

YOUR TRUSTED SOURCE FOR PUBLIC HEALTH INFORMATION

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A hand holding a globe covered in business-related terms. The word 'PARTNERSHIP' is prominently displayed in the center of the globe in large, bold, red letters. Other visible words include 'win', 'achieving', 'success', 'strategy', 'investing', 'wealth', 'return', 'idea', 'bank', 'commerce', 'teamwork', 'trust', 'cooperation', 'partner', 'choice', 'solutions', 'service', 'profit', 'economy', 'risk', 'pointing', 'investment', 'business', 'research', 'perfecting', 'excellent', 'reach', 'pointing', 'target', 'good idea', 'professional', 'competitive', 'synergy', 'people', 'invest', 'perform', 'direction', 'improvement', 'career', 'hang', 'manager', 'risk', 'old', 'strategy', 'goal', 'save', 'corporate', 'online', 'economic', 'idea', 'symbol', 'plan', 'ability', 'positive', 'invest', 'perform', 'direction', 'improvement', 'career', 'hang', 'manager', 'risk', 'old', 'strategy', 'goal', 'save', 'corporate', 'online', 'economic', 'idea', 'symbol', 'plan', 'ability'. The background is a soft gradient of light blue and white.

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Established: 1919

Area served:
57 communities

Population served:
More than 850,000



Number of employees: 146

Highest level of education attained:

PhD ... 2

JD ... 1

Masters ... 48

Bachelors ... 58

Associates ... 5



Employee service:

25-30 years ... 8

20-24 years ... 16

15-19 years ... 27

10-14 years ... 29

5-9 years ... 25

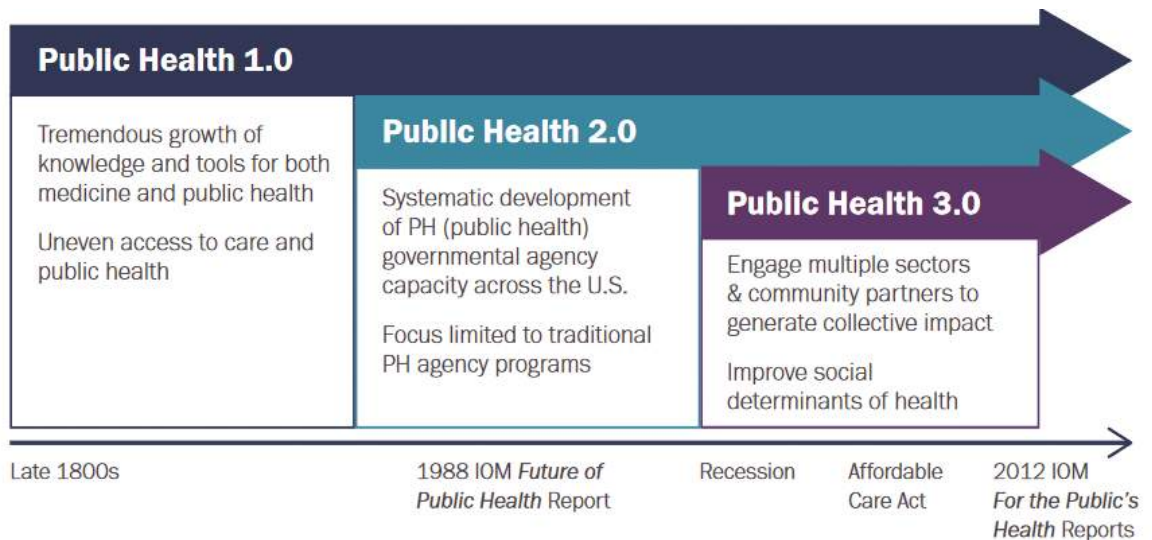
Less than 5 years ... 41



In 2012, the Institute of Medicine (IOM), which provides evidence-based research and recommendations for public health and science policy, released a seminal report called *For the Public's Health: Investing in a Healthier Future*.

Among the report's recommendations was the requirement that health departments participate in and support community-based coalitions that examine health data, set goals, and develop plans to improve health. The report also expressed the importance of enlisting civic and other community leaders, local business, grassroots agencies, and academic partners to help carry out those plans.

