

ANNUAL REPORT

2019

for
**Champaign-Urbana
Public Health District**

201 W. Kenyon Road - Champaign, IL 61820



Public Health
Prevent. Promote. Protect.

Champaign-Urbana Public Health District

www.c-uphd.org

Introduction	2
Letter from the Administrator	3
CUPHD Board of Health	5
<u>Administration</u>	
ACME (Activity, Communication, Morale & Education)	9
Champaign County Medical Reserve Corp	9
Communicable Disease Corner	10
Emergency Preparedness Program	13
Finance	16
Human Resources	18
Information Technology	21
PHIRE (Public Health Institute for Research & Excellence)	21
Public Relations	21
<u>Programs</u>	
Environmental Health	23
Teen & Adult Services	27
Maternal & Child Health	31
Wellness & Health Promotion	35
CUPHD Information Guide	43



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Champaign-Urbana Public Health District

Champaign-Urbana Public Health District Annual Report—2019

The Champaign-Urbana Public Health District (CUPHD) has worked since 1937 to prevent disease and promote public health.

In 1996, the Champaign County Public Health Department was formed by a referendum of county voters bringing many of the same public health services to Champaign County residents living outside Champaign-Urbana.

Together these agencies provide a host of vital services to all Champaign-Urbana residents, as well as selected services to Champaign County residents at large. Public Health services include, but are not limited to, environmental health inspections and permits; disease tracking, reporting, and investigation; HIV counseling and testing, prevention, and management; sexually transmitted disease testing and treatment; family planning services; education and health promotion; preventive services and case management for women; immunizations; and an array of other services to pregnant women, children, teenagers, and adults of all ages.

This is a progressive report of public health services provided by the Champaign-Urbana Public Health District in 2019.



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Mission Statement

The Mission of Champaign-Urbana Public Health District is: To improve the health, safety and well-being of the community through prevention, education, collaboration, and regulation.

Vision Statement

The Champaign-Urbana Public Health District is a progressive and respected advocate for the health, safety, and well-being of our community.

Values Statement

At the Champaign-Urbana Public Health District, we believe that all people have an equal right to health, safety, and well-being. We will strive to model respect, compassion, and integrity while providing services that are both innovative and adaptive to the culturally diverse population we serve. We will protect and promote the health and well-being of the community and position ourselves to respond to current and future public health challenges by building collaborative partnerships, continually measuring and improving effectiveness, maintaining sustainability, and demonstrating transparency.

Our Goals

- To Prevent Disease, Injury, and Disability
- To Promote Healthy Lifestyles
- To Provide Early Diagnosis for Improved Health Outcomes and Reduced Health Care Costs

Letter from the Administrator



Julie A. Pryde, MSW, MPH

For the Champaign-Urbana Public Health District, 2019 was a reminder that regardless of what programs and services we provide, our work must quickly adapt when an infectious disease outbreak occurs. The year started with an outbreak of measles and ended with the emergence of a novel coronavirus outbreak. In between infectious disease outbreaks we managed to launch some amazing programs and partnerships, build capabilities of our staff, provide basic essentials to clients in need, and we were even honored as a 2019 Health Department of the Year by the National Association of City and County Health Officials.

Using funds from the Kresge Foundation's "Emerging Leaders in Public Health" program Awais Vaid, Deputy Administrator, and I spent the year receiving coaching, leadership training, and consulting to help transform Champaign-Urbana Public Health District into a Community Health Strategist (CHP) role. This new role as a Community

Health Strategist is integral to CUPHD meeting the challenges of Public Health 3.0. According to the CDC, "Public Health 3.0 refers to a new era of enhanced and broadened public health practice that goes beyond traditional public department functions and programs. At the core of Public Health 3.0 is the notion that local communities will lead the charge in taking public health to the next level and ensuring its continued success."

As part of the transition to Public Health 3.0 all of CUPHD staff were trained in Trauma-informed care and participated in a poverty simulation. CUPHD has hired a consultant to provide all staff with anti-racism training. This goes a step-above typical diversity training. CUPHD also created our first ever Diversity Council to guide our programs, policies and practices.

In 2019, CUPHD leased out all extra space in our 99,000 square foot building. In addition to our programs and services, CUPHD's building also hosts The Child Advocacy Center, Community Health Partnership, The U of IL Extension's IL Nutritional Education Services, The Refugee Center, CU FAIR, and Three Spinners, and are currently working on adding a clinic for Avicenna Health Center. Sharing a building has allowed us to create synergistic benefits for our clients. In 2019 we hosted the Guatemalan Consulate, held an International Friendship Festival, and our on-site food pantry operated by Friends of Champaign County Food Pantry distributed healthy food to clients accessing

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LETTER FROM THE ADMINISTRATOR

our building for any service. U of I Extension also allows CUPHD to use their commercial kitchen to prepare meals for our Summer Food Program.

As we start 2020, CUPHD is excited to move our health department into the future. We will reach out to make sure our Community Health Needs Assessment and Community Health Improvement Plan reflect voices of those who are often unheard. We will continue to provide staff training as well as opportunities for our staff to help train others. We will focus on our role as Community Health Strategist and to collaborate with our amazing community partners to ensure ALL have equal access to the

tools necessary for health and safety.

It is with great enthusiasm that we begin the 83rd year of CUPHD's service to our community! I am starting my 25th year as an employee of Champaign-Urbana Public Health District, and I couldn't be happier with where we are! I am proud of our role in our community, and I am grateful for the amazing, creative and dedicated colleagues who I get to work with every day! Whether it is creating more meaningful, accessible programs and services or fighting a pandemic, I know we have the right team in the right community to be successful!



Champaign-Urbana Public Health District Board of Health

The Champaign-Urbana Public Health District (CUPHD) is governed by a three-person voting board made up of elected Champaign-Urbana officials. Advisors to the board include an appointed medical advisor, attorney, and treasurer. This governing board is directly responsible for overall operations, financial stability, and the community standing of the Champaign-Urbana Public Health District.



Andy Quarnstrom

I grew up in Aurora, IL and after graduating high school decided I wanted a career in public safety. I entered Emergency Medical Technician school and after completion started working for an ambulance company in Morris, Illinois. Realizing I enjoyed the medical field as well as the challenges, I attended Paramedic school at Delnor Community Hospital in Geneva. After completing the course as well as clinicals, I was hired as a paramedic for the Morris Fire Protection District in Morris, Illinois. I worked two years as a paramedic and was hired by Champaign Fire Depart-

ment in July of 1997. At CFD, I have progressed through the ranks and am currently a Battalion Chief. I have been active on numerous committees at the fire department as well as with Champaign Firefighters Local 1260, the labor organization that represents Champaign Firefighters. I graduated from Parkland College with an A.A.S. degree specializing in Paramedicine.

In 2013, I ran and was elected as the City of Champaign Township Supervisor. Since taking office we have expanded our available programs as well as increased the services provided to our citizens. In 2018, I was appointed to the National Association of Local Boards of Health as an at Large Member and re-elected later that year.

I am active in many community organizations including mentoring, coaching, as well as the United Way of Champaign County Board of Directors, and St. Matthew's Catholic Church. My wife, Erin, a speech pathologist on the Champaign Unit 4 autism team, and I were married in 2003. We have two children, Patrick and Ruari, who attend St. Thomas Moore and St. Matthew's in Champaign. We enjoy children's activities, traveling, as well as working on projects around the house.

Advisors to the CUPHD Board of Health include:

- ◆ Ron Fields, Treasurer
- ◆ Fred Grosser, Attorney
- ◆ Dr. Anne Robin, Medical Advisor

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Danielle Chynoweth

Danielle is a social change artist dedicated to confronting the roots of poverty and violence. Danielle currently serves as Cunningham Township Supervisor, a public aid office that supports and advocates for low-income residents in Urbana.

