



Photo by Jim Marquardt

2023-2025 Lake County Community Health Improvement Plan



**Lake County
General Health District**
Public Health
Prevent. Promote. Protect.



University Hospitals

Approved March 21, 2023
Amended June 23, 2023

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Introduction

Lake County General Health District (LCGHD) was the 14th health department in Ohio to become accredited in August 2016, under Public Health Accreditation Board (PHAB) standards. One of the standards to receive and maintain PHAB accreditation includes participating in or leading a collaborative process that results in a comprehensive community health needs assessment (CHNA). For local health departments, the community health assessment evaluates the health of residents within the jurisdiction it serves. The results of the community health assessment are then intended to be used to coordinate a comprehensive community health improvement Plan (CHIP). PHAB requires that CHNAs and CHIPs be completed at least every five years; however, Ohio state law (ORC 3701.981) requires that health departments and hospitals collaborate to create a CHNA and CHIP every 3 years. Additionally, PHAB is a voluntary national accreditation program; however, the State of Ohio requires that all local health departments become accredited, making it imperative that all PHAB requirements continue to be met by the local health department.

Certain hospitals as set forth in the Section 501(r) regulations are required to complete a CHNA and corresponding implementation strategy at least once every three years in accordance with regulations promulgated by the Internal Revenue Service pursuant to the Patient Protection and Affordable Care Act (ACA), 2010.

LCGHD and Lake Health, prior to joining University Hospitals in 2021, completed their last CHNA and CHIP collaboratively in 2019. In 2022, University Hospitals and LCGHD reaffirmed their commitment to improving the health of Lake County residents by completing a joint CHNA, finalized September 21, 2022. This 2023-2025 Community Health Improvement Plan, intended to meet both PHAB and IRS requirements, is the culmination of efforts of the two entities, along with many community partner stakeholder organizations without whose time and contributions this essential work would not be possible.

The 2023-2025 Community Health Improvement Plan was approved by Lake County General Health District's Board of Health on January 23, 2023.

The 2023-2025 Community Health Improvement Plan was approved by University Hospitals' Board of Directors on March 21, 2023.

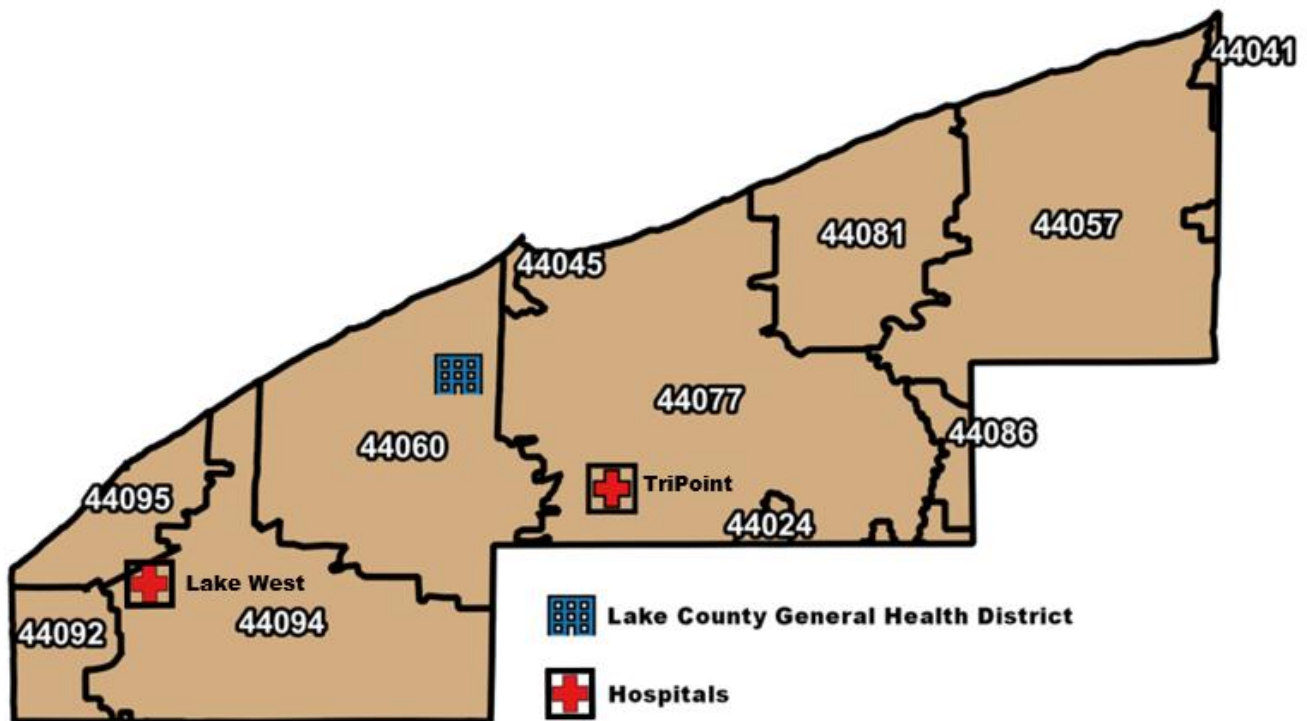
The 2023-2025 Community Health Improvement Plan was amended on June 23, 2023 to update Indicators and Strategies data tables on pages 25, 30, 34, and 42-43 including a correction to one baseline measure and to add corresponding dates for all baseline measures.

Community Served

The service area for both Lake County General Health District and UH Lake Health Medical Centers is defined as Lake County, both in practice and for the purposes of this assessment. The map below illustrates the Lake County service area with health department and hospital locations identified.

Lake County consists of 23 political subdivisions, including:

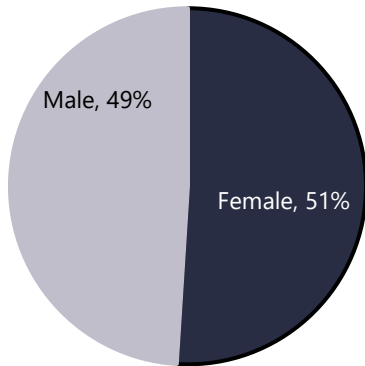
- | | | |
|-------------------------|----------------------|--------------------|
| Concord Township | Madison Township | Perry Village |
| Eastlake | Madison Village | Timberlake Village |
| Fairport Harbor Village | Mentor | Waite Hill Village |
| Grand River Village | Mentor-on-the-Lake | Wickliffe |
| Kirtland | North Perry Village | Willoughby |
| Kirtland Hills Village | Painesville | Willoughby Hills |
| Lakeline Village | Painesville Township | Willowick |
| Leroy Township | Perry Township | |



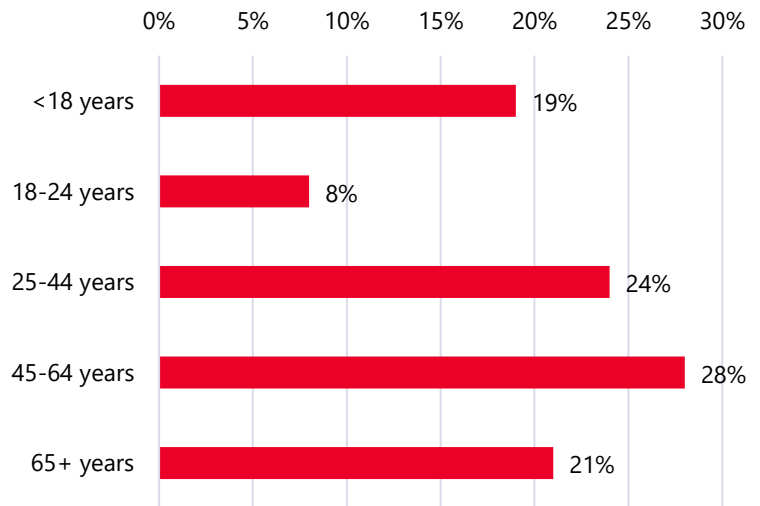
County Demographic Profile



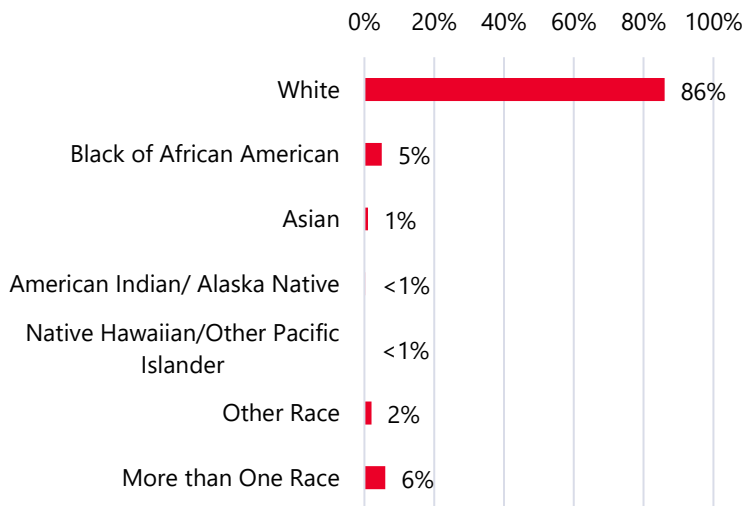
Sex Ratio of Lake County Residents, ACS 2021 1 Year Est.



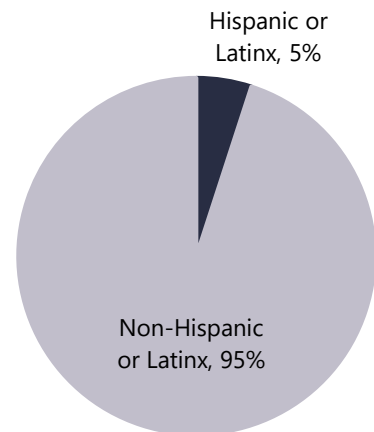
Ages of Lake County Residents, 2020 Census

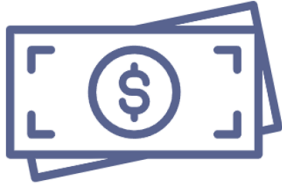


Races of Lake County Residents, 2020 Census



Ethnicity of Lake County Residents, ACS 2021 1 Year Est.





