

IROQUOIS COUNTY | ILLINOIS 2019-2024

COMMUNITY HEALTH  
IMPROVEMENT PLAN



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# Iroquois County Public Health Department

Dee Ann Schippert, RN, BSN  
Public Health Administrator

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## **Board of Health Letter of Acceptance and Adoption**

March 14, 2019

Mr. Bill Dart  
Office of Policy, Planning & Statistics, Illinois Department of Public Health  
525 W. Jefferson Street  
Springfield, IL 62761

Organizational Capacity / Community Needs Assessment /IPLAN

Dear Mr. Dart:

Please accept this letter as official confirmation that the IPLAN for Iroquois County has been completed along with the organizational capacity, community needs assessment and preliminary strategic planning process required for the recertification of the Iroquois County Public Health Department. The Iroquois County Board of Health has reviewed and approved the IPLAN on March 13, 2019.

The IPLAN document was submitted to each Board of Health member by email or hardcopy for their review and comments, prior to the formal presentation by Dee Ann Schippert, Iroquois County Public Health Department Administrator on March 13, 2019.

Please feel free to contact Dee Ann Schippert, Iroquois County Public Health Department Administrator if you have questions regarding the organizational capacity assessment, community needs assessment or other aspects of the IPLAN.

Best Regards,

A handwritten signature in black ink that reads "Michelle Fairley".

Michelle Fairley, President  
Iroquois County Board of Health

The Iroquois County Public Health Department does not discriminate in admission to programs or treatment of employment in programs or activities in compliance with the Illinois Human Rights Act; the U.S. Civil Rights Act; Section 504 of the Rehabilitation Act; the Age Discrimination Act; the Age Discrimination in Employment Act; and the U.S. and Illinois Constitution. If you feel you have been discriminated against, you have a right to file a complaint with the Illinois Department of Aging; for information call 1-800-252-8966 (Voice & TDD), or contact Iroquois County Public Health Department at 1-815-432-2483.

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# IROQUOIS COUNTY BOARD HEALTH



## ROSTER OF BOARD MEMBER

**Michelle Fairley, RN**  
*President*

Term: 3 years  
Expires: February 2020

**Marvin Stichnoth**  
*County Board Member*

Term: 3 years  
Expires: February 2021

**Aravind Reddy, MD**  
*Vice-President*

Term: 3 years  
Expires: February 2022

**James Tungate, MA, PhD, JD,  
DHL**

Term: 3 years  
Expires: February 2020

**Lisa Breymeyer, AS, BS**  
*Secretary*

Term: 3 years  
Expires: February 2021

**Rodney Yergler, DDS PC**

Term: 3 years  
Expires: February 2020

**Susie Legan, BA**

Term: 3 years  
Expires: February 2022

**Philip Zumwalt, MD**

Term: 3 years  
Expires: February 2021

## Statement of Purpose

In accordance with requirements set by the Illinois Department of Public Health rules, Title 77: Part 600.400: Public Health Practice Standards, we submit the 2019-2024 Iroquois County Community Health Improvement Plan. This document was designed under the guidance structure provided by the Illinois Project for Local Assessment of Needs (IPLAN). The plan is a result of a comprehensive, community-based public health needs assessment, including reviews of relevant data, collective perceptions of the community participants, and dialogue about the overall health of Iroquois County. This needs assessment was conducted using the Mobilizing for Action through Planning and Partnership (MAPP) model. This document is presented as a guidance structure to improve the overall health and well-being of Iroquois County residents over the next five years, by setting attainable goals with measurable outcomes and engaging community partnerships.



## Executive Summary

Iroquois County is rich in history, natural beauty and rural life but, like many other counties, faces numerous health related challenges. Along with such challenges, comes opportunity for change, improvement and collective collaboration. The processes of the Illinois Project for Local Assessment of Needs (IPLAN) have enhanced and strengthened the community partnerships in efforts to improve local health initiatives. A major strength of Iroquois County is the dedication and commitment of numerous community partners and organizations to improve the lives of their fellow residents.

Iroquois County Public Health Department (ICPHD) is the local public health authority for the entirety of Iroquois County, Illinois. The mission of the Iroquois County Public Health Department is to “fulfill society’s interest in assuring conditions in which people can reach their maximum health potential.” ICPHD focuses on health promotion, health protection, and disease prevention, through assessment, education, intervention, mitigation, and implementation of control measures.

As the local public health authority for Iroquois County, ICPHD took on the responsibility of bringing community leaders together to conduct a community wide needs assessment and community health improvement plan for 2019-2024. ICPHD used the Mobilizing for Action through Planning and Partnership (MAPP) model, a community-based model that necessitates community engagement at all levels to conduct this Illinois Project for Local Assessment of Needs (IPLAN). We assessed the current health status of the community, defined its needs, and created a comprehensive plan to improve the community’s health by acquiring input from community partners, leaders, elected officials, and residents.

**Vision:** Iroquois County strives to cooperatively create a safe and healthy community with attainable services for all to live and grow.

**The Four MAPP Assessments:** The MAPP process is composed of four assessments. Approximately 45 community leaders met multiple times to participate in the assessments and to review the results of the survey, review community health data, set a vision, and identify priorities and goals for the 2019-2024 Iroquois County IPLAN.

## **The Four MAPP Assessments:**

1. The **Community Health Status Assessment** evaluates the basic demographics and health-related statistics of residents of Iroquois County. We used aggregated data accessed from Countyhealthrankings.org, state-level government organizations and city and county agencies.
  - Iroquois County has a current population of 28,334, a 4.7% decrease from 2010.
  - 6.7% of the population identifies as Hispanic and 90.3% of the population identifies as non-Hispanic white.
  - Rural residents comprise 71.1% of the county's population.
  - The median income is \$47,900 and 49% of school-aged children qualify for free or reduced school lunch.
  - Iroquois County has an obesity rate of 33%, 5% less than that of Illinois.
  - The leading cause of death in Iroquois County has been heart disease for the past 8 years.
  
2. The **Community Themes and Strengths Assessment** was conducted by surveying 289 Iroquois County residents that represented different community groups.
  - Respondents identified pedestrian cross walks and street lights as strengths of the community.
  - Respondents identified crime rates, lack of crime patrols and controlled rural intersections as needing improvement.
  - Opportunities for youth, drug treatment services and funding for school programs were other areas respondents identified as needing improvement.
  - Respondents were satisfied with their access to health care, affordable housing and senior services.
  - Respondents identified drug abuse, mental health and alcohol abuse as the top three health concerns in Iroquois County.

3. The **Local Public Health System Assessment** included a group of approximately 30 community leaders from various organizations. This assessment measured how the local public health system is addressing the 10 essential public health services.
  - Strengths: Diagnosis and investigate, mobilize partnerships, enforce laws and develop policies/plans
  - Areas for Improvement: Monitor health status, assure workforce, research/innovations and link to health services.
4. The **Forces of Change Assessment** identified the closing of obstetric services at Iroquois Memorial Hospital as impacting many social, economic, and health factors. A serious environmental and economic threat is flooding.

## Health Priorities

After the results of the four MAPP assessments were presented, community leaders used this information to select the top three health priorities in Iroquois County.

### Substance Abuse:

- increase access to treatment for opioid addiction
- reduce substance abuse stigma
- increase substance abuse programs within Iroquois County schools

### Mental Health:

- increase referrals from ICPHD to local mental health services
- reduce stigma
- increase overall access to mental health services for Iroquois County residents

### Healthy Lifestyle Promotion:

- increase healthy lifestyle programs within schools, focusing on:
  - physical activity
  - nutrition
  - mental health
  - sexual health
- implement healthy lifestyle programs for adults at community level, focusing on:
  - prevention of chronic illnesses
  - management of chronic diseases

## **IPLAN Community Partners: 2019-2024**

### **Iroquois County Public Health Department**

Dee Ann Schippert, Public Health Administrator  
Terry Eimen, Director of Environmental Health  
Vonda Pruitt, Director of Nursing Services  
Melisa Loy, Director of Senior Services  
Eric Ceci, Emergency Preparedness Coordinator  
Sandra Sikma, Financial Coordinator  
Taylor Eades, Executive Assistant

### **Iroquois County Public Health Department Board of Health**

Michelle Fairley, President  
Dr. Aravind Reddy, Vice-President  
Lisa Breymeyer, Secretary  
Susie Legan  
Marvin Stichnoth  
Dr. James Tungate  
Dr. Rodney Yergler  
Dr. Philip Zumwalt

### **Champaign-Urbana Public Health District (C-UPHD)**

Julie Pryde, Public Health Administrator  
Awais Vaid, Assistant Public Health Administrator  
Teresa Radosevich, Special Projects Coordinator

### **Iroquois County Emergency Management Agency**

Eric Ceci, Coordinator

### **Iroquois Memorial Hospital**

Michelle Fairley, Chief Nursing Officer  
Mary Kay Lavicka, Outreach Coordinator

### **Iroquois County Board**

John Shure, County Board Chairman  
Barb Offill, Health Committee Chair  
Marvin Stichnoth, Tax, Planning and Zoning Committee Chairman

### **Iroquois County Care Services (C-UPHD)**

Ellen McCullough, Project Director/Program Coordinator

### **Iroquois Mental Health Center**

Alberta Burton, Director of Operations, Outpatient Therapist  
Heather Fletcher, Case Manager and Clinical Support Staff

### **Options**

Lenda Brasel, Independent Living Advocate

## **IPLAN Community Partners: 2019-2024 (continued)**

### **Iroquois-Kankakee Regional Office of Education**

Jennifer McTaggart, Life Education Center Educator, SPF Coordinator  
Sarah Pree, Youth Preventing Communication Campaign Specialist

### **Iroquois County Probation Department**

Barb King, Supervisor

### **Iroquois County 911**

Eric Raymond, Director

### **Iroquois County Volunteer Services**

Peggy Gossett, Director

### **Unit 9 Schools**

Guy Gradert, Superintendent  
James Bunting, Glenn Raymond Middle School Principal

### **Iroquois County Times Republic**

Carla Waters, Managing Editor

### **Iroquois Sexual Assault Services**

Tammy Barragree, Medical/Legal Advocate  
Kami Garrison, Director of Prevention Services  
Deanne Holste, Sexual Assault Therapist

### **Harbor House**

Joelle Conner-Nelson, Legal Advocate

### **Thrivent Financial**

Larry Burton, FIC Associate  
Denise Kosik, FIC Associate

### **Gibson Area Hospital**

Susan Wynn Bence, Community Liaison

### **Trinity Church**

Pastor Ryan Mustered  
Carl Mooi, Elder Board Chair

### **First Financial Bank**

Brian Chaney, Business Development Manager

### **Iroquois County Coalition for Change**

Barb Offill, Member  
Denise Kosik, Member

## Introduction and Framework

Illinois state law requires every local health department to participate in a process known as the Illinois Project for Local Assessment of Needs (IPLAN). This plan allows each county to create a current picture of its health assets and needs of its residents. This process must be completed at a minimum every five years. This detailed assessment and plan provides each county with the foundation for decision-making and evidence-based health planning. The essential elements of IPLAN are:

- 1) An organizational capacity assessment;
- 2) A community health needs assessment; and
- 3) A community health plan, focusing on a minimum of three priority health problems.

Iroquois County chose to create the IPLAN using a model known as Mobilizing for Action through Planning and Partnerships (MAPP). The MAPP model was created by the National Association of County and City Health Officials (NACCHO) in partnership with the Public Health Practice Program Office and the federal Centers for Disease Control and Prevention (CDC). MAPP enables communities to create partnerships that can help to identify their unique community needs and utilize available resources.

The MAPP process is unique in that it is community-driven. It tends to be more intense than other approaches due to its requirements of a high level of community organizations' and residents' participation. This model uses four different components to uncover community health trends, identify gaps in care, evaluate assets and develop and implement a plan that accurately addresses an individual community's health needs.

The four components of MAPP include:

**1) The Community Health Status Assessment** collects and analyzes health data and describes health trends, risk factors, health behaviors and issues of special concern.

**2) The Community Themes and Strengths Assessment** uses participants to make a list of issues of importance to the community, identify community assets and outline quality of life concerns.

**3) The Local Public Health System Assessment** measures the local public health system's ability to conduct essential public health services.

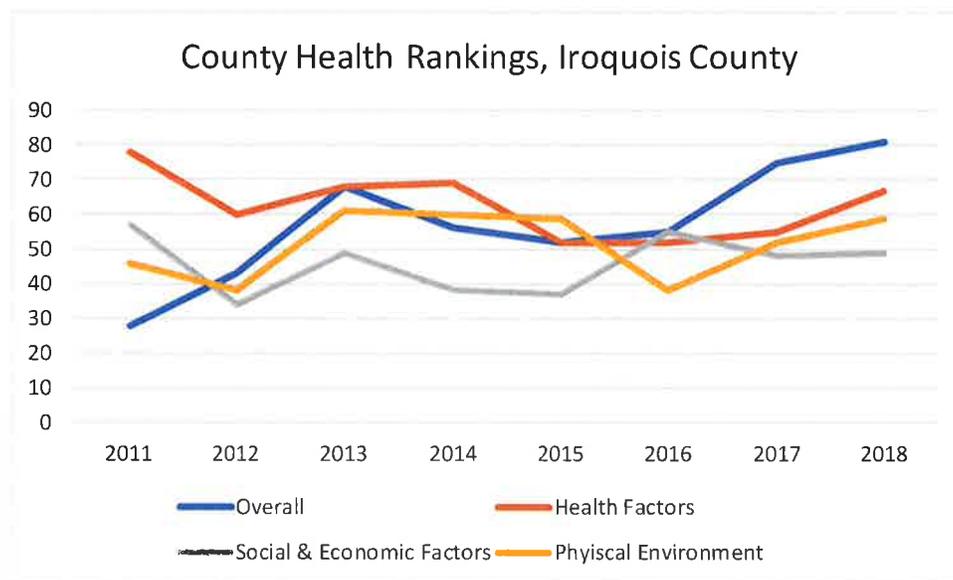
**4) The Forces of Change Assessment** identifies local health, social, environmental or economic trends that affect the community or public health system.

## Background

Iroquois County is an agricultural county in east central Illinois. Iroquois County contains 1,120 square miles and is the third largest landmass county in Illinois. As of 2017, the United States Census bureau estimates the population of Iroquois County to be 27,876. Iroquois County is home to the cities of Gilman and Watseka as well as the villages of Ashkum, Beaverville, Buckley, Chebanse, Cissna Park, Clifton, Crescent City, Danforth, Donovan, Iroquois, Loda, Martinton, Milford, Onarga, Papineau, Sheldon, Stockland, Thawville, Wellington, and Woodland.

## County Health Rankings for 2011-2018

Overall, the county health ranking trend has been upward, implying a lower ranking. Therefore, these are all areas for which improvements may be necessary.



# MAPP ASSESSMENTS

## 1) Community Health Status Assessment (CHSA)

The CHSA allows for the exploration of the health of residents of Iroquois County and determine what their unique needs are. This assessment shows a snap-shot of the community's health status and helps to ensure that our priorities include these specific health issues. For the purpose of this assessment, we chose to use the operational definition of health taken directly from the World Health Organization: Health is a state of complete physical, mental, and social wellbeing and not merely the absence of disease or infirmity. The indicators we assessed were analyzed using this philosophy.