These principles are also identified by the U.S. Department of Health and Human Services as critical components of a new model called "Public Health 3.0," which promotes the use of collaborative approaches to more effectively address the longstanding social determinants of health like education, transportation and poverty.



Source: DeSalvo et. al. (2016) Public Health 3.0: Time for an Upgrade. AJPH

Large-scale public health issues can often be challenging. Among the topics reviewed in our report are three of the most pressing health matters facing our county: the effective promotion of healthy eating and active living practices, responding to the opiate epidemic, and reducing infant mortality rates.

At the Cuyahoga County Board of Health (CCBH), we are most successful when collaborating with partners who share our interests in improving health outcomes for our residents. Working with both established and new partners enhances the delivery of services, leading to a better use of resources.



Standing left to right: Terry Allan, Gregory L. Hall, M.D., Doug Wang
Sitting left to right: James T. Gatt, Debbie L. Moss, Esq., Jonathan Greenberg, Esq.

Our 2016 Annual Report features examples of how we have embraced the power of collaboration to address core public health issues and emerging problems. These partnerships help us to create the conditions in which everyone in Cuyahoga County can be healthy.

Thank you for taking the time to learn about our approach.

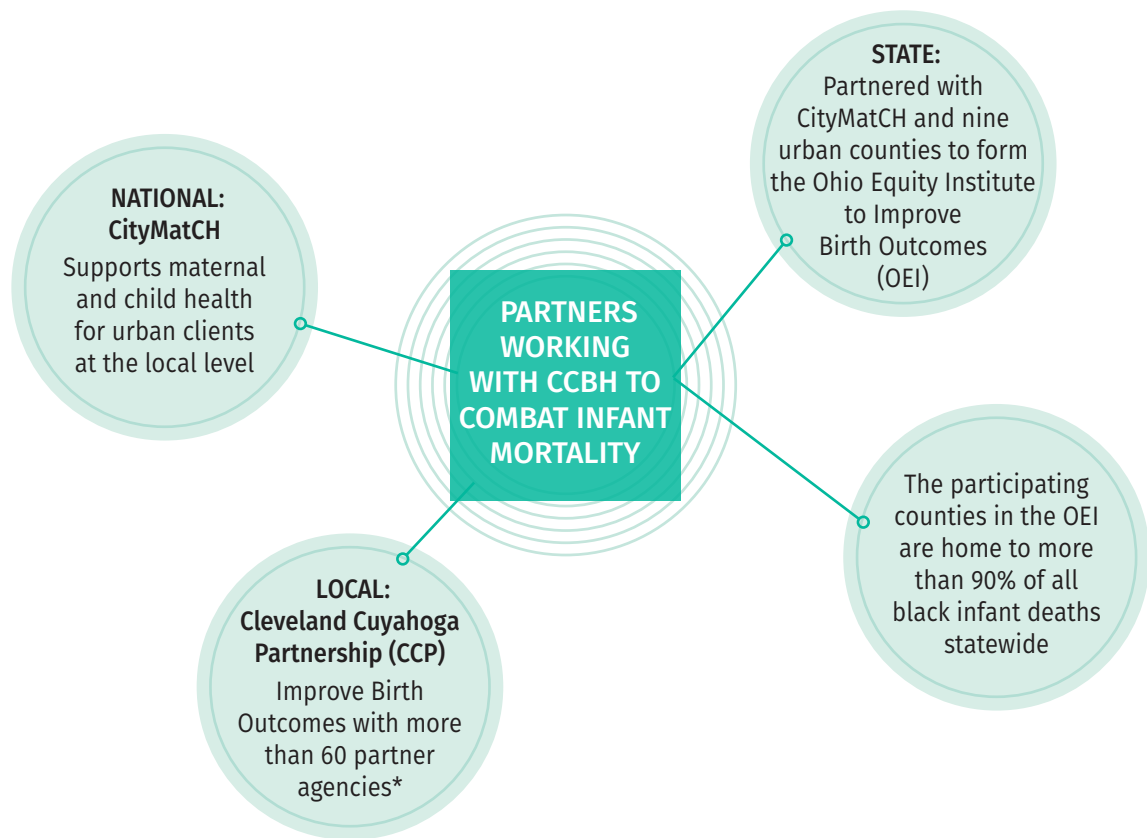
Terry Allan
Health Commissioner & Board Secretary

“Treat every connection, communication and collaboration as part of a continuous relationship.”