Median Household Income \$70,168

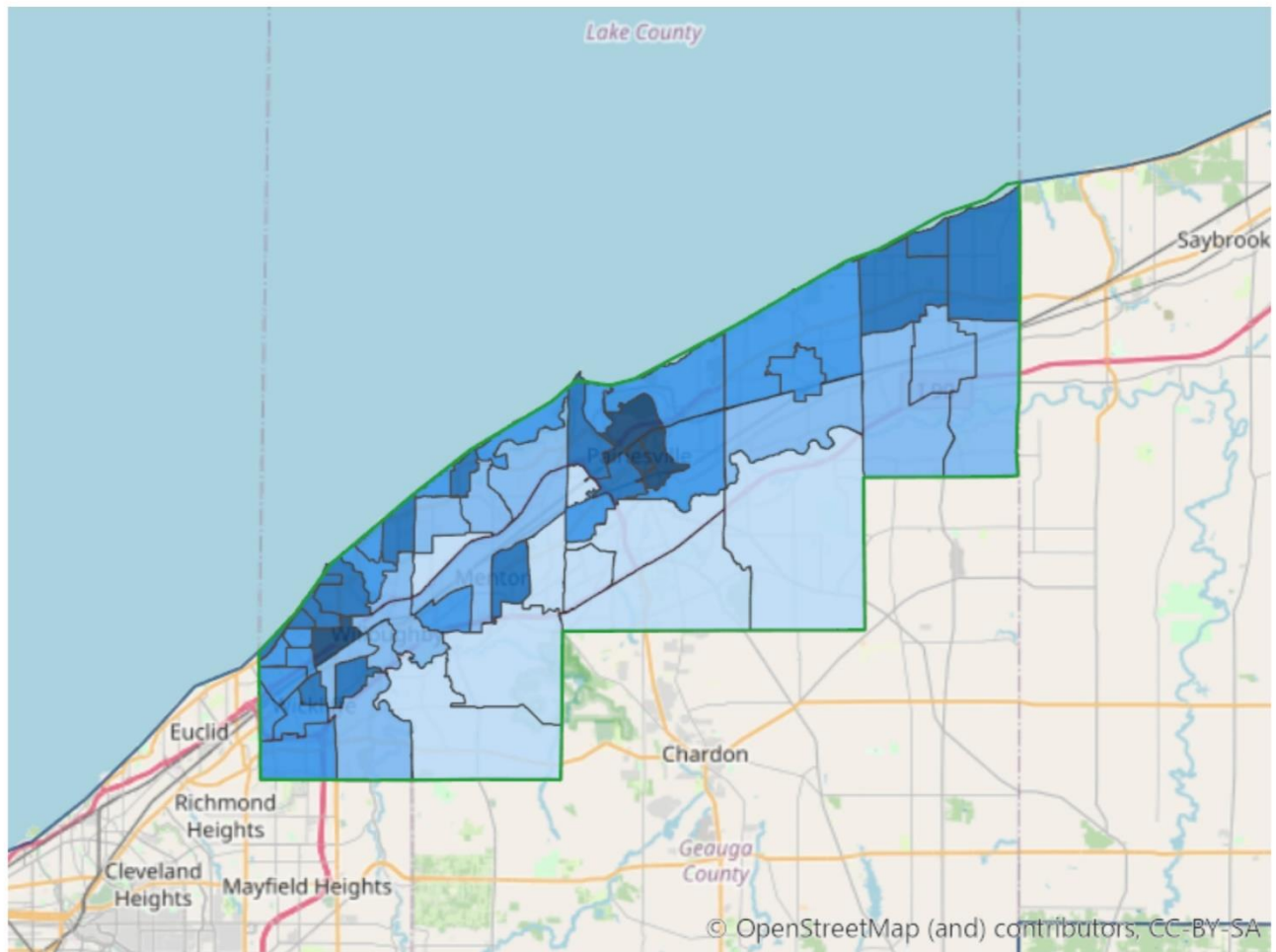


Ages 25+ with Bachelor's Degree or Higher

Health Equity Index
Census Tract

Measurement Period: 2021

Data Source: Conduent Healthy Communities Institute



MAP LEGEND

greater need →



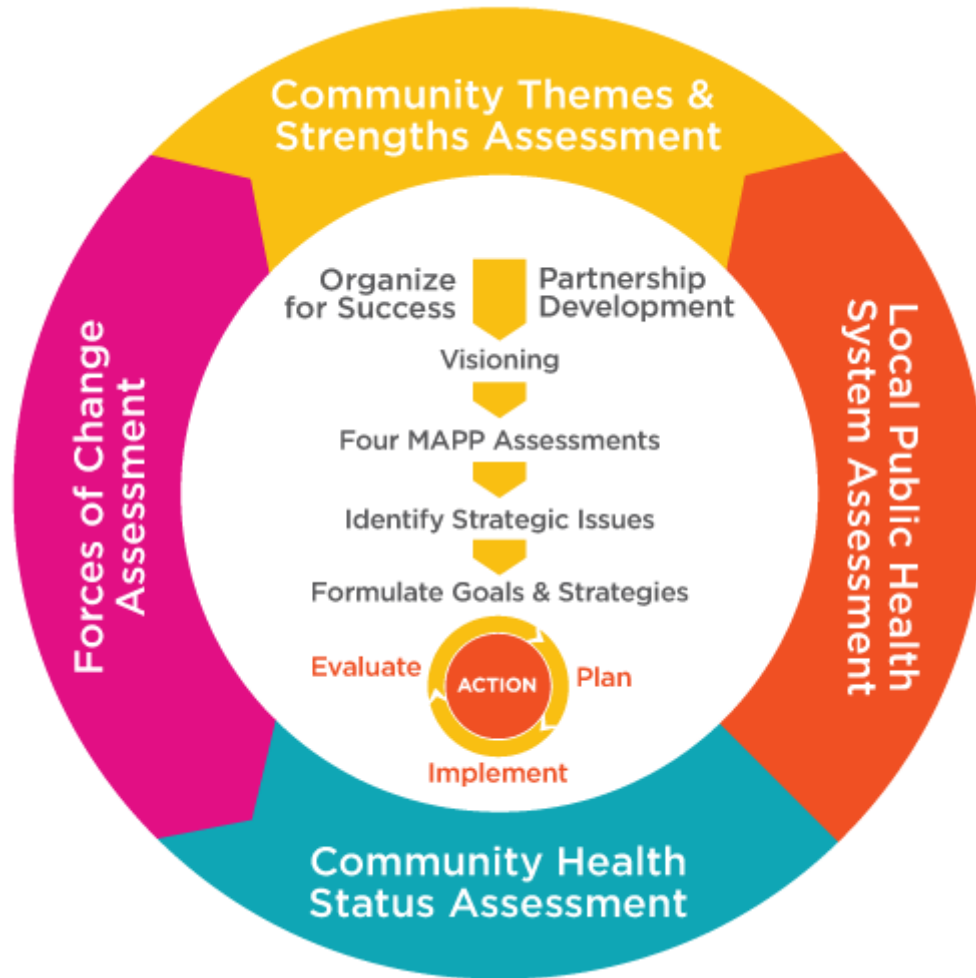
December 21, 2022

www.healthyneo.org

MAPP Assessment Process Overview

Mobilizing for Action through Planning and Partnerships, or MAPP, is a strategic planning tool that assists communities in prioritizing public health needs, identifying resources, and guiding the delivery of community specific programming in order to improve community health. The product of a five-year collaborative effort between the National Association of County and City Health Officials (NACCHO) and the Centers for Disease Control and Prevention (CDC), the creation of the MAPP framework provides a structured approach for enhancing community health. Use of the MAPP framework is required by the Ohio Department of Health for local health departments conducting a community health needs assessment and community health improvement plan. MAPP is characterized by six distinct phases, and Lake County has completed steps 1-5 in this improvement current cycle.

1. Organize for Success and Partnership Development
 - Merged the CHNA Steering Committee and CHIP Workgroup for a more robust, cohesive partnership.
 - Conducted three in-person meetings beginning in September 2022.
2. Visioning
 - Reviewed the previous vision and values statements and participated in an update activity.
3. The Four Assessments
 - Community Health Status Assessment: Process including targeted focus groups, community leader surveys, and resident survey. Contracted with Conduent Healthy Communities Institute for data analysis and plan construction.
 - Local Public Health System Assessment: Quantitative survey to organizations that represent the extended public health assessment.
 - Community Themes and Strengths: Open-ended questions and quantitative quality of life questions to residents.
 - Forces of Changes: Brainstorm session conducted with committee.
4. Identify Strategic Issues
 - Using data collected, facilitated prioritization activity conducted by Conduent Healthy Communities Institute.
5. Formulate Goals and Strategies
 - Review gaps in service related to strategic issues, and identify evidence-based strategies for inclusion in 2023-2025 improvement cycle.
6. Action Cycle
 - The improvement team will meet regularly to collect and review new community health data, and update and revise the improvement plan as necessary.



As of the time of the publication of this CHIP, NACCHO was in the final phases of development of MAPP 2.0, which will be an evolution of the MAPP framework described above. As the new handbook and assessment materials were not finalized during the beginning stages of this MAPP cycle, Lake County elected to use the existing MAPP framework and assessments. As MAPP 2.0 is revised and supporting assessment documents finalized and published, the new framework will be adopted by Lake County and used moving forward.

Community Partners

Lake County General Health District and University Hospitals Lake Health Medical Centers acknowledge and thank the organizations and community stakeholders who came together to construct this CHIP. These organizations attended three in-person planning workshops during September- October 2022, identified strategies to address prioritized issues, and provided insights and discussion to move the partnership forward. The following organizations are committed to working together to implement CHIP strategies, explore new opportunities to share data to enhance outcomes, and expand the partnership to include under-represented communities in Lake County.

Catholic Charities Lake County
Cleveland Clinic
Crossroads Health
Educational Service Center of the Western Reserve
Forbes House
Lake County Alcohol, Drug Addiction, and Mental Health Services Board
Lake County Council on Aging

Lake County Job & Family Services
Lake Geauga Recovery Center
Lakeland Community College
Lifeline, Inc.
Lake Metroparks
NAMI Lake County
Signature Health
Torchlight Youth Mentoring Alliance
United Way of Lake County

Vision and Values

As part of the MAPP process, community partners participated in an activity to discuss what they would like Lake County to ultimately look like, and what community characteristics or qualities would be needed to achieve that goal. The partnership collectively identified a vision statement and values that will guide the group's work over the course of this improvement cycle.

