SW Ohio | N Kentucky | SE Indiana

# CHNA

## Community Health Needs Assessment

THE HEALTH COLLABORATIVE

GDAHA
GREATER DAYTON AREA HOSPITAL ASSOCIATION

# 2019 Report

## The Collaborative Report serves:

- ✓ **35** Hospitals
- ✓ **25** Counties
- ✓ **28** Local Health Departments
- ✓ **3** States

## Hospitals

The Christ Hospital Health Network
Cincinnati Children's Hospital Medical Center
Clinton Memorial Hospital
Highpoint Health
Kettering Health Network
  Fort Hamilton Hospital
  Grandview Medical Center
  Greene Memorial Hospital
  Kettering Behavioral Medic Center
  Kettering Medical Center
  Soin Medical Center
  Southview Medical Center
  Sycamore Medical Center
Lindner Center of HOPE
Mercy Health | Cincinnati Region
  Mercy Health - Anderson Hospital
  Mercy Health - Clermont Hospital
  Mercy Health - Fairfield Hospital
  Mercy Health - West Hospital
  The Jewish Hospital – Mercy Health

Mercy Health | Springfield Region
  Mercy Health - Urbana Hospital
  Springfield Regional Medical Center
Premier Health
  Atrium Medical Center
  Miami Valley Hospital
  Miami Valley Hospital North
  Miami Valley Hospital South
  Upper Valley Medical Center
TriHealth
  Bethesda Butler Hospital
  Bethesda North Hospital
  Good Samaritan Hospital
  McCullough Hyde Memorial Hospital
  TriHealth Evendale Hospital
UC Health
  Daniel Drake Center for Post-Acute Care
  University of Cincinnati Medical Center
  West Chester Hospital
Wayne HealthCare
Wilson Health

## HAMILTON COUNTY, OHIO

Hamilton County is the most populated County in the region and is home to the largest city, Cincinnati. The County continues to struggle with higher than average rates of poverty, infant mortality, homicide, and sexually transmitted diseases. Community collaborations are addressing infant mortality and the heroin epidemic. There is an above average number of children living in the County and a high number of children living in poverty. Hamilton County is one of the 8 counties with an increase in unacceptable ozone levels, from 5 days to 12 days. Of the County's 51 ZIP Codes, 27 have elevated CNI Scores, indicating the likelihood of health disparities. In addition to the community meeting at the Urban League, the Cincinnati Health Department hosted 3 additional community meetings, and the CHNA team conducted an additional meeting around LGBTQ+ issues (summarized in the Urban Health chapter). Hamilton County Public Health contributed 666 resident surveys as part of its WeTHRIVE! initiative. These residents lived outside the City of Cincinnati but within Hamilton County.
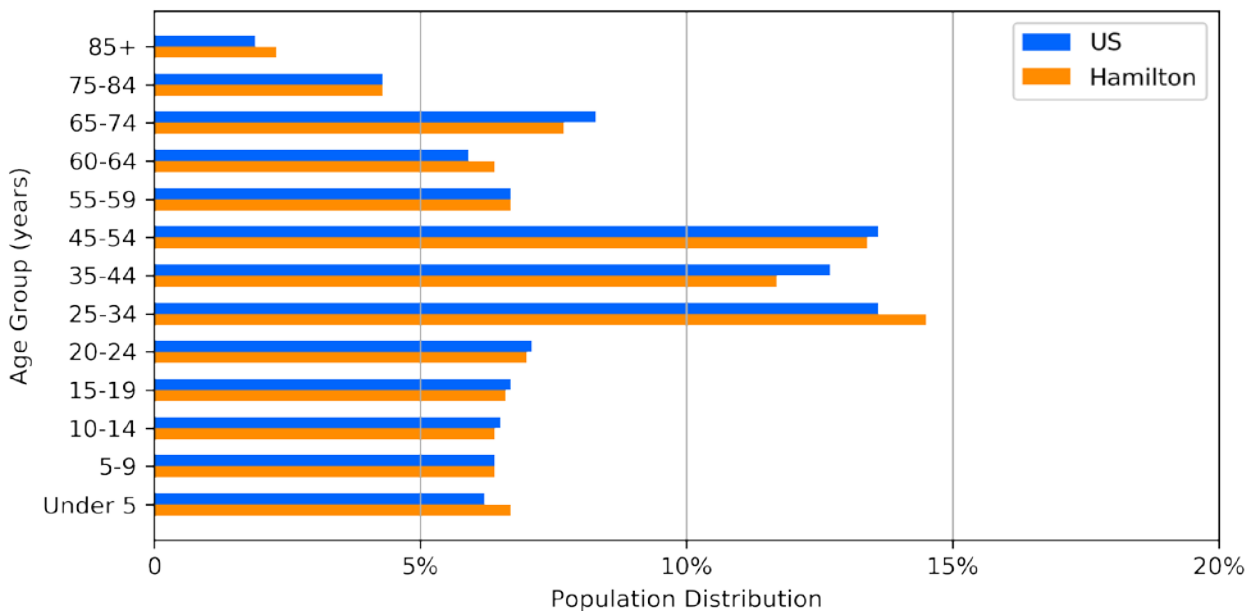
*" You can't get fresh produce, but you can get all the alcohol you want. "*