Kim Chandler McDonald,
Author, Entrepreneur

Being a long-time provider of maternal and child health programs and services, CCBH strengthened its commitment to addressing infant mortality by making it a priority in the agency's 2016-2020 strategic plan. With the help of many partner agencies and organizations, we look forward to playing a role in lowering our local rates and reducing racial disparities and inequities.

Every one of the agencies that make up the Cleveland Cuyahoga Partnership (CCP) provide an element of service, education or access that makes a difference in the lives of local mothers, babies and families. Among them are breastfeeding and safe sleep initiatives, medical and clinical interventions, and home visiting programs.



*See page 24 for a complete list of CCP partners

- Ohio has one of the nation's highest rates of infant mortality and has for several years.
- The top three causes are prematurity, sleep-related, and birth defects.
- Risk factors for prematurity include smoking, substance abuse, poor nutrition, and lack of prenatal care.



NorthEast Ohio Neighborhood Health Services Inc. (NEON) is a CCP partner that helps to improve birth outcomes in our highest-risk neighborhoods. CCBH collaborates with NEON in East Cleveland, Euclid, Garfield Heights, Maple Heights, and Warrensville Heights.

NEON houses the **Ohio Infant Mortality Reduction Initiative (OIMRI)**, which offers health education, screening, referrals and case management services to African-American women in targeted communities.



- In Cuyahoga County, black babies are three times more likely to die than white babies.
- Of the 15,000 babies born each year in Cuyahoga County, 140 never reach their first birthday.

Over its history of serving more than 500 women, OIMRI has experienced only one infant death. This demonstrates our commitment to the quality and effectiveness of the services delivered to those in our under-resourced communities.

Our strategic goal is to reduce, by 25%, the infant mortality rate and the associated rate of racial disparity countywide by 2020. We recognize and appreciate that this cannot be done without help from our entire health district, which includes the 60-plus members of the CCP, our network of public health partners, our world-class medical community, our civic leaders, and many others.

To better understand the issue of infant mortality, please watch the “One Life” documentary:

<http://hipcuyahoga.org/2016/07/28/one-life-video-sheds-light-infant-mortality-cleveland-area/>

“ It was the spirit of collaboration between the Cuyahoga County Board of Health and NorthEast Ohio Neighborhood Health Services, Inc. that laid the foundation for the successful implementation of the Cuyahoga County Ohio Infant Mortality Reduction Initiative. We are excited, honored and grateful to be part of the team and to increase our service to the community. ”

The OIMRI Team

Please contact Angela Newman-White for more information:
anewman@ccbh.net

Few things in life are as full of mystery and surprise as having a baby. As one of the lead agencies in the Cuyahoga County **Invest in Children** partnership, we offer answers and guidance to at-risk mothers during their first month at home with their baby through our **Newborn Home Visiting** program.

2016 Statistics

Working together with MetroHealth and University Hospitals, our staff helps to identify and enroll families in the program so that they can connect with important resources and services.

Priority groups include teen moms, mothers with a history of drug abuse, domestic violence, and/or homelessness.

This program is offered to families at no cost. To qualify, a family must be below 200% of the federal poverty level and have no insurance or insurance from a government health plan.

Within two weeks of coming home, a CCBH nurse visits the family.

The infant receives a complete physical exam while the mother receives a focused physical exam and is screened for post-partum depression.

Our nurse discusses safe sleep habits, completes a home safety checklist, and shares educational material and tools that help both mother and baby. We also make any necessary referrals for additional community resources based on need.



We follow up to make sure that all is going well. We review care procedures, rescreen the mother for post-partum depression, and verify that proper aftercare has been received. Here's an example of a typical interaction.

A CCBH nurse visited a 19 year-old first-time mom whose baby was not reacting

well to treatment received the day before at the pediatrician. After examining the infant, the nurse contacted the doctor to schedule a follow-up appointment right away. Upon receiving medication, the baby's condition quickly improved. Mom was so grateful to our nurse for her caring and assistance.

“ If it wasn't for you and this visit, I would have thought everything was fine. ”

19-yearold first-time mother



The Cuyahoga County Board of Health Newborn Home Visiting Team

2016 Statistics

How many visits did we make last year?

CCBH nurses completed **1,198** home visits in 2016

How many referrals were made to other agencies in 2016?