Vision: An equitable Lake County where all people work together to achieve optimal health for everyone

Values: Honor the inherent value of all persons

- Foster inclusive environments
- Engage the community and earn trust
- Link people to accessible services
- Collaborate with each other
- Ensure a culturally competent workforce
- Leverage funding and resources

Community Health Needs Assessment

The Community Health Needs Assessment consisted of several components.

First, a total of 171 secondary health data measures were collected from publically-available sources, such as County Health Rankings and Roadmaps, Community Commons, CDC (BRFSS, WONDER, WISQUARS, etc.), U.S. Census and American Community Survey data, and others. These measures were collected at the national, state, and county levels, and two additional demographically similar Ohio Counties, as well as benchmarked against Healthy People 2030 objectives when applicable. Significant health concerns for Lake County were determined by comparing Lake County's values with its comparison counties, state and national values, and Healthy People 2030 objectives to determine Lake County's comparative ranking among these benchmarks. Measures for which Lake County's value was unfavorable to 4 or 5 of the other values were flagged as significant health needs for Lake County. These measures are presented in the following table (data for comparison counties has been omitted).

Variable	Lake County	Ohio	U.S.	HP 2030 Target
Unintentional injury death rate per 100,000 population (2019)	61.2	56.1	36.7	43.2
Percentage of Medicare beneficiaries with Osteoporosis (2018)	8.18%	6.22%	6.57%	5.50%
Alcohol-related death rate per 100,000 population (2016-2019)	11.5	5.2	5.2	10.9
Rate of fast food facilities per 100,000 population (2019)	84.33	83.93	82.22	N/A
Fall death rate per 100,000 population (2016-2019)	16.1	10.4	9.4	N/A
Percentage of persons killed in crashes involving alcohol-impaired driving (BAC=0.08+) (2019)	46%	30%	28%	N/A
Percentage of persons killed in crashes involving alcohol (BAC=0.01+) (2019)	73%	36%	33%	N/A
Percentage of adults excessively using alcohol (2018)	20.79%	18.48%	19.12%	25.40%
Percentage of Medicare beneficiaries with alcohol abuse (2018)	2.36%	2.02%	2.08%	N/A
West Nile Virus incidence rate per 100,000 population (2018)	1.30	0.60	0.81	N/A
Breast cancer incidence rate per 100,000 population (2014-2018)	139.4	69.4	127.0	N/A
Colorectal cancer death rate per 100,000 population (2019)	16.1	13.7	12.8	N/A
Percentage of Medicare population with heart disease (2018)	28.5%	27.5%	26.8%	N/A
Heart disease death rate per 100,000 population (2015-2019)	112.9	103.2	92.6	N/A

Variable	Lake County	Ohio	U.S.	HP 2030 Target
Percentage of Medicare population with stroke history (2018)	4.00%	3.81%	3.77%	N/A
Percentage of Medicare population with hyperlipidemia (2018)	52.36%	49.42%	47.66%	N/A
Percentage of Medicare population with ischemic heart disease (2018)	28.49%	27.50%	26.81%	N/A
Percentage of Medicare population with arthritis (2018)	37.37%	36.06%	33.47%	38.7%

These significant health needs were then incorporated into a 103-item community survey, which was conducted online via Qualtrics® and marketed by LCGHD and partners through their websites, social media, and other communications, as well as distributed by University Hospitals to their patients in Lake County. The survey was offered in English and Spanish, and paper surveys were offered upon request. A total of 1,846 surveys were returned. Surveys were also distributed to community leaders including mayors and city managers.

In addition, LCGHD conducted five community focus groups with targeted populations including representatives from Black Lives Matter, the LGBTQ+ Community, NAACP, Painesville Elm Street Elementary, and senior citizens.

Data from these assessments were analyzed by Healthy Communities Institute (HCI) and findings were compiled into a preliminary report.

Prioritization of Significant Health Needs

To better target activities to address the most pressing health needs in the community, LCGHD and UH Lake Health Medical Centers convened a group of community members and leaders to participate in a presentation of data on significant health needs identified in the CHNA facilitated by HCI. Following the data presentation and facilitated discussion, participants were given access to an online link to complete a scoring exercise to assign a score to each significant health need based on a set of criteria.

The criteria for prioritization included:

1. Scope and Severity

- How many people in the community are or will be impacted?
- How does the identified need impact health and quality of life?
- Has the need changed over time?

2. Ability to Impact

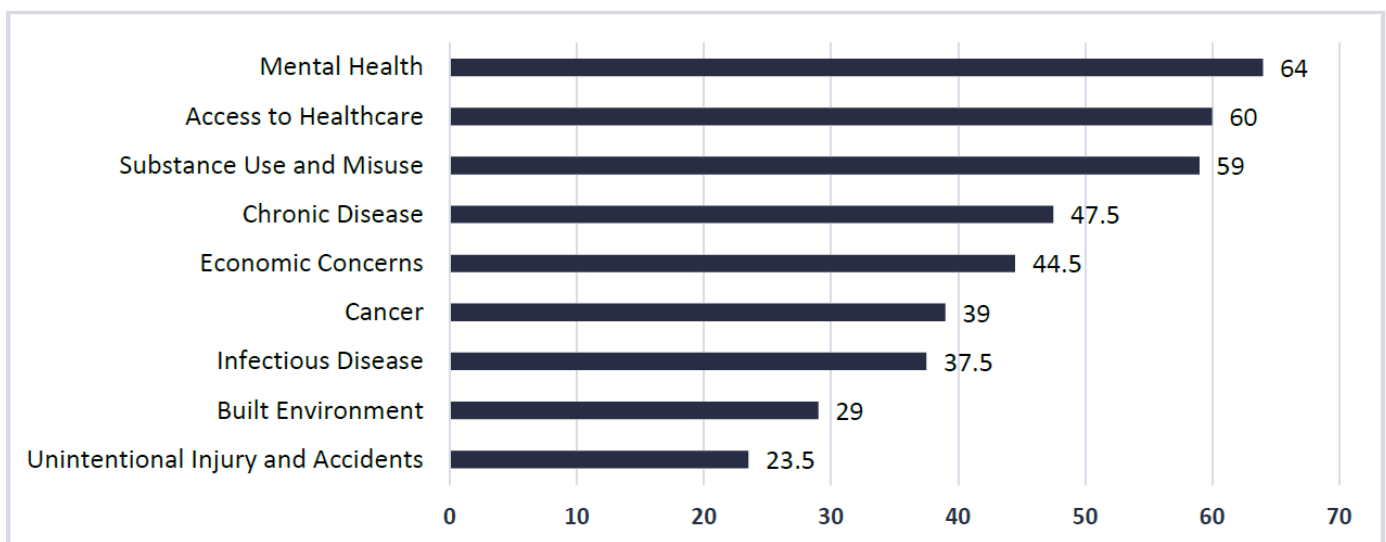
- Can actionable and measurable goals be defined to address the health need? Are those goals achievable in a reasonable time frame?

- Does the hospital or health system have the expertise or resources to address the identified health need?
- Can the need be addressed in collaboration with community partners? Are organizations already addressing the health issue?

Participants assigned a score of 1-3 to each health topic and criterion, with a higher score indicating a greater likelihood for that topic to be prioritized. For example, participants assigned a score of 1-3 to each topic based on whether the scope and severity was (1) least concerning, (2) somewhat concerning or (3) most concerning. Similarly, participants assigned a score of 1-3 to each topic based on (1) least ability to impact (2) some ability to impact or (3) most ability to impact. In addition to considering the data presented by HCI in the presentation and on the prioritization cheat sheet, participants were encouraged to use their own knowledge, judgement, and lived experience as well as considering how well a health topic met the criteria.

Completion of the exercise resulted in a numerical score for each health topic and criterion. Numerical scores for the two criteria were equally weighted and averaged to produce an aggregate score and overall ranking for each health topic.

OVERALL RESULTS OF PRIORITIZATION ACTIVITY



Following the prioritization session, members from the Lake County CHNA Committee reviewed and discussed the scoring results of the prioritized significant community needs and identified three overall priority areas to be considered for subsequent implementation planning. All three prioritized health needs are in alignment with prioritized health needs from the 2019 CHNA process for Lake County.



Access to
Healthcare



Behavioral
Health
(Mental
Health &
Substance Use
and Misuse



Chronic
Disease

Data supporting these prioritized health needs, along with the Forces of Change Assessment, the Community Themes and Strengths Assessment, and the Local Public Health System Assessment were analyzed by the committee and considered when identifying community health improvement strategies. Additionally, the committee chose to include several strategies related to the social determinants of health that are intended to improve key community conditions in Lake County that impact health equity.

University Hospitals' Commitment to Impact

University Hospitals Lake Health is committed to impacting Lake County's prioritized health needs through new partnerships, enhanced community engagement, and addressing the social determinants of health. University Hospitals Lake Health has selected implementation strategies in each prioritized health area, each with a robust variety of action items designed to improve the health of not only its patients, but the entire Lake County community. While strategies will be implemented county-wide, priority areas include Lake County zip codes 44057, 44092, 44095, as well as residents living in census tracts 4500, 4200, 4400, and 4302 in zip code 44077. Selected implementation strategies are outlined in further detail later in this plan under the appropriate priority factor or outcome, but are also categorized by prioritized health needs below.

Access to Care

By December 31, 2025, University Hospitals Lake Health will create and enhance existing programs for local students to understand and pursue careers in healthcare and address gaps to improve access to healthcare.

This will be accomplished by:

- Utilizing community health workers to improve access to primary care

- Collaborating with schools and colleges to increase awareness and opportunity of healthcare professions
- Partnering with Laketrans for transportation to employment

Chronic Disease

By December 31, 2025, University Hospitals Lake Health will increase prevention and early detection, and knowledge regarding chronic diseases and associated management strategies with a focus on priority population identified.

