2019 Lake County Community Health Needs Assessment

Executive Summary
1. Introduction

1.1 Background

In an effort to improve the health of Lake County residents, as well as maximize resources, avoid service duplication, and enhance community agency collaboration and coordination, Lake Health and Lake County General Health District have brought together county social service agencies and non-profit partners to perform the first ever combined Lake County Community Health Needs Assessment.

Identifying social, biological, and environmental factors that influence health at a population level is of increasing focus for both the public health and health care systems, and the community health needs assessment is a powerful tool to determine how these factors impact the health-related needs of a community. Health needs are identified through a systematic collection and analysis of both qualitative and quantitative information, and are accompanied by a community health improvement plan that describes the actions each partner will take to address the identified needs.

In summary, both the community health needs assessment and community health improvement plan enable Lake County communities to address the health of its residents in an informed and meaningful way. Lake Health, Lake County General Health District, and all of the participating partners are committed to this process and to improving the health of Lake County residents.

Conduction of a community health needs assessment every three years is required for non-profit hospital systems to retain their respective Internal Revenue Service 501(c)(3) status. Local health departments seeking accreditation from the Public Health Accreditation Board are required to conduct a community health assessment every five years, and the Ohio Department of Health requires the conduction of a community health assessment every three years.

Planned in coordination with 11 local partners and stakeholders and funded by Lake Health, the health assessment was conducted by the Lake County General Health District’s Office of Health Policy and Performance Improvement, and included the collection and analysis of both quantitative and qualitative data. Data collection activities included:

1. Collection of 121 secondary data measures from nationally recognized and publicly available data sources.

2. Distribution of a 93-question survey distributed to current Lake County residents in both electronic and paper formats, in both English and Spanish languages.

3. Distribution of a nine-question survey to 40 Lake County mayors, city managers, commissioners, and community agency directors.

4. Conduction of five community resident focus groups, in order to provide additional qualitative context for health issues identified in the resident surveys.
1. Introduction

1.2 Acknowledgments

Several Lake County community partners comprised the 2019 Lake County Community Health Needs Assessment Steering Committee, including:

**Lake County Alcohol, Drug, and Mental Health Services Board**
Kimberly Fraser, *Executive Director*
Danette Richards, *Triage Specialist*

**Lake County Commissioner's Office**
Donna Tyson, *Project Coordinator*

**Lake County Council on Aging**
Jennifer McLaughlin, *Manager, Lake County Aging and Disability Resource Center*

**Lake County General Health District**
Ron Graham, *Health Commissioner*
Christine Margalis, *Quality Assurance and Special Projects Coordinator*
Dr. Matthew Nichols, *Director, Office of Health Policy and Performance Improvement*
Jessica Wakelee, *Policy, Research, and Planning Coordinator*

**Lake County United Way**
Jennifer McCarty, *President, Chief Executive Officer*

**Lake Metroparks**
Elizabeth Mather, *Chief of Technology*
Allison Ray, *Environmental Planner*

**Lakeland Community College**
Dr. Karen Gravens, *Program Director, Nursing*
Dr. Deborah Hardy, *Dean for Health Technologies, Associate Provost for Teaching and Learning, Dean of Faculty*

**Laketrans**
Ben Capelle, *Chief Executive Officer*

**Signature Health**
Mary Wynne-Peaspanen, *Director, Sexual and Reproductive Health Operations*
Ann Mason, *Chief Operating Officer*

**YMCA of Lake County**
Alyssa Gustwiller, *Chief Operating Officer*
Beth Horvath, *Director, Healthy Living*

**Lake Health**
Dino DiSanto, *Vice President, Marketing and Government Affairs*
Rick Cicero, *Senior Vice President, Business Development*
1. Introduction

1.3 Agency Overview

Lake Health
Lake Health is a private, non-profit health care system located in Northeast Ohio. The largest private employer in Lake County, Lake Health was founded in 1902 by the New Connecticut Chapter of the Daughters of the American Revolution, and is committed to providing the highest quality health care to residents in and around Lake County, Ohio, by way of a comprehensive network that includes 600 physicians, 2,600 health care professionals, approximately 1,000 volunteers, and 11 health care facilities, including two hospital campuses: West Medical Center, located in Willoughby, Ohio, and TriPoint Medical Center in Concord Township, Ohio.

