lower income (under \$24,999).
- The medical care index measures how much the populations spent out-of-pocket on medical care services. The U.S. index was 100. Houghton County was 81, indicating 19% less spent out of pocket than the average U.S. household on medical care (doctor's office visits, prescriptions, hospital visits). Additionally, each household spent an estimated \$4,763 on the combination of medical care and health insurance per year.
- The racial and ethnic make-up of Houghton County was 93% white, 2% Hispanic Origin, 2% mixed race, 1% black, 1% American Indian, and 3% Asian/Pacific Islander. (These percentages total to over 100% because Hispanic is an ethnicity, not a race.)

2018 Population by Census Tract and Change (2018-2023)



Source: ESRI

Red is population decline

Green is greater than the MI growth rate

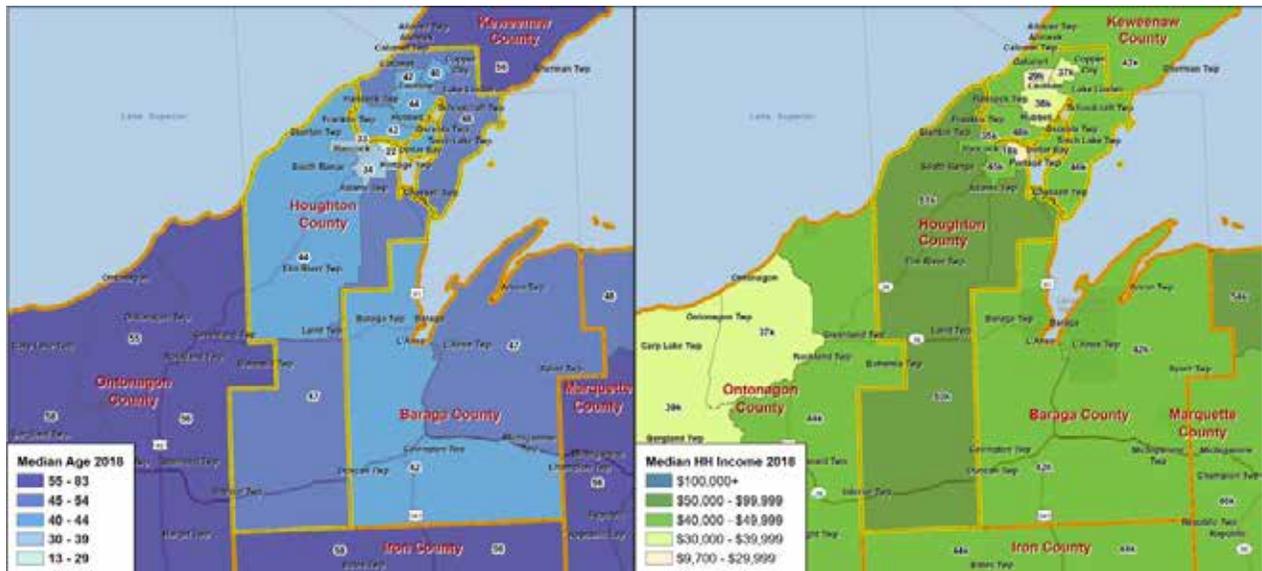
Yellow is positive up to the MI growth rate

Dark Green is twice the MI growth rate

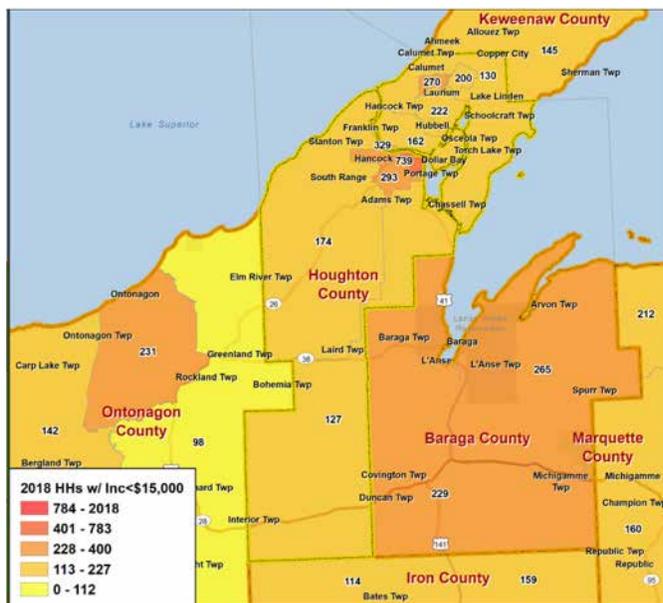
Census tracts generally have a population size between 1,200 and 8,000 people, with an optimum size of 4,000 people. The census tracts with the highest population were Houghton and Hancock.

Houghton County's population was projected to decrease from 2018 to 2023. However, there are a few census tracts where the population was projected to increase. The highest growing census tract was in south western Houghton County, projected to grow greater than the MI growth rate. Southern Houghton and the Calumet, Schoolcraft tracts are projected to decline in population. The areas around Calumet and Schoolcraft including Hancock and Houghton are projected to increase up to the MI growth rate of .25% per year.

2018 Median Age and Income



Households making less than \$15,000 per year



These maps depict median age and median income by census tract. Looking at age and income by census tract is helpful to demonstrate all areas of a county are not the same. The health needs may be very different in Houghton in Houghton County with a median age of 22 and the census tract on the eastern edge of the county with a median age of 48.

Looking at median household income by census tract also gives insight into health status. The lower income areas may have lower health outcomes than the higher income tracts. Lower income areas were in the northern section of Houghton County near Calumet Township with \$37K and \$38K, near Hancock with \$35K and \$18K near the university.

The lower map is the number of households making less than \$15,000 per year. Again, further attempting to identify those areas within the county that may have lower health status. Hancock had 329 households making less than \$15,000. Houghton had 739 households making less than \$15,000 per year.

Houghton County's unemployment was 5.1% (May 2019 preliminary data), higher than MI at 4.2% and the U.S. at 3.6%.

Business Profile

Sixty-six percent of employees in Houghton County were employed in:

- Retail trade (16.1%)
- Health care and social assistance (15.5%)
- Educational services (15.3%)
- Accommodation and food services (12.1%)
- Public administration (7.1%)

Houghton County loses 153 net commuters per day commuting outside the county for work, with 1,082 commuting into the county and 1,235 commuting out of the county.

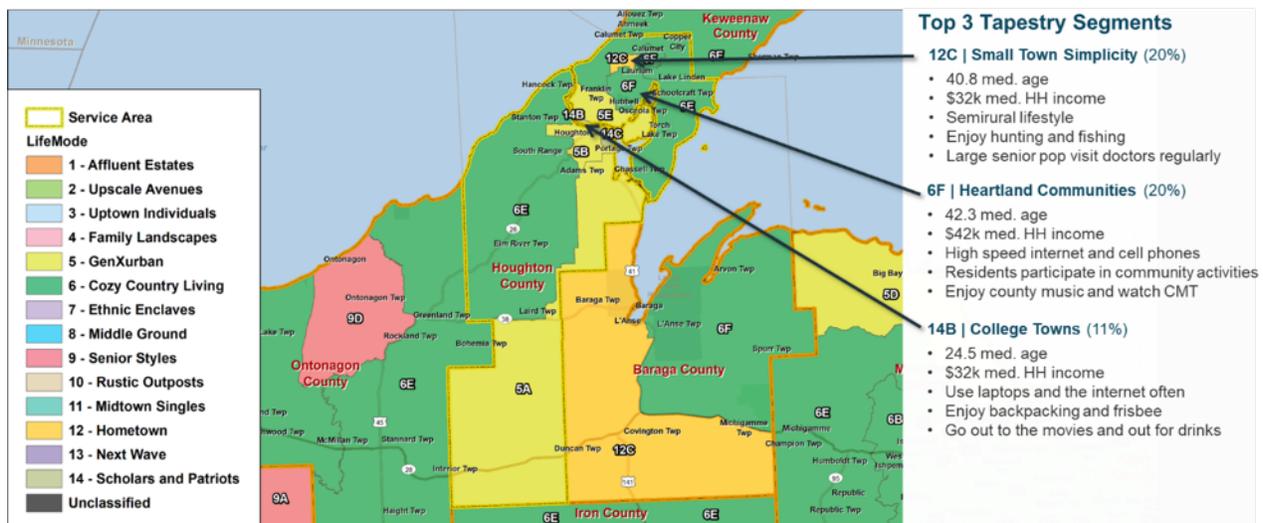
It is beneficial to contact people in groups to improve health. There are three primary places people gather during the week, work, church and school. These are three excellent places to reach people to create a culture of health.

Tapestry Segmentation

Demographics are population, age, sex, race. Psychographics are adding behavior data in the form of spending habits and survey data on top of demographics. 50% of Houghton County are included in three Tapestry Segments. The map below is census tracts color coded by LifeMode, which are groupings of Tapestry Segments that behave similarly.

The dominant Tapestry Segments in the counties were Small Town Simplicity (20%), Heartland Communities (20%), and College Towns (11%). The map below shows the number and letter representing the dominant Tapestry Segment by census tract.

There is a very brief description of the segments on the right of the map. There is much more information on Tapestry Segments, at <http://doc.arcgis.com/en/esri-demographics/data/tapestry-segmentation.htm>. Studying the Tapestry Segments in the study area helps determine health habits and communication preferences of residents enabling more effective communication and implementation of solutions to improve health.



Source: ESRI

Community Input: Focus Group, Survey Results

Focus Group Results

Nineteen community stakeholders representing the broad interests of the community as well as representing low income, medically underserved and minority populations participated in a focus group and one individual interview on August 7, 2019 for their input into the community's health. Community participation in the focus groups and interviews represented a broad range of interests and backgrounds. Below is a summary of the 90-minute focus group discussions and the individual interview.

1. How do you define health?

- Physical, emotional, spiritual, and financial wellbeing
- Professional/career health, happy in the job
- Overall wellness and wellbeing encompassing all areas of life
- Safe community

2. Generally, how would you describe the community's health?

- Room for improvement
- C+
- Feel more positive, people want to live here, active winter and summer. People want to move back here for the activities and sense of community. Trusting, nice people here, resilient.
- Tends to be more reactive than proactive. More people seek care because of a condition instead of practicing prevention.

3. What are the most important health issues facing Houghton County?

- Substance abuse
 - » Tobacco (smoking, chewing and vaping): Chewing is a normal activity. Smoking at the universities is seen more in the international students. Smoking seems highest in the lower economic groups, and is used as a coping mechanism.
 - » Methamphetamine
 - » Heroin
 - » Alcohol: There is general alcohol culture in the population, especially in the Native American population (and tobacco use). People are using alcohol young, and not seeing it as a big deal. With two universities in the area, there are binge drinking issues. Students use alcohol to cope with issues, anxiety, and seasonal depression.
 - » Marijuana: There is a lack of controls or proactive approaches to management.
 - » Opioids: Similar to the national trend, use is growing and starting younger. Prescription patterns are down, but overdose deaths are not decreasing.
 - » We don't see an uptick in crime due to substance abuse.
 - » The attitude of "that's their problem, not mine" hasn't removed the stigma from abuse.

- » Sheltered community
- » Youth vaping
- Lack of mental health providers
- Sedentary lifestyles
- Food insecurity
- Access to fresh, healthy food is limited. 18% food insecure, 21% in college population where they're unsure where their next meal would come from. Quality of food per purchase issue, dollar doesn't go as far as other parts of the country.
- Dental health
- Diabetes
- Heart Disease
- Difficult getting care for cancer

4. The community performed a CHNA in 2016 and identified the following priorities for health improvement:

- | | |
|--------------------|------------------------------|
| 1. Mental Health | 4. Access to care, providers |
| 2. Obesity | 5. Aging/Chronic diseases |
| 3. Substance abuse | 6. Socioeconomic Issues |

- What has the community improved the most related to health status in 3 years?
 - » Mental health is worse, access to mental health worse – national trend. Funding has been cut statewide for mental health due to budget issues. The federal government has increased funding for behavioral health – more for FQHCs for social workers and telehealth. Need the service, but hard to have a solvent service line. Beds are closing, funding keeps getting cut, underfunded. Outpatient side greater resources for infrastructure.
 - » Aging population – exporting the youth, but they try to come back.
 - » Sense of community, strong family units, take care of each other
 - » Don't have job infrastructure to keep people here. Finite numbers of opportunities here. Top employers, healthcare, education and government.

5. What behaviors have the most negative impact on health?

- Smoking, vaping, chewing
- At 18, feel like they'll live forever, invincible.
- Do a lot of outreach and could help more with screenings, but people aren't thinking about their health and don't get screenings. Rugged individuals. All so busy, don't want to fill any more of their day.
- Social media – kids being connected 24/7 and creating unrealistic expectations
- Kids need to get off the phone and get outside. They don't get outside. What kind of adults are we creating? No social skills, can't answer a phone, can't do things in person, can't make a doctor's appointment.

6. Were there any barriers to improving health in the last 3 years, what will be the barriers going forward?

- Distance, cost and access to places to exercise
- Physician recruitment
- Transportation
- Cost of care – high copays and deductibles, not a lot of traditional insurance plans
- Lack of adolescent mental health facilities, closest in Grand Rapids
- Not enough mental health counsellors
- School counsellors are not equipped or trained to deal with the issues they face
- Resources are strained
- Communication to older people. They don't know the resources. They're isolated and don't use social media.

7. What community assets support health and wellbeing?

- Large Lutheran faith base – and how they perceive health, Old Apostolic and New Apostolic
- Teamwork, collaboration, people have to work together
- Recreational infrastructure
- Sense of community
- Volunteers – willing to give if family in need
- Sense of family, family ties here
- Support services – volunteer fire department
- Decent legislative support, good relationship with representatives, involved
- Academics good – K through 12 impressive
- Universities and Community College – offer inside opportunities for exercise. Helpful for recruiting employees locally, nursing programs.
- There isn't a sense of competition except between hospitals. There's synergy between entities.
- Little Brothers of the Poor in Houghton

8. Where do members of the community turn for basic healthcare needs?

- FQHC
- Express Care
- Closest ED
- Issue that some people won't cross the bridge. The bridge goes up, gets stuck, needs maintenance. "We don't do traffic well here."