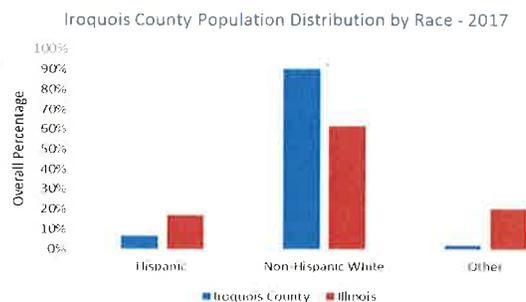
### Methodology

This assessment was created using aggregated data accessed from Countyhealthrankings.org, Centers for Disease Control and Prevention, US Census Bureau, Illinois Department of Public Health, Illinois State Police Crime Reports, Illinois Vital Statistics, Illinois Department of Healthcare and Family Services, Illinois Behavioral Risk Factor Surveillance System, and local and county agencies.

### Demographics

Iroquois County is a primarily rural county with a large percentage of non-Hispanic whites.

- The estimated current population of Iroquois County is 28,334, a 4.7% decrease from 2010.
- 21.8% of the population is below 18 years of age.
- 21.1% of the population is 65 and older, which is considerably higher than the 14.6% overall state population of Illinois residents whom are 65 and older.
- 6.7% of the population identifies as Hispanic and 90.3% of the population identifies as non-Hispanic white.
- Rural residents comprise 71.1% of the county's population.



## Socioeconomics

Most notable is the drastically lower median household income of Iroquois County when compared to the state average. This difference can be attributed to the primarily rural population combined with the lack of urban metropolis residential areas within the county. Although the high school graduation rates between Iroquois County and the state average are similar, Iroquois County reports only 57% of residents having some college education, compared to 68% of Illinois residents. Violent crime is significantly lower than the Illinois rate but injury death rates are almost double that of the state average.

Social & Economic Factors	Iroquois County	Illinois
Median Household Income	\$47,600	\$61,000
Children eligible for Free Lunch	49%	50%
Rural Population	71.7%	11.5%
Homicide Rate	None	7
High School Graduation	87%	86%
Some College	57%	68%
Unemployment	5.5%	5.9%
Children in Poverty	18%	18%
Children in Single-Parent Households	32%	32%
Violent Crime (per 100,000 residents)	118	388
Injury Deaths (per 100,000 residents)	98	56

*Data Obtained from 2017 County Health Rankings*

The number of Medicaid enrollees within Iroquois County appears to have peaked in FY2015 and has since declined within the past two fiscal years. However, the partial benefit enrollee numbers does not appear to have followed the same trend, but rather has been declining since FY2012.

Comprehensive Benefit Enrollees	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Children	3139	2689	2450	3239	3317	3075
Adults with Disabilities	539	530	540	657	648	630
ACA	NA	NA	557	1135	1054	1104
Other Adults	1525	1295	1278	1653	1602	1536
Seniors	196	179	195	389	394	413
Partial Benefit Enrollees	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Partial	192	112	74	55	69	55
Total Enrollees	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
Total	5591	4805	5114	7128	6884	6813

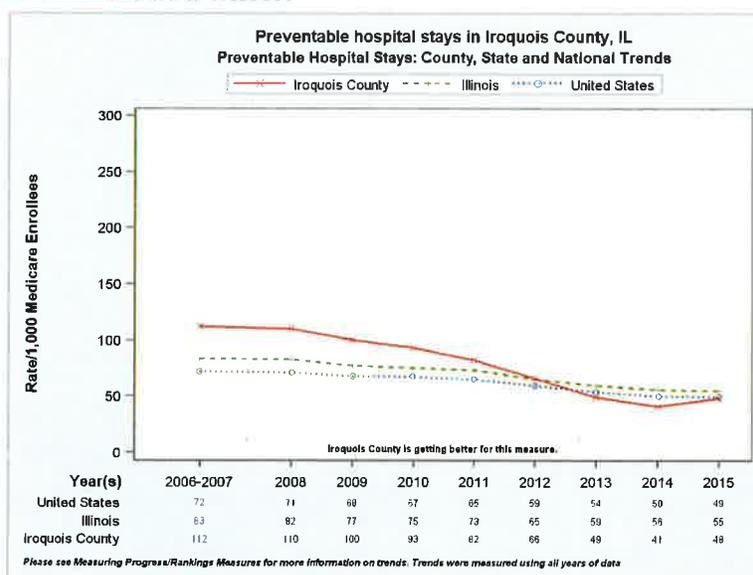
*Data obtained from Illinois Department of Healthcare and Family Services*

The ratio of primary care providers (PCPs) and dentists to residents is almost double the state ratio. Iroquois County does have a lower overall total of preventable hospital stays, which is interesting given the high ratio of PCPs to residents. Iroquois County is near equivalent to Illinois in diabetes monitoring but falls behind in mammography screenings; an area in which gains could be easily obtained.

Health Resources and Indicators	Iroquois County	Illinois
Uninsured	8%	8%
Uninsured Adults	9%	10%
Uninsured Children	4%	3%
Primary Care Physicians	2610:1	1240:1
Dentists	2830:1	1330:1
Mental Health Providers	440:1	530:1
Other Primary Care Providers	1491:1	1533:1
Healthcare Costs	\$10,068	\$9,981
Preventable Hospital Stays	48	55
Mammography Screening	58%	64%
Diabetes Monitoring	84%	86%

*Data obtained from 2017 County Health Rankings*

Previously, Iroquois County greatly exceeded the state in number of preventable hospital stays but has been steadily declining, which is positive. Iroquois County also has a significantly lower hospital stay rate than Illinois as a whole.



*Graph Obtained from 2017 County Health Rankings*

## Quality of Life

The quality of life in Iroquois County is approximately the same as Illinois, with the only significant difference being Iroquois County having slightly more poor physical and mental health days. Additionally, according to the Illinois Behavioral Risk Factor Surveillance System, 18.9% of residents stated that their activities are limited by impairment and 21.4% reported having a disability.

Quality of Life	Iroquois County	Illinois
Poor or fair Health	16%	17%
Poor Physical Health Days	4	3.8
Poor Mental Health Days	3.8	3.6

*Data obtained from 2017 County Health Rankings*

## Chronic Disease and Health Behaviors

In terms of Health Behaviors, Iroquois County is very similar to, if not better than, Illinois in most categories. However, Iroquois County falls significantly behind in access to exercise opportunities and suffers from having limited access to healthy foods. Iroquois County has a lower percentage of alcohol-impaired driving deaths and sexually transmitted infections when compared to the state but has a considerably higher rate of deaths due to motor vehicle crashes and drug overdoses.

Health Behaviors	Iroquois County	Illinois
Adult Smoking	17%	16%
Adult Obesity	33%	38%
Food environment index	8	8.7
Physical inactivity	27%	27%
Access to exercise opportunities	51%	91%
Excessive drinking	19%	21%
Alcohol-impaired driving deaths	26%	33%
Sexually transmitted infections	235.5	540.4
HIV prevalence rate	62	330
Food insecurity	11%	12%
Limited access to healthy foods	8%	4%
Motor vehicle crash deaths	23	8
Drug overdose deaths	21	15

*Data obtained from 2017 County Health Rankings*

## Maternal and Child Health

Iroquois County has a slightly higher teen birth rate than Illinois. More significant is the much larger rate of child mortality.

Maternal Child Health Indicators	Iroquois County	Illinois
Teen Birth Rate (per 1,000 female population aged 15-19)	29	26
Low birth weight	7%	8%
Infant mortality	None	6
Child mortality	70	50

*Data Obtained from 2017 County Health Rankings*

## Death Injury and Violence

The various causes of death in Iroquois County are similar to those of Illinois, with heart disease and cancer topping the list with over double the number of deaths than the next leading causes of death.

Number of Deaths	2010	2011	2012	2013	2014	2015	2016
Illinois	99,624	101,291	102,433	103,409	105,296	106,879	107,041
Iroquois County	380	387	379	353	371	394	406
Causes of Death in Iroquois County	2010	2011	2012	2013	2014	2015	2016
Heart Disease	101	97	114	73	101	90	100
Cancer	85	84	85	74	84	93	89
Stroke	33	29	23	23	19	16	22
Chronic Lower Respiratory Diseases	16	27	20	26	20	25	24
Accidents	13	14	22	19	16	18	26
Alzheimer's Disease	28	31	23	26	20	23	31
Diabetes	11	16	19	12	8	14	19
Kidney Disease	16	7	5	13	6	7	8
Influenza and Pneumonia	3	8	4	0	3	8	5
Septicemia	11	10	4	5	11	7	6

*Data obtained from Illinois Vital Statistics 2010-2016*

The crime rates have all increased from 2015 to 2016 except for aggravated assault/battery.

Iroquois County	2015	2016
Total Crime Index Offense	440 (1227.6)	465 (1431.4)
Criminal Homicide	0 (0.0)	1 (3.1)
Rape	6 (16.7)	8 (24.6)
Robbery	4 (11.2)	6 (18.5)
Aggravated Assault/Battery	31 (86.5)	23 (70.8)
Burglary	105 (293.0)	106 (326.3)
Theft	278 (775/6)	298 (917.3)
Motor Vehicle Theft	14 (39.1)	20 (61.6)
Arson	2 (5.6)	3 (9.2)
<i>Rates Per 100,000 in parentheses</i>		

## Labor Statistics

Like Illinois, the number of unemployed has been declining within Iroquois County from 2013 to 2017. Additionally, Iroquois County has continuously had a lower rate of unemployment than Illinois.

Labor Force	2013	2014	2015	2016	2017
Illinois	6,549,473	6,508,356	6,507,228	6,549,991	6,492,578
Iroquois County	15,025	15,006	14,823	14,845	14,668
Employed					
Illinois	5,956,749	6,047,243	6,119,271	6,169,560	6,170,676
Iroquois County	13,756	14,049	13,985	14,040	14,014
Unemployed Number					
Illinois	592,724	461,113	387,957	380,431	321,902
Iroquois County	1,269	957	838	805	654
Unemployed Rate					
Illinois	9.0	7.1	6.0	5.8	5.0
Iroquois County	8.4	6.4	5.7	5.4	4.5

## Environmental Health

The condition of the environment in Iroquois County is similar to that of Illinois aside from having a lower percent of severe housing problems. Iroquois County has more residents driving alone to work but fewer of those residents have a long commute.

Physical Environment	Iroquois County	Illinois
Air pollution-particulate matter	10.9	10.5
Drinking water violations	None	N/A
Severe housing problems	15%	18%
Driving alone to work	80%	73%
Long-commute-driving alone	31%	40%

*Data obtained from County Health Roadmaps & Rankings*

## 2) The Community Themes and Strengths Assessment

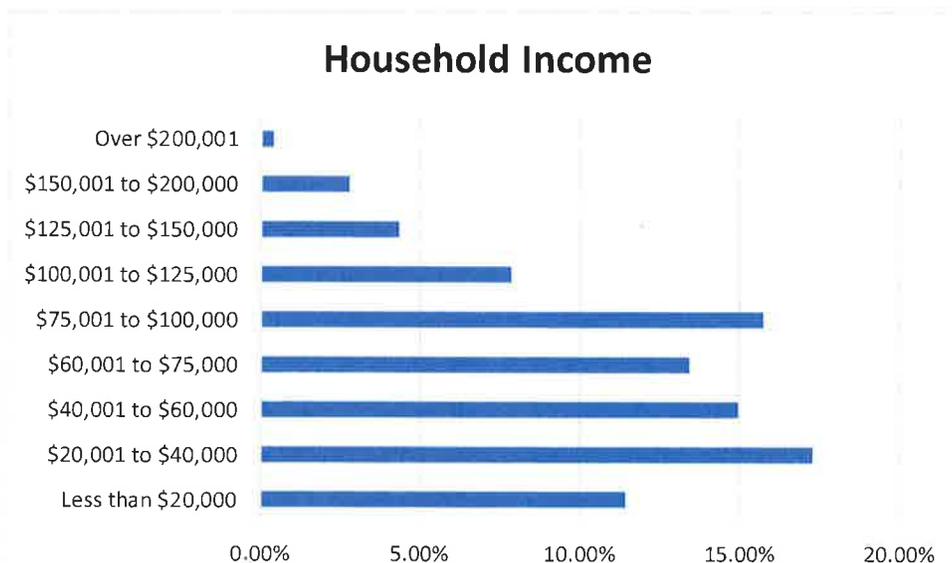
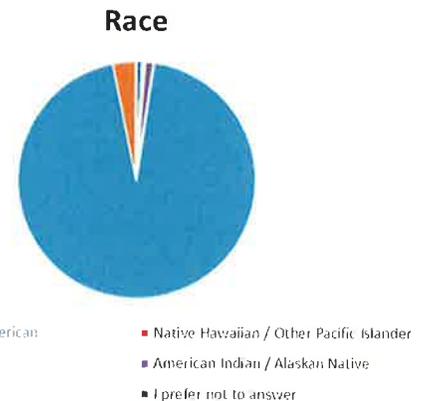
The Community Themes and Strengths Assessment (CTSA) allows us the evaluation of what is important to the community, how the residents perceive the quality of life, and what assets they feel need to be improved to enhance the community’s health.

### Methodology

The Community Needs Assessment for Iroquois County was distributed by survey to 289 adult community members and residents. Two-hundred thirty (230) surveys were completed online using SurveyMonkey.com and fifty nine (59) were completed via paper survey at the public health department or other local healthcare offices. The surveys were completed between September 2018 and November 2018. The survey was stratified by zip code, race, income and age for a 90% confidence interval.

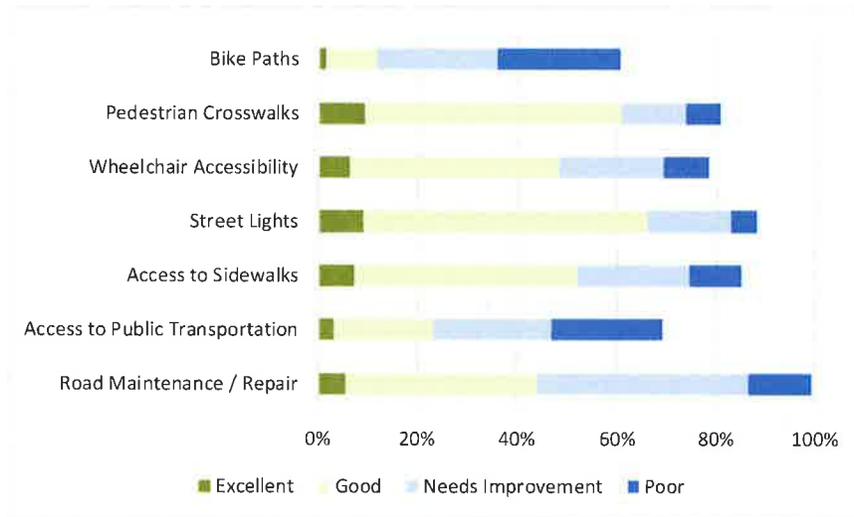
### Demographics of Survey Respondents

- Respondents were 79% female, 20% male and 1% transgender.
- Respondents were 1% Hispanic, 97% non-Hispanic, and 2% preferred not to answer.
- 83% report not qualifying for SNAP, WIC or free or reduced school lunches.
- 84% had reported having at least some college, and 58% reported having a degree.
- 22 zip codes were represented.