- Hamilton County consumer

### Population Chart

The following is a population chart for Hamilton County from years 2012-2016.

**FIGURE 44. HAMILTON COUNTY POPULATION**

## Consensus on Priorities

For Hamilton County, the consultants had input from 4 health departments and WeTHRIVE! survey respondents as well as the meetings, consumer surveys, and agency surveys. Substance abuse, specifically addiction, was on each group's list of priorities, and it was in top place for each source except the meeting attendees. Mental health was a shared priority at the meeting, on consumer surveys, and with health departments. Access to care was the next highest shared priority for every group, except the WeTHRIVE! respondents. Transportation was a major topic at the meeting. Chronic disease was a top-ranked priority for health departments and on consumer and agency surveys. Social Determinants of Health were discussed broadly at the meeting and echoed on the agency surveys. Some sub-categories of SDHs attracted so many votes at the meeting, that they are listed separately, such as Poverty and Discrimination. The health of infants concerned both agencies and health departments. Access, availability, and affordability of healthy food and nutrition information were mentioned on consumer surveys and at the meeting. The discussion included the topics of food insecurity and food deserts.

## Top Causes of Death

The top causes of death for 2016 were, in descending order:
- Lung cancer
- Atherosclerotic heart disease
- Dementia, unspecified
- Accidental poisoning by and exposure to narcotics and hallucinogens, not elsewhere classified
- Alzheimer's disease

## Priorities from Community Meeting on June 12, 2018

Twenty-seven people contributed votes to identify a total of 44 priorities. Below are the topics receiving the most votes.

TABLE 98. HAMILTON COUNTY: MEETING PRIORITIES

| Priority | # Votes | % Votes |
|---|---|---|
| Social Determinants of Health (Education/Literacy = 9, Housing = 8, Environment = 6, Employment = 5), not including Poverty or Discrimination | 37 | 18.4% |
| Mental Health (ACEs = 6, Suicide = 2) | 26 | 12.9% |
| Access (Transportation = 15) | 25 | 12.4% |
| Healthy Food/Nutrition | 16 | 8.0% |
| Discrimination (Racism=6) | 14 | 7.0% |
| Health education/Promotion | 12 | 6.0% |
| Poverty | 11 | 5.5% |
| Substance abuse | 8 | 4.0% |

## Survey Responses

Below are the most frequent responses from individual consumers, living in Hamilton County, who completed a survey 5/14/18 and 8/3/18. 434 people participated. Respondents all answered the question, "Given the health issues facing the community, which ones would be your top priorities?" They mentioned 68 health and/or health-related issues of particular concern to them. The following table contains the issues that received more than 5% of all mentions.