9. If you had a magic wand, what priority health improvement action should the Counties focus on?

- More behavioral health in school to help with coping mechanisms
- Trauma informed care training in schools and understood all over the community.
- Prevention strategies
- Communication about what works and what doesn't and replicate what works
- Communicate to the masses – newspaper, social media, billboards
- Dealing with acute crises instead of prevention
- Government needs to be involved
- Lower the cost of prescription drugs
- Clinic in every high school
- Improve security so people feel safe in schools and public areas
- Recreation center at low or no cost, health park included with navigators.
- Increase public transportation that goes county-wide so people can get to appointments and grocery store
- More jobs
- Community coalition to coordinate efforts

Houghton and Keweenaw County Community Surveys

Survey Process

The Western Upper Peninsula Health Department conducted a behavioral risk factor survey to provide county-level data on physical and mental health status; access to primary care, dental care, mental health counseling and substance abuse treatment services; use of screening and preventive health care services; prevalence of chronic diseases and disabilities; and certain behaviors linked to health status, morbidity, and mortality, including diet, exercise, and use of alcohol, tobacco and other drugs. The survey was inspired by and modeled on the Centers for Disease Control and Prevention's Behavioral Risk Factor Surveys, BRFS. The survey was a random sample of sample of adults conducted by mail.

Houghton and Keweenaw Counties were combined and 359 surveys were completed. The surveys were weighted to the population and analyzed by Kelly Kamm, PHD from the Department of Kinesiology and Integrative Physiology, Michigan Technological University in Houghton. The survey was conducted August to September 2017. (Upper Peninsula Community Health Needs Assessment 2018, Western U.P. Health Department, p.195) The red on the table indicates where responses were worse than the State and green represents where responses were better than the State. Stratasan added the coloring to the tables.

Survey Results

Health Indicator	Houghton & Keweenaw	State
General Health Status Only Fair or Poor	23.3%	18.0%
Unable to Access Healthcare Due to Cost	21.8%	12.8%
No Routine Checkup in the Past 12 Months	28.8%	26.9%
No Dental Care Past 12 Months	41.7%	29.9%
Obese (BMI 30 or greater)	40.3%	32.5%
Current Cigarette Smoker	19.0%	20.4%
Former Smoker	37.3%	25.8%
5+ Servings of Fruits & Vegetables	8.0%	14.4%
Ever Diagnosed with Diabetes	12.5%	11.2%
Ever Diagnosed with Heart Disease	14.4%	5.1%
Ever Diagnosed with Cancer	19.0%	12.8%
Ever Diagnosed with Depressive Disorder	20.7%	22.0%
Took Medication for Mood Past 12 Months	18.7%	N/A
Heavy Alcohol Drinker	19.2%	6.9%
Binge Alcohol Drinker	20.5%	19.0%
Used Marijuana Past 30 days	11.8%	N/A
Ever Used Prescription Drugs to Get High	6.1%	4.7%
Had Flu Shot in Past 12 Months	74.8%	56.1%
Colorectal Cancer Screening, Age 50+	78.9%	69.7%

Adult Health Disparities by Income

Health Indicator	UP Residents	
	< \$25,000	\$50,000+
Health Fair or Poor	29.9%	5.1%
Uninsured (18-64)	10.6%	4.9%
Unable to Access Care Due to Cost	19.2%	11.3%
No Dental in Past Year	55.1%	18.1%
Current Smoker	31.9%	10.5%
No Physical Activity	22.7%	10.4%
Diabetes Diagnosis	15.6%	6.5%
Heart Disease	12.0%	6.4%
Chronic Lung Disease	14.0%	3.0%
Current Asthma	14.1%	10.5%
Limited By Arthritis	44.4%	21.4%
Depressive Disorder	37.6%	19.7%
Marijuana Past Month	15.2%	4.5%
Prescription Abuse	4.4%	2.3%
Drove after Drinking	10.0%	5.5%

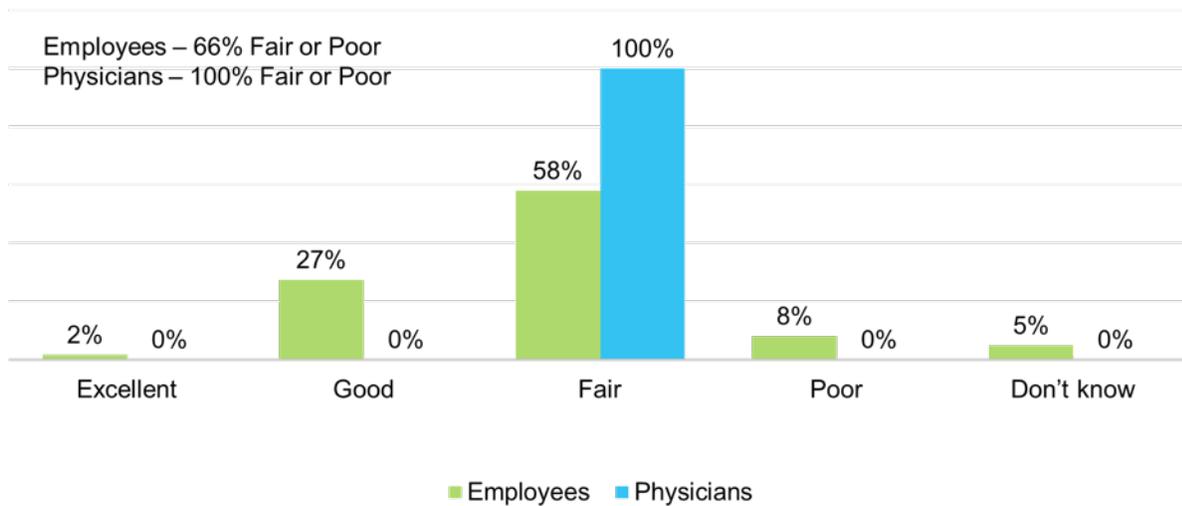
The table above demonstrates the health disparities by income. In all of the categories, the lower income respondents had worse responses than the respondents making \$50,000 and above.

Hospital Employee and Community Physicians Survey

Survey Process

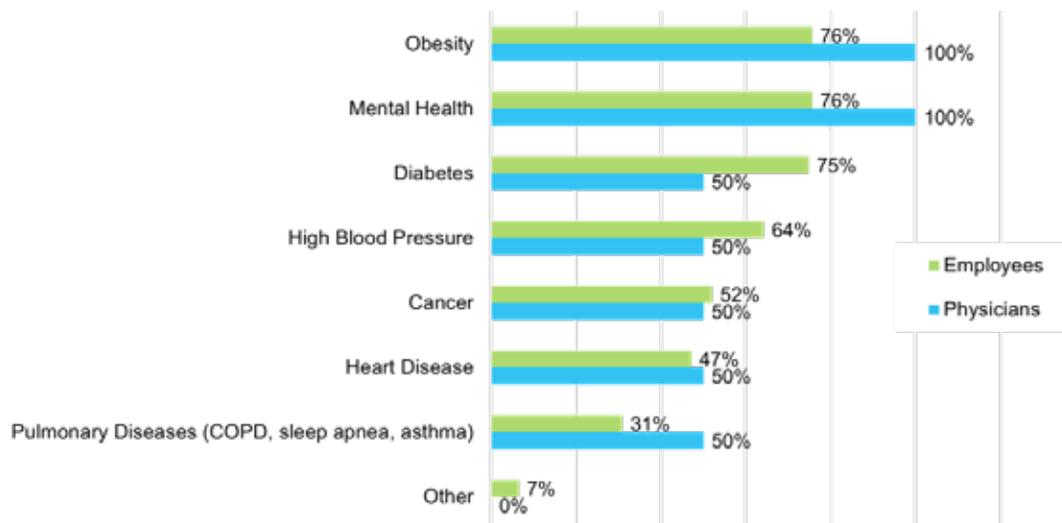
UP Health System - Portage conducted employee and physician surveys about the health of Houghton County. A total of 124 employees and 2 physicians completed the on-line surveys. The surveys were conducted between August 5 through September 5, 2019. Due to the small sample size of providers, their answers do not represent the other providers in the community.

How would you describe the overall health status of the citizens of Houghton County?



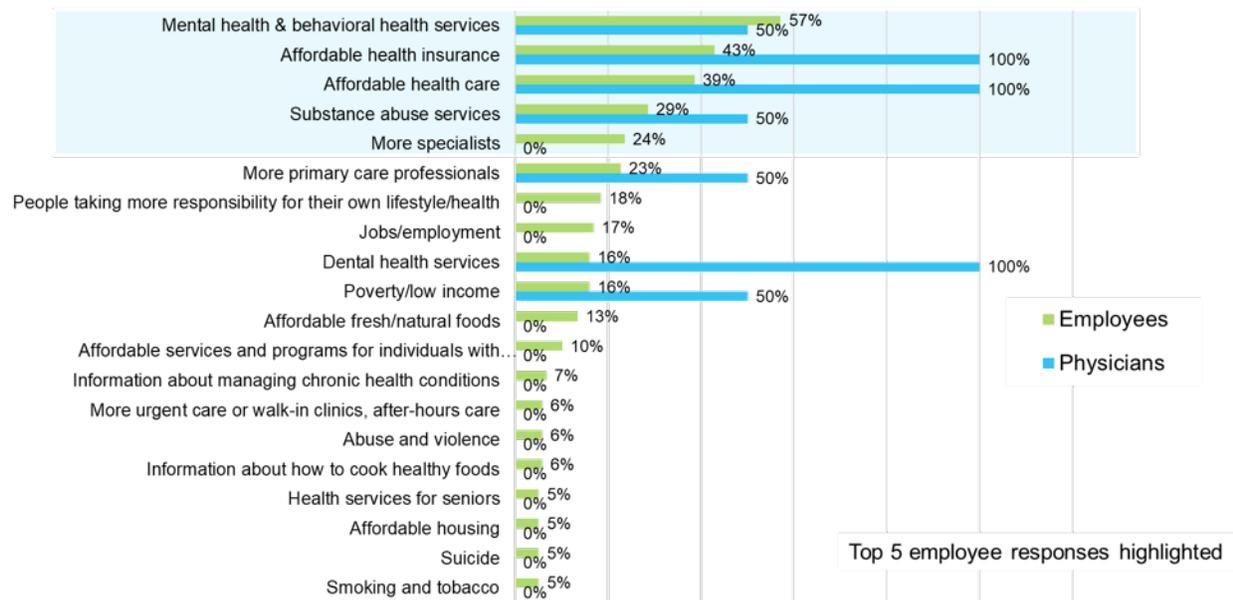
Healthcare providers see sick people most of their day, so their response skews higher in the fair and poor categories than in the Health Department survey or the BRFSS survey.

What are the most prevalent chronic diseases in your community?



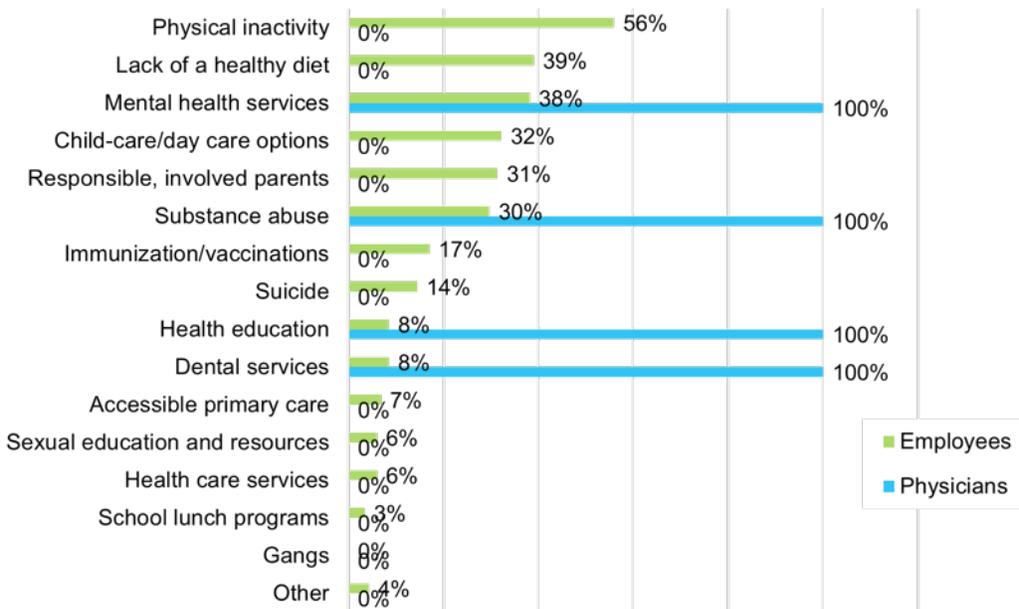
However, health care providers would have a good sense of chronic diseases in the communities. The employees thought obesity and mental health were the top two issues followed by diabetes, high blood pressure, cancer and heart disease.

What are the top 3 issues that need to be addressed in your community that impact people's health?



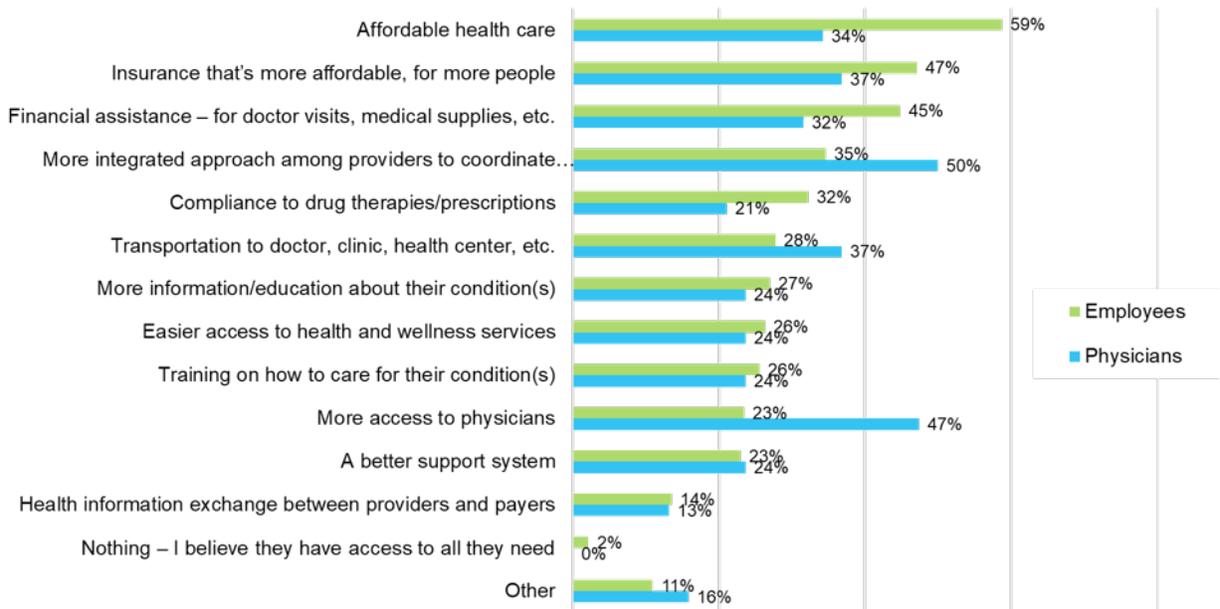
Employees thought mental and behavioral health, affordable health insurance, affordable health care, substance abuse services and more specialists were the top issues that need to be addressed.