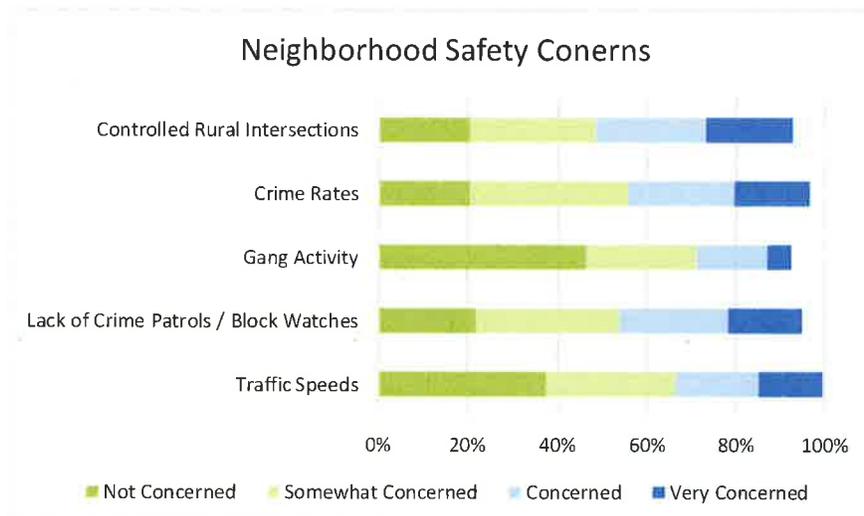
## Neighborhood Traffic and Roads

- Streetlights were ranked the best with 66% of people rating them as good or excellent.
- Access to public transportation ranked low with only 23% reporting good or excellent.
- Bike paths were viewed as the lowest concern with over 50% reporting need improvement or poor.



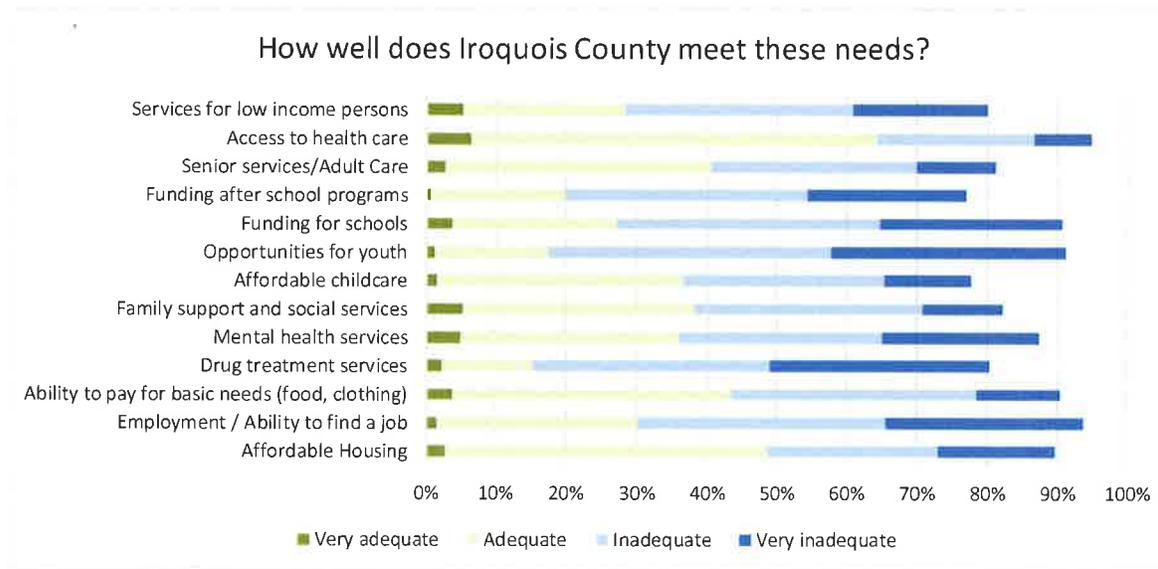
## Neighborhood Safety Concerns

- Controlled rural intersections were of the most concern with 46% of respondents reporting concerned or very concerned.
- Gang activity was ranked as the least concerning with 60% of respondents reporting not concerned or somewhat concerned.



## Community Resources

- Iroquois County’s greatest strengths were seen in the access to health care, affordable housing, and senior services/adult care with the majority of people reporting very adequate or adequate.
- Opportunities for youth, drug treatment services, and funding for after school programs showed the greatest need for improvement.

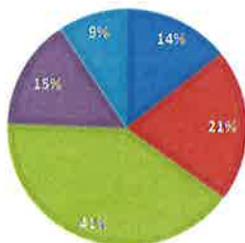


## Health Behaviors

- 100% reported never having used illegal drugs.
- 80% reported never having used tobacco of any kind, while 15% reported using tobacco products every day.
- 68% reported never consuming more than 4 alcoholic drinks in one day.
- Over 50% reported eating fast food less than 1 day per week.

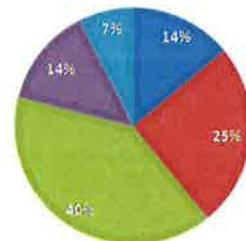
### I EAT AT LEAST 5 SERVINGS OF FRUITS AND VEGETABLES

■ Never ■ Less than once a week ■ 1-3 days a week ■ 4-6 days a week ■ Every Day



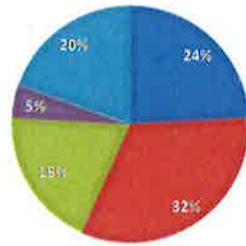
### HOW MANY DAYS DO YOU EXERCISE AT LEAST 30 MINUTES?

■ Never ■ Less than once a week ■ 1-3 days a week ■ 4-6 days a week ■ Every Day



### I DRINK MORE THAN ONE SURGARY DRINK A DAY

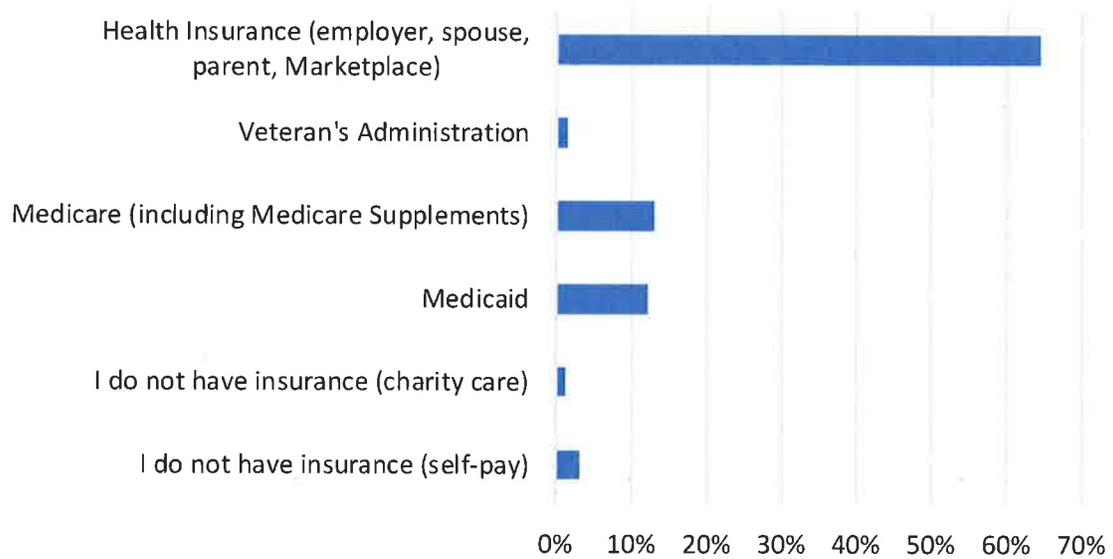
■ Never ■ Less than once a week ■ 1-3 days a week ■ 4-6 days a week ■ Every Day



## Health Care

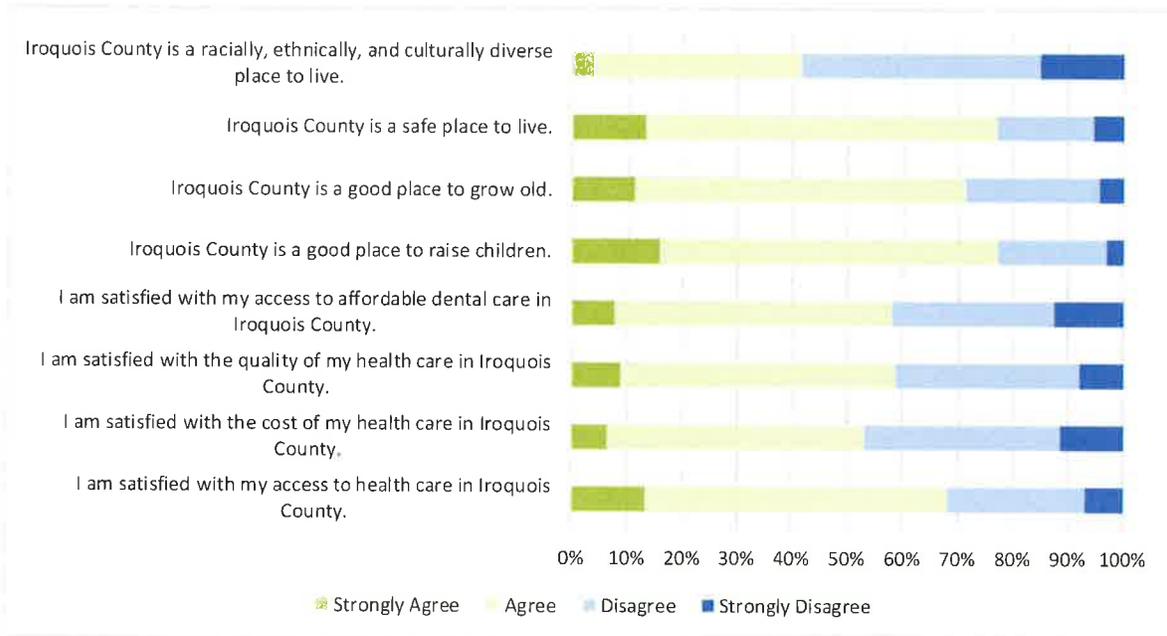
- 16.54% report having no primary care physician.
- 72.05% of respondents reporting have seen a doctor within the past year, while 5.91% report that it has been over 5 years.
- 37.40% of respondents report not seeing a dentist regularly.
- Only 56.69% of respondents have seen a dentist within the past year, while 14.96% report not having seen a dentist in more than 5 years.

### How do you pay for your health care?



## Personal Satisfaction

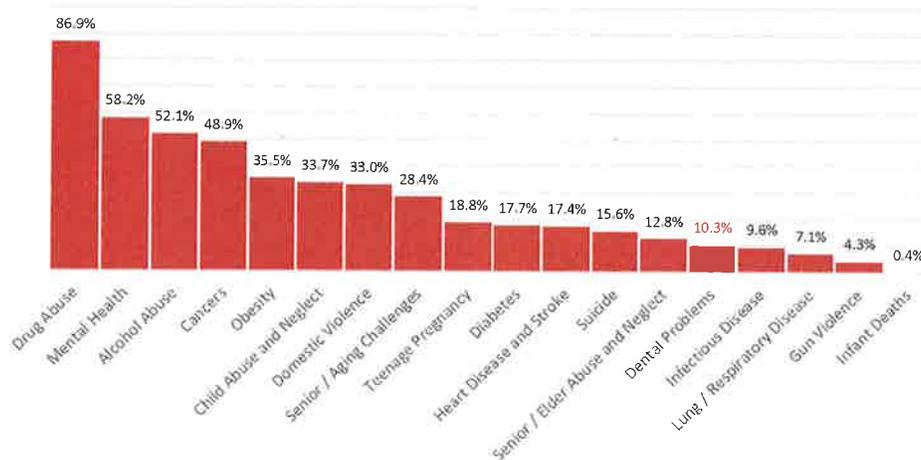
- 76.90% strongly agree or agree that Iroquois County is a safe place to live.
- 77.27% strongly agree or agree that Iroquois County is a good place to raise children.
- 58.33% disagree or strongly disagree that Iroquois County is a diverse place to live.
- 46.97% are not satisfied with the cost of health care in Iroquois County.



## Community Health Concerns Top Health Priorities

- Respondents were given a list of the top health concerns in the United States and asked to choose their top 5 as related to the health of Iroquois County.
- Overall, the top five selected were **drug abuse (86.9%), mental health (58.2%), alcohol abuse (52.1%), cancers (48.9%) and obesity (35.5%)**.
- The bottom five selected were dental problems (10.3%), infectious disease (9.6%), lung/respiratory disease (7.1%), gun violence (4.3%) and infant deaths (0.4%).

## Top Reported Health Issues



### 3) Local Public Health System Assessment

The Local Public Health System Assessment allows organizations, agencies, and institutions within the local public health system of Iroquois County to assess how they contribute to the delivery of public health services and understand the existing infrastructure of the county.

This assessment also identifies potential gaps, barriers or challenges to delivering public health services in Iroquois County. It is important to note that the local public health system is comprised of numerous entities including but not limited to the local public health department, medical centers, government agencies, schools, local businesses, and non-profit organizations.

This assessment is constructed using the CDC's Ten Essential Services as a framework and was created by the National Public Health Performance Standards Program guidelines. In October 2018, a representative sample of 43 community leaders of Iroquois County were assembled to complete this assessment. They were asked to assess how the local public health system meets the Ten Essential Services using the following scale:

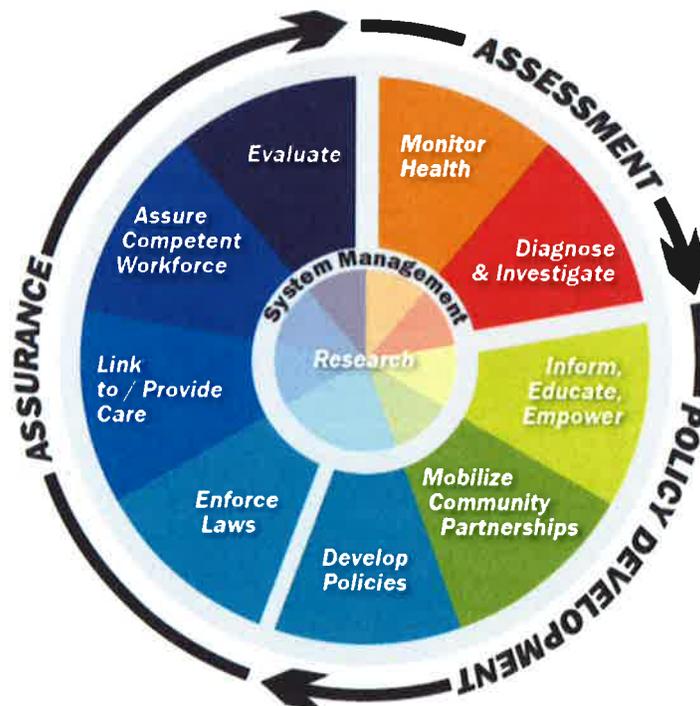
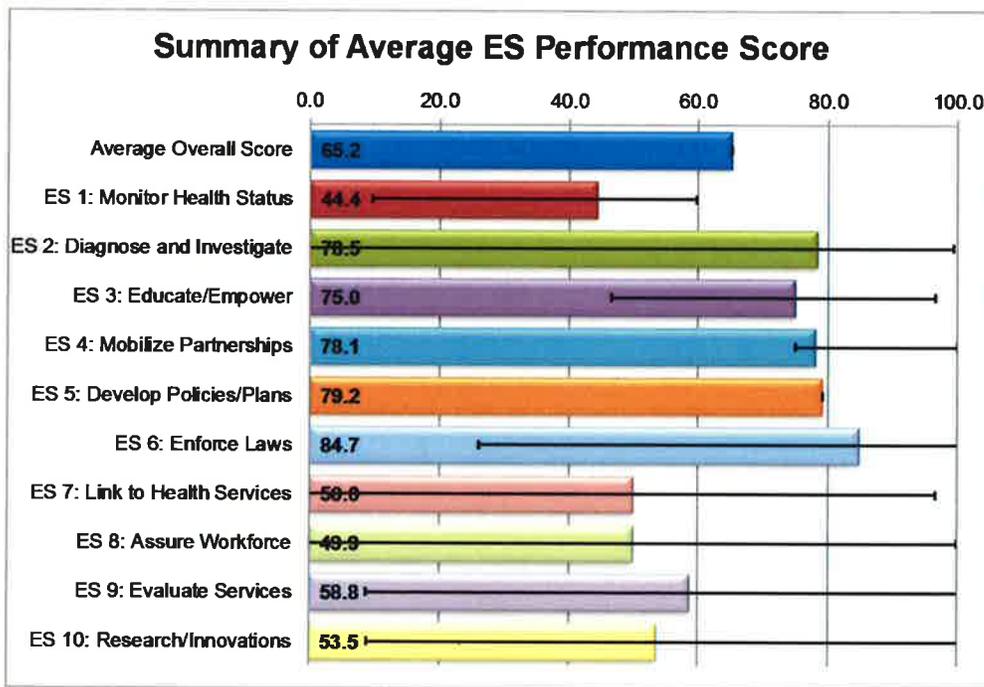
**Table 1. Summary of Assessment Response Options**

<b>Optimal Activity (76-100%)</b>	Greater than 75% of the activity described within the question is met.
<b>Significant Activity (51-75%)</b>	Greater than 50%, but no more than 75% of the activity described within the question is met.
<b>Moderate Activity (26-50%)</b>	Greater than 25%, but no more than 50% of the activity described within the question is met.
<b>Minimal Activity (1-25%)</b>	Greater than zero, but no more than 25% of the activity described within the question is met.
<b>No Activity (0%)</b>	0% or absolutely no activity.