Help Me Grow ...	224
Mother's Healthcare Provider ...	178
Maternal Behavioral Health (depression, etc) ...	62
Baby's Healthcare Provider ...	96
Crib/Bassinet Resources ...	12
Lactation Consultant/Support Group ...	10
211/First Call for Help ...	10
Fire Department ...	8
Lead Poisoning/Healthy Homes ...	6
Car Seat Resources ...	1
Clothing Resources ...	1
Diaper Resources ...	1



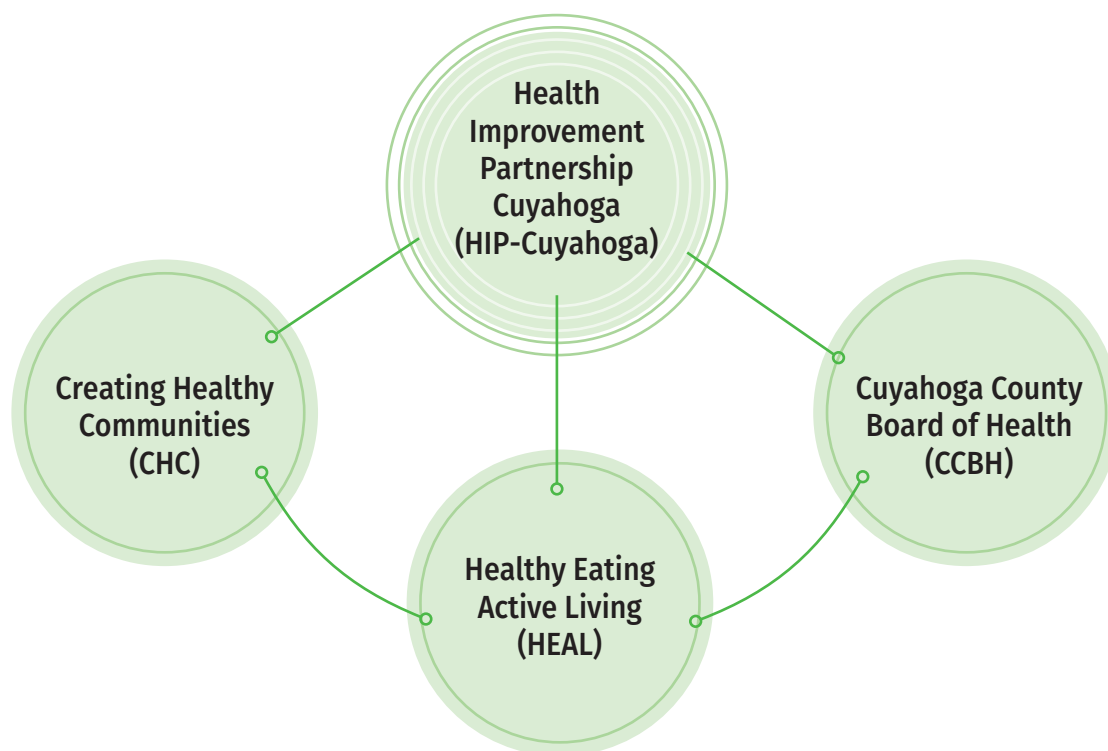
The Cuyahoga County **Good Food Here** Initiative helps to make healthy foods affordable and available at corner and convenience stores in neighborhoods that don't have full-service grocery stores.

Good Food Here locations feature healthy choices such as fresh fruits and vegetables, lean meats, low-fat dairy, low-sodium snacks, and whole grains.



Look for the “Good Food Here” sign at participating local stores.

- One of four Cuyahoga County residents live in a food desert
- Low-income neighborhoods often have less access to healthy foods
- Community health can be improved by providing healthy retail food options



How the partners are connected

Health Improvement Partnership-Cuyahoga (HIP-Cuyahoga), a diverse group of local partners committed to improving health within our communities, supports the work done under the Good Food Here initiative through its Healthy Eating and Active Living (HEAL) subcommittee.

The Creating Healthy Communities (CHC) team focuses on making changes to policies, systems, and environments within a community, school, or workplace. Local CHC program staff are members of the HEAL subcommittee.

CCBH is a co-anchor of the HEAL subcommittee and also houses the local CHC program.