What are the top 3 health concerns for children in your community?



Employees thought the biggest health concerns for children were physical inactivity, lack of a healthy diet, mental health services, child-care options, responsible, involved parents and substance abuse.

What, if anything, do you think the people in the community need in order to manage their health more effectively?



Affordable healthcare, insurance that's more affordable, financial assistance and a more integrated approach providers to coordinate care were the top needs for the community to manage their health.



Health Status Data

Based on the 2018 County Health Rankings study performed by the Robert Wood Johnson Foundation and the University of Wisconsin, Houghton County ranked 28th for health outcomes and 19th for health factors (1= the healthiest; 83 = unhealthiest).

County Health Rankings suggest the areas to explore for improvement in Houghton County were higher adult smoking, higher adult obesity percentage, higher excessive drinking, higher population per primary care physician and higher air pollution. The areas of strength were identified as lower percentage of physical inactivity, lower teen births, lower uninsured, lower preventable hospital stays, higher mammography screening and higher flu vaccinations, higher percentage of adults with some college, lower unemployment, lower percentage of children in poverty, and lower income inequality

When analyzing the health status data, local results were compared to Michigan, the U.S. (where available), and the top 10% of counties in the U.S. (the 90th percentile). Where Houghton County's results were worse than MI and U.S., groups and individuals have an opportunity to act and improve these community measures. To become the healthiest community in Michigan and eventually the Nation, Houghton County must close several lifestyle gaps. For additional perspective, Michigan was ranked the 34th healthiest state out of the 50 states. (Source: 2018 America's Health Rankings) Michigan's strengths were higher rate of primary care physicians, low incidence of Salmonella, and high meningococcal immunization coverage among adolescents. Michigan's challenges were high prevalence of excessive drinking, high incidence of pertussis, low per capita public health funding.

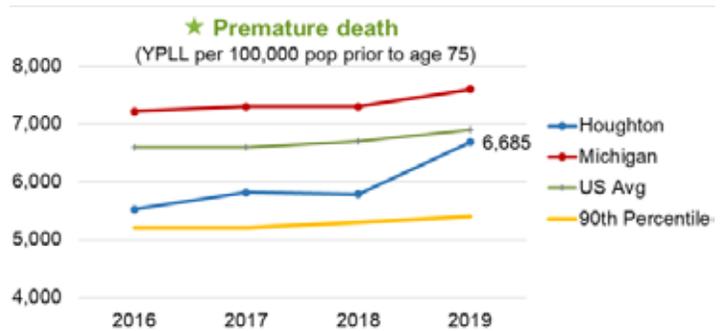
Comparison of Health Status

Information from County Health Rankings and America's Health Rankings was analyzed in the CHNA in addition to the previously reviewed information and other public health data. Other data analyzed is referenced in the bullets below, such as: causes of death, demographics, socioeconomics, consumer health spending, focus groups, and surveys. Data for Michigan, the U.S. or the top 10% of counties (90th percentile) were used as comparisons when available. If a measure was better than Michigan, it was identified as a strength, and where an indicator was worse than Michigan, it was indicated an opportunity for improvement. To prevent strengths from becoming opportunities for improvement, it's important to continually focus on them. Opportunities were denoted with red symbols, and strengths were denoted with green stars for easy interpretation. The years displayed on the County Health Rankings graphs show the year the data was released. The actual years of the data are contained in the source notes below the graphs.

Health Outcomes (Length of Life and Quality of Life)

Health outcomes are a combination of length of life and quality of life measures. Houghton County ranked 28th in health outcomes out of 83 Michigan counties.

Length of life was measured by years of potential life lost per 100,000 population prior to age 75, lower is better. For example, if a 25-year-old is killed in an accident, that is 50 years of potential life lost prior to age 75. Houghton County ranked 29th in length of life in MI, and lost 6,685 years of potential life per 100,000 population which was lower than MI and the U.S.



Source: County Health Rankings; National Center for Health Statistics – Mortality File 2015-2017

Leading Causes of Death: Age-Adjusted Death Rates per 100,000

Cause of Death	Houghton County	Michigan	US
Heart Disease	200.9	196.1	165.0
Cancer	173.0	161.3	152.5
Accidents (Unintentional Injuries)	33.4	53.0	49.4
Respiratory Diseases	38.1	44.3	40.9
Stroke	45.3	39.3	37.6
Alzheimer's Disease	40.8	34.5	31.0
Diabetes	26.3	22.1	21.5
Influenza and Pneumonia	13.1	14.2	14.3
Suicide	15.0	14.1	14.0
Kidney disease	***	14.7	13.0

Source(s): Wonder CDC.gov (2017) Age-adjusted rates per 100,000 population. Multiple years were combined for each county to calculate reliable use rates. Houghton County data from 2014-2017. MI and US data from 2017. Rates that appear in red for a county denote a higher value compared to state data. Age Adjustment Uses 2000 Standard Population.

Intentional Self-Harm (Suicide) Deaths per 100,000 Population

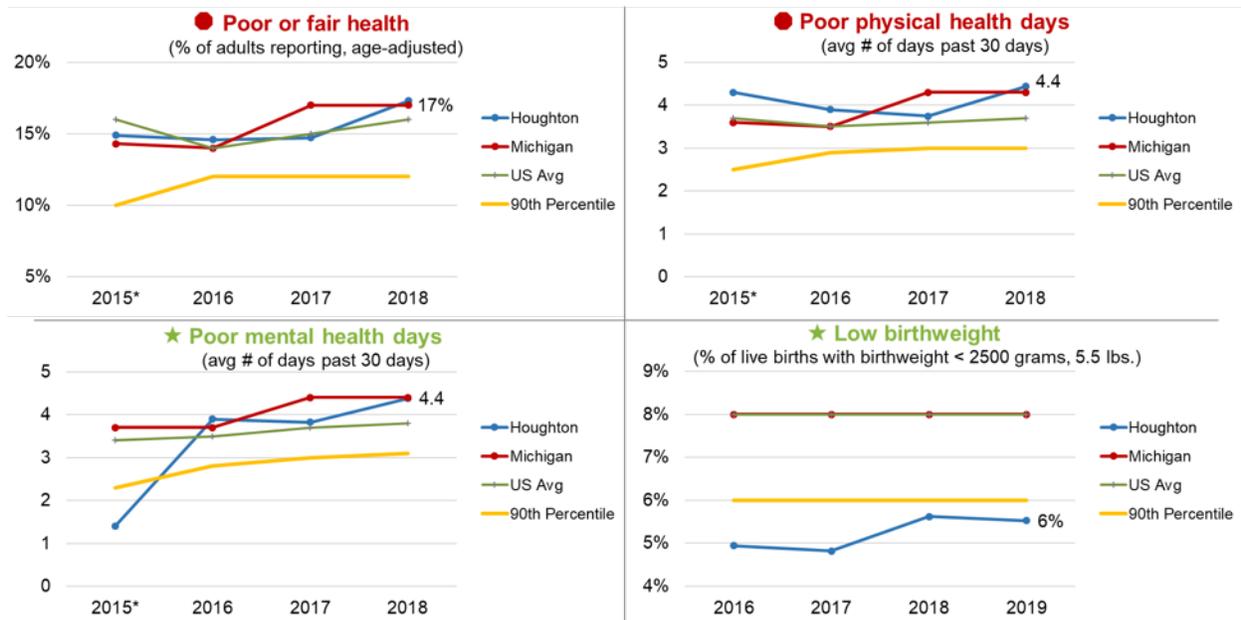
Red areas had death rates higher than MI. The leading causes of death in Houghton County were heart disease followed by cancer, like MI and the U.S. However, the heart disease and cancer death rates were higher than MI and the U.S. Deaths from stroke, Alzheimer's Disease, diabetes and suicide rates were higher than MI and the U.S.

In most of the following graphs, Houghton County will be blue, Michigan will be red, U.S. green and the 90th percentile of counties in the U.S. gold. *indicates a change in the Behavior Risk Factor Surveillance System (BRFSS) Survey calculations of results. 2016 forward cannot be compared to prior year results.

Suicide Rate	Houghton County	Michigan	US
2013-2017	13.5	13.5	13.3
2012-2016	13.3	13.2	13.0
2011-2015	12.1	12.9	12.8
2010-2014	10.7	12.7	12.5

Quality of Life

Quality of life was measured by: % reporting fair or poor health, the average number of poor physical health days and poor mental health days in the past 30 days, and % of live births with birthweight less than 2500 grams, or 5.5 lbs. Houghton County ranked 36th in Michigan for quality of life.



Source: County Health Rankings; Behavioral Risk Factor Surveillance System (BRFSS) 2016 Source: County Health Rankings; National Center for Health Statistics – Natality files (2011-2017)

Quality of Life Strengths

- Years of potential life lost per 100,000 population prior to age 75 in was lower than at 6,685 than MI and the U.S., but the trend is increasing.
- Houghton County had a lower death rate for accidents, respiratory diseases, and influenza and pneumonia than MI.
- Houghton had the same number of poor mental health days in the past 30 days as MI at 4.4
- Houghton County had a lower percentage, 6%, of low birthweight babies than MI and the U.S.

Quality of Life Opportunities

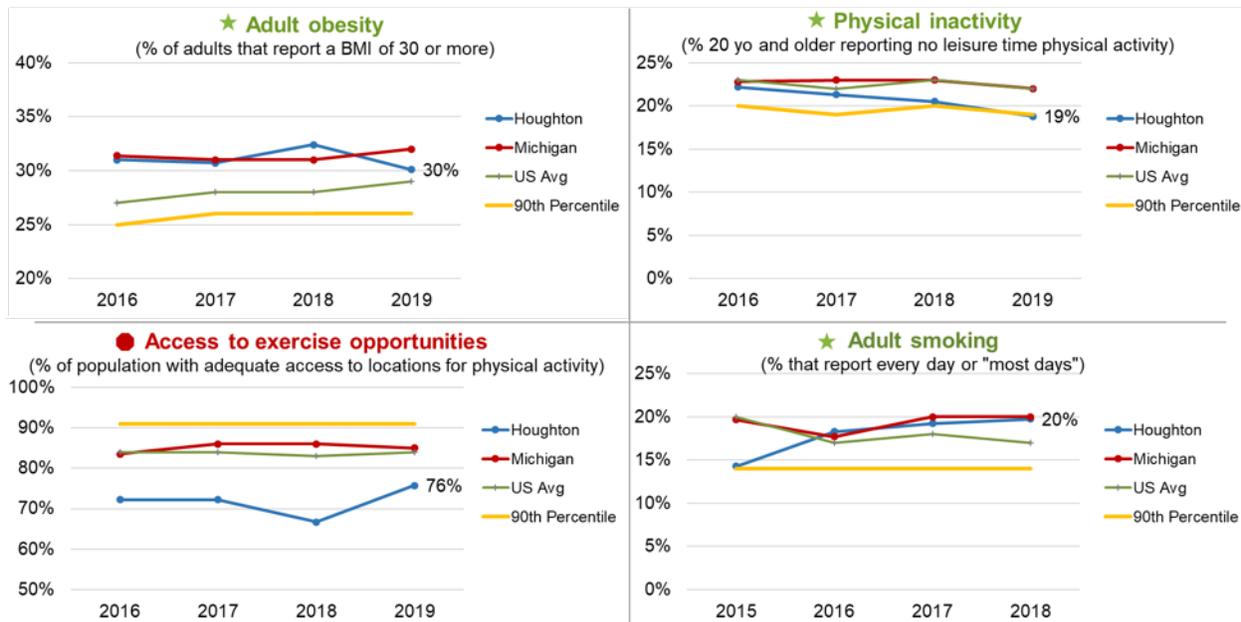
- Houghton County had higher death rates than MI for heart disease, cancer, stroke, Alzheimer's Disease, diabetes and suicide.
- Houghton County had a higher percentage of adults reporting poor or fair health than MI (and the U.S.) at 17%
- Houghton County had higher average number of poor physical health days than MI at 4.4 and the U.S. at 3.7.

Health Factors or Determinants

Health factors or determinants rankings are comprised of measures related to health behaviors (30%), clinical care (20%), social & economic factors (40%), and physical environment (10%). Houghton County ranked 19th out of 83 counties in Michigan.

Health Behaviors

Health behaviors are made up of nine measures and account for 30% of the county rankings. Houghton County ranked 35th out of 83 counties in Michigan.