This will be accomplished by:

- Providing free health screenings and referrals at community events
- Hosting diabetes management classes and support groups, healthy cooking demonstrations, and walking events
- Providing food insecurity screenings and referrals at community events

Behavioral Health (Mental Health & Substance Use and Misuse)

By December 31, 2025, University Hospitals Lake Health will increase knowledge regarding substance abuse/misuse and associated management, as well as support strategies and improve mental health with a focus on priority populations identified.

This will be accomplished by:

- Hosting Drug Take Back Days and distributing Project DAWN kits
- Providing music therapy to support mental health
- Participating in depression and suicide awareness events
- Increasing referral capacity for mental health services

Forces of Change Assessment

Members of the committee participated in a Forces of Change Assessment on August 4, 2022. Forces of Change can be characterized as trends, events, and factors that impact the social, economic, political, technological, environmental, legal, and ethical characteristics of a community. Participants identified forces occurring or likely to occur in Lake County during the next three years, as well as community threats and opportunities.

Forces (Trends, Events, Factors)	Threats Posed	Opportunities Created
COVID-19	-Workforce shortage -Existing staff burnout	-Extra grant \$ dollars, has made difference in improving workforce shortage
	-Behavioral & mental health, addiction issues, re-admissions, larger numbers of patients -Increased violence against healthcare workers	-Creative collaboration
Workforce Shortage in Healthcare and Social Service	-Leaving the career -Boomers retirement -Mobile workforce, non-profits can't keep pace with salary -Loss of institutional knowledge -Time/cost of onboarding -Possible lower patient experience scores (different level of care- agency staffing) -Documentation demands (tasks take away from patient care)	-Alternative compensation options (transportation, childcare, etc).
Reproductive Rights Decisions (Supreme Court, Ohio)	-Limited reproductive health access -Full impact still unknown	-Choose/increase access long-term contraceptive options
Senior Population	-Growing in Lake Co. Most not in workforce -Lack of a geriatric assessment program in Lake Co. (burden on ER, delays care) -Council on Aging– short staffed, can't provide same services, safety risks for seniors -Shortage of LISWs for those with Medicare -Lack of affordable senior housing	-UH/LH wants to get program started in Lake Co. -Talk of expanding licenses Medicare will accept
Youth	-Cost of school lunch for those that don't qualify	-Increase mentoring programs -Pilot-projects for youth support groups -Food access programs

Forces (Trends, Events, Factors)	Threats Posed	Opportunities Created
	<ul style="list-style-type: none"> -Isolation, depression, social media, bullying, behavior changes -Some workforce issues -School Safety (shooting) -TikTok challenges, social media (can't be average anymore) 	
Insurance	<ul style="list-style-type: none"> -More with marketplace insurance, however, many services not covered by those plans -Staff time navigation 	<ul style="list-style-type: none"> -Connectivity between providers -Improved referral systems
Health Equity	<ul style="list-style-type: none"> -Some may be hesitant to work with certain populations -Lack of equity is a threat to access -Lack of understanding of what it means from public -Workforce who may not understand what it means and how to provide 	<ul style="list-style-type: none"> -Targeted funding around issues, new opportunities, new issues -Providers/insurance need to educate patients on all benefits/options available to them (this may improve equity)

Community Themes and Strengths Assessment

As part of the community resident survey, participants were asked to indicate how satisfied they were regarding various factors impacting the quality of life in Lake County. Responses were recorded on a scale from 1 to 5, with 1 indicating "Very Dissatisfied", and 5 indicating "Very Satisfied". In total, 1,823 Lake County residents completed the survey, and results are compared to both 2015 and 2019 below.

Quality of Life Survey Questions	2015 Likert Scale Average Response	2019 Likert Scale Average Responses	2022 Likert Scale Average Response	Overall Trend
1. Are you satisfied with the quality of life in our community?	3.84	3.85	3.89	
2. Are you satisfied with the health care system in the community?	3.68	3.44	3.51	
3. Is this community a good place to raise children?	3.86	3.89	3.90	
4. Is this community a good place to grow old?	3.65	3.45	3.67	
5. Is there economic opportunity in the community?	3.31	3.46	3.53	
6. Is the community a safe place to live?	3.69	3.77	3.82	
7. Are there networks of support for individuals and families during times of stress and need?	3.70	3.59	3.54	
8. Do all individuals and groups have the opportunity to contribute to and participate in the community's quality of life?	3.63	3.53	3.42	
9. Do all residents perceive that they — individually and collectively — can make the community a better place to live?	3.30	3.36	3.25	
10. Are community assets broad-based and multi-sectoral?	3.26	3.28	3.24	
11. Are levels of mutual trust and respect increasing among community partners as they participate in collaborative activities to achieve shared community	3.26	3.25	3.16	
12. Is there an active sense of civic responsibility and engagement, and of civic pride in shared accomplishments?	3.19	3.31	3.20	

"Diversity! I love that my kids are growing up with so many people of different races, religions, abilities, etc. I love that they understand that everyone is equal and no one person is better than anyone else."

"All the various recreational parks, waterfront, shopping options, dining options, and social services available in the county is wonderful. I am proud to live in Lake County. I think that the county does a very good job keeping the county looking clean and well maintained."

"Easy access to quality parks, golf courses, bike paths and water activities. Also, easy access to arts in the Cleveland Theater district, live music like Mentor Rocks. Convenient shopping. Also, quality health care choices including University Hospitals and Cleveland Clinic."

"I have been in Lake County for 16 years. I love how everything is nearby and convenient."

Residents also indicated some of the things they did not like about living in Lake County:

"When our children were young, we had a good school system, with neighborhood schools. Not now. We also knew a lot of our neighbors: not now. People move in, don't return your waves or care to introduce themselves when we make the first move. We have one neighbor we know by name to whom we can go for help, or just visit."

"I like the semi-rural setting but seems to me most of the people that I see at the stores are rude and not friendly. We have lived in our home since 1991, and since then we only know and talk to the neighbors next to us, we really don't know or talk to any other neighbors many of the original ones have moved on. Seems like there are people constantly coming and going."

"I came to Lake County due to employment and have personally enjoyed living in Fairport Harbor, but economic opportunities are limited."

"I did like having a small fitness center like Mentor Heisley, but that will soon become a large facility. I will miss the easy access, lack of crowds, familiar faces, security and opportunity to stay fit and healthy."

"I worry about many people in the community that do not have it as good as we do and am concerned with some weaknesses in the school system, especially in the areas of science and English. If parents are not able to supplement their children's education then it is extremely lacking in those areas. I also feel like our community is lacking in performing arts facilities. Our school had to rent Perry's stage for some performances. It would be helpful if the community pulled funds and donations from businesses together and were able to build a theater for school theater, choir & band, rabbit run, YMCA dance, etc. performances."

Local Public Health System Assessment

Over 100 members of Lake County's extended public health system were invited to provide feedback as part of the Local Public Health System Assessment (LPHSA), which establishes the foundation upon which the local system may set priorities for performance improvement and identify specific quality improvement projects to support its priorities. Based upon the responses provided, an average was calculated for each of the ten essential services. Each corresponding essential service score can be interpreted as the overall degree to which the public health system meets the performance standards for each essential service.

Using the assessment responses, a scoring process generates a score for each model standard and essential service, and one overall assessment score. The following scoring rubric was applied:

Optimal Activity (76-100%)

Significant Activity (51-75%)

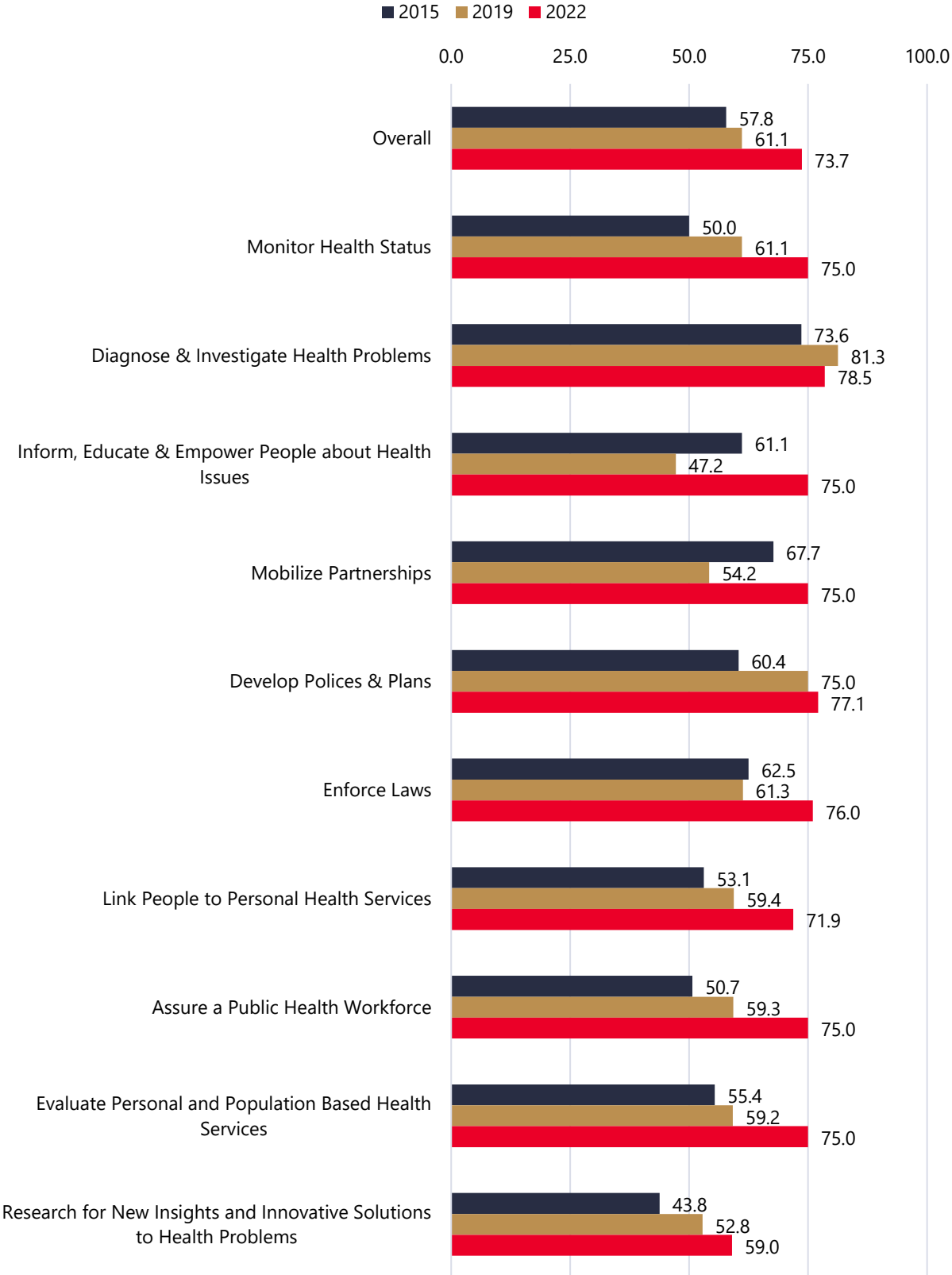
Moderate Activity (26-50%)

Minimal Activity (1-25%)

No Activity (0%)

Results for the 2022 LPSHA was compared with assessments previously conducted in 2019 and 2015, with scoring indicating an increase in overall system activity. Essential public health service scores pertaining to diagnosis and investigation (78.5%), as well as the development of policies and plans (77.1%), represented the highest Lake County scores, and seven of the ten ten scoring areas rated over 70% each. Research and innovation continues to identify as an area for improvement. Overall increases in scoring could be a result of the recent COVID-19 pandemic, which forced the local public system to perform many essential services to an extent not seen in recent times.