Our state and federal governments provide resources that support our local efforts.

The Prevention Research Center for Healthy Neighborhoods at Case Western University (PRCHN) co-anchors the HEAL subcommittee and has been a guiding force in leading more than 30 local partners in addressing countywide food access. The PRCHN supports our communities by designing, testing, and carrying out interventions intended to reduce and prevent chronic disease in urban neighborhoods.

The goal of the CHC program is to reduce the presence of chronic disease including cancer, diabetes, heart disease, and stroke. In our county, the CHC team works closely with three under-resourced communities: East Cleveland, Euclid and Lakewood.

CHC staff and HIP-Cuyahoga members help local store owners find ways to provide their customers with healthy food options. Increasing the availability of fresh and nutritious foods at the neighborhood level is vital in areas without full-service grocery outlets.

Under the “Good Food Here” initiative, stores in seven Cleveland and East Cleveland neighborhoods were targeted

by the HEAL subcommittee as potential partners. Stores demonstrate their commitment to the program by signing a Memorandum of Understanding and increasing the availability of healthy food options. Thanks in part to the collaboration formed with our partners from the Tremont Healthy Corner Store Initiative, there are currently 21 local stores participating as Good Food Here partners.

CHC and HIP-Cuyahoga staff work closely with store owners to help them overcome any issues associated with acquiring fresh fruits and vegetables. Relationships have been developed with wholesalers and distributors which include helpful incentives such as discounts and delivery service.

The current economic climate dictates the need to leverage resources, collaborate with partners, and help others who seek to achieve similar goals. Together, we will continue to explore opportunities to add to the Good Food Here partnership. Healthy food choices should be everyone’s option.

“With a shared vision and a deepened collaboration, we can now leverage resources and have a bigger impact. By coming together, we can send one stronger message in a more consistent way.”

Dr. Erika Trapl, PhD
Prevention Research Center at CWRU

For more information:
Michele Benko - mbenko@ccbh.net
Dr. Erika Trapl - erika.trapl@case.edu
Hip-Cuyahoga - www.HipCuyahoga.org

"GOOD FOOD HERE" INITIATIVE





The heroin epidemic continues to grow and emergency calls about drug overdoses are unfortunately becoming more common. Local police are often the first to respond to an overdose scene. It is critical that they be prepared to take immediate lifesaving action until medical care arrives.

Naloxone is a medication that can reverse the effects of an overdose caused by opioids such as heroin or fentanyl. If given in time, a victim will be revived within a few minutes.

Thanks to resources made available through our county administration and also **Ohio Mental Health and Addiction Services (OMHAS)**, we were able to purchase naloxone kits for local police departments in 2016.

47 police departments within the county are now equipped with naloxone, resulting in approximately 200 lives being saved since January 2016. (This total is separate from the Project DAWN figure listed below).

- In 2015, one person died every day in Cuyahoga County from a drug overdose
- In 2016, the total grew to 517 victims
- Approximately 750 lives have been saved in our county since 2013 using naloxone kits distributed through the Project DAWN program
- CCBH is providing naloxone kits to local police departments

Project DAWN (Deaths Avoided With Naloxone) saves lives by teaching friends and families how to help those at-risk for an overdose. During 15 minutes of in-person training, they learn about overdose risk factors, what to tell 9-1-1 on the phone if an overdose occurs, how to deliver rescue breaths, and the right way to give naloxone to a victim. A take-home naloxone kit and links to other services are provided at no cost.

Come to the walk-in clinic at our Parma office on Friday mornings to receive this training and get answers to your questions in a confidential setting. Please visit metrohealth.org/projectdawn for more information and listings for other clinic sites.



Project DAWN Partners

- Alcohol, Drug Addiction & Mental Health Services (ADAMHS) Board
- Cuyahoga County Administration
- MetroHealth
- Ohio Department of Health

Public health plays an important support role in the efforts undertaken by our local safety forces. First responders must make split-second decisions that can impact whether a person lives or dies. By connecting them with a lifesaving tool like a naloxone kit, we provide a much-needed resource while also offering hope to the families of victims.

“The availability and use of naloxone by our officers has provided us a valuable tool to give the struggling addicted individual another chance.”