From 2014-2016 she served as Organizing Director at the Center for Media Justice, where she coordinated a national network of racial justice leaders to win political campaigns for net neutrality, prison phone justice, and broadband expansion for low-income families. In 2010, she managed the national campaign that won passage of the Local Community Radio Act. She managed the campaign for Carol Ammons for State Representative, the first African American to serve in the Illinois 103rd district; and co-managed the campaign for Laurel Prussing, the first woman to serve as Mayor of Urbana. From 2001-2008, she served on Urbana's City Council, spearheading the creation of the public arts program, living wage ordinance, and civilian review board of police. Danielle co-founded the Urbana-Champaign Independent Media Center, which has sponsored over 60 media justice projects internationally. From

2000-2014 she was Vice-President and partner of Pixa, a technology company in Urbana. She has presented on media and social change in Thailand, Burma, Italy, and Kenya, and as an Evans Scholar at Evergreen State College. She was awarded Woman of the Year in 2011 by Central Illinois Business Magazine.



Giraldo Rosales

Born in Havana, Cuba, raised in Chicago, Illinois, Giraldo Rosales has had the life-long drive to advocate for social justice and equity for all.

Giraldo's journey has lead him from a non-English speaking refugee, to an up and coming reformist who has worked as a bilingual coordinator, teaching Bilingual education and ESL in some of the Chicago's most underserved school districts.

Giraldo accepted a position at the University of Illinois at Urbana-Champaign and held tenure as the Director, of La Casa Cultural Latina (UIUC's Latino cultural center) for many years, until his promotion to the Office of the Dean of Students as an Assistant Dean of Students and subsequently promoted to Assistant Director, Office of Diversity,

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Equity and Access, Office of the Chancellor, to his retirement in 2018.

Rosales has spent his entire professional career giving back to those who walk in the shadows of America's dreams.

Never tiring of new challenges and changes, Giraldo divides his entire energies between his family, philanthropic work and services to the community he resides.

Serving on numerous boards and commissions in the City of Champaign, Rosales has served as an "At-Large City Council Member", the first Hispanic to be elected in the history of City of Champaign. He also served on the

Champaign-Urbana Joint Cable and Telecommunications Commission and is a currently Chair, of the Champaign County Board, District 8.

He is devoted and committed to the principles of social justice, humanitarianism and stands behind the Rotary motto of "Service above self".

Recently retired, as Assistant Director, Office of Diversity and Equity and Access, Office of the Chancellor was responsible for improving the campus climate for women, and underserved faculty, staff and students by developing and implementing programs that address diverse communities, women's issues and gender-related concerns.



Administration

ACME—Activity, Communication, Morale, & Education

The mission of the ACME committee is to improve employee morale through activities, enhanced communication, and educational opportunities for staff.

Activities that ACME hosted or was involved with during 2019 included:

- Halloween costume contest and workspace decorating contest
- Electronics giveaway
- Silent auction



Champaign County Medical Reserve Corps

Medical Reserve Corps (MRC) units are community-based and function as a way to locally organize and utilize volunteers who want to donate their time and expertise to promote healthy living throughout the year, and to prepare for and respond to emergencies. MRC volunteers supplement existing local emergency and public health resources. MRC volunteers include medical and public health professionals such as physicians, nurses, pharmacists, dentists, veterinarians, and epidemiologists. Other community members, such as students, interpreters, chaplains, office workers, and legal advisors, can fill other vital support positions. The Champaign County Medical Reserve Corps is housed under CUPHD and was established in 2006.

2019 Activities:

- Ongoing joint partnership with McKinley
- Emergency preparedness trivia with children and distribution of first aid kits at the Play it Safe Event
- Volunteer participation at the Friendship Festival
- SIREN and IL HELPS Drills
- Utilized illinoishelps.net for credentialing and background checks of all volunteers



Playing It Safe Fair - 2019

Communicable Disease Corner

Section 690.100 of the Illinois Administrative Code defines a list of 63 diseases that are declared to be contagious, infectious, or communicable and may be dangerous to the public health. Each suspected or diagnosed case needs to be reported to the local health authority, who shall subsequently report each case to the Illinois Department of Public Health.

Each year the Champaign-Urbana Public Health District staff investigates over 100 reportable communicable diseases. Reports come from hospitals, clinics, laboratories, veterinary school, physician offices, and from the general community. Follow up is done within the reporting timeline as defined in the Administrative Code.

In addition to the routine follow-up, there are outbreaks of communicable diseases that need to be investigated and resolved in a timely manner. To deal with outbreaks, the Health District adopts a team approach based on the National Incident Management System (NIMS) model.

Champaign County had nine outbreaks during 2019:

- 2 Norovirus foodborne outbreaks
- 2 Norovirus person-to-person outbreaks
- 1 Escherichia coli waterborne outbreak
- 1 Varicella outbreak
- 1 Measles outbreak
- 2 Cryptosporidium outbreaks

2019 Measles Outbreak

CUPHD investigated four confirmed cases of measles in 2019, all of which were epidemiologically linked. The measles virus is a vaccine-preventable, highly contagious viral illness. Transmission of the disease is primarily person-to-person via large respiratory droplets. Transmission typically occurs four days before the onset of rash up until four days after rash appearance, and airborne transmission via aerosolized droplet nuclei has been documented in closed areas for up to two hours after a person has left the area. The virus can cause serious health complications especially in children younger than 5 years of age, and about one in five people in the U.S. who get measles will be hospitalized. It was imperative for CUPHD to prevent the spread of the communicable disease in Champaign County. In order to do this, the district had to identify potential contacts of every measles case in order to verify presumptive immunity to measles, and in some cases, direct people to their health care provider for post exposure prophylaxis. Contacts to a confirmed case were presumed to be immune to measles if they had laboratory confirmation of immunity, had documentation of at least one dose of MMR vaccine or had been born before 1957. During the outbreak, CUPHD quickly learned that many contacts did not have their vaccination records, and the quarantine period for measles is 21 days from the date of exposure, so CUPHD nurses began collecting blood samples for serological testing throughout the outbreak response.

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Contacts to confirmed cases were identified through press releases, hot lines, employee interviews, staff schedules, healthcare facility patient lists, and class rosters. Of approximately 1,200 contacts identified, only 26 individuals were unable to provide evidence of presumptive immunity and placed on quarantine and actively monitored for symptoms for 21 days following the first date of possible exposure. No one in quarantine developed symptoms and the outbreak officially ended March 25, 2019. The best way to prevent measles is to get vaccinated.

2019 E-cigarette, Vaping Associated Lung Injury (EVALI) Outbreak

In August of 2019, the Champaign-Urbana Public Health District was part of a multistate outbreak investigation of E-cigarette, vaping associated lung injury (EVALI). The Illinois Department of Public Health sent out information to Illinois providers requesting reporting of patients with suspected serious respiratory illness due to vaping. In response to this request CUPHD, interviewed 10 patients of interest. Of the patients interviewed, CUPHD identified one confirmed case and five probable cases.

Perinatal Hepatitis B Program

According to the Centers for Disease Control (CDC), Hepatitis B virus (HBV) infection in a pregnant woman poses a serious risk to her infant at birth. Without post-exposure immunoprophylaxis, approximately 40 percent of infants born to HBV-infected mothers in the United States will develop chronic HBV infection, approximately one-fourth of whom will eventually die from chronic liver disease. To reduce the risk of infants born to HBV-infected women in Champaign County, the Champaign-Urbana Public Health District, in collaboration with the Illinois Department of Public Health, established a case management program to identify HBV-infected mothers and educate providers. This is to ensure that when these infants are born they receive Hepatitis B immune globulin and hepatitis B vaccine within 12 hours of birth, and complete the Hepatitis B vaccination series according to the recommended schedule for infants born to HBsAg-positive mothers. In addition, Post Vaccination Serologic Testing (PVST) should be initiated following completion of vaccination series to verify immunity to Hepatitis B.

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Brucella Canine Case

In September 2019, the Champaign-Urbana Public Health District was notified about a dog that tested positive for Brucella Canine. CUPHD followed up with 14 exposed staff at the veterinary clinic, using the screening tool for B. Canine. CUPHD interviewed staff about high risk exposure to the case which included contact with the following: reproductive fluids such as semen, vaginal secretions, and blood. All high risk persons identified were referred to their health care provider for further medical evaluation. Canine brucellosis is an infectious disease caused by the *Brucella* bacteria. The canine strain is *Brucella*

canis (*B. canis*); however, *Brucella* organisms commonly associated with other animal species, such as *B. suis* (pigs) and *B. abortus* (cattle and bison), can infect dogs depending upon their exposures to these species. The risk of acquiring canine brucellosis from a dog is very low in most situations. Canine brucellosis can spread to humans by close contact with secretions from the reproductive tract, such as aborted puppies or vaginal secretions from infected dogs. Fluids that are less risky but could transmit include milk, urine, saliva, and feces from an infected dog. Infection usually results when infected tissues or secretions come in contact with broken skin or are accidentally ingested.