TABLE 99. HAMILTON COUNTY: CONSUMER PRIORITIES

| Priority | # Mentions | % Mentions |
|---|---|---|
| Substance abuse | 72 | 19.94% |
| Chronic disease | 69 | 19.11% |
| Access to care | 44 | 12.19% |
| Mental health | 32 | 8.86% |
| Healthy behaviors | 22 | 6.09% |
| Healthy food/Nutrition | 20 | 5.54% |

Hamilton County Public Health shared resident responses from its WeTHRIVE! survey. There were 666 responses of which 558 expressed a health or health-related concern. (Not included were concerns about code enforcement, general civic matters, private property complaints, general public services, or staffing.)

TABLE 100. HAMILTON COUNTY: WETHRIVE! RESULTS

| Priority | # Mentions | % Mentions |
|---|---|---|
| Drugs | 202 | 16% |
| Crime | 147 | 12% |
| Recreation activities | 108 | 9% |
| Care for children | 102 | 8% |
| Public safety | 91 | 7% |
| Traffic & sidewalks (with focus on safety) | 74 | 6% |

Thirty-four organizations serving County residents, especially vulnerable populations, responded with their priorities. The priorities that received more than 5% of mentions are listed below.

**TABLE 101. HAMILTON COUNTY: AGENCY PRIORITIES**

| Priority | # Mentions | % Mentions |
|---|---|---|
| Substance abuse | 17 | 21% |
| Chronic disease | 14 | 17% |
| Social Determinants of Health | 10 | 12% |
| Infant mortality | 9 | 11% |
| Access to care | 8 | 10% |

## Responses from Health Departments

There were 4 categories where these 4 health departments agreed. The largest area of agreement was Addiction. The next 4 were prioritized by 2 health departments: Mental health; Maternal, infant & child health and/or Infant mortality; Chronic disease and/or Obesity; and Access to care (healthcare in general for Springdale and oral health for Hamilton County.)

**TABLE 102. HAMILTON COUNTY: HEALTH DEPARTMENT PRIORITIES**

| | Addiction | Mental health | Mat., infant & child health/Infant mortality | Chronic disease/ Obesity | Access to care |
|---|---|---|---|---|---|
| Hamilton County | 1 | 1 | 1 | 1 | 1 |
| City of Cincinnati | 1 | 1 | 1 | 1 | |
| City of Norwood | 1 | | | | |
| City of Springdale | 1 | | | | 1 |

"*Systems not speaking to each other end up sending people from here to there to here to there.*"

- Hamilton County consumer

**Note:**

*There is a separate snapshot for the City of Cincinnati in the Urban Health chapter.*