The results were compiled and scored according to the National Public Health Performance Standards Program guidelines. The table below summarizes these findings for each of the ten essential services.

Model Standards by Essential Services	Performance Scores
<b>ES 1: Monitor Health Status</b>	<b>44.4</b>
1.1 Community Health Assessment	50.0
1.2 Current Technology	33.3
1.3 Registries	50.0
<b>ES 2: Diagnose and Investigate</b>	<b>78.5</b>
2.1 Identification/Surveillance	66.7
2.2 Emergency Response	75.0
2.3 Laboratories	93.8
<b>ES 3: Educate/Empower</b>	<b>75.0</b>
3.1 Health Education/Promotion	75.0
3.2 Health Communication	75.0
3.3 Risk Communication	75.0
<b>ES 4: Mobilize Partnerships</b>	<b>78.1</b>
4.1 Constituency Development	81.3
4.2 Community Partnerships	75.0
<b>ES 5: Develop Policies/Plans</b>	<b>79.2</b>
5.1 Governmental Presence	50.0
5.2 Policy Development	91.7
5.3 CHIP/Strategic Planning	75.0
5.4 Emergency Plan	100.0
<b>ES 6: Enforce Laws</b>	<b>84.7</b>
6.1 Review Laws	87.5
6.2 Improve Laws	66.7
6.3 Enforce Laws	100.0
<b>ES 7: Link to Health Services</b>	<b>50.0</b>
7.1 Personal Health Service Needs	50.0
7.2 Assure Linkage	50.0
<b>ES 8: Assure Workforce</b>	<b>49.9</b>
8.1 Workforce Assessment	41.7
8.2 Workforce Standards	66.7
8.3 Continuing Education	60.0
8.4 Leadership Development	31.3
<b>ES 9: Evaluate Services</b>	<b>58.8</b>
9.1 Evaluation of Population Health	56.3
9.2 Evaluation of Personal Health	45.0
9.3 Evaluation of LPHS	75.0
<b>ES 10: Research/Innovations</b>	<b>53.5</b>
10.1 Foster Innovation	100.0
10.2 Academic Linkages	41.7
10.3 Research Capacity	18.8
<b>Average Overall Score</b>	<b>65.2</b>
<b>Median Score</b>	<b>66.9</b>

The graph below shows the average scores for each of the Ten Essential Services. The overall score was 65.2%. The strengths of Iroquois County’s local public health system lies in their ability to diagnose and investigate (ES 2) and enforce laws (ES 6). There is room for improvement in the monitoring of health status (ES 1), linking to health service (ES 7), and assuring the workforce (ES 8).



## 4) Forces of Change Assessment

The Forces of Change assessment is used to evaluate what is occurring or what might occur that impacts the health of the community and what threats and/or opportunities are generated by these occurrences. Eight surveys were collected from community members online via SurveyMonkey.com or via paper in October 2018.

### Key Findings:

- **Social**
  - Drug Use
    - Threat: extensive drug use within Iroquois County
  - Community Resources
    - Threat: lack of obstetrical services at local hospital
    - Threat: lack of general healthcare resources (primary care, dental, vision)
  - Reporting
    - Threat: lack of sexual abuse and domestic violence reporting;
      - Opportunity: raising awareness within community to create open lines of communication
- **Economic**
  - Lack of job availability
    - Threat: Limited jobs available for community members without degrees;
      - Opportunity: increase access to higher education through partnerships with community colleges in other counties
    - Threat: General lack of employment available due to companies leaving the county
  - Housing
    - Threat: Lack of low-income, subsidized housing
- **Political**
- **Technological**
  - Internet
    - Threat: lack of internet service providers in the county
    - Threat: general lack of access to computers and internet services

- **Environmental**

- Flooding
  - Threat: extensive flooding throughout county
  - Threat: homelessness and hardship caused by flooding
- Transportation
  - Threat: lack of transportation services,
    - Opportunity: chance to access more jobs through creating more transportation options

- **Scientific**

- **Legal**

- Public Defender Services
  - Threat: inability of public defender legal services to handle all types of legal issues

- **Ethical**

- Drug Testing
  - Threat: lack of drug testing during hiring processes creates unreliable work force

## Priority Health Issues

Strong, effective partnerships are necessary for the community to create the conditions that will lead to improving the health and well-being of Iroquois County residents and the community.

Community partners within Iroquois County met and were presented with the findings from the MAPP assessments which prepared them to choose the top three health priorities.

These are not ranked in any order or preference.

Priority	Areas to Address
Substance Abuse	Treatment access, support groups and resources
Mental/Behavioral Health	Access, prevention, resources and stigma
Healthy Lifestyle Promotion	Education, promotion, and resources

### Substance Abuse

Drug and alcohol abuse were ranked among the top 3 health priorities during the Community Themes and Strengths Assessment. Additionally, according to the 2018 County Health Rankings report, the rate of drug overdoses is 21 per 100,000, significantly higher than the Illinois' rate of 15 per 100,000. Iroquois County also has a reported rate of 19% of adults' excessively using alcohol and 26% of driving deaths due to alcohol impairment. Lastly, there is currently no treatment for substance abuse within Iroquois County aside from support groups and other mental health services.

Both Iroquois County residents and supporting data confirm that substance abuse, specifically prevention and treatment programs, continues to be a major concern for Iroquois County.

- **Goal 1:** By 2024, reduce the drug overdose rate within Iroquois County by 10%.
  - **Objective 1:** Promote access to medicated assisted treatment (MAT) facilities in surrounding counties
    - **Strategy 1:** Assist in the utilization of the transportation network to enable residents to access treatment options in surrounding counties utilizing established rural public transportation, Show Bus.

- **Objective 2:** Promote access and use of Narcan.
  - **Strategy 2:** Provide Narcan and educational information about Narcan to first responders and community residents.
- **Baseline:** 21 drug overdoses per 100,000 people via CountyHealthRankings.org
- **Lead Organizations:** ICPHD and IMHC in conjunction with Show Bus.
- **Goal 2:** By 2024, increase drug prevention programs in Iroquois County by 10%.
  - **Objective:** Expand drug prevention programs within Iroquois County Schools from 6<sup>th</sup> to 12<sup>th</sup> grade.
    - **Strategy:** Partner with I-KAN to expand drug prevention programs within Iroquois County to provide promotional support and extra resources as needed.
  - **Baseline:** 5 prevention programs currently offered through I-KAN Regional Office of Education: Pledge for Life (I-KAN)
  - **Lead Organization:** I-KAN Regional Office of Education: Pledge for Life (I-KAN)

### **Substance Abuse Intervention Strategies**

ICPHD will work with Show Bus to help residents gain access to transportation to medicated assisted treatment facilities in surrounding counties. ICPHD will help residents explore funding options to cover this cost.

ICPHD will provide Narcan, Narcan usage training, and drug overdose education at no cost to first responders and community members on an as needed basis.

ICPHD will aid I-KAN in increasing drug prevention programs by promoting their programs, providing funding when possible and providing additional resources if needed. These programs will be offered to all school-aged children who attend public schools within Iroquois County at no cost to the recipient school.

These goals, objectives and strategies are fluid and will be reassessed regularly. Changes and updates will be made as needed to best serve the community.

## Mental/Behavioral Health

Mental health was chosen as the second highest priority by community members in the Community Themes and Strengths Assessments. Although the ratio of mental health providers to residents is better within Iroquois County as compared to the state of Illinois, community members addressed a concern of stigma against using these resources (CountyHealthRankings.org, 2018). Therefore, it was chosen as a top priority for Iroquois County with the main focus being on strengthening available services and reducing stigma.

- **Goal 1:** Improve behavioral health for all residents by expanding access to prevention, intervention, and treatment services.
  - **Objective 1:** Increase referrals to services at Iroquois Mental Health Center (IMHC) by 5%.
    - **Strategy 1.1:** Create referral system within ICPHD
    - **Strategy 1.2:** Increase pre/post natal depression screenings among clients who utilize other services at ICPHD
    - **Strategy 1.3:** Create and provide additional informational materials on mental health services in Iroquois County to all ICPHD clients.
  - **Baseline:** System needs to be developed, log of referrals given will be kept at ICPHD
  - **Lead Organization:** ICPHD

### Mental/Behavioral Health Intervention Strategies

ICPHD will develop information and training for employees to address the topic of mental health, to provide a referral, and how to log the referral for record retention. Additionally, ICPHD will create an information sheet for those being referred about available services in the community. This information and materials will be provided at no cost to the recipient.

These goals, objectives and strategies are fluid and will be reassessed regularly. Changes and updates will be made as needed to best serve the community.

## Healthy Lifestyle Promotion

Although obesity or chronic diseases were not ranked in the top three priorities of the Community Themes and Strengths Assessment, a healthy lifestyle promotion could address many of the risk factors for the top three survey priorities (drug abuse, mental health and alcohol abuse) as well as the top causes of death (heart disease, stroke, diabetes, etc) within Iroquois County . ICPHD would like to focus on both child and adult health by offering programs tailored to each audience. Given this information it was decided to address this issue through various health education programs delivered to both children and adults of Iroquois County.

- **Goal:** By 2024, reduce obesity and chronic disease rates in children and adults to enhance quality of life by promoting healthy lifestyle choices
  - **Objective 1:** provide at least 6 health education programs within Iroquois County each year.
    - **Strategy 1:** Provide at least 1 child health education program within in each public school in Iroquois County per year utilizing Whole School, Whole Community, Whole Child (WSCC) program from Center for Disease Control and Prevention to implement program (<https://www.cdc.gov/healthyschools/wsc/index.htm>).
    - **Baseline:** Currently, ICPHD provides numerous programs within 2 different schools.
    - **Lead Organization:** ICPHD
  - **Objective 2:** Provide at least 1 adult health education program per year for one of the following chronic diseases: Cardiovascular Disease, Diabetes, Arthritis, and Human Papilloma Virus for a total of 4 programs per year.
    - **Strategy 1:** Utilize programs offered from American Heart Association, Diabetes Self-Management Program, Active Living Every Day program and HPV Education Module by Darrin Clutteur to address these chronic diseases.
    - **Baseline:** 1 program is currently offered by ICPHD
    - **Lead Organization:** ICPHD

### **Healthy Lifestyle Promotion Intervention Strategies**

ICPHD will continue to offer health education programs within two schools and plans to expand to all schools within Iroquois County. These programs will cover a variety of topics including sexual health, dental health, nutrition and physical activity. These programs will be offered to all school-aged children enrolled in Iroquois County public schools at no cost to the participating schools. ICPHD will utilize evidence-based programs from the American Heart Association, Diabetes Self-Management Program, Active Living Everyday program and HPV Education Module by Darrin Clutter to educate the community on prevention and management strategies for some of the most common chronic disease in Iroquois County. These programs will be offered routinely throughout the year and at no cost to the participant.

These goals, objectives and strategies are flexible and will be reassessed regularly. Changes and adaptations will be made as needed to best serve the community.

## References:

Centers for Disease Control and Prevention (2018), Retrieved from <https://data.cdc.gov/>

County Health Rankings & Roadmaps (2018), Retrieved from <http://www.countyhealthrankings.org/app/illinois/2018/rankings/iroquois/county/outcomes/overall/snapshot>

Illinois Department of Healthcare and Family Services (2018). Retrieved from <https://www.illinois.gov/hfs/info/factsfigures/Program%20Enrollment/Pages/iroquois.aspx>

Illinois Department of Public Health: Illinois Behavioral Risk Factor Surveillance System (2018). Retrieved from <http://www.idph.state.il.us/brfss/>

Illinois Department of Public Health Vital Statistics (2010-2016). Retrieved from <http://www.dph.illinois.gov/data-statistics/vital-statistics/death-statistics/more-statistics>

Illinois State Police Crime Reports (2018), Retrieved from <http://www.isp.state.il.us/crime/ucrhome.cfm>

United States Census Bureau (2018), Retrieved from <https://www.census.gov/data.html>

# Appendix 1: Community Themes and Strengths Assessment

## Iroquois County Community Needs Assessment Survey

The following survey will only take a few minutes to complete. Your input is important and will be used by the Iroquois County Public Health Department and our community partners to assist in identifying and meeting the needs of our community. All information will be kept confidential and your name is not required on the questionnaire.

**THANK YOU FOR YOUR TIME!**

**NEIGHBORHOOD TRAFFIC AND ROADS:** For each of the following categories, please indicate the level to which your neighborhood meets these needs.

	Needs				
	Excellent	Good	Improvement	Poor	N/A
Road maintenance / repair	<input type="checkbox"/>				
Access to public transportation	<input type="checkbox"/>				
Access to sidewalks	<input type="checkbox"/>				
Wheelchair accessibility	<input type="checkbox"/>				
Pedestrian crosswalks	<input type="checkbox"/>				
Bike paths	<input type="checkbox"/>				
Other (please specify) _____					

**SAFETY CONCERNS:** For each of the following categories, please indicate your level of concern as it pertains to your neighborhood.