Communicable Diseases Reportable by Law under Illinois Administrative Code 690.100 Reportable Diseases 2019

	Champaign Co.		Champaign Co.
Class 1(a) Reported Immediately		Class 2 Reported Within 7 Days	
None		Campylobacteriosis	47
		Cyclosporiasis	3
Class 1(b) Reported Within 24 Hours		Cryptosporidiosis	29
Chickenpox	15	Hep A	1
Enteric E. Coli	14	Hep B	21
Haemophilus Influenza	7	Hep C	52
Influenza ICU Admissions	14	Histoplasmosis	16
Measles	6	Legionellosis	6
Mumps	2	Lyme disease	6
N. meningitides, invasive	3	Salmonellosis	31
Pertussis	7	Shigellosis	2
Rabies, Potential Human Exposure	5		
Streptococcal Infections, Group A	5		

Emergency Preparedness Program

CUPHD is the lead agency in Champaign County for public health-related emergencies. CUPHD works very closely with our community partners as well as the Illinois Department of Public Health during responses to emerging threats and communicable disease outbreaks, and continues to develop, practice and refine its response plans in coordination with partners through drills, table top exercises, and full scale exercises. Examples of public health emergencies include terrorist threats, infectious disease outbreaks, natural disasters, and biological, chemical, nuclear and radiological emergencies. The goal of the Emergency Preparedness Program is to prepare Champaign County for an active public health response in the event of a large scale emergency. The Emergency Preparedness Program is funded by the Illinois Department of Public Health, who receives federal funding and guidance from the Centers for Disease Control and Prevention (CDC). To help health departments in strategic planning, CDC has published standards for 15 public health emergency preparedness and response capabilities. CUPHD uses these standards as well as information obtained through community hazard and vulnerability assessments to guide its preparedness efforts.

The program:

- Administers workforce training in emergency response.
- Implements National Incident Management System (NIMS) and monitors training compliance for all CUPHD staff.
- Conducts outreach and collaboration with external partners such as public safety, private sector, non-governmental organizations, the Champaign Regional Health Care Coalition, and community organizations for countywide emergency response and preparedness.
- Facilitates the creation of new plans for public health threats.
- Maintains and modernizes various emergency plans (e.g. All-hazards emergency operations plan, medical countermeasure dispensing, non-pharmaceutical interventions, pandemic influenza plans, and Continuity of Operations plans).
- Conducts drills and exercises that test emergency plans and public health capabilities.
- Implements corrective actions through improvement plans.
- Coordinates and operates sites that will serve as emergency points of distribution (PODs) where medicine or vaccine will be dispensed in an emergency.
- Recruits and trains volunteers to help local public health staff in a health emergency.

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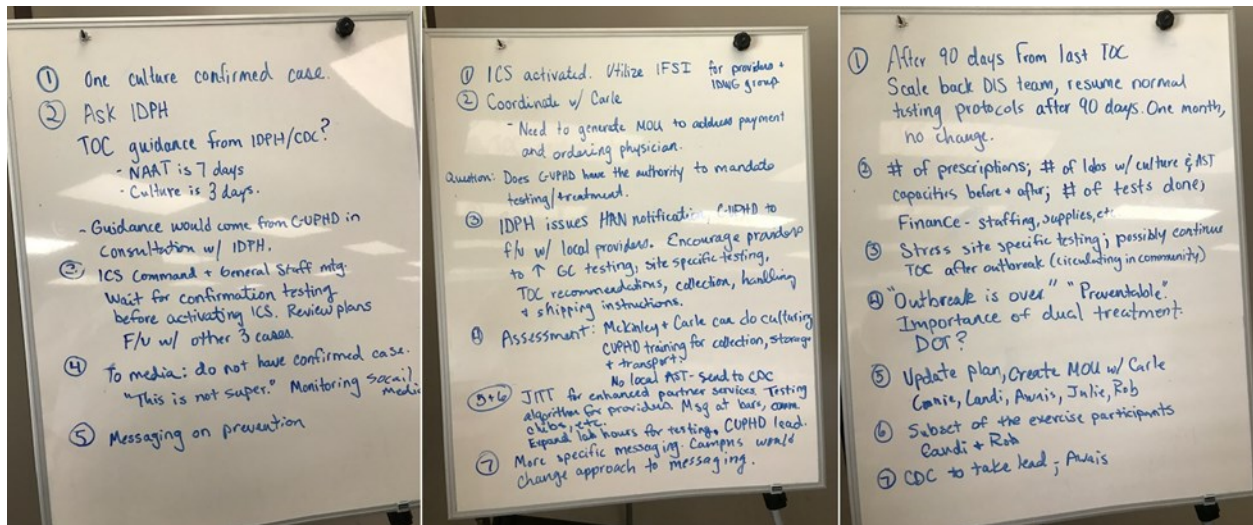
Notable activities in 2019:

- Local Sierra Club panelist and Outreach to students at Eastern Illinois University, Illinois State University, the University of Illinois at Urbana-Champaign, and Residents at Carle Foundation Hospital.
- Participation in the Champaign County Hazards and Mitigation Plan update (ongoing).
- Participation in the Family Reunification virtual table top exercise at the Champaign County Emergency Operations Center.
- CUPHD, in coordination with Champaign County Emergency Management Agency and the Champaign Police Department, hosted a tabletop exercise with local CMS providers and suppliers to help them prepare for a scenario of their choice. The scenario for the 2019 exercise was an active shooter/armed intruder event. A total of eight healthcare organizations participated in the exercise at CUPHD.
- CUPHD participated in the Parkland/University of Illinois at Urbana-Champaign functional earthquake exercise at the Illinois Fire Service Institute. This exercise expanded on the earthquake exercise scenario presented in 2017 and 2018.
- Staff from every division helped to perform N95 respirator fit-testing for 71 staff members. Two CUPHD staff members and one Champaign County Sheriff Deputy was trained to use a Contained Air Purifying Respirator (CAPR).
- CUPHD participated in the United States Postal Service Biological Detection System (BDS) Tabletop Exercise at the Champaign Regional Mail Distributional facility.
- In coordination with the Centers for Disease Control (CDC) and the Illinois Department of Public Health, the CUPHD developed a Ceftriaxone-Resistant Gonorrhea Outbreak Response Plan and tested the plan with community, state and federal partners. Participants used the experience of the exercise to inform CDC development of an electronic antibiotic-resistant gonorrhea tabletop tool kit that can be utilized by local jurisdictions and states to implement their own tabletop exercise. This project fostered a collaboration between CUPHD and the Institute of Genomic Biology at the University of Illinois at Urbana-Champaign to improve the surveillance of antibiotic-resistant *Neisseria gonorrhoeae* in Champaign County.

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2019 CMS Active Shooter/Armed Intruder TTX



Notes taken during the ARGC TTX

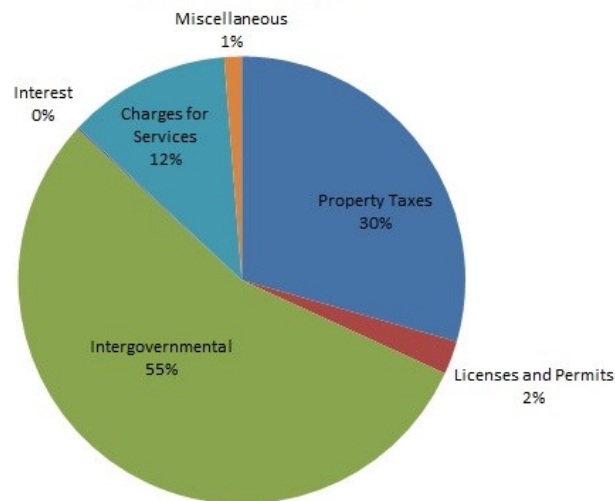
Finance

The Finance Division is responsible for recording all sources of revenues and expenditures for CUPHD by activity and ensuring that all financial activity is accounted for properly and is in compliance with federal and state regulations.