# Hamilton County Health Snapshot — Pop.: 805,965

| Measure/Indicator | County | Trend | State | U.S. |
|---|---|---|---|---|
| **Health Outcomes** | | | | |
| Cancer mortality, Breast (rate per 100,000) | 24.4 | * | 22.2 | 20.2 |
| Cancer mortality, Lung (rate per 100,000) | 50.6 | -* | 48.2 | 39.4 |
| Cancer mortality, Overall (rate per 100,000) | 179.1 | -* | 174.3 | 157.1 |
| Cancer mortality, Colon & Rectum (rate per 100,000) | 17.3 | -* | 15.5 | 14.0 |
| Child mortality (rate per 100,000, 1-17 yrs.) | 23.7 | * | 20.1 | 19.9 |
| Chronic Lower Respiratory Disease (CLRD) deaths age 65 and up (rate per 100,000) | 271.8 | - | 316.1 | 270.9 |
| Diabetes (%) | 12.1 | * | 11.1 | 10.7 |
| Heart Disease Deaths (rate per 100,000) | 174.1 | - | 188.4 | 167 |
| Infant Mortality (rate per 1,000 live births) | 9.0 | * | 7.2 | 5.9 |
| Injury Deaths (rate per 100,000) | 63.8 | -* | 61.2 | 45.3 |
| Low birthweight (%) | 9.4 | * | 8.5 | 8.2 |
| Preterm Birth (%) | 10.7 | * | 10.3 | 9.6 |
| Stroke Deaths (rate per 100,000) | 49.3 | * | 40.6 | 37.5 |
| **Health Behaviors** | | | | |
| Adult Obesity (%) | 29.1 | - | 30.6 | 29.2 |
| Adult Smoking (%) | 22.9 | * | 22.0 | 16.5 |
| Adults with high blood pressure (% Yes) | 34.3 | * | 33.9 | 32.0 |
| Alcohol-impaired driving deaths (%) | 38.0 | -* | 34.0 | 30.0 |
| Chlamydia incidence (rate per 100,000) | 858.1 | -* | 521.6 | 497.3 |
| Gonorrhea incidence (%) | 355.5 | -* | 176.8 | 145.8 |
| HIV prevalence (rate per 100,000) | 369.1 | -* | 199.5 | 305.2 |
| Homicide (rate per 100,000) | 9.8 | * | 5.9 | 5.5 |
| Motor vehicle crash deaths (rate per 100,000) | 7.1 | - | 10.3 | 11.5 |
| Physical inactivity (%) | 24.5 | - | 26.4 | 25.2 |
| **Substance Abuse/Mental Health** | | | | |
| Depression (%) | 18.5 | - | 18.5 | 17.1 |
| Drug poisoning deaths (rate per 100,000) | 35.5 | -* | 26.2 | 14.6 |
| Fentanyl & related drug OD deaths (rate per 100,000) | 15.0 | -* | 9.0 | 2.6 |
| Heroin poisoning overdose deaths (rate per 100,000) | 21.4 | -* | 10.9 | 3.5 |
| Prescription opioid overdose deaths (rate per 100,000) | 7.4 | * | 5.9 | 4.0 |
| Suicide (rate per 100,000) | 12.6 | - | 13.3 | 13.0 |
| **Access to Clinical Care** | | | | |
| Dentists (ratio) | 1380:1 | - | 1656:1 | 1480:1 |
| Mammography screening (%) | 67.5 | - | 68.4 | 65.5 |
| Mental health providers (ratio) | 415:1 | ↓ | 561:1 | 470:1 |
| Primary care physicians (ratio) | 920:1 | ↓ | 1307:1 | 1320:1 |
| Uninsured (%) | 7.9 | - | 7.6 | 11.8 |
| **Socio-Economic/Demographic** | | | | |
| Children in poverty (%) | 26.1 | * | 22.1 | 21.2 |
| Hispanic (%) | 2.9 | | 3.5 | 17.3 |
| African American (%) | 25.7 | | 12.1 | 12.3 |
| Population that is 65 and older (%) | 14.2 | | 23.0 | 22.3 |
| Population below 18 years of age (%) | 23.3 | * | 14.5 | 16.0 |

\* = Higher than state and national rates. Source data range: 2014-2017. U = Unavailable or unreliable data