	Not Concerned	Somewhat Concerned	Concerned	Very Concerned	N/A
Traffic speeds	<input type="checkbox"/>				
Lack of crime patrols/Block watches	<input type="checkbox"/>				
Gang activity	<input type="checkbox"/>				
Crime rates	<input type="checkbox"/>				
Controlled rural intersections	<input type="checkbox"/>				
Other (please specify) _____					

**HEALTH ISSUES (Medical, Dental, Mental Health):** The following is a list of the top reported health issues within the United States. Please select the **five (5) issues** you feel are most prevalent in Iroquois County. **SELECT ONLY 5.**

Alcohol use	<input type="checkbox"/>	Lung/Respiratory disease	<input type="checkbox"/>	Mental health	<input type="checkbox"/>
Cancer	<input type="checkbox"/>	Gun Violence	<input type="checkbox"/>	Obesity	<input type="checkbox"/>
Child abuse & neglect	<input type="checkbox"/>	Heart disease & stroke	<input type="checkbox"/>	Senior/Aging challenges	<input type="checkbox"/>
Dental problems	<input type="checkbox"/>	Infant deaths	<input type="checkbox"/>	Senior/Elder abuse & neglect	<input type="checkbox"/>
Diabetes	<input type="checkbox"/>	Infectious diseases	<input type="checkbox"/>	Suicide	<input type="checkbox"/>
Domestic violence	<input type="checkbox"/>	(HIV/AIDS, STDs, West Nile Virus)		Teenage pregnancy	<input type="checkbox"/>
Drug Use	<input type="checkbox"/>			Other _____	<input type="checkbox"/>

**COMMUNITY RESOURCES:** For each of the following categories, please indicate the level to which Iroquois County meets these needs.

	Very Adequate	Adequate	Inadequate	Very Inadequate	Don't Know
Affordable housing	<input type="checkbox"/>				
Employment / ability to find jobs	<input type="checkbox"/>				
Ability to pay for basic needs (food, clothing, etc.)	<input type="checkbox"/>				
Drug treatment services	<input type="checkbox"/>				
Mental health services	<input type="checkbox"/>				
Family support services	<input type="checkbox"/>				
Affordable childcare	<input type="checkbox"/>				
Opportunities for youth	<input type="checkbox"/>				
Funding for schools	<input type="checkbox"/>				
Funding for after school programs	<input type="checkbox"/>				
Senior services / adult care	<input type="checkbox"/>				
Access to health care	<input type="checkbox"/>				
Services for low income persons	<input type="checkbox"/>				
Other (please specify) _____					

**PERSONAL HEALTH:** For each of the following questions or statements, please indicate how often you engage in these activities per week.

	Never	Less than once a week	1-3 days a week	4-6 days a week	Every day
How many days do you exercise for at least 30 minutes?	<input type="checkbox"/>				
I eat at least 5 servings of fruits and vegetables a day.	<input type="checkbox"/>				
How many days do you eat fast food?	<input type="checkbox"/>				
I drink more than 1 sugary drink a day (soda, sweet tea, etc.)	<input type="checkbox"/>				
I smoke, chew tobacco, or use e-cigarettes.	<input type="checkbox"/>				
How many days do you drink more than 4 alcoholic drinks?	<input type="checkbox"/>				
I use illegal drugs.	<input type="checkbox"/>				

**PERSONAL SATISFACTION:** For each of the following statements, please indicate the level to which you agree or disagree that Iroquois County meets these needs.

	Strongly Agree	Agree	Disagree	Strongly Disagree
I am satisfied with my access to health care in Iroquois County.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am satisfied with the cost of my health care in Iroquois County.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am satisfied with the quality of my health care in Iroquois County.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am satisfied with my access to affordable dental care in Iroquois County.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iroquois County is a good place to raise children.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iroquois County is a good place to grow old.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iroquois County is a good place to live.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iroquois is a racially, ethnically, and culturally diverse place to live.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WHAT ZIP CODE DO YOU LIVE IN?** \_\_\_\_\_

**GENDER:**  Male  Female  Transgender  Other  
If other, please specify \_\_\_\_\_

**INCLUDING YOURSELF, HOW MANY PEOPLE LIVE IN YOUR HOUSEHOLD?**  1  2  3  4  5+

**AGE:**  17 & Under  18-24  25-34  35-44  
 45-54  55-64  65 & Older  I prefer not to answer

**WHAT IS YOUR RACE?** (Please select all that apply)

- Black/African American
- White
- American Indian/Alaskan Native
- Asian
- Native Hawaiian/Other Pacific Islander
- I prefer not to answer
- Other (please specify) \_\_\_\_\_

**ARE YOU HISPANIC, LATINO, OR SPANISH ORIGIN?**

- Yes  No  I prefer not to answer

**DO YOU HAVE A PRIMARY CARE PHYSICIAN?**  Yes  No

If yes, what clinic/hospital does your primary care physician practice within? \_\_\_\_\_

**HOW LONG HAS IT BEEN SINCE YOU HAD A ROUTINE CHECK-UP AT A DOCTOR'S OFFICE?**

- Within the past year
- More than 1 yr., less than 2 yrs.
- More than 2 yrs., less than 5 yrs.
- More than 5 yrs.
- I prefer not to answer

**DO YOU SEE A DENTIST REGULARLY?**  Yes  No

**WHERE DO YOU GO FOR DENTAL SERVICES?**

- Private Dentist  Emergency Room
- I do not go to the dentist  I prefer not to answer
- Other (specify) \_\_\_\_\_

**HOUSEHOLD INCOME:** (Please select one)

- Less than \$20,000  \$100,001 - \$125,000
- \$20,001 - \$40,000  \$125,001 - \$150,000
- \$40,001 - \$60,000  \$150,001 - \$200,000
- \$60,001 - \$75,000  Over \$200,001
- \$75,001 - \$100,000  I prefer not to answer

**DO YOU QUALIFY FOR ANY OF THE FOLLOWING PROGRAMS?**

(Please select all that apply)

- SNAP/Food Stamps
- WIC
- Free or reduced school lunch
- None
- Other (please specify) \_\_\_\_\_

**EDUCATION:** (Highest level)

- Less than high school diploma  Master's degree
- High school diploma/GED  Doctorate
- Some college, no degree  Professional degree (e.g. MD, DDS, DVM)
- Associate's degree  I prefer not to answer
- Bachelor's degree
- Other (please specify) \_\_\_\_\_

**HOW DO YOU PAY FOR HEALTH CARE?**

- No insurance (self pay)  Medicare
- No insurance (charity care)  Medicaid
- Health Insurance (employer, spouse, parent, Marketplace)
- Medicare (including Medicare Supplements)
- Medicaid
- I prefer not to answer
- Other (please specify) \_\_\_\_\_

**HOW LONG HAS IT BEEN SINCE YOU HAVE SEEN A DENTIST?**

- Within the past year
- More than a year but less than 2 years
- More than 2 years but less than 5 years
- More than 5 years
- I prefer not to answer

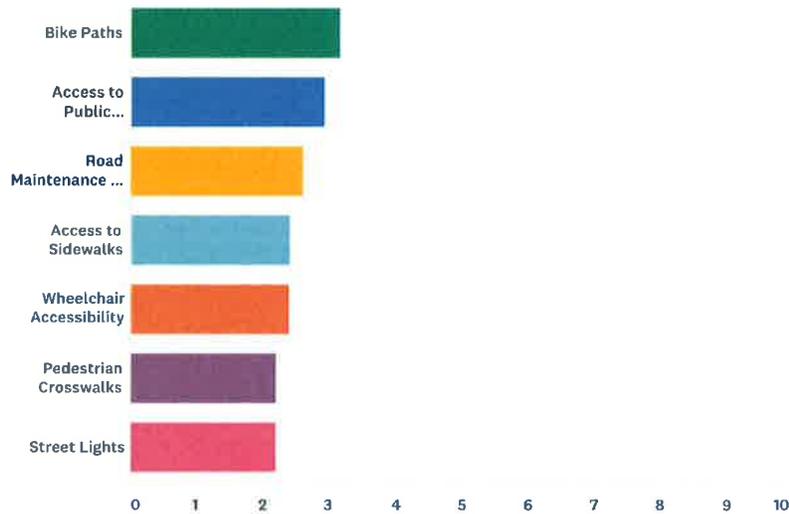
# Appendix 2: Community Themes and Strengths Assessment Results

Community Assessment Survey-Iroquois County

SurveyMonkey

**Q1 Neighborhood Traffic and Roads: For each of the following categories, please indicate the level to which your neighborhood meets these needs.**

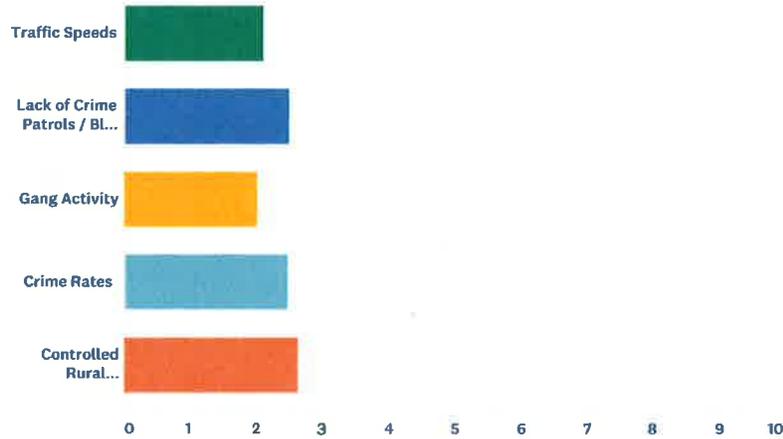
Answered: 289 Skipped: 0



	EXCELLENT	GOOD	NEEDS IMPROVEMENT	POOR	TOTAL	WEIGHTED AVERAGE
Bike Paths	2.30% 4	17.24% 30	40.23% 70	40.23% 70	174	3.18
Access to Public Transportation	4.52% 9	29.15% 58	34.17% 68	32.16% 64	199	2.94
Road Maintenance / Repair	5.57% 16	38.68% 111	42.86% 123	12.89% 37	287	2.63
Access to Sidewalks	8.61% 21	52.46% 128	26.64% 65	12.30% 30	244	2.43
Wheelchair Accessibility	7.96% 18	53.54% 121	26.99% 61	11.50% 26	226	2.42
Pedestrian Crosswalks	11.59% 27	63.52% 148	16.31% 38	8.58% 20	233	2.22
Street Lights	10.24% 26	64.57% 164	19.29% 49	5.91% 15	254	2.21

**Q2 Neighborhood Safety Concerns: For each of the following categories, please indicate your level of concern as it pertains to your neighborhood**

Answered: 288 Skipped: 1



	<b>NOT CONCERNED</b>	<b>SOMEWHAT CONCERNED</b>	<b>CONCERNED</b>	<b>VERY CONCERNED</b>	<b>N/A</b>	<b>TOTAL</b>	<b>WEIGHTED AVERAGE</b>
Traffic Speeds	37.50% 108	28.82% 83	18.75% 54	14.24% 41	0.69% 2	288	2.12
Lack of Crime Patrols / Block Watches	21.88% 63	31.94% 92	24.31% 70	16.67% 48	5.21% 15	288	2.51
Gang Activity	46.34% 133	24.74% 71	16.03% 46	5.23% 15	7.67% 22	287	2.03
Crime Rates	20.49% 59	35.07% 101	23.96% 69	17.01% 49	3.47% 10	288	2.48
Controlled Rural Intersections	20.35% 58	28.07% 80	24.56% 70	19.65% 56	7.37% 21	285	2.66

Community Assessment Survey-Iroquois County

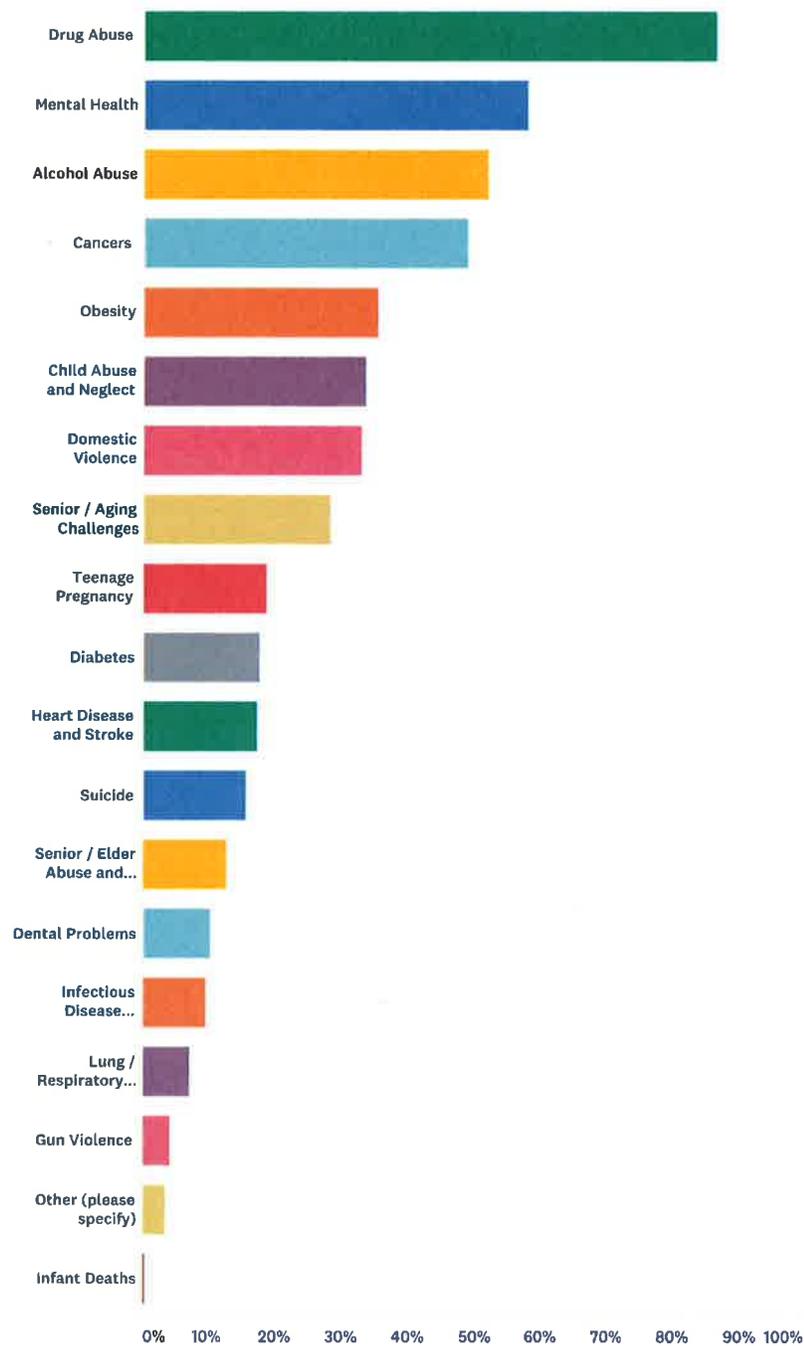
SurveyMonkey

**Q3 The following is a list of the top reported health issues within the United States. Please select the five (5) issues you feel are most prevalent in Iroquois County. Select only 5**