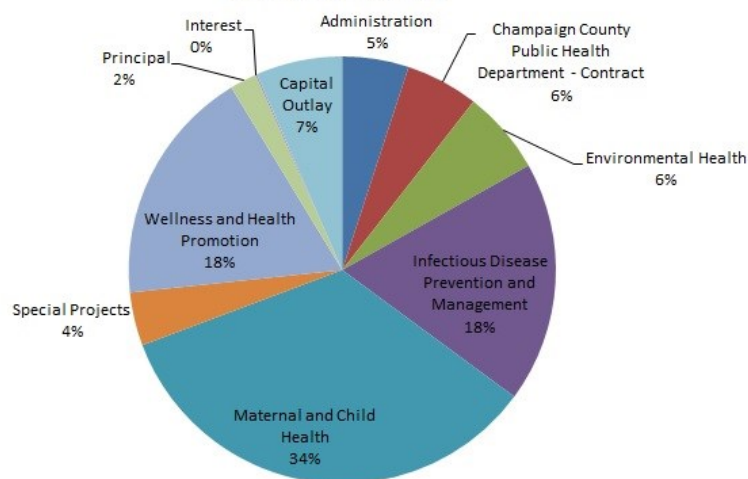
Revenue remained flat with a zero percent change from the previous year.

Expenses increased approximately 14 percent, with most of the increase coming from the replacement of the roof in the amount of \$692,000. The Fund Balance remained healthy at 34 percent of budgeted expenditures as compared to the target of 25 percent. Cash on-hand ended with a balance equal to 29 percent of actual expenditures.

Champaign-Urbana Public Health District Total Revenues for the Year Ended June 30, 2019



Champaign-Urbana Public Health District Total Revenues for the Year Ended June 30, 2019



Cont'd

Champaign-Urbana Public Health District				
Statement of Revenues, Expenditures, and				
Changes in Fund Balances (Deficit) - Governmental Funds				
For the Year Ended June 30, 2019				
	General	IMRF	Other	Total
	Fund		Governmental	Governmental
			Funds	Funds
Revenues				
Property Taxes	\$ 3,241,046	\$ 295,132	\$ 109,175	\$ 3,645,353
Licenses and Permits	298,283	-	-	298,283
Intergovernmental	6,612,001	152,666	40,817	6,805,484
Interest	15,641	-	-	15,641
Charges for Services	1,458,987	-	-	1,458,987
Miscellaneous	55,015	-	102,024	157,039
Total Revenues	11,680,973	447,798	252,016	12,380,787
Expenditures				
Administration	577,627	64,234	25,288	667,149
Champaign County Public Health Department - Contract	663,069	50,261	17,436	730,766
Environmental Health	756,175	57,350	27,518	841,043
Infectious Disease Prevention and Management	2,270,042	120,763	29,100	2,419,905
Maternal and Child Health	4,288,782	205,710	41,802	4,536,294
Special Projects	503,004	26,379	7,101	536,484
Wellness and Health Promotion	2,208,389	135,284	44,248	2,387,921
Debt Service:				
Principal	267,472	-	-	267,472
Interest	18,537	-	-	18,537
Capital Outlay	114,469	46	753,130	867,645
Total Expenditures	11,667,566	660,027	945,623	13,273,216
Excess (Deficiency) of Revenues Over Expenditures	13,407	(212,229)	(693,607)	(892,429)
Other Financing Sources (Uses)				
Transfers In	-	-	374,182	374,182
Transfers Out	(374,182)	-	-	(374,182)
Total Other Financing Sources (Uses)	(374,182)	-	374,182	-
Net Change in Fund Balance	(360,775)	(212,229)	(319,425)	(892,429)
Fund Balances (Deficit), Beginning of Year, as Restated	4,501,446	351,155	490,354	5,342,955
Fund Balances (Deficit), End of Year	\$ 4,140,671	\$ 138,926	\$ 170,929	\$ 4,450,526

Human Resources

The Human Resource Department provides support and training services to ensure CUPHD employees have the tools they need to meet the District's mission and recruitment services to ensure the District maintains a strong workforce.

The Human Resource department is responsible for: recruitment; career guidance and advancement; formulation and enforcement of employee policies and procedures for best practices; health and safety compliance; training and development; benefits administration; job classification analysis; performance evaluation and management; compliance with employment laws; IMRF pension administration; and administration of equal employment opportunity policies.

Take Our Daughters & Sons to Work Day®

The 2019 annual Take our Daughters and Sons to Work Day® was held on Thursday, April 25, 2019. Fifteen students ranging in age from 4 to 13 participated. The day was hosted by interns from the University of Illinois, School of Social Work. Activities included creating a healthy breakfast of fruit and granola, DIY Chia Pet project; escape room challenge (Escape the Virus); microscope viewing and physical activities including relay races and hula hoop competition.

HR Workforce Development & Related Activities:

- January 2019, Emerging Leaders in Public Health Leadership Training.
- February 2019, Poverty Simulation Exercise.
- March 2019, Behavioral/Mental Health Presentation.
- April 2019, Providing Quality Care to LGBT Patients.
- May 2019, Freedom of Information Training by Attorney General's Office.
- May 2019, Trauma-Informed Training.
- July 2019, General Inclusive Environment Training.
- August 2019, Budget vs. Actual Expenditures Training.
- September 2019, Strategic Planning Retreat.
- September 2019, Fair Labor Standards Revised Salary Threshold Training.
- September 2019, HIPAA Training.
- November 2019, the annual Americans with Disabilities compliance audit was conducted.

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- November 2019, the annual Workforce Development Plan was finalized.
- November 2019, EPI Pen Review Training.

2019 Staff Promotions:

- Jennifer Schroeder—Environmental Health Specialist I to Environmental Health Specialist II, January 2019
- Tatiana Gonezock-Nnoug—Public Health Nurse I to Public Health Nurse II, April 2019
- Arriel Phillips—Public Health Nurse I to Public Health Nurse II, June 2019
- Robert Davies—Emergency Preparedness Planner to Emergency Preparedness Coordinator, September 2019
- Stephanie Taylor—Intake Specialist to Administrative Assistant II, September 2019
- Charles Laugges—Accountant II to Accounting Coordinator, October 2019
- Joseph Trotter—Case Manager/Counselor to Prevention Program Coordinator, November 2019

Additional information:

- College/University Student Internships—19 student interns were engaged in CUPHD programming efforts throughout 2019.
- Freedom of Information requests totaled 93 for 2019.



2019 Take our Daughters and Sons to Work Day®

Cont'd

Health & Safety Training & Development

Monthly Staff Compliance Training:

• Blood Borne Pathogens	112
• Cultural Competency Training	116
• Emergency Preparedness	113
• Ergonomics	113
• Fraud Waste & Abuse	115
• Hazard Communication	116
• HIPAA Privacy Rule	114
• HIPAA Security Rule	117
• Influenza Safety	115
• Privacy Breach & Identity	114
• TB Infection Control	112
• Workplace Violence Protection	107

Trainings / OSHA:

• CPR—clinical staff	12
• Employee Influenza Vaccinations	134
• Intern Immunization Screenings	19
• N-95 Mask Fittings	71
• N-95 Medical Screenings	9
• TB Screenings	5
• TB Skin Tests	105

Safety Officer / Safety Committee Activities:

- Annual Earthquake Drill
- Annual Fire Drill
- Annual Review Safety Plans
- Annual Review Emergency Plans
- Annual Review Safety Data Sheets (SDS)
- Annual Tornado Drill
- Bi-Monthly Agency Safety Inspections
- Bi-monthly Safety Committee Meetings
- IPRF Loss Control Consultant Safety Inspection



Information Technology

Information Technology is directly responsible for all day-to-day electronic operations at CUPHD. In addition, Information Technology oversees the creation and updating of the CUPHD website, the CUPHD closed-circuit TV system, phone systems, and audio systems.

Information Technology staff members provide case-by-case solutions for electronic issues, computer trainings, and educational opportunities for CUPHD staff. Information Technology is the central resource for research and development of electronic upgrades and equipment.