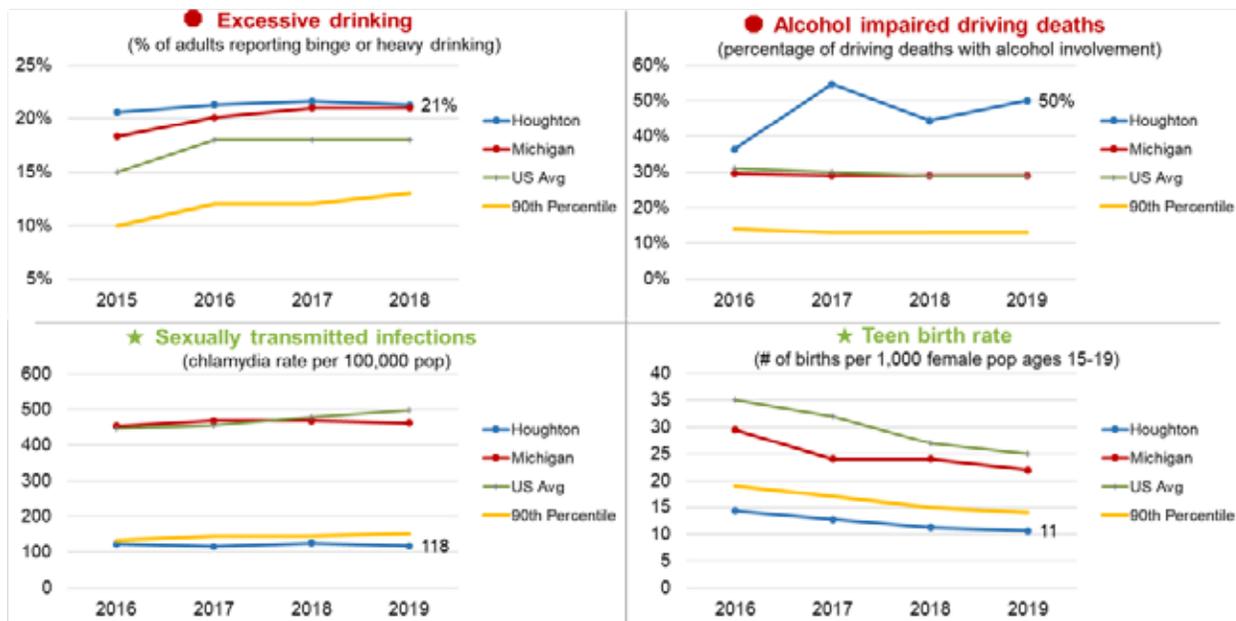


Source: Obesity, physical inactivity - County Health Rankings; CDC Diabetes Interactive Atlas based on responses to BRFSS and Census Bureau's population estimates program, 2015 Source: Access to exercise opportunities - County Health Rankings; ArcGIS Business Analyst, Delorme map data, Esri and U.S. Census Tigerline Files, 2010 and 2018. Measures the percentage of individuals in a County who live reasonably close to a location for physical activity, defined as parks or recreational facilities (local, state national parks, gyms, community centers, YMCAs, dance studios and pools based on SIC codes) Source: Smoking - County Health Rankings; Behavioral Risk Factor Surveillance System (BRFSS), 2016

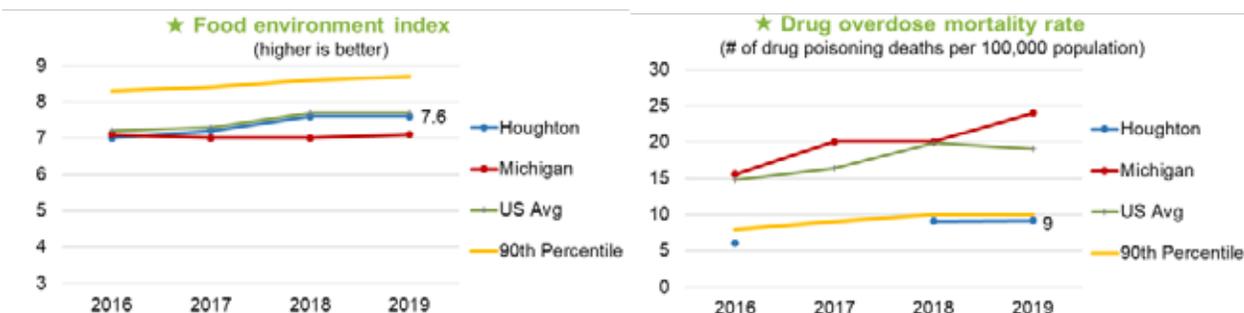
Reason for Smoking Ranking

Each year approximately 480,000 premature deaths can be attributed to smoking.¹ Cigarette smoking is identified as a cause of various cancers, cardiovascular disease, and respiratory conditions, as well as low birthweight and other adverse health outcomes. Measuring the prevalence of tobacco use in the population can alert communities to potential adverse health outcomes and can be valuable for assessing the need for cessation programs or the effectiveness of existing programs.

¹U.S. Department of Health and Human Services. The Health Consequences of Smoking—50 Years of Progress: A Report of the Surgeon General. Atlanta: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014[accessed 2018 Feb 22]. [2] Nelson DE, Holtzman D, Bolen J, Stanwyck CA, Mack KA. Reliability and validity of measures from the Behavioral Risk Factor Surveillance System (BRFSS). *Soz Praventivmed.* 2001;46:S3-S42.



Source: Excessive drinking - County Health Rankings; Behavioral Risk Factor Surveillance System (BRFSS), 2016 Source: Alcohol-impaired driving deaths - County Health Rankings; Fatality Analysis Reporting System, 2013-2017 Source: STIs - County Health Rankings; National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, 2016 Source: Teen birth rate – County Health Rankings; National Center for Health Statistics – Natality files, 2011-2017



Source: County Health Rankings; USDA Food Environment Atlas, Map the Meal Gap from Feeding America, 2015 & 2016; CDC WONDER mortality data, 2015-2017

The food environment index is comprised of % of the population with limited access to healthy foods and % of the population with food insecurity. Limited access to foods estimates the % of the population who are low income and do not live close to a grocery store. Food insecurity is the % of the population who did not have access to a reliable source of food during the past year.

Source: US Census County Business Patterns, 2016

Following excerpt is taken from American Lung Association website, www.lung.org, “The Impact of E-Cigarettes on the Lung.”

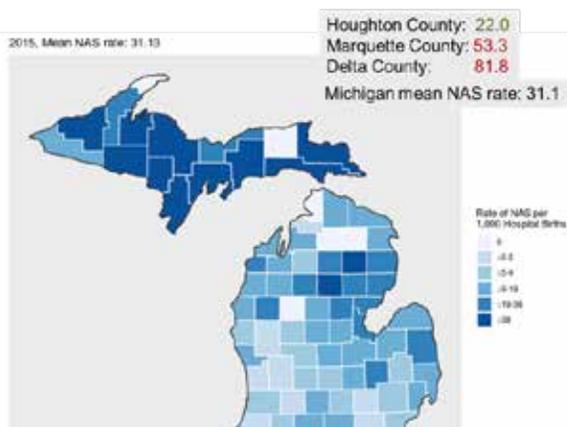
“In January 2018, the National Academies of Science, Engineering and Medicine¹ released a consensus study report that reviewed over 800 different studies. That report made clear: using e-cigarettes causes health risks. It concluded that e-cigarettes both contain and emit a number of potentially toxic substances. The Academies’ report also states there is moderate evidence that youth who use e-cigarettes are at increased risk for cough and wheezing and an increase in asthma exacerbations. A study from the University of North Carolina found that the two primary ingredients found in e-cigarettes—propylene glycol and vegetable glycerin—are toxic to cells and that the more ingredients in an e-liquid, the greater the toxicity.² E-cigarettes produce a number of dangerous chemicals including acetaldehyde, acrolein, and formaldehyde. These aldehydes can cause lung disease, as well as cardiovascular (heart) disease.³ E-cigarettes also contain acrolein, a herbicide primarily used to kill weeds. It can cause acute lung injury and COPD and may cause asthma and lung cancer.⁴”

¹NAM Report - <https://www.nap.edu/resource/24952/012318ecigaretteConclusionsbyEvidence.pdf>

²Sassano MF, Davis ES, Keating JE, Zorn BT, Kochar TK, Wolfgang MC, et al. (2018) Evaluation of e-liquid toxicity using an open-source high-throughput screening assay. *PLoS Biol* 16(3): e2003904. <https://doi.org/10.1371/journal.pbio.2003904>

³Ogunwale, Mumiye A et al. (2017) Aldehyde Detection in Electronic Cigarette Aerosols. *ACS omega* 2(3): 1207-1214. doi: 10.1021/acsomega.6b00489].

⁴Bein K, Leikauf GD. (2011) Acrolein - a pulmonary hazard. *Mol Nutr Food Res* 55(9):1342-60. doi: 10.1002/mnfr.201100279.

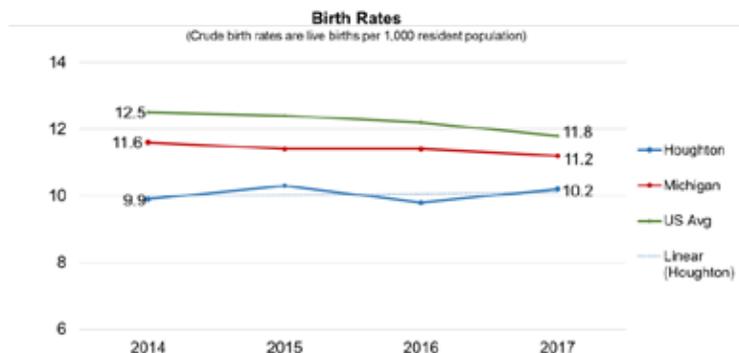


Neonatal Abstinence Syndrome Rates by County per 1,000 Hospital Births

Houghton County’s neonatal abstinence syndrome rate was 22.0 and was in the fifth sextile in MI, lower than MI mean rate of 31.1.

Birth Rates

The birth rate increased from 9.9 per 1,000 population in 2014 to 10.2 in 2017.



Health Behaviors Strengths

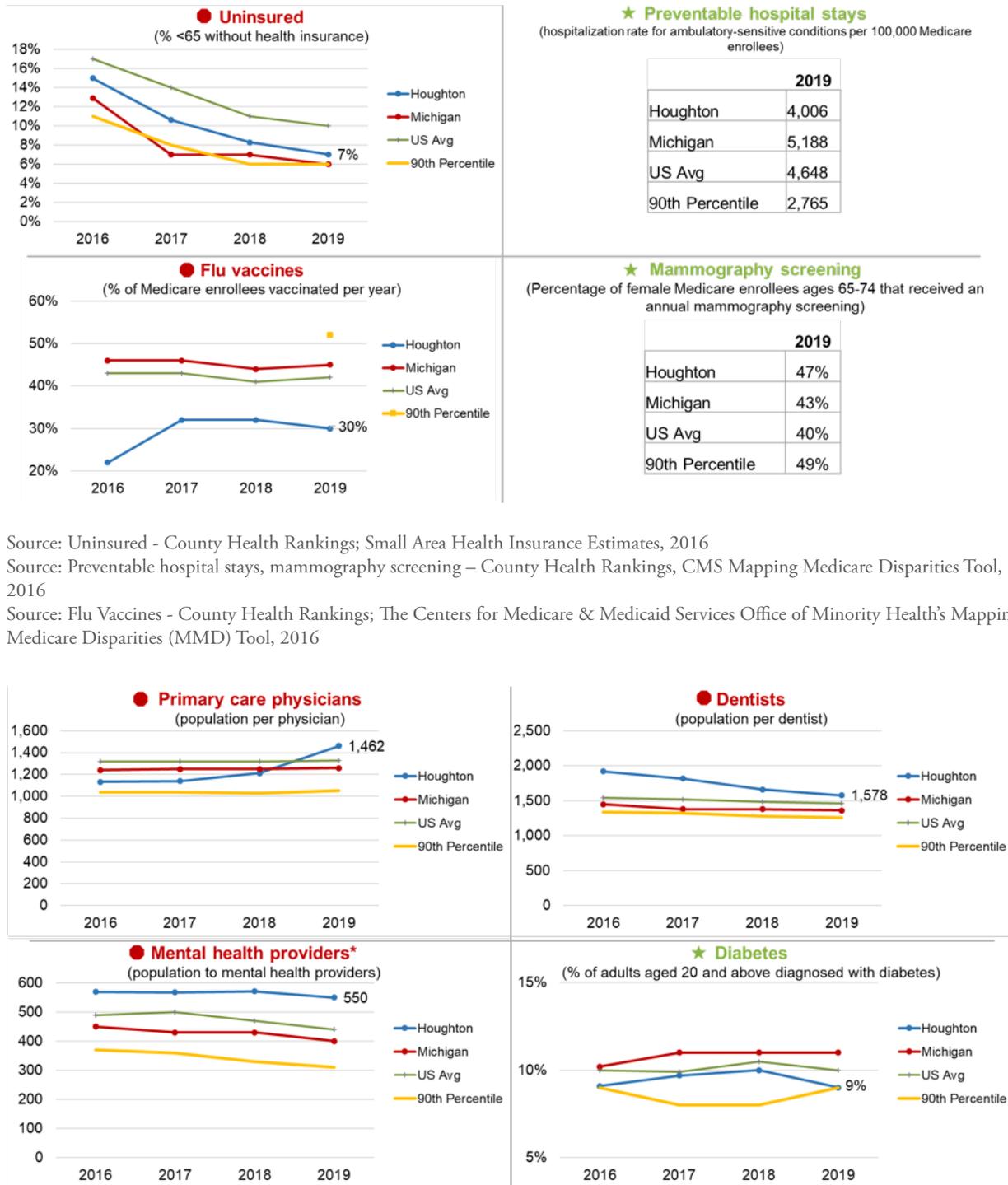
- Adult obesity in Houghton County was lower at 30% than MI but higher than the U.S. Obesity in Michigan and the U.S. continue to rise, putting people at increased risk of chronic diseases including diabetes, kidney disease, joint problems, hypertension and heart disease. Obesity can cause complications in surgery and with anesthesia. It has been implicated in Alzheimer's Disease and often leads to metabolic syndrome and type 2 diabetes.
- Physical inactivity was lower at 19% than MI and the U.S. both at 22% and in the 90th percentile of all counties.
- Adult smoking was lower in Houghton County (19.76%) than MI at 20% but higher than the U.S. at 17%. Given the dangers of any smoking the percentage should be lower.
- Sexually transmitted infections measured by chlamydia rate per 100,000 population were lower in Houghton County (118) than MI (463) and the U.S. (497).
- The teen birth rates in Houghton County were lower than MI, in the top 10% of all counties, at 11 births per 1,000 female population ages 15-19 with MI at 22 births and the U.S. at 25 births and has decreased since 2016.
- The drug overdose mortality rates in Houghton County were lower than MI and the U.S. Houghton was in the top 10% of all counties.
- Neonatal abstinence syndrome was lower in Houghton County 22 per 1,000 hospital births than MI at 31.1.
- The food environment index was higher (better) in than MI. The index increased/improved for since 2016. Houghton County was slightly lower than the U.S.