Answered: 282 Skipped: 7

Community Assessment Survey-Iroquois County

SurveyMonkey



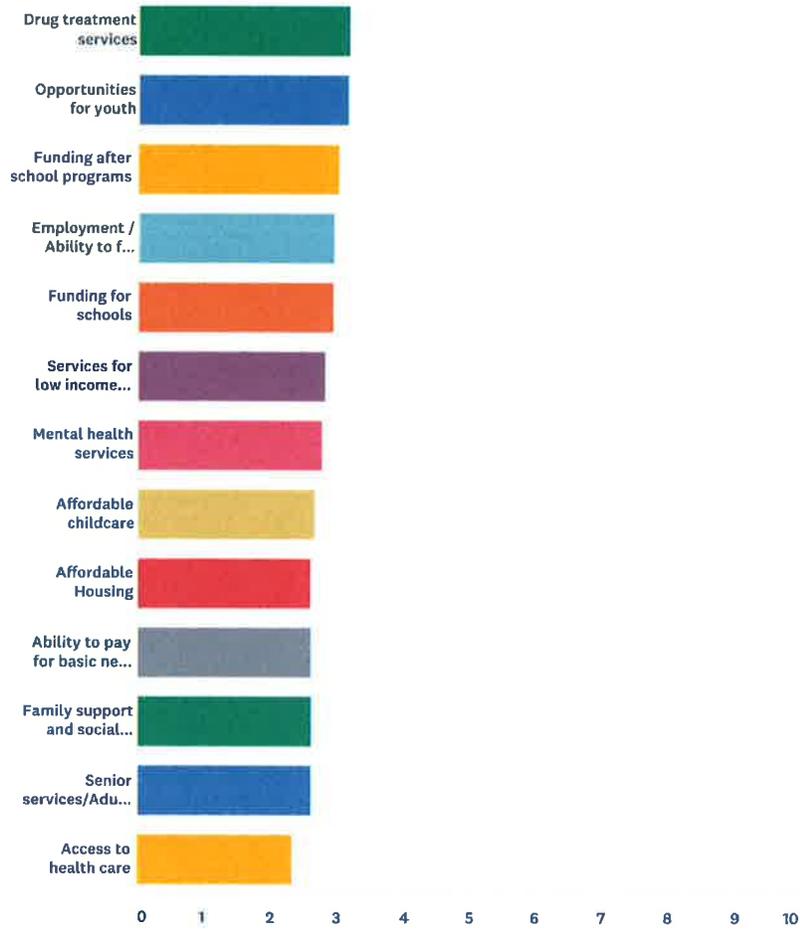
ANSWER CHOICES

RESPONSES

Community Assessment Survey-Iroquois County		SurveyMonkey
Drug Abuse	86.88%	245
Mental Health	58.16%	164
Alcohol Abuse	52.13%	147
Cancers	48.94%	138
Obesity	35.46%	100
Child Abuse and Neglect	33.69%	95
Domestic Violence	32.98%	93
Senior / Aging Challenges	28.37%	80
Teenage Pregnancy	18.79%	53
Diabetes	17.73%	50
Heart Disease and Stroke	17.38%	49
Suicide	15.60%	44
Senior / Elder Abuse and Neglect	12.77%	36
Dental Problems	10.28%	29
Infectious Disease (HIV/AIDS, STDs, West Nile Virus)	9.57%	27
Lung / Respiratory Disease	7.09%	20
Gun Violence	4.26%	12
Other (please specify)	3.55%	10
Infant Deaths	0.35%	1
<b>Total Respondents: 282</b>		

**Q4 For each of the following categories, please indicate the level to which Iroquois County meets these needs**

Answered: 270 Skipped: 19

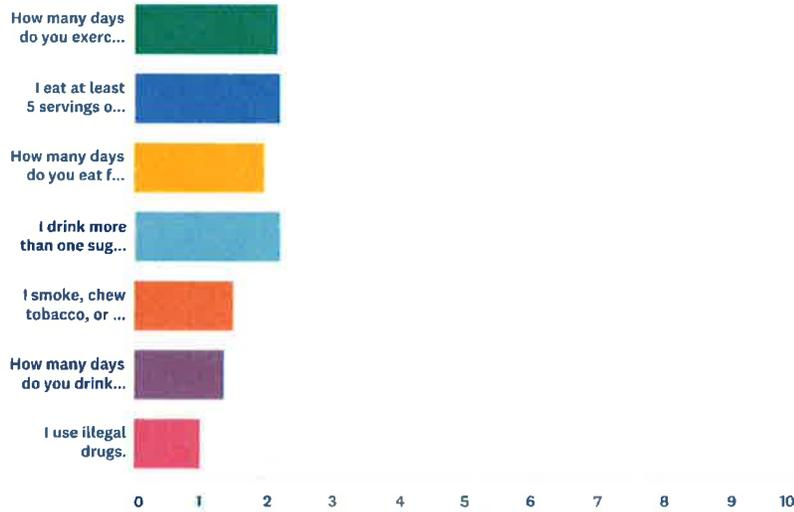


	VERY ADEQUATE	ADEQUATE	INADEQUATE	VERY INADEQUATE	TOTAL	WEIGHTED AVERAGE
Drug treatment services	2.76% 6	16.13% 35	41.94% 91	39.17% 85	217	3.18
Opportunities for youth	1.22% 3	17.89% 44	44.31% 109	36.59% 90	246	3.16
Funding after school programs	0.96% 2	24.52% 51	45.19% 94	29.33% 61	208	3.03

Community Assessment Survey-Iroquois County					SurveyMonkey	
Employment / Ability to find a job	1.58%	30.43%	37.94%	30.04%		
	4	77	96	76	253	2.96
Funding for schools	4.08%	25.71%	41.63%	28.57%		
	10	63	102	70	245	2.95
Services for low income persons	6.51%	28.84%	40.93%	23.72%		
	14	62	88	51	215	2.82
Mental health services	5.51%	35.59%	33.47%	25.42%		
	13	84	79	60	236	2.79
Affordable childcare	1.91%	44.98%	37.32%	15.79%		
	4	94	78	33	209	2.67
Affordable Housing	2.89%	51.24%	27.27%	18.60%		
	7	124	66	45	242	2.62
Ability to pay for basic needs (food, clothing)	4.10%	43.85%	38.93%	13.11%		
	10	107	95	32	244	2.61
Family support and social services	6.31%	40.09%	39.64%	13.96%		
	14	89	88	31	222	2.61
Senior services/Adult Care	3.20%	46.58%	36.53%	13.70%		
	7	102	80	30	219	2.61
Access to health care	6.67%	61.18%	23.53%	8.63%		
	17	156	60	22	255	2.34

**Q5 For each of the following questions or statements, please indicate how often you engage in these activities per week.**

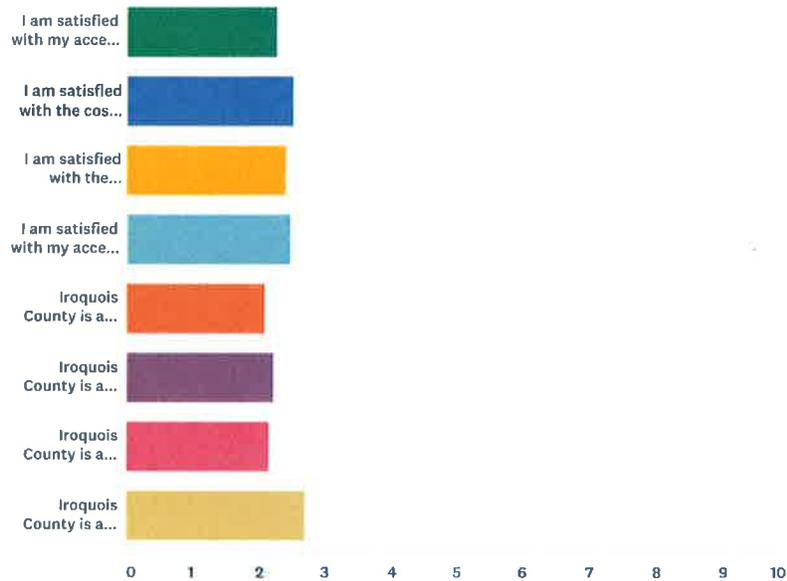
Answered: 266 Skipped: 23



	NEVER	LESS THAN ONCE A WEEK	1-3 DAYS A WEEK	4-6 DAYS A WEEK	EVERY DAY	TOTAL	WEIGHTED AVERAGE
How many days do you exercise for at least 30 minutes?	13.91% 37	25.19% 67	39.85% 106	13.53% 36	7.52% 20	266	2.15
I eat at least 5 servings of fruits and vegetables a day.	14.29% 38	20.68% 55	40.60% 108	15.04% 40	9.40% 25	266	2.20
How many days do you eat fast foods?	7.58% 20	50.38% 133	37.50% 99	4.17% 11	0.38% 1	264	1.97
I drink more than one sugary drink a day (soda, sweet tea, fruit juice).	24.15% 64	32.45% 86	19.25% 51	4.53% 12	19.62% 52	265	2.20
I smoke, chew tobacco, or use E-cigarettes.	80.75% 214	0.75% 2	2.26% 6	1.13% 3	15.09% 40	265	1.51
How many days do you drink more than 4 alcoholic drinks?	68.05% 181	20.68% 55	9.40% 25	0.75% 2	1.13% 3	266	1.35
I use illegal drugs.	100.00% 266	0.00% 0	0.00% 0	0.00% 0	0.00% 0	266	1.00

**Q6 For each of the following statements, please indicate the level to which you agree or disagree that Iroquois County meets these needs.**

Answered: 264 Skipped: 25



	<b>STRONGLY AGREE</b>	<b>AGREE</b>	<b>DISAGREE</b>	<b>STRONGLY DISAGREE</b>	<b>TOTAL</b>	<b>WEIGHTED AVERAGE</b>
I am satisfied with my access to health care in Iroquois County.	13.26% 35	54.92% 145	25.00% 66	6.82% 18	264	2.25
I am satisfied with the cost of my health care in Iroquois County.	6.44% 17	46.59% 123	35.61% 94	11.36% 30	264	2.52
I am satisfied with the quality of my health care in Iroquois County.	8.71% 23	50.00% 132	33.33% 88	7.95% 21	264	2.41
I am satisfied with my access to affordable dental care in Iroquois County.	7.58% 20	50.38% 133	29.55% 78	12.50% 33	264	2.47
Iroquois County is a good place to raise children.	15.91% 42	61.36% 162	19.70% 52	3.03% 8	264	2.10
Iroquois County is a good place to grow old.	11.41% 30	60.08% 158	24.33% 64	4.18% 11	263	2.21
Iroquois County is a safe place to live.	13.26% 35	63.64% 168	17.80% 47	5.30% 14	264	2.15
Iroquois County is a racially, ethnically, and culturally diverse place to live.	3.79% 10	37.88% 100	43.18% 114	15.15% 40	264	2.70

Community Assessment Survey-Iroquois County

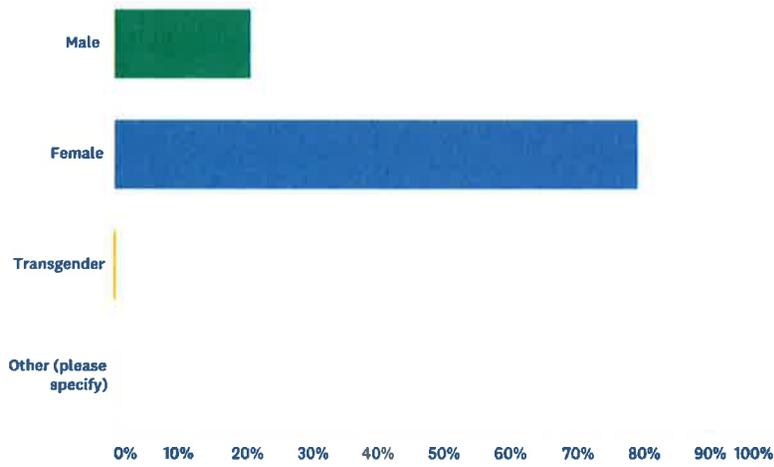
SurveyMonkey

## Q7 Zip Code where you live

Answered: 254 Skipped: 35

### Q8 Gender

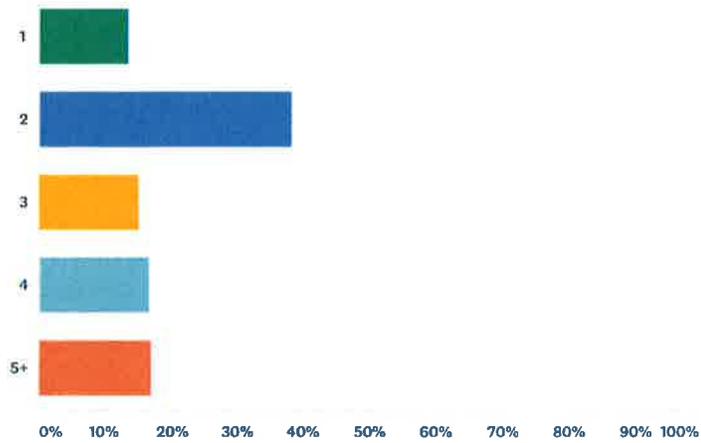
Answered: 254 Skipped: 35



ANSWER CHOICES	RESPONSES	
Male	20.47%	52
Female	79.13%	201
Transgender	0.39%	1
Other (please specify)	0.00%	0
TOTAL		254

### Q9 Including yourself, how many people live in your household?

Answered: 254 Skipped: 35



**ANSWER CHOICES**

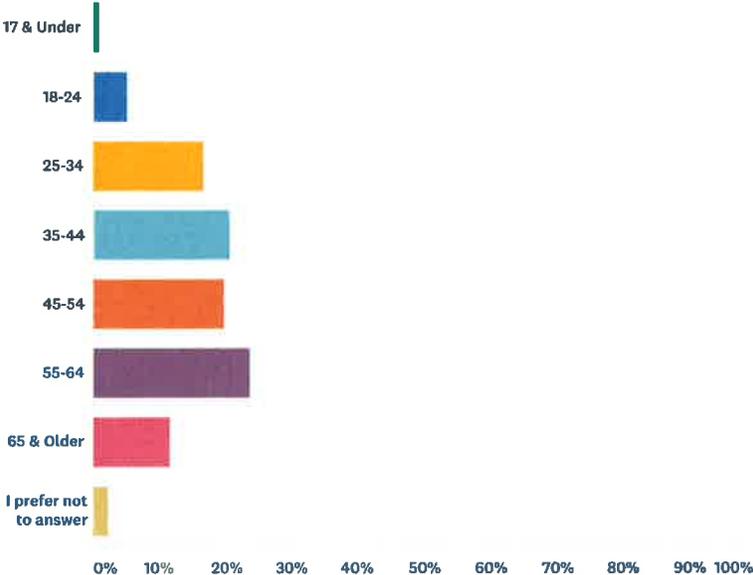
1  
2  
3  
4  
5+  
TOTAL

**RESPONSES**

Percentage	Count
13.39%	34
38.19%	97
14.96%	38
16.54%	42
16.93%	43
	254

### Q10 Age

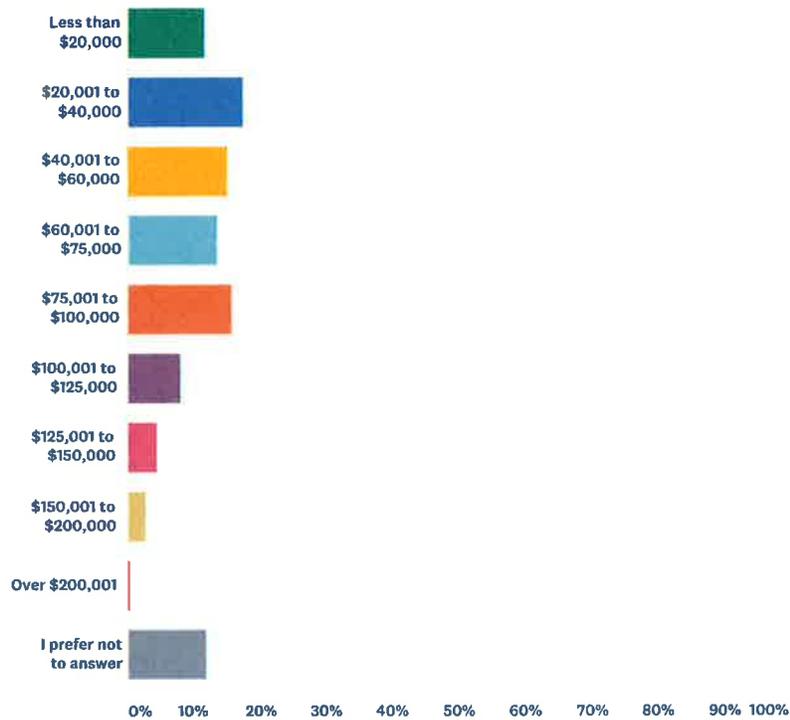
Answered: 254 Skipped: 35



ANSWER CHOICES	RESPONSES	
17 & Under	0.79%	2
18-24	5.12%	13
25-34	16.54%	42
35-44	20.47%	52
45-54	19.69%	50
55-64	23.62%	60
65 & Older	11.42%	29
I prefer not to answer	2.36%	6
TOTAL		254