PHIRE



Public Health Institute for Research and Excellence (PHIRE) is the research arm of the Champaign-Urbana Public Health District (CUPHD). The Institute was created in 2009 to promote best practices through quality education, training, technology, evidence-based research, and effective partnerships that bridges academia and the local community knowledge.

In 2019, PHIRE continued to add evidence-based research projects and publish/present findings of our research. The PHIRE website can be accessed at: www.phire.c-uphd.org. For more information or to collaborate, please contact: Awais Vaid: avaid@c-uphd.org or Julie Pryde: jpryde@c-uphd.org.

Public Relations

Public Relations is directly responsible for all press releases, media requests, requests for interviews, and social media.

CUPHD receives numerous requests over the course of a year to speak on many different topics. Some of the 2019 topics included: measles, severe weather preparedness, summer food program, diaper drive, pregnancy and postpartum health expo, and much more.

The Champaign-Urbana Public Health District also received recognition and was awarded the 2019 Local Health Department of the Year by NACCHO, National Association of County and City Health Officials. Applications for the award were judged based on the size of the health department, and were scored on their innovation and creativity, implementation, impact in the community and public health, and engagement of community and diverse partners. NACCHO noted that CUPHD's application demonstrated the uniting of community stakeholders and resources as an exemplary "Chief Health Strategist."



The background features a large, light blue, stylized letter 'E' that spans most of the page. On the far left, there is a solid dark blue vertical bar. The word 'Programs' is centered over the 'E' in a dark blue, serif font with a subtle drop shadow.

Programs

Environmental Health

Environmental Health inspects food and drink establishments, reviews kitchen plans for new facilities, enforces environmental laws, issues permits for private water supplies, closed loop wells, and private sewage systems, and conducts surveillance and abatement for mosquitoes transmitting West Nile virus.

Food Protection

All restaurants, retail food stores, temporary food booths, taverns, convenience stores, food trucks, and other types of food establishments must obtain a health permit to operate.

Environmental Health conducts unannounced inspections at all food retail establishments, reviews plans for newly constructed or remodeled facilities, investigates complaints, and initiates legal proceedings for non-compliance. As part of an intergovernmental agreement, Environmental Health issues city food licenses on behalf of the cities of Champaign and Urbana.



Temporary food safety training using virtual reality

Mosquito / West Nile Virus (WNV) Program

Environmental Health surveys mosquito pools and dead birds to detect and monitor the presence of West Nile virus in Champaign County. This information is collected and reviewed to assist in tracking West Nile virus activity for informing the public.

As part of an intergovernmental agreement with the cities of Champaign and Urbana, the village of Savoy, and the University of Illinois, Environmental Health provides a *Culex* mosquito program for these areas. A main component of this agreement is applying larvicide to catch basins to reduce mosquito populations.

A poster titled “Comparing the Effectiveness of a Twin Tube CDC Gravid Trap, a BG-GAT and BG-Sentinel Trap in Capturing Female Aedes Albopictus Mosquitoes” was presented at the American Mosquito Control Association 2019 Annual Meeting.

Potable Water Program

Environmental Health issues permits for and inspects new well installations, conducts water sampling of new wells, and assures that abandoned wells are sealed. Environmental Health also tests and inspects non-community water supplies.

Environmental Health issues permits to construct closed loop wells (used for geothermal heating and cooling) for residential and non-residential

Cont'd

properties, and conducts inspections of all new closed loop wells.



Private Sewage Disposal Program

Environmental Health reviews construction plans and applications for all private sewage systems for residential and non-residential properties and issues permits upon approval. Inspections are performed on new systems, renovations, or as a result of complaints.

Tanning Program

All tanning establishments in Champaign County must follow the guidelines of the Illinois Department of Public Health (IDPH). Environmental Health inspects public tanning facilities and responds to complaints.

Body Art Program

CUPHD inspects body art establishments in Champaign and Urbana. Body art includes body adornment techniques such as body piercing, tattooing, cosmetic tattooing, branding, and scarification. It does not include establishments that pierce the non-cartilaginous portion or lobe of the ear with pre-sterilized single-use stud-and-clasp ear-piercing systems.

Radon Program

Radon is a naturally occurring, invisible, odorless gas that comes from deposits of uranium in soil, rock, and water. Environmental Health offers short-term radon test kits to Champaign County residents.



Cont'd

Totals for 2019

	C-U	County
<u>Food Establishments</u>		
Inspections Conducted	1,145	411
Follow-Up Conducted	21	3
Temporary Permits Issued	160	261
Number of Active Food Establishments	906	368
Education Presentations	32	5
Complaint Investigations	169	49
Consultations/Counseling/Site Visits/Construction Surveys	20,380	5,930
<u>Mosquito/West Nile Virus Program</u>		
Mosquito Traps Placed/Collected	21	28
Positive Mosquito Batches	0	0
Dead Birds Submitted for Testing	1	1
Positive Birds	0	0
Complaint Investigations	10	8
<u>Potable Water Program</u>		
Water Well Permits Issued	3	61
New Wells Inspected	0	54
Water Wells Sealed	1	17
Sealed Water Wells Inspected	1	18
Closed Loop (Geothermal) Well Permits Issued	11	8
Closed Loop (Geothermal) Wells Inspected	13	8
Consultations/Counseling	28	268
<u>Private Sewage Disposal Program</u>		
Permits Issued	1	60
Inspections Conducted	2	97
Complaints Received	0	9
Complaint Investigations	0	16
Consultations/Counseling	1	396

Cont'd

Totals for 2019

Radon Program

Test Kits Distributed

Test Results Received <4 pCi/L

Test Results Received ≥4 pCi/L

Consultations/Counseling

C-U	County
93	16
41	12
29	5
93	45

Body Art & Tanning Program

Inspections Conducted

Consultations/Counseling

C-U	County
31	3
29	3



Comparing the Effectiveness of a Twin Tube CDC Gravid Trap, a BG-GAT and a BG-Sentinel Trap in Capturing Female *Aedes albopictus* Mosquitoes

Champaign-Urbana Public Health District, Champaign, IL

INTRODUCTION

Originating in Asia, *Aedes albopictus* mosquitoes have been transported globally, primarily through the used tire trade to tropical, subtropical and temperate climates of the world. The first established population of *A. albopictus* was discovered in the United States in Texas, in 1985. This mosquito has since spread to a majority of American states. The Champaign-Urbana Public Health District found its first *A. albopictus* mosquito in a CDC gravid trap, in Champaign, Illinois in 2011.

As well as being a nuisance, *A. albopictus* mosquitoes are vectors of a wide variety of disease agents that can be transmitted to humans, such as chikungunya, dengue, yellow fever and Zika viruses.

With assistance from the Midwest Center of Excellence for Vector-borne Disease, the Champaign-Urbana Public Health District compared the effectiveness of three traps for capturing adult *A. albopictus* in the Champaign-Urbana area.



Female *Aedes albopictus*

PROBLEM

Since the onset of West Nile virus in the U.S. in 1999, vector control agencies have directed a lot of their resources to controlling and monitoring the primary driver of the disease, the *Culex* mosquito. The preferred trap for catching virus-positive, gravid *Culex* mosquitoes, is the CDC gravid trap.

Because of the spread of *A. albopictus* mosquitoes in the U.S. and their potential for disease transmission, vector control agencies are purchasing and deploying specialized traps for surveillance. Currently the most commonly used adult traps for *A. albopictus* collection are BG-Sentinel traps and a variety of gravid *Aedes* traps. *A. albopictus* mosquitoes are not known to be efficiently captured by CDC gravid traps. Purchasing, deploying and maintaining different types of traps for capturing gravid *Culex* and *A. albopictus* mosquitoes is both expensive and time consuming. Whether CDC gravid traps could be used to monitor both *Culex* and *A. albopictus* is not known.

METHODS

The Champaign-Urbana Public Health District has several established trap sites in and around the Champaign-Urbana area. Six sites were selected based on known *Aedes albopictus* activity. Three types of traps were set twenty to thirty feet apart at each of the six sites: a twin tube CDC gravid trap, a BG-GAT and a BG-Sentinel trap. Monitoring of female *A. albopictus* counts for these traps began on July 10th and lasted for 13 weeks.