Lake County LPHSA Results 2015-2022



Plan Alignment to National and State Standards

Healthy People 2030

Healthy People is an initiative established in 1990 that provides science-based ten-year national objectives for improving the health of Americans. Healthy People has established benchmarks and tracked progress over time, in order to encourage collaborations across community sectors, empower individuals toward making informed health decisions, and measure the impact of prevention strategies. Several Healthy People 2030 objectives aligned are with the 2023-2025 Lake County Community Health Improvement Plan.

Lake County CHIP Priority Factors & Outcomes	2023-2035 CHIP Alignment with Healthy People 2030 Objectives
Community Conditions	<ul style="list-style-type: none"> • EMC-D01: Increase the proportion of children are developmentally ready for school • NWS-01 Reduce household food insecurity and hunger • NWS-02: Eliminate very low food security in children
Access to Healthcare	<ul style="list-style-type: none"> • AHS-01: Increase the proportion of people with health insurance
Mental Health & Substance Use and Misuse	<ul style="list-style-type: none"> • SU-10: Reduce the proportion of people aged 21 years and over who engaged in binge drinking over the past month. • SU-11: Reduce the proportion of motor vehicle crash deaths that involve a drunk driver. • SU-03: Reduce drug overdose deaths. • MHMD-01: Reduce the suicide rate.
Chronic Disease	<ul style="list-style-type: none"> • TU-01: Reduce current tobacco use in adults. • D-01: Reduce the number of diabetes cases diagnosed yearly • HDS-01: Improve cardiovascular health in adults • HDS-04: Reduce the proportion of adults with hypertension • NWS-03: Reduce the proportion of adults with obesity • HDS-02: Coronary heart disease deaths

Ohio State Health Improvement Plan (SHIP)

The 2020-2022 Ohio State Health Improvement Plan, based on the 2019 Ohio State Health Assessment, provides state and local stakeholders, including local health departments, hospitals, and other community partners who participate in health improvement planning with a strategic menu of priorities, objectives, and evidence-based strategies designed as a comprehensive framework to improve both health and economic vitality. The plan outlines the strategic outcomes that the state will monitor annually, including improved health status, and reduction in the premature death rate.

The Ohio State Health Improvement Plan identifies three priority factors, which shape the health and well-being of Ohio residents, as well as priority outcomes, which are tracked to measure health improvement.

Equity Health equity is achieved when all people in a community have access to affordable, inclusive and quality infrastructure and services that, despite historical and contemporary injustices, allows them to reach their full health potential.

Priorities The SHIP identifies three priority factors and three priority health outcomes that affect the overall health and well-being of children, families and adults of all ages.

What shapes our health and well-being?

Many factors, including these 3 SHIP priority factors*:

- Community conditions**
 - Housing affordability and quality
 - Poverty
 - K-12 student success
 - Adverse childhood experiences
- Health behaviors**
 - Tobacco/nicotine use
 - Nutrition
 - Physical activity
- Access to care**
 - Health insurance coverage
 - Local access to healthcare providers
 - Unmet need for mental health care

How will we know if health is improving in Ohio?

The SHIP is designed to track and improve these 3 SHIP priority health outcomes:

- Mental health and addiction**
 - Depression
 - Suicide
 - Youth drug use
 - Drug overdose deaths
- Chronic disease**
 - Heart disease
 - Diabetes
 - Childhood conditions (asthma, lead)
- Maternal and infant health**
 - Preterm births
 - Infant mortality
 - Maternal morbidity

All Ohioans achieve their full health potential

- Improved health status
- Reduced premature death

Vision
Ohio is a model of health, well-being and economic vitality

Strategies The SHIP provides state and local partners with a menu of effective policies and programs to improve Ohio's performance on these priorities.

* These factors are sometimes referred to as the social determinants of health or the social drivers of health

The 2023-2025 Lake County Community Health Improvement Plan closely aligns with the 2020-2022 Ohio State Health Improvement Plan, the most recent SHIP available at the time of publication.

Lake County CHIP Priority Factors & Outcomes	2023-2035 CHIP Alignment with 2020-2022 SHIP
Community Conditions	<ul style="list-style-type: none"> • CC5: Kindergarten Readiness
Access to Healthcare	<ul style="list-style-type: none"> • AC1: Uninsured adults • AC2: Uninsured children
Mental Health & Substance Use and Misuse	<ul style="list-style-type: none"> • MHA7: Unintentional drug overdose death rate • MHA4: Adult suicide death
Chronic Disease	<ul style="list-style-type: none"> • HB1: Adult smoking • CD3: Hypertension • CD4: Diabetes • CD1: Coronary heart disease

Social Determinants of Health and Health Inequity

Social determinants of health refers to economic, social, and environmental factors that may impact an individual’s health, including but not limited to economic stability, education access and quality, health care access and quality, neighborhood and building environment, and social and community context. When these factors result in poor health, health disparities are inherently created. Disparities that disproportionately affect certain population groups, referred to as health inequities, represent an unfair allocation of resources and opportunities, further perpetuating negative economic, social, and environmental factors. Health inequity is complex, and increases in complexity when multiple social determinants of health negatively effecting an individual’s health are met with limited resources and opportunities.

Social Determinants of Health



Retrieved 12-22-22 from <https://health.gov/healthypeople/objectives-and-data/social-determinants-health>

Given this link, in addition to the significant health needs identified through the prioritization process, this CHIP also includes several strategies designed in impact community conditions, identified below. Some strategies will require policy and/or environmental change, in order to positively impact the social determinants of health and reduce the prevalence of health inequities. Specific populations experiencing health inequities are identified as priority populations in each strategy’s work plan, and in many cases, Lake County zip codes and census tracts ranking higher on Conduent Healthy Communities Institute’s 2021 Healthy Equity Index are identified.

CHIP Strategies Impacting Social Determinants	Policy Change (Programmatic or Organizational)	Environmental Change
Storybook Trails	✓	✓
Lifeline’s Imagination Library		
Supplemental Nutrition Program of Women, Infants, and Children (WIC)		
Lake County Mobile Food Pantry		
WIC Farmer’s Market Nutrition Program		
Healthy Food Access in Food Pantries	✓	✓
Access to Tobacco Cessation Services	✓	
Tobacco Retail Licensing	✓	✓

Priority Factors that Influence Health

Community Conditions

People with higher levels of education are more likely to be healthier and live longer. Food insecurity is linked to negative health outcomes in both children and adults, and it may cause children to have trouble in school. Over the next three years, Lake County will work to improve Kindergarten Readiness Assessment scores and food insecurity rates that have been exacerbated as a result of the COVID-19 pandemic.

Indicators & Strategies

Indicator	Data Source	Baseline	Population at highest risk	Short term target (2025)	Intermediate target (2028)	Long term target (2031)
Kindergarten Readiness	Ohio Kindergarten Readiness Assessment	42.6% (2022)	Economically disadvantaged; Students with a disability; English learners	50%	60%	70%
Limited access to healthy foods	County Health Rankings	8% (2019)	Black (non-Hispanic); Persons with disabilities; Low income households	7%	6%	5%
Child food insecurity rate	Healthy Northeast Ohio	13.4% (2019)	Children with unemployed parents	8.7%	4.1%	0%
Overall Food Insecurity Rate	Healthy Northeast Ohio	11.1% (2018)	Black (non-Hispanic); Persons with disabilities; Low income households	9.4%	7.7%	6%

Strategy 1: Storybook Trails					
Objective: By December 31, 2025, establish three Storybook Trails in Lake County municipal, regional, or state parks					
Aligned to Ohio 2020-2022 SHIP: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lifeline	Lake County children ages 0-5 years of age. Priority zip codes 44077, 44092, Spanish-speakers	# of trails established	<p>Identify funding source (ODNR, local, etc.).</p> <p>Engage libraries and community members in target areas.</p> <p>Work with local, state, regional park systems in target area.</p> <p>Establish and promote trail.</p>	<p>Identify funding source (ODNR, local, etc.).</p> <p>Engage libraries and community members in target areas.</p> <p>Work with local, state, regional park systems in target area.</p> <p>Establish and promote trail.</p>	<p>Identify funding source (ODNR, local, etc.).</p> <p>Engage libraries and community members in target areas.</p> <p>Work with local, state, regional park systems in target area.</p> <p>Establish and promote trail.</p>
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Resources to Address Strategy: Lake County General Health District, Ohio Department of Natural Resources, parks and recreation departments in municipalities, libraries in municipalities, Lake Metroparks, school districts in target areas					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 2: Lifeline's Lake County Imagination Library					
Objective: By December 31, 2025, increase the number of children enrolled in the Lifeline's Imagination Library to 50% of eligible children, as reported by Ohio's Imagination Library.					
Aligned to Ohio 2020-2022 SHIP: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lifeline	Lake County children ages 0-5 years of age. Priority zip codes 44077, 44092	% of eligible Lake County children participating # of children in priority zip codes participating # of outreach events/presentations conducted each year % of annual program fundraising goal achieved	Collect program participation by zip code. Set fundraising goal to sustain program. Establish fundraising activities. Engage with providers in priority zips, provide program and referral information. Evaluate Year 1 activities.	Collect program participation by zip code. Revise priority zip codes if necessary. Set fundraising goal to sustain program. Establish fundraising activities. Engage with providers in priority zips, provide program and referral information. Evaluate Year 2 activities.	Collect program participation by zip code. Revise priority zip codes if necessary. Set fundraising goal to sustain program. Establish fundraising activities.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: Early Head Start, Head Start, Lake-Geauga WIC, Wickliffe Family Resource Center, local pediatricians and healthcare providers, Lake County General Health District					
Addresses additional Priority Area: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