### Q11 Household Income (please select one)

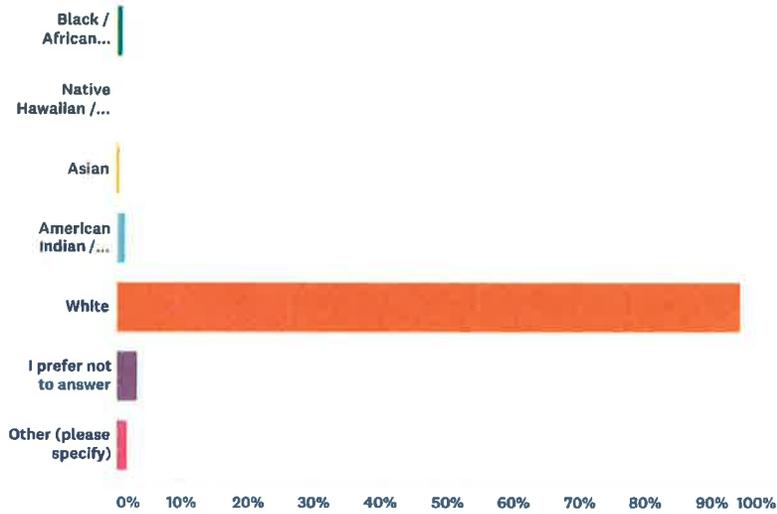
Answered: 254 Skipped: 35



ANSWER CHOICES	RESPONSES	
Less than \$20,000	11.42%	29
\$20,001 to \$40,000	17.32%	44
\$40,001 to \$60,000	14.96%	38
\$60,001 to \$75,000	13.39%	34
\$75,001 to \$100,000	15.75%	40
\$100,001 to \$125,000	7.87%	20
\$125,001 to \$150,000	4.33%	11
\$150,001 to \$200,000	2.76%	7
Over \$200,001	0.39%	1
I prefer not to answer	11.81%	30
<b>TOTAL</b>		<b>254</b>

### Q12 What is your race? (please select all that apply)

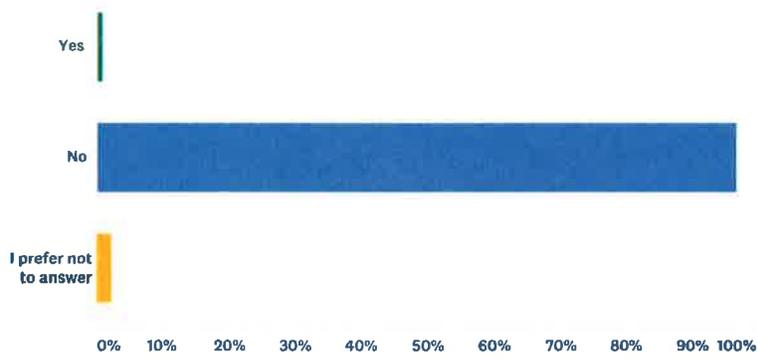
Answered: 254 Skipped: 35



ANSWER CHOICES	RESPONSES	
Black / African American	0.79%	2
Native Hawaiian / Other Pacific Islander	0.00%	0
Asian	0.39%	1
American Indian / Alaskan Native	1.18%	3
White	94.49%	240
I prefer not to answer	3.15%	8
Other (please specify)	1.57%	4
Total Respondents: 254		

### Q13 Are you of Hispanic, Latino, or Spanish origin?

Answered: 254 Skipped: 35



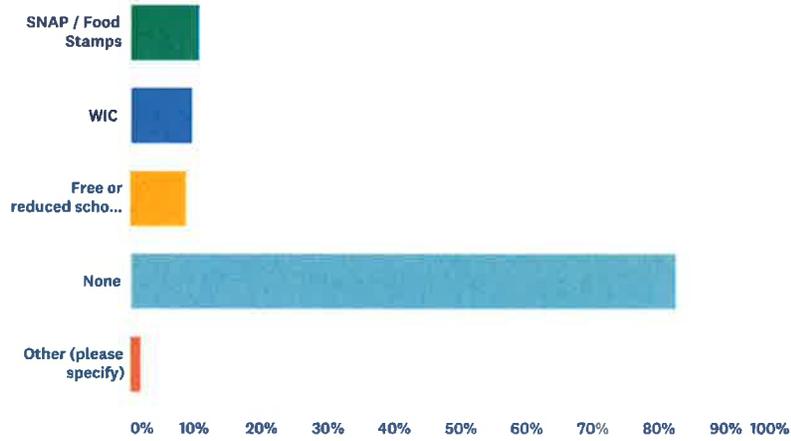
**ANSWER CHOICES**

**RESPONSES**

Yes	0.79%	2
No	96.85%	246
I prefer not to answer	2.36%	6
<b>TOTAL</b>		<b>254</b>

**Q14 Do you qualify for any of the following programs? (please select all that apply)**

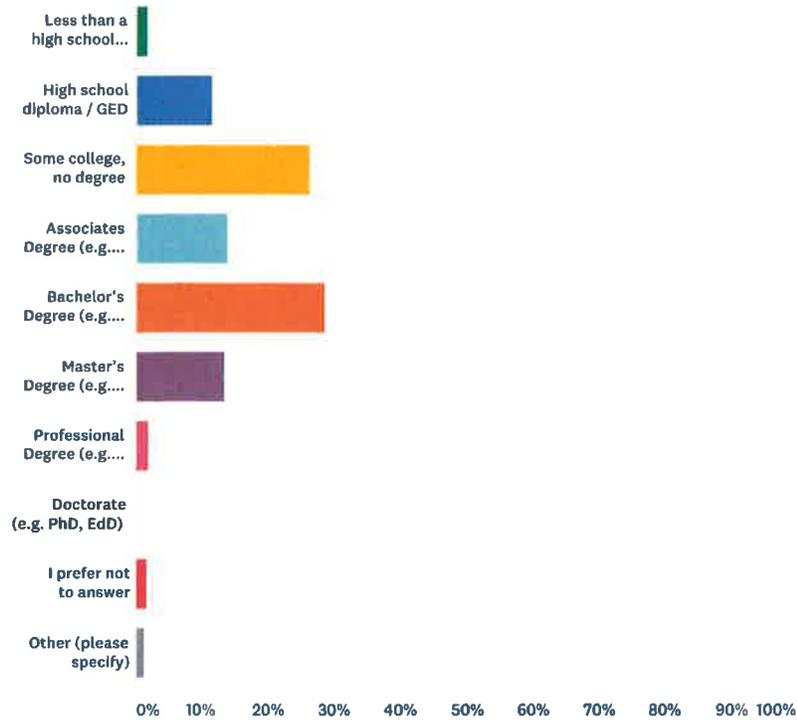
Answered: 247 Skipped: 42



ANSWER CHOICES	RESPONSES	
SNAP / Food Stamps	10.53%	26
WIC	9.31%	23
Free or reduced school lunch	8.50%	21
None	82.59%	204
Other (please specify)	1.62%	4
Total Respondents: 247		

### Q15 Education (please select one)

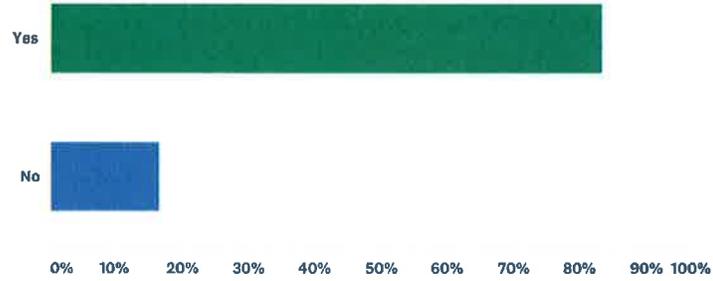
Answered: 254 Skipped: 35



ANSWER CHOICES	RESPONSES	
Less than a high school Diploma	1.57%	4
High school diploma / GED	11.42%	29
Some college, no degree	26.38%	67
Associates Degree (e.g. AA, AS)	13.78%	35
Bachelor's Degree (e.g.BA, BS)	28.74%	73
Master's Degree (e.g. MA, MS)	13.39%	34
Professional Degree (e.g. MD, DDS, DVM)	1.97%	5
Doctorate (e.g. PhD, EdD)	0.00%	0
I prefer not to answer	1.57%	4
Other (please specify)	1.18%	3
<b>TOTAL</b>		<b>254</b>

### Q16 Do you have a primary care physician (doctor, nurse practitioner)

Answered: 254 Skipped: 35



**ANSWER CHOICES**

Yes

No

TOTAL

**RESPONSES**

83.46%

16.54%

212

42

254

**Q17 If you answered yes to question 16, what clinic, hospital or facility does your primary care physician practice within?**

Answered: 205 Skipped: 84

### Q18 Medical Visit

Answered: 254 Skipped: 35

How long has it been sinc...

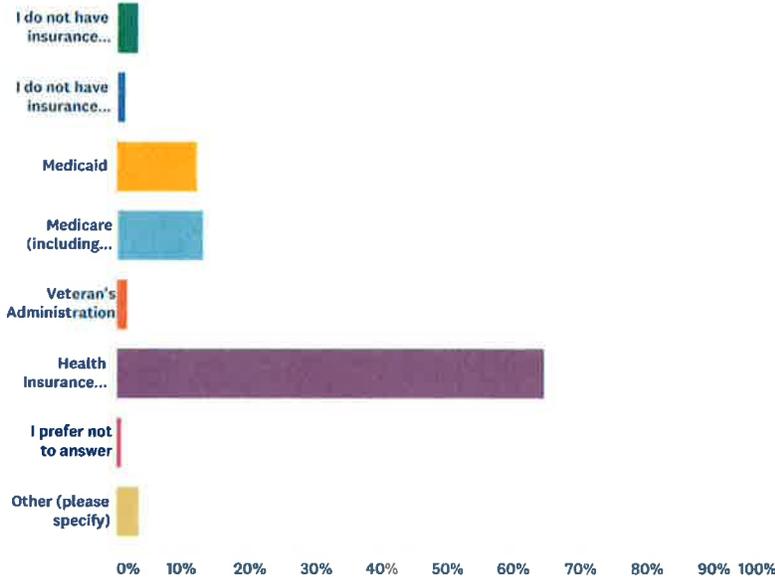


0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

	<b>WITHIN THE PAST YEAR</b>	<b>MORE THAN A YEAR BUT LESS THAN 2 YEARS</b>	<b>MORE THAN 2 YEARS BUT LESS THAN 5 YEARS</b>	<b>MORE THAN 5 YEARS</b>	<b>TOTAL</b>	<b>WEIGHTED AVERAGE</b>
How long has it been since you had a routine check up at a doctor's office?	72.05% 183	14.57% 37	7.48% 19	5.91% 15	254	1.47

### Q19 How do you pay for your health care?

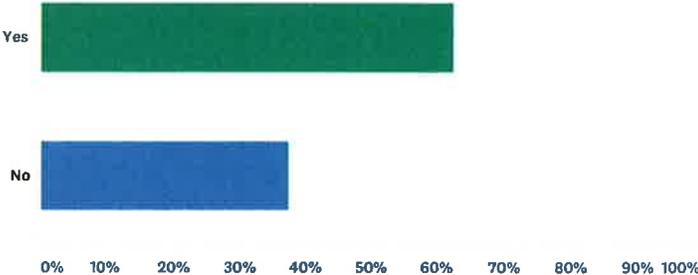
Answered: 254 Skipped: 35



ANSWER CHOICES	PERCENTAGE	RESPONSES
I do not have insurance (self-pay)	3.15%	8
I do not have insurance (charity care)	1.18%	3
Medicaid	12.20%	31
Medicare (including Medicare Supplements)	12.99%	33
Veteran's Administration	1.57%	4
Health Insurance (employer, spouse, parent, Marketplace)	64.57%	164
I prefer not to answer	0.79%	2
Other (please specify)	3.54%	9
TOTAL		254

### Q20 Do you see a Dentist regularly?

Answered: 254 Skipped: 35



ANSWER CHOICES	RESPONSES	
Yes	62.60%	159
No	37.40%	95
TOTAL		254

### Q21 Dental Care

Answered: 254 Skipped: 35

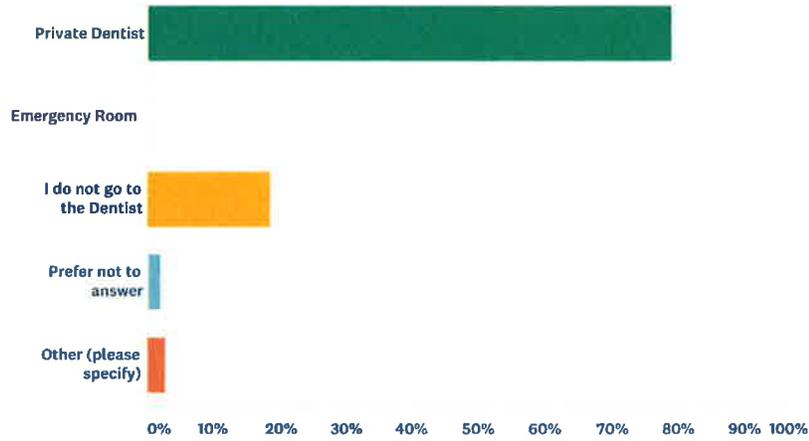


0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

	<b>WITHIN THE PAST YEAR</b>	<b>MORE THAN A YEAR BUT LESS THAN 2 YEARS</b>	<b>MORE THAN TWO YEARS BUT LESS THAN 5 YEARS</b>	<b>MORE THAN 5 YEARS</b>	<b>TOTAL</b>	<b>WEIGHTED AVERAGE</b>
How long has it been since you had a routine check up at a dentist?	56.69% 144	14.96% 38	13.39% 34	14.96% 38	254	1.87

### Q22 Where do you go for dental care? (please select all that apply)

Answered: 254 Skipped: 35



ANSWER CHOICES	RESPONSES	
Private Dentist	79.13%	201
Emergency Room	0.00%	0
I do not go to the Dentist	18.50%	47
Prefer not to answer	1.97%	5
Other (please specify)	2.76%	7
Total Respondents: 254		