The BG-Sentinel and twin tube CDC gravid trap collection bags were set out each Monday and were collected and replaced on Tuesday, Wednesday and Thursday, with the final collection on Friday. Each BG-Sentinel used a single lure over the 13 weeks. The twin tube CDC gravid trap design ensures a successful collection from a site even if a single battery or fan dies. The sticky card for the BG-GAT was put out on Monday and collected on Friday. New vegetable oil was put on the BG-GAT's transparent chamber every Monday.

The oviposition pans for the twin tube CDC gravid traps and the BG-GAT's contained grass-infused water. This water was replaced in the oviposition pans every 2-3 weeks. A larvicide briquet was kept in the oviposition pans for the 13 weeks to prevent adult emergence.

TRAPS



Twin Tube CDC Gravid Trap

The trap consisted of two double-ringed collection bags attached to two 6V battery-operated fan tunnels above an oviposition pan of grass-infused water. The infused water attracted female mosquitoes looking to find an oviposition site. As the mosquitoes flew near the surface or landed on the water they were sucked up by fans through the tunnels into the collection bags.



BG-GAT

The trap contained a sticky sheet that hung from the top of the transparent chamber and vegetable oil that covered the inside walls of the transparent chamber. The infused water attracted female mosquitoes looking for an oviposition site. As the mosquitoes flew inside the chamber, contact with the sticky sheet or oil would cause the mosquitoes to become stuck.

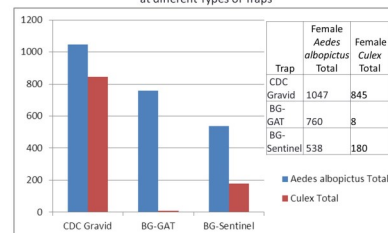


BG-Sentinel Trap

The trap consisted of a fan placed below a collection bag with a lure inserted into the top of the trap. The chemicals mimicked human scent and acted as an attractant for mosquitoes looking for blood meals. Once near the base, a 12V battery-operated fan drew mosquitoes down an intake funnel into a catch bag for collection.

RESULTS

Female *Aedes albopictus* and Female *Culex* Numbers at different Types of Traps



CONCLUSION

The twin tube CDC gravid trap captured the most female *Aedes albopictus* mosquitoes, followed by the BG-GAT and the BG-Sentinel.

OBSERVATIONS/LIMITATIONS

Over the course of the study, observations and limitations of each trap were noted. The CDC gravid traps and the BG-Sentinel traps required batteries to collect mosquitoes, which meant they were unable to catch mosquitoes if the batteries died or fans stopped working. Because two CDC gravid tubes/fans were used for each basin, this issue was lessened for this trap. It would be interesting to see if a single tube CDC gravid trap/battery would produce similar results.

A specific observation/limitation of the BG-Sentinel was that even though the lure seemed to be attracting numerous *Aedes albopictus* mosquitoes a few feet above the trap, only mosquitoes that were within a few inches of the opening were drawn in. A BG-GAT limitation is that the weather would greatly affect the vegetable oil covered transparent chamber. Rain would wash the vegetable oil into the oviposition pan and heat/sunlight would solidify it. Additionally, the BG-GAT attracted flies and other large insects that would become attached to the sticky sheets. This would leave less area for the mosquitoes to adhere.

ACKNOWLEDGEMENT

We would like to thank the Midwest Center of Excellence for Vector-borne Disease and Morgan Soderlund for their help and support.

REFERENCES

Center for Disease Control and Prevention. Surveillance and Control of *Aedes aegypti* and *Aedes albopictus* in the United States, 2017. Retrieved from: <https://www.cdc.gov/chikungunya/pdf/Surveillance-and-Control-of-Aedes-aegypti-and-Aedes-albopictus-US.pdf>

CONTACT

Jeff Blackford
Program Coordinator
Environmental Health Division
Champaign-Urbana Public Health District
217.373.7900
jblackford@c-uhphd.org

Teen and Adult Services

The Division of Teen and Adult Services is a multi-disciplinary team of nurses, substance abuse professionals, care coordinators, and an Advanced Practice Nurse. The goal is to provide all available services to the individual during their visit. Risk reduction counseling and risk reduction supplies are provided in all services.

STD Services

STD Clinic

CUPHD provides STD services at the Champaign site weekdays from 8:30-11:30 AM and 1:00-4:30 PM. Staff also provides these services at the Rantoul site on Thursdays from 1:00-4:30 PM. Services include counseling, testing, and treatment for the following: Chlamydia, Gonorrhea, Syphilis, Hepatitis C, and HIV. Vaccines for Hepatitis A & B and HPV are offered. Partner counseling and referral services are offered to all persons who have an STI or HIV.

In 2019, over 1,400 clients were seen in the CUPHD STD clinic. Over 1,000 persons were tested for HIV and syphilis, with seven persons newly diagnosed with HIV infection. Immediate, on-site referral to Care Connect services are provided to all persons who are HIV positive.

CUPHD provides a care coordination model for persons who are Hepatitis C positive to assist them in accessing medical care to determine eligibility for

treatment. In 2019, 138 individuals were tested for Hepatitis C.

STD Surveillance

Infectious Disease provides surveillance services for clients that test positive for sexually transmitted infection. CUPHD staff works confidentially with any clients that test positive for STIs to locate, test, and treat sexual partners.

In 2019, 192 persons were notified and provided STI treatment. In addition, CUPHD treated 404 partners of persons who tested positive for and STI. Staff dispensed 71 doses of Expedited Partner Therapy to persons who were not likely to seek treatment in person at CUPHD.

CUPHD managed 32 syphilis positive cases.

Extra-Genital Testing

CUPHD provides extra-genital (rectal and pharyngeal) testing for gonorrhea and Chlamydia for all persons who reported a need for testing. It is estimated that urine screening alone misses 85 percent of Chlamydia infections and 72 percent of gonorrhea infection in MSM (men who have sex with men).

In 2019, approximately 300 persons received rectal testing. In addition, approximately 950 persons conducted pharyngeal testing.

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Check Out Healthy (Jail Project)

“Check Out Healthy” is a collaborative effort between the Champaign County Correctional Facility and the CUPHD Teen and Adult Services division. Clients who are known to be HIV positive can participate in discharge planning to ensure continuity of care. All inmates are offered HIV and syphilis testing. Those 25 years old and younger or that report STD symptoms are offered urine testing for gonorrhea and Chlamydia during the weekly on-site clinic.

In 2019, over 300 persons were tested for syphilis and HIV.

Juvenile Detention Center Outreach

STD education and urine screening for Chlamydia and gonorrhea testing is offered to all of the youth during a weekly on-site STD clinic. In 2019, 50 clients were seen and 24 percent tested positive for Chlamydia and zero percent for gonorrhea.

CUPHD Mobile Program

CUPHD currently has a mobile unit that provides HIV/STD services to Champaign County clients in their neighborhoods during times that are most accessible to the residents. Weekly outreach is conducted at the soup kitchen. CUPHD mobiles are also available for events such as neighborhood and church health fairs and much more.

In 2019, CUPHD distributed fresh produce in underserved neighborhoods in collaboration with Sola Gratia Farms. Over 2,200 pounds of produce were provided to 200 families through this initiative.



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Reproductive Health Services

Family Planning Clinic

CUPHD provides Family Planning services. These services allow individuals and families to make decisions that benefit the mother and babies. Spacing births by at least two years is related to healthier birth outcomes. Planning for a pregnancy allows a woman to prepare for a healthy pregnancy by adopting a healthier lifestyle. Several public health initiatives can assist this planning. Women can prepare for pregnancy by discontinuing smoking, getting physically fit, maintaining a healthy weight, and taking folic acid to prevent birth defects.

Family Planning services at CUPHD include a Pap Smear (cervical cancer detection), reproductive health examinations for female and male clients, breast examinations, client education on reproductive health, and a variety of pregnancy prevention options. Pregnancy prevention options include: oral contraceptives, trans-dermal contraceptive patch, vaginal contraceptive ring, IUD, Depo-Provera, Nexplanon, and emergency contraceptive pill. Condom use is encouraged for disease prevention and secondary pregnancy prevention. In 2019, 660 persons were seen in this program.