Strategy 3: Supplemental Nutrition Program of Women, Infants, and Children (WIC)					
Objective: By December 31, 2025, increase WIC caseload by 10% in all Lake County clinic locations.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lake-Geauga WIC	Pregnant women and breastfeeding women, children ages 0-5 years meeting WIC income eligibility guidelines and having a nutritional risk.	# of WIC participants	Promote WIC services through social media, health fairs/events, mailings, coalitions. Utilize referral systems through Unite Us, Coeffective, and JFS in Lake Counties.	Promote WIC services through social media, health fairs/events, mailings, coalitions. Utilize referral systems through Unite Us, Coeffective, and JFS in Lake Counties.	Promote WIC services through social media, health fairs/events, mailings, coalitions. Utilize referral systems through Unite Us, Coeffective, and JFS in Lake Counties.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: ODH-provided social media content, Unite Us, Coeffective, Job & Family Services, Crossroads Health, University Hospitals & Cleveland Clinic Pediatricians and Family Practice Physicians, Wickliffe Family Resource Center, Signature Health, Birthright of Lake County, Painesville Family Resource Center, Early Head Start, Head Start, Help Me Grow, Mother Rising, Hope Chest					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 4: Lake County Mobile Food Pantry					
Objective: By December 31, 2025, insure that 95% of all available appointments for Lake County's Mobile Food Pantry are full.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lifeline	Lake County residents ages 60+, income <\$25,759 for 1; <\$34,839 for 2. Attention to census tracts 2021, 2025, 2040, 2042, 2044,2043, 2045 (scores over 60.0 on 2021 Food Insecurity Index)	% of appointments filled per location	<p>Confirm local food pantry dates and locations in 2023.</p> <p>Identify advertising opportunities in priority census tracts.</p> <p>Conduct distribution events.</p> <p>Confirm funding for calendar year 2024.</p>	<p>Evaluate priority census tract data.</p> <p>Confirm local food pantry dates and locations for 2024.</p> <p>Identify advertising opportunities in priority census tracts.</p> <p>Conduct distribution events.</p> <p>Confirm funding for calendar year 2025.</p>	<p>Evaluate priority census tract data.</p> <p>Confirm local food pantry dates and locations for 2025.</p> <p>Identify advertising opportunities in priority census tracts.</p> <p>Conduct distribution events.</p>
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/> Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Resources to Address Strategy: Laketran, Lake County Commissioners Senior Services, Lake County Council on Aging, Greater Cleveland Food Bank, Lake Erie Church, New Hope Baptist Church, Wickliffe Senior Center Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Access to Care

Access to high-quality health care helps prevent disease and improve quality of life. However, some people do not receive the health services they need due to insufficient health insurance, inability to access a local provider, or transportation and language barriers. Lake County will work to increase the number of individuals covered by insurance, improve linkage between healthcare providers and community resources, promote careers in healthcare, and work together to identify and address the most persistent barriers that create disparities in access to care.

Indicators & Strategies

Indicator	Data Source	Baseline (Year(s))	Population at highest risk	Short term target (2025)	Intermediate target (2028)	Long term target (2031)
Uninsured (% population under 65 without health insurance)	County Health Rankings	7% (2019)	Hispanic or Latino; Black (includes Hispanic and non-Hispanic); Income below 138% of the federal poverty level; Male	6%	5%	4%
Uninsured children (% under 19 without health insurance)	County Health Rankings	5% (2019)	Hispanic or Latino (any race); Income below 200% FPL	3.7%	2.4%	<1%

<p>Strategy 1: Improve access to healthcare through creation of workforce pipeline and development opportunities to pursue careers in healthcare. Improve inclusive healthcare access for community members, especially those impacted by high cost due to being uninsured or underinsured with a high deductible to improve referrals to primary care.</p>			
<p>Objective: By December 31, 2025, create and enhance existing programs for local students to understand and pursue careers in healthcare and address gaps to improve access to healthcare</p>			
<p>Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>		<p>Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	
Lead Agency	Priority Population	Measure of Success	Year 1, 2, and 3 Activities
University Hospitals Lake Health	Residents located in zip codes 44077 (census tracts 4500, 4200, 4400, 4302), 44092, 44095, and 44057	<p>50 primary care referrals received</p> <p>15 career fair/day opportunities attended</p> <p>15 of college internships provided</p> <p>5 of new business partnerships created</p> <p>15 employees using Laketran</p>	<p>Utilize community health workers and community partners to improve access and referrals to primary physicians.</p> <p>Partner with local schools at career fairs, participate in career days, to increase knowledge of opportunities within healthcare.</p> <p>Partner with local colleges as well as college internship and career fair participation.</p> <p>Provide career shadowing experiences.</p> <p>Partner with local business and community partners to create STEM opportunities for early academic engagement.</p> <p>Partner with Laketran to provide transportation to jobs at UH Lake West.</p> <p>Address desire raised in qualitative community survey by providing referrals in the community that are inclusive and relatable.</p>
<p>Type of Strategy: Healthcare System and Access <input checked="" type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/></p>			
<p>Policy Change Necessary for Strategy Success: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>			
<p>Resources to Address Strategy: UH Lake Health, UH Lake community outreach, Laketran, Lake County high schools, Educational Service Center of the Western Reserve, Lake Erie College, Lakeland Community College, local chambers of commerce</p>			
<p>Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>			

Strategy 2: Establish a Lake County Healthcare Access Subcommittee					
Objectives: By March 31, 2023, convene the first meeting Lake County Access to Healthcare subcommittee. By December 31, 2023 review available supplemental data and identify strategic objectives to complete in 2024 and 2025.					
Aligned to Ohio 2020-2022 SHIP: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Populations	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
LCGHD	Spanish-speaking & LGBTQ+ populations	# of subcommittee members # of strategies identified # of strategies documenting progress	Convene committee of interested organizations. Collect additional data. Analyze new data. Identify strategies for implementation. Create work plans.	Track strategy progress and share results.	Track strategy progress and share results.
Type of Strategy: Healthcare System and Access <input checked="" type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: University Hospitals, Cleveland Clinic, Signature Health, Lake County Free Medical Clinic, Crossroads Health, Lake ADAMHS					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 3: Use the Unite Us platform to connect Lake County residents to healthcare providers and community resources and services.					
Objective: By December 31, 2025, increase the number of Lake County organizations enrolled in the Unite Us Platform by 100%.					
Aligned to Ohio 2020-2022 SHIP: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
LCGHD	Organizations serving census tracts 2045, 2042, 2044, 2021, 2066, 2062,2060,2020 (tracts with an index value of >50.0 on Conduent Healthy Communities Institute's 2021 Health Equity Index)	# of Lake County providers using Unite Us # of patient/client referrals in platform	Health education & resource development. Reach out to 20 providers annually introduce/recruit. Acquire, develop, and standardize bi-annual analytic report to share with partners.	Health education & resource development. Reach out to 20 providers annually introduce/recruit. Produce reports and share with partners- gap reduction and barriers with access to care.	Health education & resource development. Reach out to 20 providers annually introduce/recruit. Produce reports and share with partners- gap reduction and barriers with access to care.
Type of Strategy: Healthcare System and Access <input checked="" type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Possible Resources to Address Strategy: Health District, Unite Us, Family Resource Centers (Wickliffe & Painesville) Lake County food pantries, faith-based organizations, unaffiliated/independent healthcare providers, veteran service organizations					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Priority Outcomes that Influence Health

Mental Health & Substance Use and Misuse

Binge drinking can lead to motor vehicle crashes, violence, and death, and Lake County continues to have one of the highest drug overdose death rates in Ohio. Over the next three years, Lake County will work together to reduce alcohol use, expand treatment for Opioid Use Disorder, and improve mental health outcomes through expanded screening and mentoring programs.

Indicators & Strategies

Indicator	Data Source	Baseline (Year(s))	Population at highest risk	Short term target (2025)	Intermediate target (2028)	Long term target (2031)
Percent of adults who binge drink	HNEO/CDCP	16.4% (2019)	White, non-Hispanic; Adults (ages 18-34); Male	16.1%	15.9%	15.6%
Percent of driving deaths involving impaired drivers	County Health Profiles	58.0% (2016-2020)	Adults (ages 25-44)	48.2%	38.4%	28.3%
Drug Overdose Death Rate	CHR/HNEO	36* (2018-2020)	Adults (ages 25-54); Male	29.9	24.8	20.7
Suicide Death Rate	HNEO/CDC	15* (2018-2020)	White, non-Hispanic; Male; Adults, ages 35-44; Adults, ages 55-64	14.3	13.6	12.8
Percent of adults ever diagnosed with depression	HNEO	20.60%	Anyone	19.70%	18.90%	18.00%

*death rate per 100,000 population

Strategy 1: University Hospitals Lake Health and public health partners address opioids/substance use/misuse and mental health.			
Objective: By December 31, 2025, increase knowledge regarding substance abuse/misuse and associated management, as well as support strategies and improve mental health with a focus on priority populations identified.			
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Lead Agency	Priority Population	Measure of Success	Year 1, 2, and 3 Activities
University Hospitals Lake Health, with partnership from other community organizations	Residents located in zip codes 44077 (census tracts 4500, 4200, 4400, 4302), 44092, 44095, and 44057	50 Project Dawn kits distributed 100 Pounds of unused drugs collected. 6 of music-therapy guided support groups held and 20 participants 24 community and school education events attended 24 community events for mental health services	Participation in biannual National Drug Take Back Days with University Hospitals Lake Health pharmacists providing education and Project Dawn kits. Music therapist guided support groups aimed at mental health supports. Depression and suicide awareness events in schools and with community partners. Smoking, drug use/misuse, and alcohol-use education included at community events and with schools. Provide community referrals to accessible mental health services at local clinic & offices, with virtual, affordable access.
Type of Strategy: Healthcare System and Access <input checked="" type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>			
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Resources to Address Strategy: UH Lake Health pharmacists, community outreach, and music therapy, Lake County behavioral health service providers, Lake County schools			
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			