### Sidebar callouts

**Top Causes of Death**
Lung Cancer
Heart Disease
Dementia

**Injury Deaths**
Rate is rising and higher than OH and US rates

**Drug ODs**
Deaths rising and higher than OH and US for drug poisoning, heroin & Fentanyl
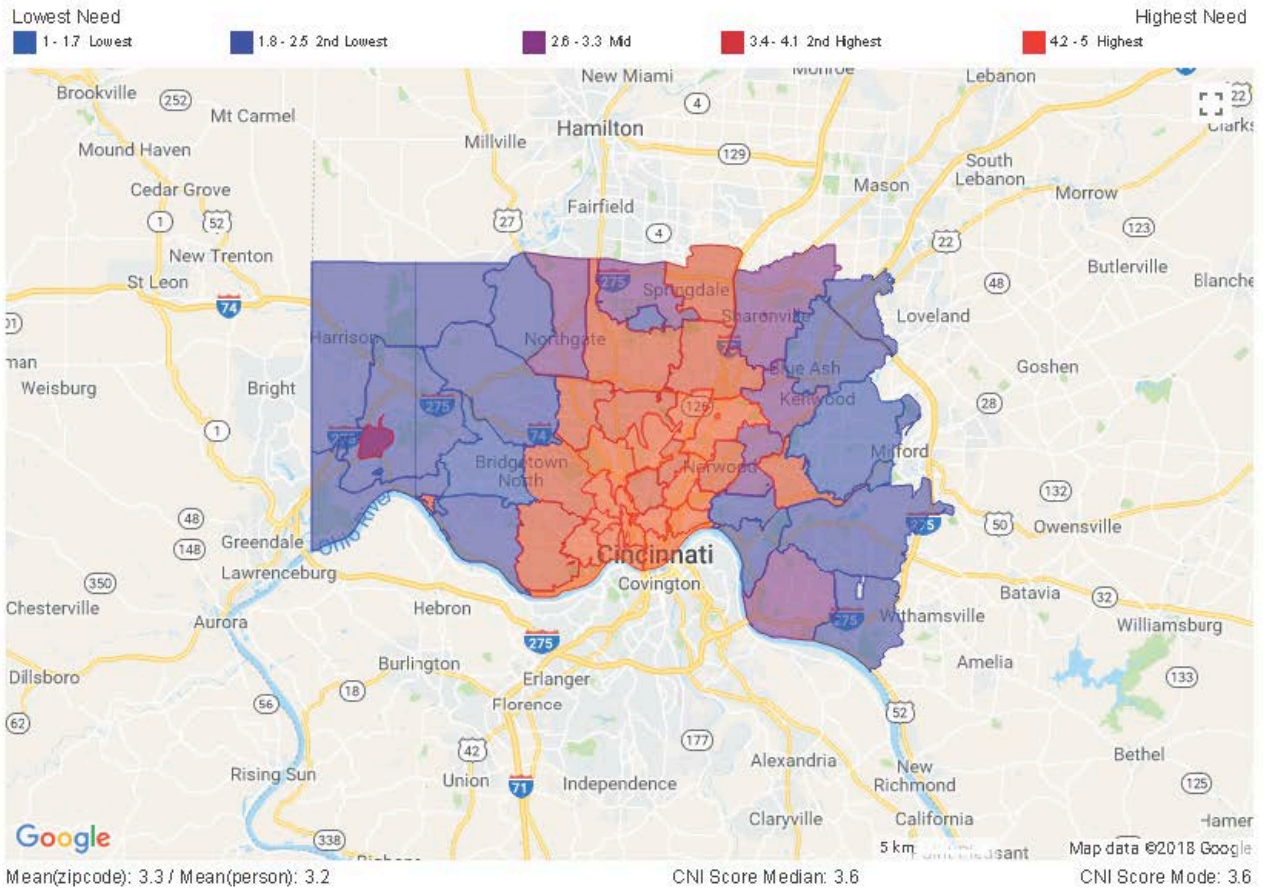
**STIs**
Rising rates of chlamydia, gonorrhea & HIV and > OH & US

**Children**
Large population under 18 and high percentage living in poverty

## Community Need Index

A high CNI score (3.4 to 5.0) is an indicator for socioeconomic variation, barriers to care, and an increased need for health care services. More than half, or 27, of Hamilton County's 51 ZIP Codes have high scores.

Lowest Need | Highest Need

| ■ 1 - 1.7 Lowest | ■ 1.8 - 2.5 2nd Lowest | ■ 2.6 - 3.3 Mid | ■ 3.4 - 4.1 2nd Highest | ■ 4.2 - 5 Highest |



Mean(zipcode): 3.3 / Mean(person): 3.2          CNI Score Median: 3.6          CNI Score Mode: 3.6