HIV Services

HIV Care Connect

CUPHD serves as the Lead Agent for the East Central Illinois HIV Care Connect which serves the following counties: Champaign, Clark, Clay, Coles, Crawford, Cumberland, Douglas, Edgar, Effingham, Ford, Iroquois, Jasper, Kankakee, Lawrence, Livingston, Richland, and Vermilion. Case management is provided to persons living with HIV in each county. Support groups are offered monthly for persons infected or affected by HIV.

In 2019, over 325 persons living with HIV were offered medical case management at CUPHD. Medical case management is a formal and professional service that links clients with chronic conditions and multiple service needs to a continuum of health and social service systems. This system strives to ensure that clients with complex needs receive timely coordinated services which assist a client's ability to function independently for as long as is practical. Medical case management assesses the needs of the client, the client's family, and the client's support system as well as arranges, coordinates, monitors, evaluates, and advocates for a package of multiple services to meet the specific client's complex needs.

HIV Testing

In addition to the HIV testing that is conducted in STD clinical programs, staff provides HIV testing to those most at risk for HIV infection. Testing is

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available using a rapid testing technology. Almost 350 HIV tests were conducted in this project.

PrEP

CUPHD offers Pre-Exposure Prophylaxis (PrEP) to clients who are at an increased risk for HIV infection. PrEP is a medication that is taken daily to prevent HIV infection. It has been shown to be very effective at reducing risk of new infections, up to 99 percent effective if taken daily as prescribed. Through 2019, 90 clients were currently engaged in this program.

Opiate Overdose Prevention Program

Starting in the summer of 2017, CUPHD began a program to reach persons who would benefit from training on Narcan, a medication that is used to reverse an opiate overdose. Bystanders, family and friends of persons who use opiates, are prioritized through this project. First responders, who have yet to be trained, are offered training and Narcan through these efforts.

In 2019, over 1,300 bystanders and first responders were trained by CUPHD staff. Almost 1,800 Narcan kits were distributed. Each kit contains two doses, a breathing mask, and instructions. There were 55 overdose reversals reported.

CUPHD formed a coalition, “Partnership to Reduce Opiate Mortality and Promote Training (PROMPT)”,

to direct the expansion of the overdose prevention efforts into the East Central Illinois region. Counties in this region include: Champaign, Vermilion, Ford, Dewitt, Piatt, Douglas, Edgar, Coles, Clark and Cumberland counties. Coalition members include: county health department officials, city police, sheriff’s officers, emergency departments, drug treatment providers, opiate replacement program providers, mental health providers, city library staff, and pharmacy staff.



Tuberculosis (TB) Services

TB Program

One-third of the world’s population is infected with Tuberculosis (TB), and one person with active TB can infect 10 to 15 other people in a year. CUPHD offers TB skin tests every week and follow-up treatment when needed for those who test positive.

In 2019, CUPHD managed four newly diagnosed people with active TB disease through Directly Observed Therapy (DOT).

**The number of services in this summary are estimated as CUPHD transitioned to a new EMR.*

Maternal and Child Health

Maternal and Child Health (MCH) provides services to at-risk mothers and children in Champaign County. Services include WIC, immunizations, lead poisoning screenings, HealthWorks, Family Case Management, nutrition counseling, and MUCH MORE!

Family Case Management

Family Case Management provides preventative care, developmental testing, immunizations, referrals, and follow-up for pregnant women and children who meet income guidelines. Home visits are done once during pregnancy and once during the postpartum period. The car seat program is in collaboration with Safe Kids of Champaign County. The Illinois Department of Public Health (IDPH) Genetics Grant provides funding for prenatal genetic screening. Denver II and Ages and Stages standardized developmental screenings are used and the Edinburgh tool is used for postpartum depression screenings.

Give Back Garden

The Give Back Garden, established in 2012, has been providing fresh fruits and vegetables to local Champaign County families at no cost. The mission of the Give Back Garden has been to increase the availability of fresh produce to residents that might otherwise lack access to it, and thus have been primarily serving WIC participants. In 2019, CUPHD grew and distributed 740 pounds of produce, hosted its 7th annual plant sale, added three new beds and a pergola, and replaced five beds that were deteriorating.

The garden is maintained by a few CUPHD employees with the help of many volunteers. Volunteers range from individuals who are simply interested in giving back to their community, to student groups from the University of Illinois, and even service organizations from around the state. Volunteers not only gain hands-on experience in growing food from seed, but they also gain a greater understanding of food insecurity in the U.S.



UIUC Social Work Interns



Plant Sale



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The vision for the future is to transform the Give Back Garden into a true community garden in which members of the community gather to grow food, build relationships, and participate in the growth of the Give Back Garden program. CUPHD plans to maintain the valuable partnerships it has established with other organizations. In addition, CUPHD would like to see the garden program, as a whole, become self-sustainable by conserving resources as much as possible, and by generating enough income to maintain the basic needs from year to year.

G.R.E.A.T. Start

Since 2018, GREAT Start has served 85 families and 95 children between birth to age 3. The program has partnered with the University of Illinois – Family & Graduate Housing and has hosted 20 Parent and Child Play Interaction Groups which served 50 families throughout the Orchard Downs Champaign-Urbana community. GREAT Start Family Educators have successfully conducted approximately 750 personal encounters and 200 ASQ standardized developmental screenings, and hearing and vision screenings.



HealthWorks

HealthWorks for Illinois is a collaborative effort between the Department of Children and Family Services (DCFS) and Public Health. Public Health in Champaign County serves as the Lead Agency for Champaign, Ford, and Iroquois counties.

HealthWorks provides advocacy and referrals to pregnant DCFS wards and their children. HealthWorks works closely with foster parents and case workers to ensure that those in foster care receive appropriate medical care.

Milk Bank

In June of 2014, the Maternal and Child Health division expanded services protecting the health of our community's most fragile members, premature babies. Many mothers of premature infants struggle to provide their milk for their baby, and donor milk is in short supply. Increasing the awareness of milk donation and making it easier for mothers to donate can help bridge this gap. Partnering with The Milk Bank of Indianapolis, CUPHD became the first Milk Bank Depot in central Illinois. Depots are designated drop off locations that house a Milk Bank deep freezer, providing convenient storage and shipping for donor moms. After being screened and approved by The Milk Bank, mothers who wish to donate breast milk can bring it to CUPHD, which then stores and ships it to The Milk Bank in Indiana where it is processed and distributed to hospitals for babies in need across the US.

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As of early 2019, local moms had donated over 78,000 ounces of breast milk to the depot.

Partnership for Integrating Oral Health Care into Primary Care National Research Project

CUPHD providers and other allied health professionals are integrating oral health care into primary care by completing risk assessments and screenings, providing preventive interventions and education, and conducting inter-professional collaborative activities. Five states—Georgia, Illinois, Maryland, Michigan, and Rhode Island—were selected to participate in project phase I from January through June 2019 and are continuing in project phase II from July 2019 through June 2020. The populations of focus include pregnant women, infants, children, and adolescents.

CUPHD was selected by IDPH to participate in this national pilot with additional support from the IDPH Title V program. MCH staff have completed hundreds of oral health screenings and integrated an oral health care coordination process into existing programs, and will add an adult fluoride varnish offering for 2020.

Summer Food Program

CUPHD acts as an open site for the Federal Summer Food Program and offers nutritious meals (breakfast, lunch, and afternoon snack) to any child age 1 to 18, during the summer months. Many children receive a significant

amount of their daily food from the school-based programs and this is missing when school is not in session. CUPHD works to fill this need. This is in collaboration with the Illinois State Board of Education and funded by federal reimbursement.

The Summer Food Program was available at 19 sites.

	<u>2019</u>
Breakfasts	18,545
Lunches	6,533
Snacks	11,222
Dinners	229
Total meals served	36,529



Vaccines for Children

CUPHD provides immunizations to kids through the federal Vaccines for Children (VFC) program. There is no cost for these vaccines, and there is only a small administrative fee for each dose, which is billable to Medicaid. Any child who lives in Champaign County AND

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who is a Native American or a Native Alaskan, OR is uninsured, OR has insurance that does not fully cover the cost of vaccination is eligible for vaccines. Underinsured children are eligible through an agreement with Frances Nelson Health Center.