Strategy 2: Initiate a county-wide alcohol use and prevention campaign					
Objective: By December 31, 2025 establish a county-wide alcohol use and prevention campaign using local service providers.					
Aligned to Ohio 2020-2022 SHIP: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Likely to Reduce Disparities: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lake ADAMHS Board	Males and females ages 18+, county-wide, 44095, 44060, 44077, 44081	# of providers utilized # clients served # of presentations # of social media posts/engagements # of materials distributed	Use data to identify trends in ETOH use. Include content Board presentations. Create social media messaging. Develop and distribute materials.	Evaluate new data and trends. Review and revise presentation content, social media messaging, and materials if necessary.	Evaluate new data and trends. Review and revise presentation content, social media messaging, and materials if necessary.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: Lake ADAMHS Board, Bridges, Catholic Charities, Cleveland Rape Crisis Center, Extended Housing, Family Pride, Lifeline Lake-Geauga Recovery Centers, UH Lake Health, Windsor Laurelwood Signature Health, NAMI Lake County, Womensafe, Crossroads Health, Torchlight Youth Mentoring Alliance					
Addresses additional Priority Area: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

Strategy 3: Expansion of treatment and access for Opioid Use Disorder					
Objective: By December 31, 2025, increase the number of individuals receiving treatment for Opioid Use Disorder.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lake ADAMHS Board	Adults with Opioid Use Disorder	# patients receiving Medication-Assisted Treatment (MAT) # of providers offering MAT # patients receiving withdrawal medications	Provide residential treatment through LGRC. Provide recovery housing at LGRC. Provide prevention screen at in Lake Co. Courts. Provide Jail Treatment Program and Opioid Use screenings in Lake Co. Jail.	Evaluate Year 1 activities. Review and revise as necessary.	Evaluate Year 2 activities. Review and revise as necessary.
Type of Strategy: Healthcare System and Access <input checked="" type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: Lake ADAMHS Board, Lake Geauga Recovery Centers, Signature Health, Crossroads Health, Lake County Courts, Lake County Jail					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 4: Assessing and Managing Suicide Risk (AMSR) Screenings					
Objective: By December 31, 2025, increase the number of local clinicians trained in Assessing and Managing Suicide Risk (AMSR) and expand ongoing suicide awareness and prevention activities.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lake ADAMHS Board	LGBTQ+ youth and adults, Lake County First Responders	# of clinicians trained # of screenings conducted # organizations receiving training/materials	Contact local providers and provide AMSR trainings for clinicians. Promote Crisis Text Line, Crisis Hotline, and Compass Line via social media. Expand relationships with faith-based community. Partner organizations who serve individuals at increased risk for suicide.	Evaluate Year 1 activities. Review and revise as necessary.	Evaluate Year 2 activities. Review and revise as necessary.
Type of Strategy: Healthcare System and Access <input checked="" type="checkbox"/> Public Health System, Prevention and Behaviors <input type="checkbox"/> Social Determinants of Health/Community Conditions <input type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: Lake ADAMHS Board, Bridges, Catholic Charities, Cleveland Rape Crisis Center, Extended Housing, Family Pride, Lifeline Lake-Geauga Recovery Centers, UH Lake Health, Windsor Laurelwood Signature Health, NAMI Lake County, WomenSafe, Crossroads Health, Torchlight Youth Mentoring Alliance, SART, Proposed Coalition to End Human Trafficking, Domestic Violence Task Force, Faith-Based Organizations					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 5: Strength of Suicide & Signs of Suicide and Sources of Strength trainings					
Objective: By December 31, 2025 increase the number of Lake County schools' staff receiving suicide trainings in school settings.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lake ADAMHS Board	Middle and HS School students ages 10+	# of trainings implemented # of schools participating # of staff trained	Contact school personnel, schedule and conduct presentations.	Evaluate Year 1 activities. Review presentation and training content. Revise if necessary. Contact school personnel and conduct presentations.	Evaluate Year 2 activities. Review presentation and training content. Revise if necessary. Contact school personnel and conduct presentations.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: Lake ADAMHS Board, Crossroads Health, Signature Health, NAMI, WomenSafe, Educational Service Center of the Western Reserve, 9 public school districts, private schools					
Addresses additional Priority Area: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

Strategy 6: School/Site-based Mentoring					
Objective: By December 31, 2025, increase the number of students participating in group mentoring by 20% in Lake County site locations.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Torchlight Youth Mentoring Alliance	Lake County Elementary, Middle and High School Students located in 44092, 44077, 44094, 44081	# site locations # of elementary, middle and high schools mentees # of high school mentors	Confirm school/site locations. Solicit participation from mentees and mentors. Explore new partnerships for mentors. Ongoing evaluation of site locations.	Confirm school/site locations. Solicit participation from mentees and mentors. Explore new partnerships for mentors. Ongoing evaluation of site locations.	Confirm school/site locations. Solicit participation from mentees and mentors. Explore new partnerships for mentors. Ongoing evaluation of site locations.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: Wickliffe Schools, Harvey High School, Jefferson Elementary School, Perry Elementary School					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 7: Youth-Facilitated Healthy Relationship Pilot Project					
Objective: By December 31, 2025, establish a youth-facilitated, school-based pilot project designed to promote healthy boundaries and healthy relationships. The program seeks to raise awareness of abusive behaviors, reduce or eliminate abusive behaviors and societal tolerance of them, improve mental wellness, and support healthy choices.					
Aligned to Ohio 2020-2022 SHIP: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Likely to Reduce Disparities: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Forbes House	Lake County Middle and High School Students	# of students trained as facilitators # of students participating in groups/guided sessions	Identify evidence-based program content. Train youth facilitators. Conduct sessions. Evaluate results. Modify content program content as necessary.	Repeat Year 1 activities if program successful, and funding established.	Repeat Year 2 activities if program successful, and funding established.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: Lake County Middle and High Schools					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Chronic Disease

People who eat too many unhealthy foods — like foods high in saturated fat and added sugars — are at increased risk for obesity, heart disease, type 2 diabetes, and other health problems. Despite years of education efforts, tobacco use in Lake County remains high, and continues to be linked to a myriad of long-term chronic health conditions. Lake County will focus on policies and interventions that help people choose healthy foods, decrease the availability of tobacco products, and expand accessibility to tobacco cessation services.

Indicators & Strategies

Indicator	Data Source	Baseline (Year(s))	Population at highest risk	Short term target (2025)	Intermediate target (2028)	Long term target (2031)
Limited access to healthy foods	County Health Rankings	8% (2019)	Black (non-Hispanic); Persons with disabilities; Low income households	7%	6%	5%
Adult smoking rate	County Health Profiles	21% (2019)	Black, non-Hispanic; Hispanic; Adults, ages 25-54; Low-income (less than \$15,000 annual household income); People with a disability; Sexual and gender minorities; Women who are pregnant	19.4%	17.8%	16.2%
High blood pressure prevalence	Healthy NEO	34.1% (2019)	Black (non-Hispanic); risk increases with age	33.3%	32.5%	27.7%
Adults with diabetes	Healthy NEO/CHR	8.6% (2019)	Black (non-Hispanic); Adults, (ages 55+); Low-income (less than \$15,000 annual household	8.45%	8.3%	8.1%

Indicator	Data Source	Baseline (Year(s))	Population at highest risk	Short term target (2025)	Intermediate target (2028)	Long term target (2031)
			income); People with a disability			
Diabetes Death Rate	HNEO	18.5* (2018-2020)	Black (non-Hispanic); Adults, ages 55+; Low-income (less than \$15,000 annual household income); People with a disability	18.1	17.7	17.3
Adults who experienced coronary artery disease	Healthy NEO	7.7% (2018)	Adults (ages 55+); Low-income (less than \$15,000 annual household income); People with a disability; Male	6.5%	5.3%	4.2%
Coronary Heart Disease Death Rate	HNEO	127.8* (2018-2020)	Adults (ages 55+); Low-income (less than \$15,000 annual household income); People with a disability; Male	108.9	90.0	71.1
Adults 20+ who are obese	Healthy NEO	30% (2019)	Black (Non-Hispanic); Hispanic; Adults (ages 40-59)	29.32%	28.64%	27.97%

*age-adjusted death rate per 100,000 population

Strategy 1: Community engagement to provide screening, education, and support groups to prevent and/or manage chronic diseases.			
Objective: By December 31, 2025, increase prevention and early detection, and knowledge regarding chronic diseases and associated management strategies with a focus on priority population identified.			
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Lead Agency	Priority Population	Measure of Success	Year 1, 2, and 3 Activities
University Hospitals Lake Health	Residents located in zip codes 44077 (census tracts 4500, 4200, 4400, 4302), 44092, 44095, and 44057	<p>36 health screenings conducted in the community</p> <p>60 community events attended</p> <p>12 diabetes management support activities held</p> <p>50 people participating in diabetes management & support groups</p> <p>5 new partnership opportunities established</p> <p>20 food insecurity events activities conducted.</p>	<p>Provide screening and/or educational events by promoting free events within the county, at health fairs, hospital screening events, corporations, senior centers, recreation centers, and libraries.</p> <p>Diabetes management and support groups (goal 40 participants annually), healthy cooking demonstrations, walking groups/events, wellness support groups, women's and men's health events.</p> <p>Partner with key community groups including Leadership Lake County, United Way, Black Lives Matter, NAACP, LGBTQ+ Community, and Senior Focused Organizations such as Lake County Council on Aging and Lake County Commissioners to meet needs identified in CHNA Community Survey.</p> <p>Target at least 1,000 people via corporations, schools, churches, senior centers, community health fairs, recreation centers, and libraries.</p> <p>Address food insecurity at community outreach events, farmers markets, free produce distribution in prioritized areas, utilizing community health workers and community partners.</p>
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>			
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Resources to Address Strategy: Lake County General Health District, UH Lake Health Community Outreach Staff and supplies, UH Lake Health Foundation, United Way Lake County, Leadership Lake County, United Way, Black Lives Matter, NAACP, LGBTQ+ Community, Senior Focused Organizations such as Lake County Council on Aging, and Lake County Commissioners			
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			