Health Behaviors Opportunities

- Access to exercise opportunities in Houghton County was 76%, lower than MI at 85%.
- 21% of Houghton County reported binge or heavy drinking higher than MI, and higher than the U.S. at 18%.
- Alcohol impaired driving deaths were higher at 50% than in MI and the U.S. both at 29%.

Clinical Care

Clinical care ranking is made up of seven indicators, and account for 20% of the county rankings. Houghton County ranked 36th out of 83 Michigan counties in clinical care.



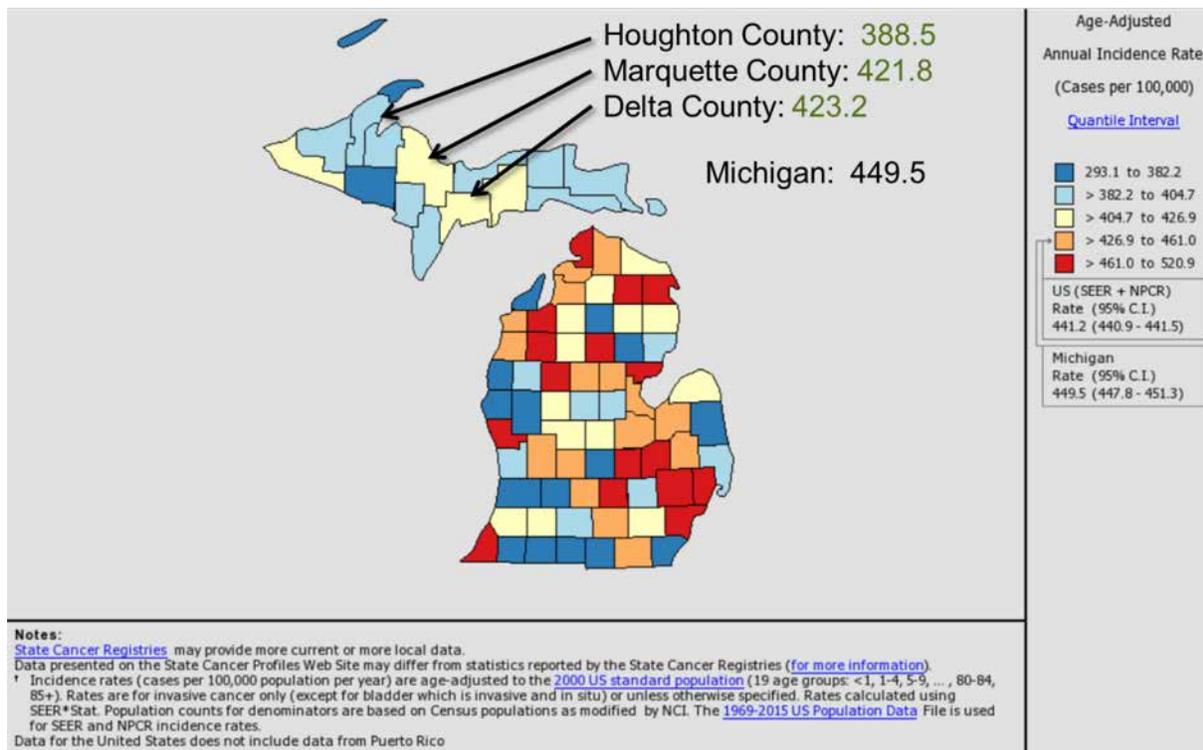
Source: Pop to PCP - County Health Rankings; Area Health Resource File/American Medical Association, 2016

Source: Pop to Dentists - County Health Rankings; Area Health Resource File/National Provider Identification file, 2017

Source: Pop to mental health provider (psychiatrists, psychologists, licensed clinical social workers, counselors, marriage and family therapists and advanced practice nurses specializing in mental health) County Health Rankings; CMS, National Provider Identification, 2018

Source: Diabetes

Cancer Incidence Rates – MI Counties



Clinical Care Strengths

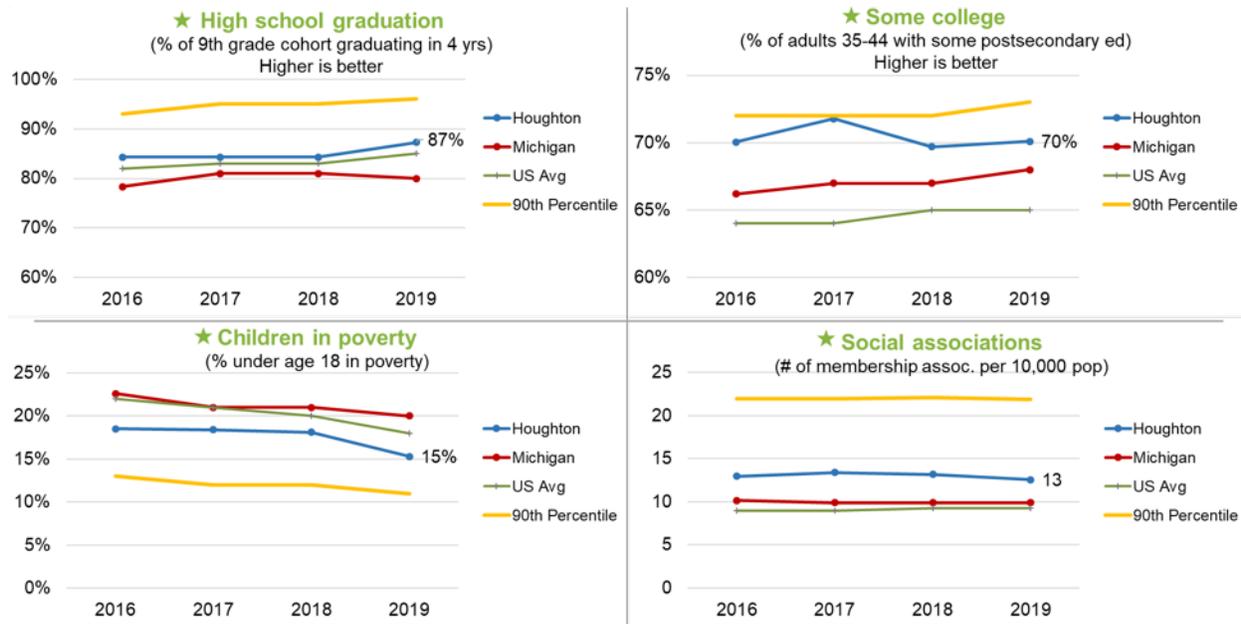
- Preventable hospital stays in Houghton County were 4,006 per 100,000 Medicare enrollees which was lower than MI (5,188) and the U.S. (4,648).
- Mammography screening was higher in Houghton County at 47% than MI at 43% and the U.S. at 40%.
- The percentage of adults aged 20 and above diagnosed with diabetes was lower in Houghton County at 9%, than MI and the U.S. Houghton County was in the top 10% of all counties.
- The cancer cases per 100,000 population were lower in Houghton at 388.5 than MI (449.5).

Clinical Care Opportunities

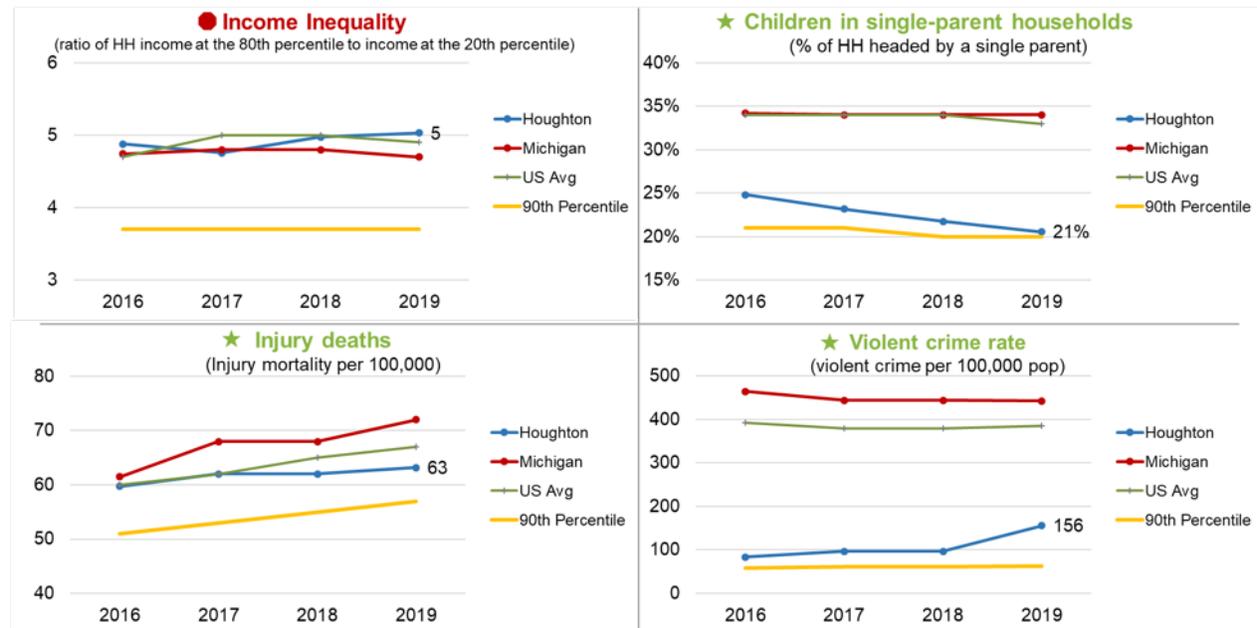
- The uninsured percentages were higher in Houghton County at 7%, than MI, but lower than the U.S. at 10%. The uninsured trend has been declining since 2016.
- The percent of Medicare enrollees with flu vaccines per year was lower in Houghton County at 30% than MI, 45% and the U.S. at 42%.
- The population per primary care physician, dentist and mental health providers was higher in Houghton County than MI and the U.S.

Social and Economic Factors

Social and economic factors account for 40% of the county rankings. There are eight measures in the social and economic factors category. Houghton County ranked 19th out of 83 Michigan counties.



Source: High School graduation – County Health Rankings; MI Dept of Public Instruction, 2016-2017 Source: Some college - County Health Rankings; American Community Survey, 5-year estimates, 2013-2017. Source: Children in poverty - County Health Rankings; U.S. Census, Small Area Income and Poverty Estimates, 2017 Source: Social associations - County Health Rankings; County Business Patterns, 2016



Source: Income inequality and children in single-parent households - County Health Rankings; American Community Survey, 5-year estimates 2013-2017. Source: Injury deaths – County Health Rankings; CDC WONDER mortality data, 2013-2017. Source: Violent crime - County Health Rankings; Uniform Crime Reporting – FBI, 2014 & 2016

Social and Economic Factors Strengths

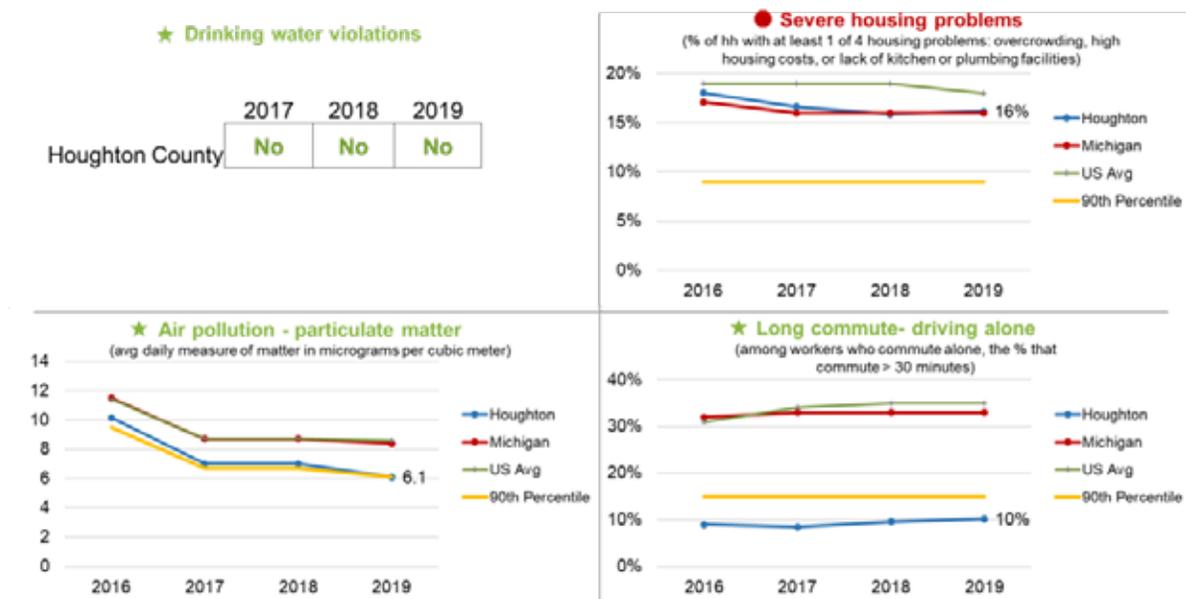
- High school graduation was higher in Houghton County at 87% than MI at 89% and the U.S. at 85%.
- Houghton County had a higher percentage of adults with some postsecondary education than MI and the U.S.
- The children in poverty rate was lower in Houghton County at 15% than MI (20%) and the U.S. (18%).
- Social associations were higher in Houghton County at 13 memberships per 10,000 population than MI at 11 and the U.S. at 9 memberships. Associations include membership organizations such as civic organizations, bowling centers, golf clubs, fitness centers, sports organizations, religious organizations, political organizations, labor organizations, business organizations, and professional organizations.
- Injury deaths were lower in Houghton County at 63 deaths per 100,000 population than MI (72) and the U.S.
- The percentage of children in single-parent households was 21% in Houghton County which was lower than MI at 34% and the U.S. at 33%.
- The violent crime rate measured as violent crimes per 100,000 population was lower in Houghton County at 156 than in MI at 443 and the U.S. at 386.

Social and Economic Factors Opportunities

- Income inequality was higher in Houghton County than MI and the U.S. at 5 (ratio of household income at the 80th percentile to income at the 20th percentile).
- The median household income in Houghton County was lower at \$46,191 than MI \$55,885 and the U.S. at \$60,548.
- The poverty estimates for 2017 was higher in Houghton County at 14.9% than MI, and the U.S.
- There was a census tract in Calumet with lower household income at \$29K and two surrounding tracts with \$38K and \$37K. The tract that includes the university had \$18K median household income.