Jeff Capretto
Special Agent in Charge
Westshore Enforcement Bureau



When looking at a list of potential terror targets for the 2016 Republican National Convention (RNC), food was most certainly near the top. Assuring the safety of the food being served to thousands of visitors, including top government officials, required the cooperation of a variety of agencies from across the country.

Since 2013, we have collaborated with the FBI and the Department of Homeland Security to review and refine food protection methods in Cuyahoga County. We provide our local

food operators and establishments with information and guidance about ways in which they can protect their food and their businesses from harm.

Eight weeks prior to the attendees arriving in town for the RNC, our sanitarians conducted hundreds of inspections at food operations located within a one-mile radius of the delegate hotels. Our partners at the Cleveland Department of Public Health (CDPH) were doing the same within their city limits.

- 50,000 visitors came to Northeast Ohio for the Republican National Convention
- One of our main jobs was to prevent food terrorism
- Our partners included the FBI, Homeland Security, and the Secret Service
- We practice food defense every day in Cuyahoga County



During the week of the convention, we inspected 33 hotels every day to ensure that the bars, restaurants, and swimming pools were safe for visitors. At that same time, we assisted CDPH with covering numerous downtown facilities that required surveillance.

While we were working with food service staff to protect the normal flow of food - thawing, cooking, cooling, storage, and reheating - we were also reminding them about the threat of food terrorism and intentional contamination.

Local officials also played a vital role in our food protection efforts, particularly in cities with many hotels and restaurants. Police,

fire, and building departments were actively involved in reviewing and coordinating procedures in order to be prepared for a potential foodborne illness, outbreak or emergency.

Having food that is safe to eat and free from contamination is something most people take for granted. However, food is one of our most vulnerable resources and a great deal of effort is dedicated to protecting our supplies. We are grateful to our federal, state and local partners for helping us to ensure the safety and well-being of the RNC attendees, and also for their contributions to our everyday food defense work.

“The City of Independence played a big role in the 2016 RNC, and our emergency preparation and contingency planning would not have been complete without the help of our Cuyahoga County Board of Health partners. Their constant involvement and engaged participation in drills, inspections, and education was, and continues to be, indispensable.”

Chief Steve Rega
Independence Fire Department



CWRU medical residents and Drs. Heidi Gullett and Johnie Rose



Since 2010, CCBH has partnered with the **Case Western Reserve University (CWRU)/ University Hospitals Cleveland Medical Center (UHCMC) Department of Family Medicine and Community Health** to help train the next generation of physician leaders in public health.

CCBH serves as the primary public health training site for the CWRU/UHCMC Preventive Medicine Residency program.

This accredited program trains physicians not only in clinical prevention, but residents learn about many critical areas of public health:

- Biostatistics
- Communications
- Disease surveillance
- Emergency preparedness
- Environmental health
- Epidemiology
- Health advocacy
- Health policy and administration
- Health promotion
- Informatics
- Occupational medicine
- Quality improvement

There is no typical trainee who enters the program. Some are fresh out of internship, while others have completed primary care residencies, practiced in a specialty, earned second doctorates, or worked as researchers. The common thread among this talented group is a desire to address the “big picture” issues that affect health in our community.

During the two-year program, residents complete a Master’s in Public Health degree at CWRU while seeing patients approximately one day per week. The remainder of their time is spent working with community partners on projects to improve population health.

These projects must meet two criteria: attaining the educational goals of residents and expanding/improving the services offered by the program’s community partners.

Resident projects at CCBH have involved leading a task force to re-organize the way that cancer cluster investigations are conducted, leveraging data from a range of electronic sources for disease surveillance, and helping create new policies and procedures around the use of social media in public health outreach.

In the community, residents have assisted CCBH with legislative advocacy around Medicare coverage of vaccines, responded to the Ebola concerns of 2014, educated providers about reportable disease requirements, and improved access to a life-saving antidote for heroin overdose—to name a few.

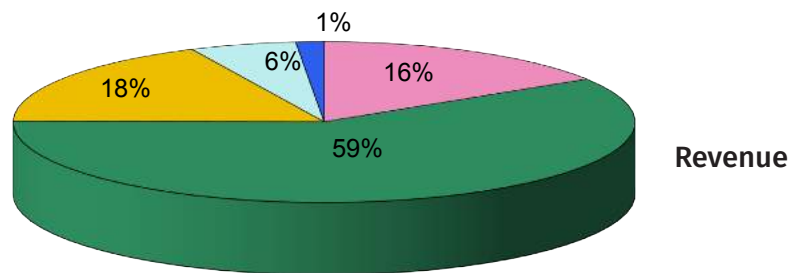
Beyond these projects, residents frequently participate in public health operations at CCBH including outbreak investigations, community events, and media outreach.