Mission Statement
To provide comprehensive health care services to the residents of Lake County and neighboring communities in partnership with those who share a commitment to local access, healing with compassion, and superior quality.

Vision Statement
Lake Health, in partnership with its medical staff, will be the first choice for superior care close to home. Together, we will coordinate a lifetime of health which patients and families experience as warm, responsive, and state-of-the-art. Our organization and culture will produce the best opportunities to practice and work.

Lake County General Health District
Originally established in December 1919 as separate city and county agencies, respectively, Lake County General District and Painesville City District merged in 1984 to form the Lake County General Health District, the county’s sole health district. Located at 5966 Heisley Road in Mentor, OH, Lake County General Health District serves Lake County’s 230,117 residents with an operating budget of $9 million and nearly 60 full-time equivalents. In line with a long history of innovative public health services, Lake County General Health District was the 14th health district to be accredited in Ohio through the Public Health Accreditation Board, and maintains a strong supportive presence in a number of surrounding counties. In January of 2018, Lake County General Health District established the Office of Health Policy and Performance Improvement to focus on local, state, and national systems change opportunities; this office was responsible for the conduction of this community health needs assessment.

Mission Statement
Working to prevent disease, promote health, and protect our community.

Vision Statement
Lake County citizens enjoy continually improving health and quality of life; healthy, happy, productive workforce which provides quality health services.
1.4 Community Served

The service area for both Lake Health and Lake County General Health District is defined as Lake County, both in practice and for the purposes of this assessment. Secondary data utilized in this assessment was collected at the county level and compared against national, state, and comparison county figures, as well as Healthy People 2020 goals when available.

**Lake County consists of 23 political subdivisions, including:**

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

1.3 Community Served

Lake County, situated along the southern Lake Erie coastline and approximately 50 miles west of the Pennsylvania state border, is home to 230,117 residents and is characterized predominately by Caucasian (92%), high school graduate (92%) homeowners (74%), with a median household income of $59,958. One-fifth of Lake County residents are 65 years of age or older. The county seat of Painesville retains an ethnically diverse population, with upwards of 43% Hispanic residents in some census tracts, more than one-third of which are children under 18 years of age.

Despite retaining the smallest geographical footprint of any Ohio county, Lake County has a considerable manufacturing and retail presence across the county’s 6,000 employers, 86,697 employees, and mix of urban, rural, and suburban communities. Lake County is uniquely positioned between densely urban Cuyahoga County to the west, affluent Geauga County to the south, and rural Ashtabula to the east, and is bisected by two major throughways, Ohio State Route 2 and Interstate 90.

Median Household Income

$59,618
2. Lake County Health Concerns

In total, 16 Lake County-specific health concerns were identified across the quantitative and qualitative components of the four assessments processes (Table 1), and included the following:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Secondary Data</th>
<th>Resident Survey</th>
<th>Resident Survey (Qualitative)</th>
<th>Community Leader Survey</th>
<th>Focus Group Survey</th>
<th>Focus Group Themes (Qualitative)</th>
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<tbody>
<tr>
<td>Access to care</td>
<td></td>
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<td>Alcohol abuse</td>
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<tr>
<td>Alcohol-related deaths</td>
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<td>✔</td>
<td></td>
<td></td>
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<tr>
<td>Alcohol-related driving deaths</td>
<td>✔</td>
<td>✔</td>
<td>○</td>
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<td>✔</td>
</tr>
<tr>
<td>Alzheimer’s disease</td>
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<td>✔</td>
<td></td>
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<tr>
<td>Diabetes</td>
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<tr>
<td>Drug overdose deaths</td>
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<td>✔</td>
<td></td>
<td></td>
<td>✔</td>
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<tr>
<td>Fall deaths</td>
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<td>Fast food restaurant density</td>
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<tr>
<td>Heart disease</td>
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<td></td>
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<tr>
<td>High blood pressure</td>
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<td>✔</td>
<td></td>
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<td>✔</td>
<td></td>
</tr>
<tr>
<td>Limited access to healthy foods</td>
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<td>✔</td>
<td></td>
<td></td>
<td>✔</td>
<td></td>
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<td>Mental health</td>
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<td></td>
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<tr>
<td>Obesity</td>
<td>✔</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preventable hospitalizations</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Preventable teen deaths</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>
2.1 Access