Physical Environment

Physical environment contains four measures in the category and accounts for 10% of the County rankings. Houghton ranked 4th out of 83 Michigan counties in physical environment.



Source: Drinking water violations – County Health Rankings; EPA, Safe Drinking Water Information System, 2017. Source: Severe housing problems – County Health Rankings; HUD Comprehensive Housing Affordability Strategy data, 2011-2015. Source: Driving alone to work and long commute – County Health Rankings; American Community Survey, 5-year estimates, 2013-2017. Source: Air pollution – County Health Rankings; CDC National Environmental Health Tracking Network, 2014

Physical Environment Strengths

- Houghton County had no drinking water violations in the most recent three years.
- Air pollution measured as the average daily measure of matter in micrograms per cubic meter was lower in Houghton County at 6.1 than MI and the U.S. both at 9.
- Houghton County had low percentages of workers commuting alone and driving over 30 minutes.

Physical Environment Opportunities

- Houghton County had slightly higher percentage of severe housing problems at 16% than MI, but lower than the U.S.

Four Broad Themes That Emerged in the Process:

- Houghton County needs to create a “Culture of Health” which permeates throughout the towns, employers, churches, and community organizations to engender commitment to health improvement.
- There is a direct relationship between health outcomes and affluence (income and education). Those with the lowest income and education generally have the poorest health outcomes.
- While any given measure may show an overall good picture of community health, subgroups such as the lower income census tracts may experience lower health status measures.
- It will take a partnership with a wide range of organizations and citizens pooling resources to meaningfully impact the health of the community. However, Houghton County has many assets to improve health.



Results of the CHNA

*Community Health Summit Prioritized Health Needs,
Brainstormed Goals and Actions*

Prioritization Criteria

At the Community Health Summit, the attendees reviewed the community health information and used the criteria below to prioritize the health needs in the community.

Magnitude/scale of the problem

How big is the problem? How many people does the problem affect, either actually or potentially? In terms of human impact, how does it compare to other health issues?

Seriousness of Consequences

What degree of disability or premature death occurs because of this problem? What would happen if the issue were not made a priority? What is the level of burden on the community (economic, social or other)?

Feasibility

Is the problem preventable? How much change can be made? What is the community's capacity to address it? Are there available resources to address it sustainably? What's already being done, and is it working? What are the community's intrinsic barriers and how big are they to overcome?

Most Significant Community Health Needs

The following needs were prioritized by attendees at the Community Health Summit. Using a nominal group technique, each attendee received three sticky notes and selected their top three health needs and posted their ideas on paper at the front of the room. The results of the activity are below with higher numbers indicating the number of "votes" or priority by topic. The bullets below the health need are many of the comments received on the sticky notes.

1. Substance use
2. Mental health
3. Healthy eating/Active living – Obesity
4. Access to care
5. Socioeconomics

1. Substance Use (16 sticky notes)

- Substance abuse (8)
- Substance use disorder treatment
- Substance use disorder (alcohol, tobacco, opioids)
- Substance abuse, including marijuana
- Substance abuse – high percentage of excessive drinking; high percentage of drugs, alcohol use
- Substance abuse – cigarettes/vapes
- Substance abuse – growing concerns re: vaping and marijuana use, particularly among youth; new

cultural norms that negatively impact health

- Smoking, vaping, tobacco use
- Smoking

2. Mental Health (14 sticky notes)

- Mental health (4)
- Access to mental health providers/services/programs (4)
- Mental health issues with lack of proper treatment/community members ignoring the problems
- Depression/anxiety in kids
- Mental health depression, lack of recreation, difficult to change because of location, lack of specialists
- Mental Health lack of resources, clients placed in low cost rentals
- Mental health – recognition of problem, access to care

3. Healthy eating/active living - Obesity (13 sticky notes)

- Obesity (5)
- Obesity/healthy eating
- Access to good food
- General lack of good nutrition information
- Health care provider lack of nutrition information
- Healthy food – cause: regulation business approach. Resolution: local farms should be selling products in stores.
- Obesity, sedentary life. Cause: computers. Resolution: active workstations. Problem: expensive insurance does not cover
- Food insecurity; food access
- Preventive health education

4. Access to care (8 sticky notes)

- Access to care, providers, primary care (5)
- Access to health care – Regional Medical Center downsized, less services available, Pts traveling further to receive care.
- Apathy toward overall health /wellbeing. Need to reach the people most in need of care
- Chronic diseases/aging

5. Socioeconomics (3 sticky notes)

- Socioeconomic issues
- Income inequality/low income
- Wages/economic issues

Community Health Summit Brainstorming

The most significant health needs coalesced into five categories. Table groups then brainstormed goals and actions for each goal along with resources and collaborators needed. The brainstorm results are below. UPHS Portage and other community organizations can use the brainstorming when creating their plans to improve the health of the community.

Significant Health Need 1 - Substance Use

Goal 1 - Reduce substance abuse prevalence in all demographic groups

Action 1

Poverty initiative (improve economics and job creation)

Action 2

Education on prevention

Resources/Collaborators Needed

Health Systems, School systems, law enforcement, local units of Government, KEDA/MI Works, CTC, Great Lakes Recovery, PHF, Dial Help

Goal 2 - Implement prevention programs within community targeting youth

Action 1

Target youth with school-based programs

Action 2

Build broad community education programs

Resources/Collaborators Needed

School systems, health systems, Portage Health Foundation, Dial Help, radio stations, marketing, health department, Finlandia, Gogebic Community College, Michigan Tech University

Goal 3 - Build a comprehensive network of care for substance abuse (acute treatment, residential services, post-acute outpatient services)

Action 1

Create a collaborative network of providers

Action 2

Build physical infrastructure for services (inpatient, residential, outpatient, housing post treatment)

Resources/Collaborators Needed

Health systems, mental health (CCMH), Great Lakes Recovery, Dial Help, CTC, Portage Health Foundation, MI Works, Communities that Care

Significant Health Need 2 - Access to mental health services

Goal 1 - Set up a mental health community collaboration summit by Q2 2020

Action 1

Reach out to all local organizations that are relevant to participate about the summit

Goal 2 - Develop a plan to increase availability of behavioral health professionals by Q4 2020

Action 1

Leverage FQHC for grant money, Leverage Portage Health Foundation for money

Action 2

Work with local schools (MI) for increased training of professionals (MSN, BSN, Psychologists, psychiatrists, MSW)

Goal 3 - Develop infrastructure (cross organizations) to support mental health services Q3 2020

Action 1

Leverage FQHC for Grant money; leverage Portage Health Foundation for money

Resources/Collaborators Needed

Health systems, universities, community colleges, foundations, providers, grants

Significant Health Need 3 - Healthy Eating/Active Living – Obesity

Goal 1 – Conduct an educational event once a quarter focused on healthy living in 2020

Action 1

Topic of education – what does it mean to be healthy?

Action 2

Build collaborative team to coordinate events and provide resources (Hospitals)

Resources/Collaborators Needed

Local hospitals – UPHS Portage, Aspirus Baraga , UGL; schools; churches; Portage Health Foundation; Libraries; BHK

Goal 2 - Promote indoor, free walking spaces and social community during winter months in 2021/22

Action 1

Identify possible locations

Action 2

Promote the locations

Resources/Collaborators Needed

Malls, schools, hospitals, universities

Goal 3 - Promote healthier food options within the community and service organizations

Action 1

Suggest healthy options to donate to food pantries and food bank

Action 2

Recognize and reward a community member who chooses a healthy option – entered into a drawing for a gift card

Action 3

Educate on how to eat healthy on a budget. Show cost of sugary drinks compared to water.

Resources/Collaborators Needed

Food pantries and banks, 31 back packs, RD's, community service organizations (LBFE – Little Brothers)

Significant Health Need 4 - Access to care

Goal 1 - Educate public on what primary care and dental services are available and how much they will cost

Action 1

Educate why and how they need a primary care provider and a dentist using traditional and digital media

Action 2

Utilize third party education remove branding (Hospitals) and show available services and how to get them

Action 3

Educate people on insurance including Medicaid and the exchange plans and what preventive care is included in their insurance

Goal 2 - Recruit physicians (specific specialties)

Action 1

Offer incentives to come and stay in the U.P. e.g. loan forgiveness, spouse placement program

Action 2

Create a marketing campaign on pros of living and staying in the U.P. to practice

Goal 3 - Create low-income programs and make them easily accessible

Action 1

Offer free consultations to get them to come – explain costs/educate them where they are, e.g. food pantries, give resources/discounts, make screenings available in “pop-up shops”.

Action 2

Address using healthcare while they're young – after school program for everyone, screenings available – non-branded

Action 3

Advertise the sliding fee program through the Federally Qualified Health Center (FQHC)

Resources/Collaborators Needed

Nursing schools, financing, hospitals, non-profits, health department

Significant Health Need 5 - Socioeconomics

Goal 1 - Increase awareness of high school/college students of current economic opportunities locally, i.e. health care or education careers

Action 1

Career fairs directed at high school students

Action 2

Focus on local products sold in local stores, community working together to provide local jobs

Goal 2 - Encourage new growth economic opportunities in diverse fields (tourism, local universities, education, manufacturers, technology, engineering)

Action 1

Partner with economic organization and organizations like smartzone, chamber, etc.

Action 2

Target folks who live here and work remotely

Action 3

Explore remote working opportunities to live in the U.P.

Resources/Collaborators Needed

Economic development, Chamber, high schools, employers



Impact of 2016 CHNA and Implementation Plan

In 2016, the Houghton County, Michigan communities prioritized the following health needs:

1. Mental and Behavioral Health
2. Obesity – healthy eating, active living
3. Substance Abuse
4. Access
5. Aging/Chronic Diseases
6. Socioeconomics/Violence

UPHS – Portage selected aging/chronic disease management, mental and behavioral health, and access to care for their implementation plan.

Aging and Chronic Disease Management

(also supports healthy eating, active living)

- Since 2016, UPHS-Portage offered the following screening and education programs through Community Health that help people deal with chronic conditions:
- Day for Women – 5/14/16 and 5/22/19 – Evenings devoted to health topics just for women including education, free health screenings and socializing
- Health and Safety Fair – 6/4/16, 6/3/17 and 6/1/19 – Annual event highlighting services and programs offered within the community. Event includes free screenings, healthy food, hands-on demonstrations.
- Men’s Health Tune-up – 10/15/16 and 1/12/18 – Evenings devoted to health topics just for men including education, free health screenings and socializing.
- Heart Health by the Numbers – 2/28/18 and 2/27/19 – Heart health screenings offered free and reviewed by Dr. Khouri, Cardiologist and education to improve health.
- A Healthier You – 1/12/19 – event focused on small ways to improve health in big ways. Opportunities to meet with dietitians, exercise and rehab specialists and try out exercise equipment.
- Dementia Education Series offered 3 times during the year for caregivers, families, and healthcare staff
- Stroke Support Group offered once a month for families and survivors of stroke

Since 2016, UPHS-Portage developed a clinically integrated network to drive clinical improvements to improve health status as well as reduce the overall cost of care.

Mental & Behavioral Health

Since 2016, UPHS—Portage assisted Upper Great Lakes Behavioral Health in recruitment of behavioral health providers.

Behavioral Health Improvement Task Force Activities

Involved with Portage Health Foundation who works behavioral health improvement issues.

Access to Care

Availability of needed physician specialties – Consistently making efforts to recruit the 5 specialties listed. Did recruit a dermatologist. Lost an ENT, but actively recruiting another. Other specialties have proven to be much more difficult.

Accessibility of Means-Based Services

New service lines in Calumet at Upper Great Lakes Family Health Center and Calumet Express Care. UGLFHC Calumet offers dental services, behavioral services, and family practice. Calumet Express Care offers physical and occupational therapy as well as being a walk-in clinic.

Healthcare Navigator Program

Financial counselors that help with payment plans, gaining access to Medicaid. If patients don't have insurance, counselors work on getting them Medicaid applications and assisting with charity programs.



Community Assets and Inventory

Houghton County, MI

Geography

Cities

- Hancock
- Houghton (county seat)

Villages

- Calumet
- Copper City
- Lake Linden
- Laurium
- South Range

Charter townships

- Calumet Charter Township
- Portage Charter Township

Civil townships

- Adams Township
- Chassell Township
- Duncan Township
- Elm River Township
- Franklin Township
- Hancock Township
- Laird Township
- Osceola Township
- Quincy Township
- Schoolcraft Township
- Stanton Township
- Torch Lake Township

Census-designated places

- Dollar Bay
- Hubbell

Other unincorporated communities

- Atlantic Mine
- Blue Jacket

- Centennial
- Chassell
- Dakota Heights
- Dodgeville
- Donken
- Dreamland
- Franklin Mine
- Freda
- Hurontown
- Jacobsville
- Kearsarge
- Mason
- Painesdale
- Redridge
- Ripley
- Senter
- Tamarack City
- Toivola
- Trimountain
- Twin Lakes
- White City
- Yellow Jacket

Transportation

Airport

Houghton County
Memorial Airport
23810 Airpark Blvd Ste 113
Calumet, MI 49913

Marine

Deep-water port

Bus lines

Indian Trails

Main Highways

- US 41
- M-26
- M-28
- M-38
- M-203

Media

Radio

- C58T 580 AM
Thunder Bay, ON
- CKPR 580 AM
Thunder Bay, ON
- WMPL 920 AM
Hancock, MI
- WCCY 1400 AM
Houghton, MI
- WGGL 91.1 FM
Houghton, MI
- WMTU 91.9 FM
Houghton, MI
- WKMJ 93.5 FM
Hancock, MI
- WOLV 97.7 FM
Houghton, MI
- WGLI 98.7 FM
Hancock, MI
- W257CZ 99.3 FM
Houghton, MI
- W260AC 99.9 FM
Houghton, MI
- WUPY 101.1 FM
Ontonagon, MI
- WHKB 102.3 FM
Houghton, MI
- WVCN 104.3 FM
Baraga, MI
- WCUP 105.7 FM