“The program is an ideal collaboration that serves the needs of both partners very well. The residents bring a lot of energy, knowledge and skill with them which helps to enrich the level of service we deliver. In turn, we offer experiences that prepare them to lead innovative and impactful public health efforts.”

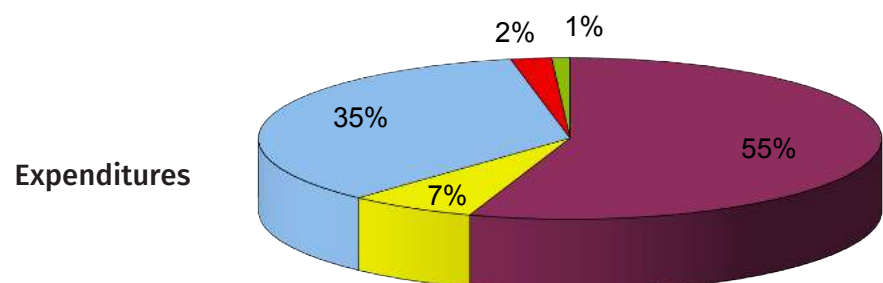
Terry Allan
Health Commissioner

2016 FINANCIAL OVERVIEW

Revenue	In Dollars	Percent of Total	Chart Color
City, Village, and Township	\$3,351,049	16%	
Federal, State and Local Funds	12,315,540	59%	
Licenses, Permits and Fees	3,724,901	18%	
Charges for Services	1,158,794	6%	
Other Receipts	305,336	1%	
Total Revenue	\$20,855,620	100%	



Expenditures	In Dollars	Percent of Total	Chart Color
Personal Services	\$11,593,716	55%	
Services and Charges	1,392,118	7%	
Grants, Subcontracts for Services	7,373,920	35%	
Supplies and Materials	446,001	2%	
Capital Outlays	199,699	1%	
Total Expenditures	\$21,005,454	100%	



OUR FUNDING PARTNERS

Centers for Disease Control and Prevention
Cities, Villages and Townships of Cuyahoga County
City of Cleveland Department of Public Health
Cleveland Foundation
Cleveland Metropolitan Park District
Cuyahoga County Solid Waste Management District
Mt. Sinai Health Care Foundation
National Association of County and City Health Officials
Office of the Cuyahoga County Executive
Ohio Department of Education
Ohio Department of Health
Ohio Department of Transportation
Ohio Environmental Protection Agency
Saint Luke's Foundation
Starting Point
Summit County Health District
U.S. Department of Agriculture
U.S. Department of Health and Human Services
U.S. Department of Housing and Urban Development
U.S. Food & Drug Administration

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- Birthing Beautiful Communities
 - Buckeye Health Plan
 - Care Alliance
 - CareSource
 - Case Western Reserve University
 - Center for Economic Opportunities of Greater Cleveland
 - CityMatCH
 - Cleveland Clinic Foundation
 - Cleveland Department of Public Health
 - Cleveland Foundation
 - Cleveland Municipal School District
 - Cleveland Regional Perinatal Network
 - Cuyahoga County Board of Health
 - Cuyahoga County Health and Human Services
 - First Year Cleveland
 - Friendly Inn Settlement House
 - Harvard Community Services Center
 - Help Me Grow
 - Lexington Bell Community Center
 - March of Dimes
 - Merrick House
 - MetroHealth Medical Center
 - Molina Healthcare
 - MomsFirst
 - Neighborhood Connections
 - Neighborhood Family Practice
 - Neighborhood Leadership Institute
 - NorthEast Ohio Neighborhood Health Services Inc
 - Ohio Department of Health
 - Ohio Guidestone
 - Paramount Advantage
 - Planned Parenthood
 - Providence House
 - Sisters of Charity Foundation
 - St. Martin de Porres Family Center
 - The Centers
 - University Hospitals
 - Women Infants and Children