Access to Care

The rate of primary care physicians per 100,000 population. Doctors classified as “primary care physicians” by the American Medical Association include: General Family Medicine MDs and DOs, General Practice MDs and DOs, General Internal Medicine MDs and General Pediatrics MDs. Physicians 75 years of age and older, and physicians practicing sub-specialties within the listed specialties, are excluded.

“We have hundreds of families who can’t afford health care coverage... and at the end of the day, everybody deserves to be healthy and feel okay.”

-Focus Group Participant

### National, State, and Local Data*

- Healthy People 2020
  - N/A
- State of Ohio
  - 93 per 100,000
- Lake County
  - 88 per 100,000
  - 48 per 100,000

### 2019 Resident Survey Results

- 37% of residents had not seen a primary care doctor in the past 12 months

### High Risk Profile**

- 55% of African Americans did not have a routine checkup in the past 12 months

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*Community Commons 2015

**Lake County 2019 Community Health Needs Assessment Resident Survey
2.1 Access

Access to Healthy Foods

The percentage of the population with low food access. Low food access is defined as living more than a half mile from the nearest supermarket, supercenter or large grocery store, and highlights populations and geographies facing food insecurity.

“And let’s be honest too, there’s no healthy food stores here...there are **convenience stores** on every single corner...we’ve got to figure out how to bring in low-cost food.”

-Focus Group Participant

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**National, State, and Local Data**

*USDA Food Access Research Atlas 2015

- Healthy People 2020
- USA map
- Ohio map
- Lake County map

- 6%
- 22%
- 25%
- 40%

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**2019 Resident Survey Results**

- **26%** identified limited access to **healthy foods** as a **health concern** in **Lake County**

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**High Risk Profile**

**Black et al. 2014**

- **Low income**
- Ethnic minority neighborhoods
2.1 Access

**Fast Food Restaurant Density**

Rate of fast food restaurants per 100,000 population. Fast food restaurants are defined as limited-service establishments primarily engaged in providing food services (except snack and nonalcoholic beverage bars) where patrons generally order or select items and pay before eating.

“We used to only have one fast food restaurant in a city. You know, one McDonalds and one Burger King... And now there’s one on every corner.”

- Focus Group Participant

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**National, State, and Local Data**

*Community Commons 2016

<table>
<thead>
<tr>
<th>State or Region</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>N/A</td>
</tr>
<tr>
<td>Ohio</td>
<td>77</td>
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<tr>
<td>Lake County</td>
<td>81</td>
</tr>
<tr>
<td></td>
<td>82</td>
</tr>
</tbody>
</table>

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**2019 Resident Survey Results**

34% identified fast food density as a health concern in Lake County

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**High Risk Profile**

**Black et al. 2014

Ethnic minority neighborhoods

Low income
2.1 Access

Preventable Hospitalizations

Discharge rate per 1,000 Medicare enrollees for conditions that are ambulatory care sensitive (ACS). ACS conditions include pneumonia, dehydration, asthma, diabetes, and other conditions which could have been prevented if adequate primary care resources were available and accessed by those patients.

More than two-thirds of Americans 65 years of age have at least two chronic conditions, and 32% of hospitalizations among this age group are preventable.*

*Dantas et al. 2016

National, State, and Local Data**

**Community Commons 2015

N/A 49 57 59 per 100,000

2019 Resident Survey Results

29% 40% of residents and of community leaders identified preventable hospitalizations as a HEALTH CONCERN in Lake County

High Risk Profile***

***Dantas et al. 2016, Doshi et al. 2017

Advancing age

Non-Hispanic African American

Chronic condition(s)
2.2 Chronic Disease

Alzheimer’s Disease
Percentage of Medicare beneficiaries with Alzheimer’s disease or related disorders.