Lanse, MI

- W297CD 107.3 FM
Hancock, MI

Government

County Department Phone Numbers

12th Circuit Court
(906) 482-5420

12th Circuit Court Parole &
Probation
(906) 482-6615

District Court Clerk
(906) 482-4980

Friend of The Court
(906) 482-2102

Houghton County
Building Department
(906) 482-2260

Houghton County Clerk
(906) 482-1150

Houghton County Controller
(906) 482-8307

Houghton County
Drain Commissioner
(906) 482-4491

Houghton County
Emergency Measures
(906) 482-6400

Houghton County
Equalization Department
(906) 482-0250

Houghton County
Register of Deeds
(906) 482-1311

Houghton County
Road Commission
(906) 482-3600

Houghton County
Sheriff's Office

(906) 482-0055

Houghton County Solid
Waste Transfer Station
(906) 482-8872

Houghton County
Treasurer's Office
(906) 482-0560

Houghton-Keweenaw County
Department of Veterans Affairs
(906) 482-0102

Houghton-Keweenaw County
MSU Extension
(906) 482-5830

Probate & Family Court
(906) 482-3120

Prosecuting Attorney
(906) 482-3214

County Board of Commissioners

District 1
Tom Tikkanen
Vice Chairman

District 2
Al Koskela
Chairman

District 3
Glenn Anderson

District 4
Gretchen Janssen

District 5
Roy Britz

Elected County Officials

12th Circuit Court

Honorable Charles R.
Goodman - Circuit Court
Judge

Pamela Beggs - Circuit Court
Reporter

Diana Ginter - Circuit Court

Administrator

12th Circuit Court Parole & Probation

Russell Ryyanen - Parole/
Probation Agent

Tanya Etelamaki - Parole/
Probation Agent

Friend of The Court

Brenda Cadwell,
Friend Of The Court

Dan Giachino,
Enforcement Office

Philip Foltz, Mediator

Manda Sheridan,
Senior Accounts Processor

Toni Cleary,
Senior Accounts Processor

Heather Cote,
Senior Accounts Processor

Houghton County Building Department

Todd LaRoux,
Houghton County Clerk

Jennifer Kelly, County Clerk

Susan Lewis,
Deputy County Clerk

Beverly Smith,
Senior Accounts Processor

Renee Cunningham,
Senior Account Processor

Houghton County Controller

Eric Forsberg - Administrator

Elizabeth Bjorn - Accountant

Houghton County Drain Commissioner

John Pekkala

Houghton County

Emergency Measures

Christopher Van Arsdale -
Director

Houghton County Equalization
Department

Cheryl M. Patrick - Director

Jaikob Djerf - Deputy Director

LuAnn Hayrynen - Property
Appraiser

Sara Huuki - Senior Accounts
Processor

Houghton County Register of Deeds

Jennifer Kelly - Register of
Deeds

Mary Ann Krug - Deputy
Register

Linda Fredrickson - Senior
Accounts Processor

Jenny Deycaza - Senior
Accounts Processor

Houghton County Sheriff's Office

Brian J. McLean - Sheriff

Kevin L. Coppo -
Undersheriff/911 Coordinator

Houghton County Treasurer's Office

Lisa Mattila - County Treasurer

Karen Semmens - Deputy
County Treasurer

Carol Little - Senior Accounts
Processor

Jason Coffey - Senior Accounts
Processor

Houghton-Keweenaw County Department of Veterans Affairs

Joe Battisfore

Houghton-Keweenaw County MSU Extension

Deborah Hilscher, Office
Manager

Anne Kretschmann, 4-H
Program Coordinator

Kathy Bauer, Snap Ed PI

Probate & Family Court

Honorable Fraser T. Strome -
Judge

Barbara A. Battersby - Juvenile
Officer

Susan L. O'Connell - Probation
Officer, Adoption Specialist

Prosecuting Attorney

Brittany Bulleit - Prosecuting
Attorney

Jesse Belanger - Assistant
Prosecuting Attorney

Major Employers

Michigan Technological
University

UP Health System Portage

Aspirus Keweenaw

Wal-Mart Corporation

BHK Child Development
Board

Copper Country Mental Health

CLK Schools

Calumet Electronics
Corporation

Portage Township Schools

Midwest Loan Service

Copper County ISD

Horner Flooring

Koppers

GS Engineering

ThermoAnalytics

Anderson Welding

Public Safety

Police

Houghton County
Sheriff's Office

403 E Houghton Ave

Houghton, MI 49931

(906) 482-0055

Houghton Police Department

616 Shelden Ave Suite 101

Houghton, MI 49931

(906) 482-2121

Laurium Village Police Station

310 Hecla St

Laurium, MI 49913

(906) 337-4000

Michigan State Police

Calumet Post

55195 US Highway 41 S

Calumet, MI 49913

(906) 337-5145

Fire

Toivola Volunteer

Fire Department

41095 Church Rd

Toivola, MI 49965

(906) 288-3393

Bootjack Fire Hall

49676 Bootjack Rd

Lake Linden, MI 49945

(906) 296-0900

Stanton Township Volunteer

Fire Department Precinct 1, Inc

16841 Fire Hall Rd

Houghton, MI 49931

(906) 482-2026

Laird Township Volunteer

Fire Department

Hwy M38
 Nisula, MI 49952
 (906) 338-2717
 Chassell Medical First
 Responders
 22115 7th St
 Chassell, MI 49916
 (906) 481-4000
 Houghton Fire Department
 1404 Gundlach Rd
 Houghton, MI 49931
 (906) 482-0009
 Duncan Township
 Volunteer Fire Department
 Highway M28
 Sidnaw, MI 49961
 (906) 355-2147
 Lake Otter Volunteer
 Fire Department
 16035 Palo Rd
 Chassell, MI 49916
 (906) 334-2547
 EMS Ambulance Services
 Mercy EMS, Inc.
 23298 Airpark Blvd
 Calumet, MI 49913-9717
 (906) 482-0932
 Chassell Medical First Response
 P.O. Box 438
 Chassell, MI 49916
 (906) 370-0081

Healthcare

Hospitals

UP Health System—Portage
 500 Campus Dr
 Hancock, MI 49930
 (906) 483-1000
 Aspirus Keweenaw Hospital
 205 Osceola Street
 Laurium, MI 49913

(906) 337-6500
 Health Department
 Western Upper Peninsula
 Health Department
 540 Depot St
 Hancock, MI 49930

Dentists

Ronald J Fisher DDS
 1550 W Quincy St
 Hancock, MI 49930
 (906) 482-3621
 R L Kavorik DDS
 725 Cedar Bluff Dr
 Houghton, MI 49931
 (906) 482-2020
 Gary A Moberg DDS
 502 Shelden Ave Suite 1
 Houghton, MI 49931
 (906) 482-0808
 Beesley, Leonard W DDS
 1111 Hecla St
 Hancock, MI 49930
 (906) 482-8602
 Orr, Sally D DDS
 77 3rd St
 Laurium, MI 49913
 (906) 337-0444
 David Anderson
 402 E Sharon Ave
 Houghton, MI 49931
 (906) 482-6497
 John M Lawton DDS
 1550 W Quincy St
 Hancock, MI 49930
 (906) 482-1098
 Stacknik, Susan DDS
 611 W Houghton Ave
 Houghton, MI 49931
 (906) 482-0015
 Richards, Robert D DDS
 896 Campus Dr

Hancock, MI 49930
 (906) 482-8527
 James W Sarazin DDS Pc
 528 Quincy St Suite 4
 Hancock, MI 49930
 (906) 482-8601
 Lilliana Kostinski DDS
 21921 Peepsock Rd
 Houghton, MI 49931
 (906) 482-8331
 J C Archibald DDS
 1220 Military Rd
 Houghton, MI 49931
 (906) 482-4262
 Rebecca B Johnson DDS
 903 Razorback Dr Ste 10
 Houghton, MI 49931
 (906) 483-0200

Clinics

UP Health System—Portage -
 University Center
 600 Macinnes Dr
 Houghton, MI 49931
 (906) 483-1860
 Express Care- Calumet
 56720 Calumet Ave,
 Calumet, MI 49913
 (906) 481-8952
 Express Care - Houghton
 921 W Sharon Avenue
 Houghton, MI 49931
 (906) 483-1777
 Hancock VA Clinic
 787 Market St #9
 Hancock, MI 49930
 (906) 482-7762
 BlueSky Health
 903 Razorback Dr #1
 Houghton, MI 49931
 (517) 545-2400
 Aspirus Houghton Clinic

1000 Cedar St Houghton, MI 49931 (906) 487-1710	(906) 483-1160 Portage Health Home Services, Inc. 200 Michigan St Suite #328 Hancock, MI 49930 (906) 483-1170	56938 Calumet Ave Calumet, MI 49913 (906) 337-5810
Upper Great Lakes Houghton Family Health Center 600 Macinnes Dr Houghton, MI 49931 (906) 483-1860	UPCAP Services 787 Market St #7 Hancock, MI 49930 (906) 482-0982	Phoenix House Blue Jacket Location Waterworks St Calumet Twp, MI 49913 (906) 337-0763
Aspirus Lake Linden Clinic 110 Calumet St Lake Linden, MI 49945 (906) 296-5040	Aspirus At Home 1101 N Elevation St Hancock, MI 49930 (800) 594-7053	Western UP Substance Abuse 902 W Sharon Ave Houghton, MI 49931 (906) 482-7710
Long-term Care and Assisted Living Gardenview 26096 E, Elm St Calumet Twp, MI 49913 (906) 934-6111	My Nurse 50670 Miller Rd Atlantic Mine, MI 49905 (906) 482-4035	North Coast Counseling Services, LLC 300 Dunstan St Hancock, MI 49930 (906) 523-5580
Our Lady-Mercy Health & Rehab 52225 B Ave Hubbell, MI 49934 (906) 296-3301	Omega House 2211 Maureen Ln Houghton, MI 49931 (906) 482-4438	Portage Psychological Services 540 Depot St Hancock, MI 49930 (906) 281-3459
Portage House 1400 Ravine Side Dr Houghton, MI 49931 (906) 487-1746	Behavioral and Addiction Services Great Lakes Recovery Centers - Hancock Outpatient Services 920 W Water St Ste 6 Hancock, MI 49930 (906) 482-7710	Copper Island Behavioral Health 810 Quincy St Hancock, MI 49930 (906) 482-9440
Bluffs 1000 Bluff View Dr Houghton, MI 49931 (906) 483-4400	Copper Country Mental Health, Rice Memorial Center 901 W Memorial Dr Houghton, MI 49931 (906) 482-9400	Psychology Associates 56730 Calumet Ave F Calumet, MI 49913 (906) 337-6839
The Lighthouse at Hancock Health and Rehabilitation 1400 Poplar St Hancock, MI 49930 (906) 482-6644	The Institute 900 West Sharon Ave Houghton, MI 49931 (906) 482-4880	Durable Medical Equipment Apothecary HME - Home Medical Equipment Store 894 Campus Dr Hancock, MI 49930 (906) 483-1290
Home Health and Hospice UPHS—Portage Home Care & Hospice 821 Water St Hancock, MI 49930	Copper Country Mental Health, Rice Memorial Center – CLK Branch	Beltone Skoric Hearing Aid Center LLC - Google Maps 540 Depot St #203 Hancock, MI 49930 (906) 523-1107

Other

Portage Health Dialysis Center
500 Campus Dr
Hancock, MI 49930

Aspirus Eye Clinic
1000 Cedar St
Houghton, MI 49931

Aspirus Outpatient Therapies
and Fitness Center – Calumet
25680 Copper King Way
Laurium, MI 49913
(906) 337-7000

Aspirus Outpatient
Therapies – Houghton
1000 Cedar St
Houghton, MI 49931
(906) 487-1710

Portage Health
Rehab – Calumet
4 6th St
Osceola, MI 49913
(906) 337-4029

Northern Footcare Clinic
801 Memorial Rd
Houghton, MI 49931
(906) 482-9950

Hotlines

Michigan Coalition Against
Sexual & Domestic Violence
(800) 996-6228

Michigan Victim Services
(517) 373-3740

Michigan Victims Alliance
(517) 487-8278

National Hotlines

Emergency
911

National Suicide
Prevention Lifeline

800-273-TALK
or 800-237-8255

National Runaway Safeline
1-800-RUNAWAY

National Centers
for Disease Control
1-800-232-4636

Gay, Lesbian, Bisexual and
Transgender National Hotline
1-888-843-4564

HIPS Hotline
1-800-676-HIPS

National Sexually Transmitted
Disease Hotline
1-800-227-8922

Women Alive
1-800-554-4876

AIDS Info
1-800-HIV-0440

Project Inform
1-800-822-7422

DMRS Investigations
1-888-633-1313

Mobile Crisis
1-800-681-7444

Domestic Violence
1-800-356-6767

Spanish Domestic Violence
Hotline Number
1-800-942-6908

Poison Control Center
1-800-222-1222

Veterans Crisis Line
800-273-8255 Press 1

National Youth Crisis Hotline
800-442-HOPE (4673)

National Missing
Children Hotline
1-800-235-3535

National Sexual Assault Hotline
1-800-656-4673

Alcohol Hotline
1-800-331-2900

Alcohol Treatment
Referral Hotline
1-800-252-6465

National Drug Abuse Hotline
1-800-662-4357

Poison Control
1-800-942-5969

National Homeless Hotline
1-800-231-6946

National Elder Abuse Hotline
1-800-252-8966

Community, Civic, Non-Profit Organizations

Basic Needs Assistance
31 Backpacks Inc
1100 Century Way Ste C
Houghton, MI 49931