Central

1. Paul’s Serv-Rite

4621 Central Ave, Cleveland 44104

2. Transmart

3608 Woodland Ave, Cleveland 44115

3. M & I Deli

2288 E. 55th St. , Cleveland 44103

East Cleveland

4. Express Gas

15400 Euclid Ave, East Cleveland 44112

5. Food Town

15545 Euclid Ave, East Cleveland 44112

6. Hayden Food Plus

1730 Hayden Avenue, East Cleveland 44112

7. Noble Food Deal

2230 Noble Road, East Cleveland 44112

8. R’s Beverage & Deli

1399 Hayden Ave, East Cleveland 44112

Hough

9. Prime Meats

7710 Superior Ave, Cleveland 44103

10. C-Town Food & Deli

8812 Hough Ave, Cleveland 44103

South Collinwood

11. Vienna Market

14102 St Clair Ave, Cleveland 44110

Saint Clair/Superior

12. Azman & Sons Market

6501 St. Clair Av, Cleveland 44114

13. Sheliga Drug True Value

6025 St. Clair Ave, Cleveland 44114

Tremont*

14. Tremont Convenience Food Mart

2630 West 14th Street, Cleveland 44113

15. Caribe Bake Shop

2906 Fulton, Cleveland 44113

16. Abbey Market

1922 Abbey Avenue, Cleveland 44113

17. Professor Market

2233 Professor Avenue, Cleveland 44113

18. Tremont General Store

2418 Professor Avenue, Cleveland 44113

Glenville

19. The Shop

11333 Superior Ave, Cleveland 44106

20. Ashbury Foods

11025 Ashbury Ave, Cleveland 44106

21. Parkwood Drive Thru

11003 Superior Ave, Cleveland 44106

* The Tremont Healthy Corner Store Initiative

This list is updated periodically at
www.HipCuyahoga.org



Community Walk-In Clinics

Thomas F. McCafferty Health Center

4242 Lorain Ave., Cleveland, OH

Walk-in hours: Thursdays, 4pm - 8pm

The Cuyahoga County Board of Health

5550 Venture Dr., Parma, OH

Walk-in hours: Fridays, 9am - 12pm

The Free Medical Clinic of Greater Cleveland

12201 Euclid Ave., Cleveland, OH

Walk-in hours: Fridays, 1pm - 5pm

To contact by phone: 216-778-5677

Your CCBH Leadership Team

Health Commissioner – Terry Allan

Chief Financial Officer – Judy Wirsching

Environmental Public Health – Rick Novickis, Wallace Chambers, John Sobolewski

Epidemiology, Surveillance & Informatics – Chris Kippes

Legal Counsel – Thomas O'Donnell, Esq.

Organizational Development – Najeebah Shine

Prevention & Wellness – Claire Boettler, Romona Brazile, Martha Halko

For more information:

Kevin Brennan, Communications Officer
kbrennan@ccbh.net

For a complete listing of CCBH staff contacts:

www.ccbh.net/staff-directory

CUYAHOGA COUNTY
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BOARD OF HEALTH
YOUR TRUSTED SOURCE FOR PUBLIC HEALTH INFORMATION

5550 Venture Drive Parma, Ohio 44130
216-201-2000 www.ccbh.net



COMMUNITIES SERVED

Bay Village	Garfield Heights	Oakwood Village
Beachwood	Gates Mills	Olmsted Falls
Bedford	Glenwillow	Olmsted Township
Bedford Heights	Highland Heights	Orange Village
Bentleyville	Highland Hills	Parma
Berea	Hunting Valley	Parma Heights
Bratenahl	Independence	Pepper Pike
Brecksville	Lakewood	Richmond Heights
Broadview Heights	Linndale	Rocky River
Brooklyn	Lyndhurst	Seven Hills
Brooklyn Heights	Maple Heights	Solon
Brook Park	Mayfield Heights	South Euclid
Chagrin Falls Township	Mayfield Village	Strongsville
Chagrin Falls Village	Middleburg Heights	University Heights
Cleveland Heights	Moreland Hills	Valley View
Cuyahoga Heights	Newburgh Heights	Walton Hills
East Cleveland	North Olmsted	Warrensville Heights
Euclid	North Randall	Westlake
Fairview Park	North Royalton	Woodmere

CUYAHOGA COUNTY BOARD OF HEALTH

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