## Appendix 3: Local Health System Assessment Results

### Performance Scores

ESSENTIAL SERVICE 1: Monitor Health Status to Identify Community Health Problems		
1.1	<b>Model Standard: Population-Based Community Health Assessment (CHA)</b> <i>At what level does the local public health system:</i>	
1.1.1	Conduct regular community health assessments?	100
1.1.2	Continuously update the community health assessment with current information?	0
1.1.3	Promote the use of the community health assessment among community members and partners?	50
1.2	<b>Model Standard: Current Technology to Manage and Communicate Population Health Data</b> <i>At what level does the local public health system:</i>	
1.2.1	Use the best available technology and methods to display data on the public's health?	75
1.2.2	Analyze health data, including geographic information, to see where health problems exist?	25
1.2.3	Use computer software to create charts, graphs, and maps to display complex public health data (trends over time, sub-population analyses, etc.)?	0
1.3	<b>Model Standard: Maintenance of Population Health Registries</b> <i>At what level does the local public health system:</i>	
1.3.1	Collect data on specific health concerns to provide the data to population health registries in a timely manner, consistent with current standards?	75
1.3.2	Use information from population health registries in community health assessments or other analyses?	25
ESSENTIAL SERVICE 2: Diagnose and Investigate Health Problems and Health Hazards		
2.1	<b>Model Standard: Identification and Surveillance of Health Threats</b> <i>At what level does the local public health system:</i>	
2.1.1	Participate in a comprehensive surveillance system with national, state and local partners to identify, monitor, share information, and understand emerging health problems and threats?	75
2.1.2	Provide and collect timely and complete information on reportable diseases and potential disasters, emergencies and emerging threats (natural and manmade)?	75
2.1.3	Assure that the best available resources are used to support surveillance systems and activities, including information technology, communication systems, and professional expertise?	50

<b>2.2</b>	<b>Model Standard: Investigation and Response to Public Health Threats and Emergencies</b> <i>At what level does the local public health system:</i>	
2.2.1	Maintain written instructions on how to handle communicable disease outbreaks and toxic exposure incidents, including details about case finding, contact tracing, and source identification and containment?	75
2.2.2	Develop written rules to follow in the immediate investigation of public health threats and emergencies, including natural and intentional disasters?	75
2.2.3	Designate a jurisdictional Emergency Response Coordinator?	50
2.2.4	Prepare to rapidly respond to public health emergencies according to emergency operations coordination guidelines?	75
2.2.5	Identify personnel with the technical expertise to rapidly respond to possible biological, chemical, or and nuclear public health emergencies?	75
2.2.6	Evaluate incidents for effectiveness and opportunities for improvement?	100
<b>2.3</b>	<b>Model Standard: Laboratory Support for Investigation of Health Threats</b> <i>At what level does the local public health system:</i>	
2.3.1	Have ready access to laboratories that can meet routine public health needs for finding out what health problems are occurring?	100
2.3.2	Maintain constant (24/7) access to laboratories that can meet public health needs during emergencies, threats, and other hazards?	75
2.3.3	Use only licensed or credentialed laboratories?	100
2.3.4	Maintain a written list of rules related to laboratories, for handling samples (collecting, labeling, storing, transporting, and delivering), for determining who is in charge of the samples at what point, and for reporting the results?	100

### ESSENTIAL SERVICE 3: Inform, Educate, and Empower People about Health Issues

<b>3.1</b>	<b>Model Standard: Health Education and Promotion</b> <i>At what level does the local public health system:</i>	
3.1.1	Provide policymakers, stakeholders, and the public with ongoing analyses of community health status and related recommendations for health promotion policies?	75
3.1.2	Coordinate health promotion and health education activities to reach individual, interpersonal, community, and societal levels?	75
3.1.3	Engage the community throughout the process of setting priorities, developing plans and implementing health education and health promotion activities?	75

<b>3.2</b>	<b>Model Standard: Health Communication</b> <i>At what level does the local public health system:</i>	
3.2.1	Develop health communication plans for relating to media and the public and for sharing information among LPHS organizations?	75
3.2.2	Use relationships with different media providers (e.g. print, radio, television, and the internet) to share health information, matching the message with the target audience?	75
3.2.3	Identify and train spokespersons on public health issues?	75
<b>3.3</b>	<b>Model Standard: Risk Communication</b> <i>At what level does the local public health system:</i>	
3.3.1	Develop an emergency communications plan for each stage of an emergency to allow for the effective dissemination of information?	75
3.3.2	Make sure resources are available for a rapid emergency communication response?	75
3.3.3	Provide risk communication training for employees and volunteers?	75

#### ESSENTIAL SERVICE 4: Mobilize Community Partnerships to Identify and Solve Health Problems

<b>4.1</b>	<b>Model Standard: Constituency Development</b> <i>At what level does the local public health system:</i>	
4.1.1	Maintain a complete and current directory of community organizations?	75
4.1.2	Follow an established process for identifying key constituents related to overall public health interests and particular health concerns?	100
4.1.3	Encourage constituents to participate in activities to improve community health?	75
4.1.4	Create forums for communication of public health issues?	75
<b>4.2</b>	<b>Model Standard: Community Partnerships</b> <i>At what level does the local public health system:</i>	
4.2.1	Establish community partnerships and strategic alliances to provide a comprehensive approach to improving health in the community?	75
4.2.2	Establish a broad-based community health improvement committee?	75
4.2.3	Assess how well community partnerships and strategic alliances are working to improve community health?	75

#### ESSENTIAL SERVICE 5: Develop Policies and Plans that Support Individual and Community Health Efforts

<b>5.1</b>	<b>Model Standard: Governmental Presence at the Local Level</b> <i>At what level does the local public health system:</i>	
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5.1.1	Support the work of a local health department dedicated to the public health to make sure the essential public health services are provided?	75
5.1.2	See that the local health department is accredited through the national voluntary accreditation program?	0
5.1.3	Assure that the local health department has enough resources to do its part in providing essential public health services?	75
<b>5.2</b>	<b>Model Standard: Public Health Policy Development</b> <i>At what level does the local public health system:</i>	
5.2.1	Contribute to public health policies by engaging in activities that inform the policy development process?	100
5.2.2	Alert policymakers and the community of the possible public health impacts (both intended and unintended) from current and/or proposed policies?	75
5.2.3	Review existing policies at least every three to five years?	50
<b>5.3</b>	<b>Model Standard: Community Health Improvement Process and Strategic Planning</b> <i>At what level does the local public health system:</i>	
5.3.1	Establish a community health improvement process, with broad-based diverse participation, that uses information from both the community health assessment and the perceptions of community members?	100
5.3.2	Develop strategies to achieve community health improvement objectives, including a description of organizations accountable for specific steps?	75
5.3.3	Connect organizational strategic plans with the Community Health Improvement Plan?	50
<b>5.4</b>	<b>Model Standard: Plan for Public Health Emergencies</b> <i>At what level does the local public health system:</i>	
5.4.1	Support a workgroup to develop and maintain preparedness and response plans?	100
5.4.2	Develop a plan that defines when it would be used, who would do what tasks, what standard operating procedures would be put in place, and what alert and evacuation protocols would be followed?	100
5.4.3	Test the plan through regular drills and revise the plan as needed, at least every two years?	100

#### ESSENTIAL SERVICE 6: Enforce Laws and Regulations that Protect Health and Ensure Safety

<b>6.1</b>	<b>Model Standard: Review and Evaluation of Laws, Regulations, and Ordinances</b> <i>At what level does the local public health system:</i>	
6.1.1	Identify public health issues that can be addressed through laws, regulations, or ordinances?	100

6.1.2	Stay up-to-date with current laws, regulations, and ordinances that prevent, promote, or protect public health on the federal, state, and local levels?	100
6.1.3	Review existing public health laws, regulations, and ordinances at least once every five years?	100
6.1.4	Have access to legal counsel for technical assistance when reviewing laws, regulations, or ordinances?	50
6.2	<b>Model Standard: Involvement in the Improvement of Laws, Regulations, and Ordinances</b> <i>At what level does the local public health system:</i>	
6.2.1	Identify local public health issues that are inadequately addressed in existing laws, regulations, and ordinances?	75
6.2.2	Participate in changing existing laws, regulations, and ordinances, and/or creating new laws, regulations, and ordinances to protect and promote the public health?	75
6.2.3	Provide technical assistance in drafting the language for proposed changes or new laws, regulations, and ordinances?	50
6.3	<b>Model Standard: Enforcement of Laws, Regulations, and Ordinances</b> <i>At what level does the local public health system:</i>	
6.3.1	Identify organizations that have the authority to enforce public health laws, regulations, and ordinances?	100
6.3.2	Assure that a local health department (or other governmental public health entity) has the authority to act in public health emergencies?	100
6.3.3	Assure that all enforcement activities related to public health codes are done within the law?	100
6.3.4	Educate individuals and organizations about relevant laws, regulations, and ordinances?	100
6.3.5	Evaluate how well local organizations comply with public health laws?	100

**ESSENTIAL SERVICE 7: Link People to Needed Personal Health Services and Assure the Provision of Health Care when Otherwise Unavailable**

7.1	<b>Model Standard: Identification of Personal Health Service Needs of Populations</b> <i>At what level does the local public health system:</i>	
7.1.1	Identify groups of people in the community who have trouble accessing or connecting to personal health services?	25
7.1.2	Identify all personal health service needs and unmet needs throughout the community?	75

7.1.3	Defines partner roles and responsibilities to respond to the unmet needs of the community?	0
7.1.4	Understand the reasons that people do not get the care they need?	100
7.2	<b>Model Standard: Assuring the Linkage of People to Personal Health Services</b> <i>At what level does the local public health system:</i>	
7.2.1	Connect (or link) people to organizations that can provide the personal health services they may need?	75
7.2.2	Help people access personal health services, in a way that takes into account the unique needs of different populations?	75
7.2.3	Help people sign up for public benefits that are available to them (e.g., Medicaid or medical and prescription assistance programs)?	25
7.2.4	Coordinate the delivery of personal health and social services so that everyone has access to the care they need?	25

<b>ESSENTIAL SERVICE 8: Assure a Competent Public and Personal Health Care Workforce</b>		
8.1	<b>Model Standard: Workforce Assessment, Planning, and Development</b> <i>At what level does the local public health system:</i>	
8.1.1	Set up a process and a schedule to track the numbers and types of LPHS jobs and the knowledge, skills, and abilities that they require whether those jobs are in the public or private sector?	25
8.1.2	Review the information from the workforce assessment and use it to find and address gaps in the local public health workforce?	50
8.1.3	Provide information from the workforce assessment to other community organizations and groups, including governing bodies and public and private agencies, for use in their organizational planning?	50
8.2	<b>Model Standard: Public Health Workforce Standards</b> <i>At what level does the local public health system:</i>	
8.2.1	Make sure that all members of the public health workforce have the required certificates, licenses, and education needed to fulfill their job duties and meet the law?	100
8.2.2	Develop and maintain job standards and position descriptions based in the core knowledge, skills, and abilities needed to provide the essential public health services?	75
8.2.3	Base the hiring and performance review of members of the public health workforce in public health competencies?	25
8.3	<b>Model Standard: Life-Long Learning through Continuing Education, Training, and Mentoring</b> <i>At what level does the local public health system:</i>	
8.3.1	Identify education and training needs and encourage the workforce to participate in available education and training?	25

8.3.2	Provide ways for workers to develop core skills related to essential public health services?	25
8.3.3	Develop incentives for workforce training, such as tuition reimbursement, time off for class, and pay increases?	75
8.3.4	Create and support collaborations between organizations within the public health system for training and education?	75
8.3.5	Continually train the public health workforce to deliver services in a cultural competent manner and understand social determinants of health?	100
8.4	<b>Model Standard: Public Health Leadership Development</b> <i>At what level does the local public health system:</i>	
8.4.1	Provide access to formal and informal leadership development opportunities for employees at all organizational levels?	0
8.4.2	Create a shared vision of community health and the public health system, welcoming all leaders and community members to work together?	25
8.4.3	Ensure that organizations and individuals have opportunities to provide leadership in areas where they have knowledge, skills, or access to resources?	0
8.4.4	Provide opportunities for the development of leaders representative of the diversity within the community?	100

<b>ESSENTIAL SERVICE 9: Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-Based Health Services</b>		
9.1	<b>Model Standard: Evaluation of Population-Based Health Services</b> <i>At what level does the local public health system:</i>	
9.1.1	Evaluate how well population-based health services are working, including whether the goals that were set for programs were achieved?	25
9.1.2	Assess whether community members, including those with a higher risk of having a health problem, are satisfied with the approaches to preventing disease, illness, and injury?	75
9.1.3	Identify gaps in the provision of population-based health services?	75
9.1.4	Use evaluation findings to improve plans and services?	50
9.2	<b>Model Standard: Evaluation of Personal Health Services</b> <i>At what level does the local public health system:</i>	
9.2.1	Evaluate the accessibility, quality, and effectiveness of personal health services?	25
9.2.2	Compare the quality of personal health services to established guidelines?	0

9.2.3	Measure satisfaction with personal health services?	25
9.2.4	Use technology, like the internet or electronic health records, to improve quality of care?	75
9.2.5	Use evaluation findings to improve services and program delivery?	100
<b>9.3</b>	<b>Model Standard: Evaluation of the Local Public Health System</b> <i>At what level does the local public health system:</i>	
9.3.1	Identify all public, private, and voluntary organizations that provide essential public health services?	75
9.3.2	Evaluate how well LPHS activities meet the needs of the community at least every five years, using guidelines that describe a model LPHS and involving all entities contributing to essential public health services?	100
9.3.3	Assess how well the organizations in the LPHS are communicating, connecting, and coordinating services?	75
9.3.4	Use results from the evaluation process to improve the LPHS?	50

<b>ESSENTIAL SERVICE 10: Research for New Insights and Innovative Solutions to Health Problems</b>		
<b>10.1</b>	<b>Model Standard: Fostering Innovation</b> <i>At what level does the local public health system:</i>	
10.1.1	Provide staff with the time and resources to pilot test or conduct studies to test new solutions to public health problems and see how well they actually work?	100
10.1.2	Suggest ideas about what currently needs to be studied in public health to organizations that do research?	100
10.1.3	Keep up with information from other agencies and organizations at the local, state, and national levels about current best practices in public health?	100
10.1.4	Encourage community participation in research, including deciding what will be studied, conducting research, and in sharing results?	100
<b>10.2</b>	<b>Model Standard: Linkage with Institutions of Higher Learning and/or Research</b> <i>At what level does the local public health system:</i>	
10.2.1	Develop relationships with colleges, universities, or other research organizations, with a free flow of information, to create formal and informal arrangements to work together?	100
10.2.2	Partner with colleges, universities, or other research organizations to do public health research, including community-based participatory research?	25

10.2.3	Encourage colleges, universities, and other research organizations to work together with LPHS organizations to develop projects, including field training and continuing education?	0
<b>10.3</b>	<b>Model Standard: Capacity to Initiate or Participate in Research</b> <i>At what level does the local public health system:</i>	
10.3.1	Collaborate with researchers who offer the knowledge and skills to design and conduct health-related studies?	0
10.3.2	Support research with the necessary infrastructure and resources, including facilities, equipment, databases, information technology, funding, and other resources?	0
10.3.3	Share findings with public health colleagues and the community broadly, through journals, websites, community meetings, etc?	75
10.3.4	Evaluate public health systems research efforts throughout all stages of work from planning to impact on local public health practice?	0

## Appendix 4: Force of Change Assessment Survey

### Forces of Change - Threats and Opportunities

For each category, identify the threats and opportunities for the public health system or community created by each. Continue onto another page if needed.

Forces	Threats Posed	Opportunities Created
Social		
Economic		
Political		
Technological		
Environmental		
Scientific		
Legal		
Ethical		