“I’ve done some guardianship with the probate judge, and ended up getting a gentleman that was **homeless**, and the only reason that he ended up in probate court was because he had gotten sick…he ended up in the hospital and they couldn’t release him, so the probate court had to take over and I ended up as a guardian. He had **dementia** and he was just walking the streets for probably a **year**.

-Focus Group Participant

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### National, State, and Local Data*

*Centers for Medicare Services 2015

<table>
<thead>
<tr>
<th>Healthy People 2020</th>
<th>State</th>
<th>Local</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11%</td>
</tr>
</tbody>
</table>

### 2019 Resident Survey Results

- **27%** identified **Alzheimer’s disease** as a **HEALTH CONCERN** in **Lake County**

### High Risk Profile**

**Matthews et al. 2018

- African American or Hispanic females

- **85+ years old**
2.2 Chronic Disease

Diabetes

Percentage of adults 20 years of age and older who have ever been told by a doctor that they have diabetes.

“Being diabetic and on insulin is a very, very expensive deal; and insurance companies, there’s only two companies that make it, and their prices are almost identical to each other, and insurance only picks up so much.”

-Focus Group Participant

National, State, and Local Data*

*Community Commons 2015

<table>
<thead>
<tr>
<th>Healthy People 2020</th>
<th>N/A</th>
<th>9%</th>
<th>10%</th>
<th>9%</th>
</tr>
</thead>
</table>

2019 Resident Survey Results

16% of residents reported having DIABETES

High Risk Profile**

**Lake County 2019 Community Health Needs Assessment Resident Survey

- Caucasian male
- Advancing age
- Overweight or obese
# 2.2 Chronic Disease

**Heart Disease**
Percentage of Medicare fee-for-service population with heart disease.

Greater than 1 in 3 American adults have heart disease, and **more than half** are 60 years of age or older.*

*Mozaffarian et al. 2016

## National, State, and Local Data**
**Community Commons 2015

| Healthy People 2020 | N/A | 27% | 27% | 28% |

## 2019 Resident Survey Results
9% reported having **heart disease**

## High Risk Profile***
***McClelland et al. 2015, Mozaffarian et al. 2016, Lake County 2019 Community Health Needs Assessment Resident Survey

- Advancing age
- Diabetes
- Overweight or obese
- Caucasian male
- Smoking
- High cholesterol
2.2 Chronic Disease

High Blood Pressure

Percentage of Medicare fee-for-service population with high blood pressure.

Upwards of 100 million Americans currently have high blood pressure, or hypertension, and high blood pressure is a considerable risk factor for heart disease, stroke, heart failure, kidney disease, and all-cause mortality.*

*Shah and Stafford 2018

National, State, and Local Data**

**Community Commons 2015

2019 Resident Survey Results

High Risk Profile***

***Lake County 2019 Community Health Needs Assessment Resident Survey

40% of residents reported having HIGH BLOOD PRESSURE

African American males

Overweight or obese

Advancing age
2.2 Chronic Disease

Obesity

Percentage of adults 20 years of age and older who self-report that they have a Body Mass Index (BMI) greater than 30.

“I think the biggest problem is getting people to realize there is a problem. I have two granddaughters…the 23 year-old is obese. She’s now diabetic. She doesn’t realize what this is going to do later on down the line.”

-Focus Group Participant

**National, State, and Local Data**
*Centers for Medicare Services 2015*

<table>
<thead>
<tr>
<th>Healthy People 2020</th>
<th>31%</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>28%</td>
</tr>
<tr>
<td>Lake County</td>
<td>31%</td>
</tr>
<tr>
<td>Ohio</td>
<td>27%</td>
</tr>
</tbody>
</table>

**2019 Resident Survey Results**

41% of residents surveyed were OBESE (BMI values >30)

**High Risk Profile**
**Lake County 2019 Community Health Needs Assessment Resident Survey**

- 40 to 49 years old
- Higher among minorities
- Increases with lower education
- Male
2.3 Injury

Fall Deaths
Age-adjusted death rate due to falls per 100,000 population.