DDIY
924 Prospect St
Hancock, MI 49930

Let's Eat Community Meals Inc
40178 Lower Worham Rd
Chassell, MI 49916

Western Upper Peninsula
Food Bank Inc
926 Dodge St
Houghton, MI 49931

Housing

Hope House Homeless Shelter
606 Quincy St
Hancock, MI 49930

Habitat For Humanity
International Inc
1400 Townsend Dr Mem Un
Bldg Rm 106

Houghton, MI 49931

Women's Services

WIC

540 Depot St

Hancock, MI 49930

American Association
of University Women

229 Pewabic St

Calumet, MI 49913

League of Women Voters of
Michigan Copper Country

PO Box 815

Houghton, MI 49931

Children and Youth Organizations

Keweenaw Children's
Museum Inc

700 Park Ave

Houghton, MI 49931

Student Development Complex
101 Macinnes Dr

Houghton, MI 49931

Good Will Farm Association
PO Box 428

Houghton, MI 49931

Simple Kindness For Youth Inc
809 Hecla St

Hancock, MI 49930

Superior Child Abuse
Prevention Council

PO Box 832

Houghton, MI 49931

Portage Lake Youth Association
504 Calverley Ave

Houghton, MI 49931

Soccer Assoc For Youth
PO Box 756

Houghton, MI 49931

U.P. Kids

57 Huron St

Houghton, MI 49931

Summer Youth Programs
Administration Building, 1400

Townsend Dr,

Houghton, MI 49931

Community Service
Organizations

Arnold Air Society-Silver Wings
1400 Townsend Dr ROTC

Bldg Rm 104

Houghton, MI 49931

Calumet Hockey
Association Inc

PO Box 385

Calumet, MI 49913

Cancer Fund Board of
Overseers Michigan Federation

of B & PW

45320 Us Highway 41

Chassell, MI 49916

Copper Country
Associated Artists

PO Box 24

Calumet, MI 49913

Disabled American Veterans
PO Box 145

Calumet, MI 49913

Disabled American Veterans
PO Box 52

Toivola, MI 49965

Disabled American Veterans
Auxiliary Inc

42878 Lakeshore Dr

Chassell, MI 49916

Dollar Bay Volunteer Fire
Department Inc

PO Box 112

Dollar Bay, MI 49922

International Association of
Lions Club

PO Box 122

Painesdale, MI 49955

International Association
of Lions Clubs

50617 Bootjack Rd

Lake Linden, MI 49945

International Association
of Lions Clubs

PO Box 1

Calumet, MI 49913

International Association
of Lions Clubs

PO Box 218

South Range, MI 49963

International Association
of Lions Clubs

PO Box 22

Chassell, MI 49916

International Association
of Lions Clubs

PO Box 667

Dollar Bay, MI 49922

Kiwanis International
1033 Summit St

Hancock, MI 49930

Kiwanis International Inc
PO Box 43

Houghton, MI 49931

Lake Linden Hubbell
Sportmens Association Inc

PO Box 35

Lake Linden, MI 49945

Lake Superior Region of the
Sports Car Club of America Inc

55275 Cemetery Rd

Calumet, MI 49913

Marine Corps League

51760 Seeburg Dr

Calumet, MI 49913

Michigan Association of Retired
School Personnel

38588 Singing Sands Road
Chassell, MI 49916

National Organization for
Women Inc Copper Country
22 Woodland Rd
Houghton, MI 49931

Rotary International
21710 Peepsock Rd
Houghton, MI 49931

Rotary International
399 Quincy St
Hancock, MI 49930

Sons of Union Veterans
of the Civil War
1617 Anthony St
Hancock, MI 49930

Cultural, Ethnic Awareness
Finnfest USA 2013
Committee Inc
PO Box 479
Hancock, MI 49930

Quincy Smelter Association
49083 N Royce Rd
Hancock, MI 49930

Economic Development
Organizations
Keweenaw Industrial Council
600 E Lakeshore Drive
Houghton, MI 49931

Main Street Calumet Inc
PO Box 188
Calumet, MI 49913

Foundations

Adams Township School
District Foundation Inc
PO Box 37
Painesdale, MI 49955

Bootjack Fire & Rescue
Foundation Inc
47715 Bootjack Rd

Lake Linden, MI 49945

Brody Strong Foundation
21953 Creamery Rd
Chassell, MI 49916

Chassell Township Public
School Foundation
PO Box 140
Chassell, MI 49916

Hancock Housing Foundation
1401 Quincy Street
Hancock, MI 49930

Hancock Public Schools
Foundation Inc
501 Campus Dr
Hancock, MI 49930

Herman Gundlach Foundation
PO Box 86
Toivola, MI 49965

Hollys Starlight Foundation
PO Box 143
Calumet, MI 49913

Houghton-Portage Township
Schools Foundation Inc
1603 Gundlach Rd
Houghton,
MI 49931

Jeff Moyle Memorial
Foundation
PO Box 414
Houghton, MI 49931

John Wesley-James Jones
Memorial Foundation
201 Isle Royale St
Houghton, MI 49931

Keweenaw Community
Foundation
236 Quincy St
Hancock, MI 49930

Keweenaw Health Foundation
205 Osceola St
Calumet, MI 49913

Lake Linden - Hubbell Public
Schools Foundation Inc
601 Calumet St
Lake Linden, MI 49945

Michigan Parkinson
Foundation
311 6Th St
Calumet, MI 49913

National Parks of Lake
Superior Foundation
PO Box 31
Houghton, MI 49931

Portage Health Foundation
PO Box 299
Hancock, MI 49930

Portage Lake
Enrichment Foundation
PO Box 336
Houghton, MI 49931

Public Schools of Calumet
Laurium & Keweenaw
Foundation Inc
57070 Mine St
Calumet, MI 49913

Rabbit Island Foundation Inc
209 5Th St
Calumet, MI 49913

Rice Memorial
Clinic Foundation
235 Quincy St
Hancock, MI 49930

Seatec Foundation
Mitch Technological
Univ Eerc 516
Houghton, MI 49931

St Aton Foundation Inc
PO Box 547
Houghton, MI 49931

Life Skills/Job Training
Michigan Works!
400 Quincy St, 3rd Floor

Hancock, MI 49930
 (906) 482-6916

Non- Emergency
 Transport Services
 UPHP Transportation
 Department
 1-800-835-2556

Outreach Ministries
 Life Outreach Center
 PO Box 563
 Hancock, MI 49930

Dawn of A New Day
 Addiction Ministry
 PO Box 484
 South Range, MI 49963

Saint Albert the
 Great Catholic Church
 411 Macinnes Dr
 Houghton, MI 49931

Zion Lutheran Church
 400 Ingot St
 Hancock, MI 49930

Parks and Outdoor Activities
 Isle Royale & Keweenaw Parks
 Association
 800 E Lakeshore Dr
 Houghton, MI 49931

Michigan Parkinson
 Foundation
 311 6th St
 Calumet, MI 49913

National Parks of Lake
 Superior Foundation
 PO Box 31
 Houghton, MI 49931

Nara Nature Park / MTU Trails
 Waterfront Trail
 Waterfront Recreation
 Pewabic Street Community
 Garden
 F.J. McLain State Park

Senior Services

Calumet and Laurium Holistic
 Senior Center Inc
 307B 6Th St
 Calumet, MI 49913

Copper Country
 Senior Meals Inc
 821 W Water St
 Hancock, MI 49930

Apostolic Lutheran
 Home for the Aged
 58590 Railroad St
 Calumet, MI 49913

Houghton Housing
 Company Inc
 401 E Montezuma Ave
 Houghton, MI 49931

Laurium Elders Inc Still Waters
 Community Elders Home
 PO Box 645
 Calumet, MI 49913

Little Brothers-Friends
 of the Elderly
 527 Hancock St
 Hancock, MI 49930

Violence Assistance
 Phoenix House Inc
 PO Box 468
 Calumet, MI 49913

Attractions, Festivals, and Events

Attractions

Quincy Mine
 Keweenaw Waterway
 Portage Canal Lift Bridge
 Houghton County Historical
 Society
 A.E Seaman Mineralogical
 Chassell Heritage Center

John Macinnes Students
 Ice Arena
 Norwegian Lutheran Church
 Historical Society
 Art Calumet Center

Festivals, and Events:

Pine Mountain Music
 Festival Inc
 Parade of Nations
 U.P. North Music Festival
 Parade of Nations &
 Multicultural Festival
 41 North Film Festival
 Bridgefest Celebration

Education Resources

Libraries

Michigan Technological
 University
 103 Jr Van Pelt Library
 Houghton, MI 49931
 (906) 487-2737

J R Van Pelt Library
 1400 Townsend Dr
 Houghton, MI 49931
 (906) 487-2500

Jr Van Pelton Library
 1400 Townsend Dr
 Houghton, MI 49931
 (906) 487-2508

Lake Portage District Library
 58 Huron St
 Houghton, MI 49931
 (906) 482-2129

Public Schools

Copper Country
 Intermediate School
 911 Razorback Dr

Houghton MI, 49931
(906) 482-4250

Hancock Central High School
501 Campus Dr
Hancock MI, 49930
(906) 483-2540

Hancock Middle School
501 Campus Dr
Hancock MI, 49930
(906) 487-5923

Houghton Elementary School
203 W Jacker Ave
Houghton MI, 49931
(906) 482-0456

Houghton High School
1603 Gundlach Rd
Houghton MI, 49931
(906) 482-0451

Bridge High School
809 Hecla St
Hancock MI, 49930
(906) 482-0828

South Range
Elementary School
2 Whealkate Dr
South Range MI, 49963
(906) 482-4430

Copper Country
Learning Center
809 Hecla St
Hancock MI, 49930
(906) 482-7260

Barkell Elementary School
1201 N Elevation St
Hancock MI, 49930
(906) 487-9030

Osceola Elementary School
48475 Maple Dr
Dollar Bay MI, 49922
(906) 482-5800

Lake Linden Hubbell

High School
601 Calumet St
Lake Linden MI, 49945
(906) 296-6221

Lake Linden Hubbell
Elementary School
601 Calumet St
Lake Linden MI, 49945
(906) 296-6221

Chassell Township School
41585 US Highway 41
Chassell MI, 49916
(906) 523-4691

Private Schools

Copper Country
Christian School
20980 Broemer Rd
Calumet MI, 49913
(906) 487-1718

Child Care Centers
KBIC Pre Primary Edu
Program
112 College Rd
Baraga, MI 49908
(906) 353-5437

BHK Child Development
700 Park Avenue
Houghton, MI 49931
(906) 482-3663

Tiny Treasures Daycare
25886 Elm St
Calumet, MI 49913
(906) 337-3510

Right Start Kids Academy
1808 Grove St
Hancock, MI 49930
(906) 523-7424

Rainbow Kids Preschool
1201 N Elevation St Room 306
Hancock, MI 49930
(906) 487-9030 ext. 6306

Ryan Center
400 Michigan St
Hancock, MI 49930
(844) 245-4636

My School Children's House
709 W Edwards Ave
Houghton, MI 49931
(906) 482-7146

Little Red Schoolhouse
300 W Sharon Ave
Houghton, MI 49931
(844) 245-4636

Little Huskies Child
Development Center
500 Macinnes Dr
Houghton, MI 49931
(906) 487-3528

MTU Preschool Inc
2000 Woodmar Dr
Houghton, MI 49931
(906) 487-2720

Post-Secondary Education
Michigan Technological
University
1400 Townsend Dr
Houghton, MI 49931
(906) 487-1885

Finlandia University
601 Quincy St
Hancock, MI 49930
(906) 482-5300

Museums

Coppertown USA
Mining Museum

The Houghton County
Historical Museum

Carnegie Museum

A.E. Seaman Mineral Museum
of Michigan Tech

Copper Range Historical

Museum	Peninsula Christian Church Chassell	Hancock Zion Lutheran Church Hancock
Churches	Portage Lake United Church Chassell	Apostolic Lutheran Church Laurium
Apostolic Lutheran Church Chassell	Saint Albert the Great Catholic Church Chassell	Calumet United Methodist Church Laurium
Bethany Baptist Church Chassell	Saint Anne's Catholic Church Chassell	Community Church of Christ Laurium
Chassell Apostolic Lutheran Church Chassell	Saint Ignatius Loyala Church Chassell	Faith Lutheran Church Laurium
Christian Science Church Chassell	Seventh Day Adventist Church Chassell	Grace Christian Fellowship Laurium
Church of Jesus Christ of Latter Day Saints Chassell	Trinity Episcopal Church Chassell	Lake Linden Avenue Gospel Hall Laurium
Evangel Baptist Church Chassell	Unitarian Universalist Church Chassell	Lake Linden United Methodist Church Laurium
First Lutheran Church Chassell	Finnish Church Graveraet River	Laurium United Methodist Church Laurium
Good Shepherd Lutheran Church Chassell	Chapel of Saint Matthew Hancock	Sacred Heart Church Laurium
Grace United Methodist Church Chassell	Church of Christ Hancock	Saint Cecilia's Catholic Church Laurium
Holy Trinity Lutheran Church Chassell	Church of the Resurrection Hancock	Saint John's Lutheran Church Laurium
Hope Fellowship Church Chassell	Copper Country Church of the Nazarene Hancock	Saint Joseph Church Laurium
Houghton Baptist Church Chassell	First United Methodist Church Hancock	Saint Paul Lutheran Church Laurium
Maranatha Free Lutheran Church Chassell	Glad Tidings Assembly of God Church Hancock	Saint Paul the Apostle Church Laurium
Peace Evangelical Lutheran Church Chassell	Gloria Dei Lutheran Church Hancock	Saint Henrys Church Nisula
Pelkie Laestadian Church Chassell	Saints Peter and Paul Lutheran Church Hancock	Tapiola Apostolic Lutheran Church
	Salvation Army Church	

Otter Lake
Alston Apostolic Lutheran Church
Pelkie
Elo Church
Pine Lake
Sidnaw United Methodist Church
Sidnaw
Apostolic Lutheran Church
South Range
Calvary Baptist Church
South Range
Grace Lutheran Church
South Range
Holy Family Church
South Range
Painesdale Apostolic
Lutheran Church
South Range
Saints Sergius and Herman of Valaam Orthodox
Church
South Range

https://en.wikipedia.org/wiki/Houghton_County,_Michigan

Major Employers

<https://kedabiz.com/about/>

Healthcare

<https://www.portagehealth.org/>

Community, Civic, Non-Profit Organizations

<https://www.taxexemptworld.com/organizations/houghton-county-mi-michigan.asp>

<http://www.keweenaw.org/list/category/non-profit-20>

Attractions, Festivals, Events

https://www.tripadvisor.com/Attractions-g42319-Activities-Houghton_Upper_Peninsula_Michigan.html

Churches

<https://michigan.hometownlocator.com/features/cultural,class,church,scfips,26061.cfm>

Sources

<http://upeda.org/wp-content/uploads/2016/02/Houghton-County-Profile.pdf>
<https://www.google.com/map>
<http://www.cityofhoughton.com/>

Education

<https://www.niche.com/k12/search/best-school-districts/c/houghton-county-mi/>
<https://www.privateschoolreview.com/michigan/houghton-county>

Government

<http://www.houghtoncounty.net/>

Media

<https://radio-locator.com/cgi-bin/locate?select=city&city=Houghton&state=MI>

Geography