| Zip Code | CNI Score | Population | City | County | State |
|---|---|---|---|---|---|
| ■ 45001 | 3.6 | 777 | Addyston | Hamilton | Ohio |
| ■ 45002 | 2 | 14448 | Cleves | Hamilton | Ohio |
| ■ 45030 | 1.8 | 18831 | Harrison | Hamilton | Ohio |
| ■ 45033 | 3.6 | 430 | Hooven | Hamilton | Ohio |
| ■ 45052 | 2 | 4229 | North Bend | Hamilton | Ohio |
| ■ 45111 | 2.2 | 380 | Camp Dennison | Hamilton | Ohio |
| ■ 45174 | 1 | 2235 | Terrace Park | Hamilton | Ohio |
| ■ 45202 | 4.2 | 17062 | Cincinnati | Hamilton | Ohio |
| ■ 45203 | 4.8 | 2381 | Cincinnati | Hamilton | Ohio |
| ■ 45204 | 4.6 | 6930 | Cincinnati | Hamilton | Ohio |
| ■ 45205 | 4.8 | 18858 | Cincinnati | Hamilton | Ohio |
| ■ 45206 | 4.6 | 10679 | Cincinnati | Hamilton | Ohio |
| ■ 45207 | 4.8 | 7939 | Cincinnati | Hamilton | Ohio |
| ■ 45208 | 2.4 | 17880 | Cincinnati | Hamilton | Ohio |
| ■ 45209 | 3 | 9501 | Cincinnati | Hamilton | Ohio |
| ■ 45211 | 4 | 36531 | Cincinnati | Hamilton | Ohio |
| ■ 45212 | 3.8 | 21851 | Cincinnati | Hamilton | Ohio |
| ■ 45213 | 3.2 | 11817 | Cincinnati | Hamilton | Ohio |
| ■ 45214 | 5 | 8840 | Cincinnati | Hamilton | Ohio |
| ■ 45215 | 3.6 | 29399 | Cincinnati | Hamilton | Ohio |
| ■ 45216 | 4.4 | 9831 | Cincinnati | Hamilton | Ohio |

| | | | | | |
|---|---|---|---|---|---|
| 45217 | 4 | 6557 | Cincinnati | Hamilton | Ohio |
| 45218 | 2.4 | 3798 | Cincinnati | Hamilton | Ohio |
| 45219 | 4.2 | 16953 | Cincinnati | Hamilton | Ohio |
| 45220 | 3.6 | 14964 | Cincinnati | Hamilton | Ohio |
| 45223 | 4.6 | 12272 | Cincinnati | Hamilton | Ohio |
| 45224 | 4 | 19077 | Cincinnati | Hamilton | Ohio |
| 45225 | 5 | 9009 | Cincinnati | Hamilton | Ohio |
| 45226 | 2.4 | 5992 | Cincinnati | Hamilton | Ohio |
| 45227 | 3.6 | 18323 | Cincinnati | Hamilton | Ohio |
| 45229 | 4.8 | 13148 | Cincinnati | Hamilton | Ohio |
| 45230 | 2.6 | 27983 | Cincinnati | Hamilton | Ohio |
| 45231 | 3.4 | 42342 | Cincinnati | Hamilton | Ohio |
| 45232 | 4.8 | 7224 | Cincinnati | Hamilton | Ohio |
| 45233 | 1.8 | 16148 | Cincinnati | Hamilton | Ohio |
| 45236 | 2.8 | 24701 | Cincinnati | Hamilton | Ohio |
| 45237 | 4.2 | 20257 | Cincinnati | Hamilton | Ohio |
| 45238 | 3.6 | 45806 | Cincinnati | Hamilton | Ohio |
| 45239 | 3.8 | 27846 | Cincinnati | Hamilton | Ohio |
| 45240 | 3.2 | 27005 | Cincinnati | Hamilton | Ohio |
| 45241 | 2.6 | 23303 | Cincinnati | Hamilton | Ohio |
| 45242 | 2 | 21359 | Cincinnati | Hamilton | Ohio |
| 45243 | 1.4 | 14178 | Cincinnati | Hamilton | Ohio |
| 45244 | 1.8 | 28668 | Cincinnati | Hamilton | Ohio |
| 45246 | 3.6 | 15515 | Cincinnati | Hamilton | Ohio |
| 45247 | 2 | 22981 | Cincinnati | Hamilton | Ohio |
| 45248 | 1.4 | 25433 | Cincinnati | Hamilton | Ohio |
| 45249 | 2.4 | 13576 | Cincinnati | Hamilton | Ohio |
| 45251 | 2.8 | 21862 | Cincinnati | Hamilton | Ohio |
| 45252 | 1.8 | 4656 | Cincinnati | Hamilton | Ohio |
| 45255 | 2.2 | 21660 | Cincinnati | Hamilton | Ohio |

TRUVEN
HEALTH ANALYTICS