Unintentional falls are the leading cause of death among adults 65 years of age and older.*

*Deprey et al. 2017

National, State, and Local Data**
**CDC WONDER 2016-2017

Healthy People 2020

7 per 100,000
9 per 100,000
10 per 100,000
16 per 100,000

2019 Resident Survey Results

11% identified fall deaths as a health concern in Lake County

High Risk Profile***
***Lohman et al. 2018

Advancing age
Female
Prior falls

Non-Hispanic
2.4 Mental Health and Addiction

Alcohol Abuse
Percentage of adults 18 years of age or older who report binge or heavy drinking in the past 30 days.

Alcohol abuse is associated with depression, heart disease, stroke, cancer, liver cirrhosis, cognitive decline, peripheral neuropathy, decreased bone density, and low blood cell counts.*

*Schuckit 2009

National, State, and Local Data**
**CDC WONDER 2016-2017

2019 Resident Survey Results

High Risk Profile***
***Lake County 2019 Community Health Needs Assessment Resident Survey

Under the age of 30

Male

Less than high school education

1 in 3 
reported 
binge drinking in the PAST 30 days
2.4 Mental Health and Addiction

Alcohol-related Deaths
Age-adjusted alcohol-related death rate per 100,000 population.

Nationally, more than two million years of life were lost to an alcohol-related death among individuals 20 years of age and older between 2006 and 2010.*

*Naimi et al. 2019

National, State, and Local Data**

**CDC WONDER 2016-2017

2019 Resident Survey Results

High Risk Profile***

***Naimi et al. 2019
2.4 Mental Health and Addiction

Alcohol-related Driving Deaths
Percentage of driving deaths with alcohol involvement.

Alcohol-related driving is the leading cause of traffic deaths in the United States, and roughly 30% of traffic deaths involve drivers with blood alcohol concentrations above the respective state limit.*

*Teutsch and Naimi 2018

National, State, and Local Data**
**National Highway Traffic Safety Administration 2012-2016

Healthy People 2020

N/A 30% 34% 38%

2019 Resident Survey Results

5% reported driving while intoxicated in the past 30 days

High Risk Profile***
***Voas et al. 2012

16 to 20 years old

Male
2.4 Mental Health and Addiction

Drug Overdose Deaths
Age-adjusted unintentional drug overdose death rate per 100,000 population.

“I think if you talk to any of our first responders they will tell you the drug and alcohol problems in our county are pretty bad. You know you have kids that are putting hash marks on their arm when they are brought back from an overdose. Our response and approach isn’t right. I don’t know if we have to be more severe or more understanding, but let’s face it, a slap on the wrist doesn’t work.”

-Focus Group Participant

2019 Resident Survey Results

78% of residents and 100% of community leaders identified drug overdose deaths as a HEALTH CONCERN in Lake County.

High Risk Profile**
**LCGHD 2018

Caucasian male
Single
25 to 54 years old
Labor, maintenance or trade occupation
2.4 Mental Health and Addiction

**Mental Health**
Age-adjusted mean number of mentally unhealthy days reported in past 30 days.

“**It’s a definite problem...students that are cutting themselves, depression...and we can’t get enough services for our students, we have too many that need services.**”

-Focus Group Participant

### National, State, and Local Data*
*County Health Rankings 2015

- Healthy People 2020
- N/A
- 4 days
- 4 days
- 4 days

### 2019 Resident Survey Results

*On average*

**Lake County residents reported**

**5.5 days of poor mental health in the past month**

### High Risk Profile**
**LCGHD 2018**

- 30 to 39 years old
- Female
- African American
2.4 Mental Health and Addiction

Preventable Teen Deaths
Crude rate of teen deaths resulting from accidents, homicides, and suicides, among individuals 15 to 19 years of age, per 100,000 population.