Strategy 2: WIC Farmer's Market Nutrition Program					
Objective: By December 31, 2025, increase WIC Farmer's Market Nutrition Program (FMNP) redemption rate to 50% per Lake County clinic location.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
Lake-Geauga WIC	Existing WIC families eligible to participate in the FMNP program.	% of Lake County WIC participants who qualify for the FMNP % of Lake County WIC participants who redeem the FMNP coupons	Distribute coupons to qualifying families. Identify new/additional ways to promote FMNP. Call WIC participants who have received FM coupons to redeem them by October 31. Evaluate promotion strategies and redemption results. Plan for Year 2.	Distribute coupons to qualifying families. Identify new/additional ways to promote FMNP. Call WIC participants who have received FM coupons to redeem them by October 31. Evaluate promotion strategies and redemption results. Plan for Year 3.	Distribute coupons to qualifying families. Identify new/additional ways to promote FMNP. Call WIC participants who have received FM coupons to redeem them by October 31. Evaluate promotion strategies and redemption results.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Resources to Address Strategy: ODH-provided social media content, ODH WIC Farmer's Market Coordinators, Willoughby Market, Painesville Farmers Market, Eastlake Farmer's Market					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 3: Healthy Food Access in Food Pantries					
Objective: By December 31, 2025, assist five Lake County food pantries with developing nutrition policies and plans.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
LCGHD	Pantries located in zip codes 44077 (census tracts 4500, 4200, 4400, 4302), 44092, 44095, and 44057	# of Policies Implemented # of clients served per food pantry	Identify food pantries in zip codes scoring higher on food insecurity index, engage stakeholders, assess existing policies, provide tools, and resources to enable successful policy implementation.	Continue Year 1 activities with additional food pantries.	Continue Year 1-2 activities with additional food pantries.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Resources to Address Strategy: Greater Cleveland Food Bank, Food Bank/Pantries in Target Areas, United Way of Lake County, University Hospitals, Faith-based Organizations					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 4: Access to Tobacco Cessation Services					
Objective: By December 31, 2025, increase the number of referrals by 10% for tobacco cessation programs either through providers, the Ohio Tobacco Quitline or My Life My Quit.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
LCGHD	Individuals with behavioral health issues, Individuals with low Socioeconomic status, and LGBTQ+ individuals in zip codes all throughout Lake County	# of referral partners/programs #of referrals	Identify tobacco cessation programs and providers in Lake County, engage providers, assess existing referral process, provide tools, and resources to enable an increase in referrals. Evaluate results.	Continue Year 1 activities with additional providers and cessation programs.	Continue Year 1-2 activities with additional providers and cessation programs.
Type of Strategy: Healthcare System and Access <input checked="" type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Resources to Address Strategy: Ohio Tobacco Quitline, My Life My Quit, Lake Geauga Recovery Center, University Hospital and Cleveland Clinic, NAMI Lake County, Crossroads Health, University Hospital/Lake Health, SADD, Lake County Volunteer Network, Windsor Laurelwood, Signature Health					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Strategy 5: Tobacco Retail Licensing					
Objective: By December 31, 2025, pass and implement a tobacco retail license ordinance in one municipality in Lake County.					
Aligned to Ohio 2020-2022 SHIP: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Likely to Reduce Disparities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Lead Agency	Priority Population	Measure of Success	Year 1 Activities	Year 2 Activities	Year 3 Activities
LCGHD	Tobacco users ages 11-18 located in zip codes throughout Lake County	# of Policies Implemented	Identify largest city in Lake County that has the highest population of residents, identify stakeholders, existing policies in other Ohio cities, provide tools, and resources to enable successful policy implementation.	Continue Year 1 activities with additional partnerships.	Continue Year 1-2 activities with additional partnerships and completing draft ordinance for tobacco retail license policy.
Type of Strategy: Healthcare System and Access <input type="checkbox"/> Public Health System, Prevention and Behaviors <input checked="" type="checkbox"/> Social Determinants of Health/Community Conditions <input checked="" type="checkbox"/>					
Policy Change Necessary for Strategy Success: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Resources to Address Strategy: Tobacco21, Existing tobacco retail license cities in Ohio, American Heart Association, Lake County Mayors and Managers Association					
Addresses additional Priority Area: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

General Indicators of Health Status

In addition to indicators noted above for priorities and factors, LCGHD also tracks the following indicators of community health status not tied to specific strategies.

Indicator	Data Source	Baseline Year	Baseline Value
Days fair/poor health	County Health Rankings	2019	17%
Poor physical health days in past 30 days	County Health Rankings	2019	4
Frequent physical distress (% 14+ days/month)	County Health Rankings	2019	12%
Life expectancy	County Health Rankings	2018-2020	78.2
Premature age adjusted mortality (Deaths under 75 per 100,000)	County Health Rankings	2018-2020	360
Years Potential Life Lost	County Health Rankings	2018-2020	7,200
Child mortality (deaths under 18 per 100,000)	County Health Rankings	2017-2020	30
Infant mortality (infant deaths <1 year per 1,000 live births)	County Health Rankings	2014-2020	4

Progress Reporting and Plan Revision

Lead organizations will convene partners and meet as appropriate, in order to guide implementation and monitor progress towards their identified strategy. Process measures, which have been identified for each included strategy, will be monitored by the lead organization on a progress update work plan during the course of strategy implementation. Lake County General Health District will retain responsibility for the annual monitoring of secondary data sources identified as indicators in each priority area, and will identify new and emerging data trends occurring throughout the this plan cycle.

All 2023-2025 Lake County Community Health Improvement Plan partner organizations, community stakeholders, and interested community members will meet quarterly to report progress toward identified strategies, discuss opportunities to revise or enhance current strategies, and review any emerging Lake County health trends. Annually, the group will review emerging Lake County health data, collected either by a partner organization or as part of the annual progress update, and determine if revisions to priority areas or selected strategies is warranted.

For more information about this plan, please contact:

Lena Grafton, PhD, MPH, CHES
Program Manager, UH Regional Community
Health-East Market
Government & Community Relations
University Hospitals
11100 Euclid Avenue
Cleveland, Ohio 44106-5000
(216) 844-5896
Lena.Grafton@UHhospitals.org

Ron H. Graham, MPH
Health Commissioner
Lake County General Health District
5966 Heisley Road
Mentor, Ohio 44060
(440) 350-2358
rgraham@lcghd.org

Appendix I: Gaps and Strategies

The following table indicates Lake County gaps related to access to care, community conditions, mental health & substance use and misuse, and chronic disease compiled by the Lake County CHIP planning group. Potential strategies to address were also identified, and included in this CHIP when feasible.

Community Condition Gaps	Strategies
Inflation- rising costs of goods, services- new definition of “working poor”	<ul style="list-style-type: none"> • Advertise linkage to available services • Unite Us platform
Students behind in school due to pandemic (Kindergarten readiness)	<ul style="list-style-type: none"> • Newborn home visiting • Early Head Start • Crossroads Health parenting programs • Free book programs (Dolly Parton Imagination Library)
Access to Care Gaps	Strategies
People not getting recommended based on ages (ex. mammogram, colonoscopy)	<ul style="list-style-type: none"> • Community education • Transportation assistance, esp. for colonoscopies
Healthcare providers not reflecting diversity of community	<ul style="list-style-type: none"> • Institutions seek diversity applicants • Provide cultural competency training
Workforce shortage in all areas of healthcare (Smaller organizations cannot compete with larger institutions)	<ul style="list-style-type: none"> • Increase staff wellness activities • Raise salaries
High deductible insurance plans make routine care unaffordable	<ul style="list-style-type: none"> • Advocate for more affordable healthcare coverage for all
Transportation (Tripoint Hospital not on bus route)	<ul style="list-style-type: none"> • Apply for grants for transportation gift cards • Laketrans Dial-a-Ride • Transportation from Medicaid/managed care providers
Mental Health & Substance Use and Misuse Gaps	Strategies
Severe clinician shortage	<ul style="list-style-type: none"> • Raise pay rate for Master’s level clinicians • Targeted group work with clients
Shortage of LISWs	<ul style="list-style-type: none"> • Seek grants to provide counseling services at no charge to clients.
Inadequate screenings for suicide risk	<ul style="list-style-type: none"> • Provide expanded training to primary care physicians, school personnel
Lack of resources to address anxiety since pandemic	<ul style="list-style-type: none"> • Add screening tools for physicians. • Promote other stress management activities (exercise, yoga, medication, etc.)
Increased number of youth with social/emotional issues coming out of pandemic	<ul style="list-style-type: none"> • Mentoring programs • Grant collaborations
Most private/commercial insurance plans do not provide comprehensive coverage for behavioral health	<ul style="list-style-type: none"> • Advocate for more comprehensive coverage • Promote entities that offer sliding-scale services • Promote telehealth options that may be available

Chronic Disease Gaps	Strategies
Specialized diets to counteract chronic disease- lack of access to appropriate foods	<ul style="list-style-type: none"> • Specialized food boxes at food pantries for diet requirements (ex. diabetes) • Food pantries stock healthier foods
Lack of access to fresh fruits and vegetables	<ul style="list-style-type: none"> • WIC Farmer's Market Nutrition Program • Existing Farmer's Markets • Food Pantries (partnering with Greater Cleveland Food Bank for produce) • Lake County Mobile Food Pantry • SNAP • Community gardens
Lack of preventive care	<ul style="list-style-type: none"> • Community screening events • Make sure insured individuals (private or public) understand benefits available
Lack of knowledge/understanding of how vaping products will affect health	<ul style="list-style-type: none"> • Community/school education • Tobacco-free policies • Ask, Advise, Refer training for school personnel, healthcare providers • Tobacco Retail Licensing