“If I’m overweight and they’re laughing at me, I’m going to be depressed because I want to fit in or I want to feel pretty. So nobody’s making me feel pretty because mom’s not at home, and I just feel alone. Then the next thing you know, you’re bullied so much, and then they take their own lives.”

-Focus Group Participant

National, State, and Local Data*
*CDC 2017, ODH 2017

Healthy People 2020

11 per 100,000
22 per 100,000
42 per 100,000
44 per 100,000

2019 Resident Survey Results
43% 53% of residents and of community leaders identified preventable teen deaths as a health concern in Lake County

High Risk Profile**

Teen males are at higher risk for fatal accidents, homicide deaths and suicide
3. Prioritization of Health Concerns

Based on the 16 health concerns affecting Lake County residents, the 2019 Lake County Community Health Needs Assessment Steering Committee prioritized these concerns based upon the (1) number of people affected, (2) individual and community impact, and the (3) local capacity to address, in accordance with both Internal Revenue Service Section 501 (r)(3) and Public Health Accreditation Board Standards and Measures, Version 1.5, Measure 5.2.1 L (required documentation 1e). A scale from one to ten was utilized for each of the three domains, and were defined as follows:

**Number of People Affected:** How many individuals does the problem affect, either directly or indirectly?

**Individual and Community Impact:** What are the consequences to both individuals and the community if this issue is not addressed or improved? Consider existing and potential physical, mental, social and economic consequences.

**Local Capacity to Address:** Are there existing organizations, resources and workforce to address this issue? Are there opportunities for new or enhanced collaborative partnerships?

The 2019 Lake County Community Health Needs Assessment Steering Committee mean prioritization scores are included below (Table 2).

<table>
<thead>
<tr>
<th>Health Concern</th>
<th>Number of People Affected</th>
<th>Individual and Community Impact</th>
<th>Local Capacity to Address</th>
<th>Total MeanScore</th>
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</thead>
<tbody>
<tr>
<td>Diabetes</td>
<td>8</td>
<td>9</td>
<td>8</td>
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<tr>
<td>Obesity</td>
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<td>24</td>
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<td>Mental Health</td>
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<td>8</td>
<td>7</td>
<td>23</td>
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<tr>
<td>High Blood Pressure</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>23</td>
</tr>
<tr>
<td>Drug Overdose Deaths</td>
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<td>8</td>
<td>8</td>
<td>23</td>
</tr>
<tr>
<td>Heart Disease</td>
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<td>7</td>
<td>23</td>
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<td>Limited Access to Healthy Foods</td>
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<tr>
<td>Fall Deaths</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>
3. Prioritization of Health Concerns

In light of the number of Lake County residents affected, the individual and community impact, and the local capacity to address, the following nine health concerns were selected based on the previously-identified ranking method, and will inform community-based strategies for inclusion in the 2020 to 2022 Lake County Community Health Improvement Plan.

Access to Care
Alcohol Abuse
Diabetes
Drug Overdose Deaths
Heart Disease
High Blood Pressure
Limited Access to Healthy Foods
Mental Health
Obesity

The following health concerns, while also relevant to the community’s health, did not qualify for inclusion in the 2020 to 2022 Lake County Community Health Improvement Plan based on the prioritization process.

Alcohol-related Deaths
Alcohol-related Driving Deaths
Alzheimer’s Disease
Fall Deaths
Fast Food Restaurant Density
Preventable Hospitalizations
Preventable Teen Deaths

Based on the prioritized health concerns, Lake Health and Lake County General Health District will lead the 2019 Lake County Community Health Needs Assessment Steering Committee, in conjunction with community partner agencies, to identify strategies, objectives, and measurable outcomes to be included in the 2020 to 2022 Lake County Community Health Improvement Plan.

Lake Health and Lake County General Health District are committed to conducting another community health needs assessment in 2022.

The Lake Health Board of Trustees approved the contents of this report on December 7, 2019.

The Lake County General Health District Board of Health approved the contents of this report on December 16, 2019.