Women, Infants & Children (WIC)

WIC provides nutrition assessment, counseling, and supplemental food coupons for “at-risk” pregnant and postpartum women, infants, and children up to age 5.

WIC breastfeeding staff participated in the Illinois Statewide Community Breastfeeding Support Learning Collaborative, which is part of the CDC-funded ISPAN project, and will carry over into the spring of 2020. Through this project, staff held focus groups to determine the challenges and barriers that moms face in reaching their breastfeeding goals in our community, and have started developing networks, priorities, and solutions for addressing the reported barriers.

Totals for 2019

	Total
<u>HealthWorks:</u>	
Average Monthly Caseload	652
<u>WIC:</u>	
Funded Caseload	2,748
Average Caseload	2,337
Total Certifications/Enrollment Visits	3,729
Secondary Education Visits	2,991
Follow-up Visits	1,878
<u>Family Case Management:</u>	
Developmental Screenings	1,353
Perinatal Depression Screenings	1,072
Pregnancy Tests	51
<u>Safe Kids: (doubled service numbers from 2016)</u>	
Total Seats Checked	251
Total Seats Distributed or Rebates Given	45
Total People Education	342
<u>Vaccines for Children:</u>	
Total Vaccines	1,727

Wellness & Health Promotion

Wellness & Health Promotion works to implement policy and environmental changes in the Champaign County community in order to support positive health behaviors, and provides educational, supportive, and preventative programming to residents throughout Champaign County through the CUPHD Dental Clinic, the Urbana School Health Center, Illinois Tobacco Free Communities, teen pregnancy prevention and STD prevention, various workshops, programs, and community events.

CUPHD Dental Program

The CUPHD Dental Programs provide Dental Homes for over 6,000 children ages 0 to 18 living in Champaign, Urbana and Savoy. The program also serves Champaign County children in foster care. Services include diagnostic, preventative and restorative care. CUPHD staffs a permanent clinic in Champaign and staffed a clinic at the Urbana School Health Center until June 2019. Champaign and Urbana public schools are also provided with mobile preventative dental care through the School Sealant Program.

CUPHD Dental employs:

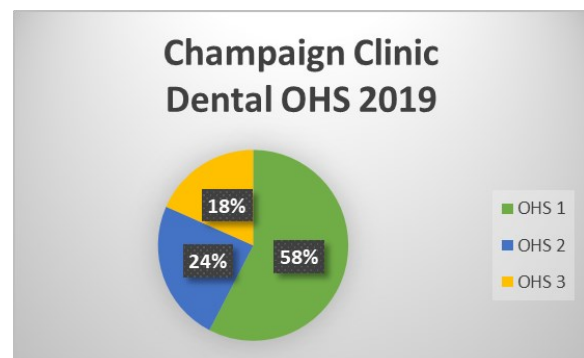
- 3 full-time dentists
- 1 seasonal dentist
- 1 PRN dentist
- 5 full-time dental hygienists
- 3 seasonal dental hygienists
- 2 full-time expanded dental assistants
- 1 full-time dental assistant
- 3 support staff

CUPHD's Champaign Children and Teens Dental Clinic provides services by appointment Monday through Friday 7:30 AM – 5:00 PM. Emergency appointments are available within 24 hours and often the same day. Eligibility requires that patients are covered by Illinois Medicaid or a Medicaid MCO.

The State of Illinois requires that all students receiving services in a school setting be assigned an Oral Health Score (OHS). CUPHD's dental program also assigned an OHS to all patients and reports this through dental insurance claims to the Department of Health and Family Services.

The Oral Health Scoring method:

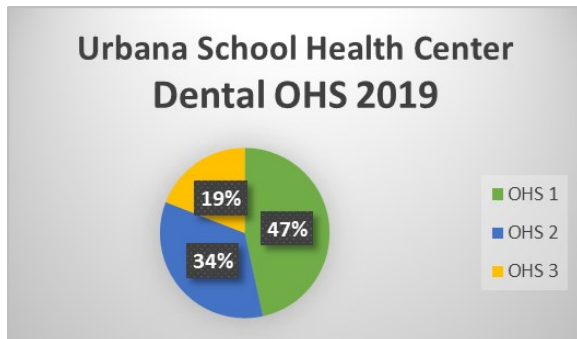
- OHS 1 = no decay
- OHS 2 = untreated decay
- OHS 3 = untreated decay causing infection (abscessed)



CUPHD's student dental clinic located at the Urbana School Health Center operates three days each week 7:30 AM – 4:30 AM. The Urbana School Health Center is a partnership between CUPHD, USD 116 and Promise Healthcare. All Urbana students are eligible for services and emergency

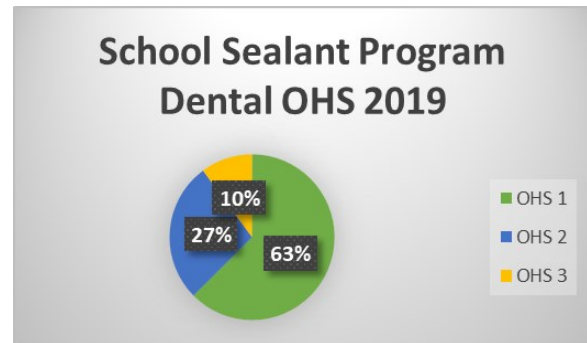
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appointments are available within 24 hours. Patients may be referred to CUPHD's Champaign clinic when a dental provider is not available in Urbana.



CUPHD lost a full-time dentist in May 2019 and the decision was made to end our partnership with the Urbana School Health Center due to frequent missed dental appointments and rising costs of operations. Urbana students with Medicaid and Medicaid MCO's were offered services at CUPHD's Champaign clinic.

CUPHD's School Sealant Programs provides dental exams, cleanings, fluoride and dental sealants to Urbana and Champaign Public School students in grades PK – 12. Portable dental equipment is set up inside schools to provide care. The portable clinic is certified by the Illinois Department of Public Health and maintains a 100 percent compliance rating and 92 percent sealant retention rate one year after sealant placement. The school clinics have been in operation for over 12 years and served 4,155 students in 2019.



Dental Updates:

- Three seasonal dental hygienists hired for the School Dental Sealant Program.
- Free dental exams and sealants provided at CUPHD's "We Want to C-U Smile".
- Attended the Annual Illinois Oral Health Conference hosted by IFLOSS in Bloomington, IL. CUPHD Dental Program Coordinator, Alicia Ekhoft, serves on the IFLOSS Board.
- Hosted six University of Illinois Community Health and Pre-Dental interns.
- Provided oral health education day to Urbana Neighbor Connection.

Tobacco Prevention Coalition

As part of our Illinois Tobacco Free Communities grant from IDPH, CUPHD leads the Tobacco Prevention Coalition which includes the regions of Champaign-Urbana, Champaign County, and Douglas County. The coalition shares tobacco-related information and coordinates local prevention efforts in collaboration with community members and organizations. Our collaborators include representatives from the University of Illinois, Carle Hospital, Parkland

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College, Unit 4 School District, the Center for Prevention Research and Development, Rosecrance, Champaign Police Department and the Douglas County Health Department. The coalition also works to provide anti-tobacco messages, to reduce access and appeal to youth, and to increase community awareness of the dangers of tobacco. Most recently, the coalition has joined forces to discuss strategies on educating the public of the dangers of electronic cigarettes, specifically for youth and young adults.

E-cigarette-Free Policies

In 2019, CUPHD continued its efforts to curb public and youth use of e-cigarettes. E-cigarette usage, especially among teens and young adults, has risen dramatically in the past year, raising concerns about a new generation of nicotine addiction.

CUPHD's e-cigarette prevention work was focused primarily on community surveying and outreach. We created surveys to gauge public opinion on e-cigarette use in public spaces and collected them at various fairs and events throughout Champaign County. We also continued calling local businesses and organizations encouraging e-cigarette-free policies and providing education and sample policy language to interested parties.

CUPHD staff created youth e-cigarette prevention posters which were distributed to schools and youth-serving organizations. Additionally, our efforts were covered by local media, and we used multiple social media platforms to

get our message out.

As a result of our outreach, the number of local organizations who have adopted e-cigarette-free policies continues to expand, and many more are now considering it. We have also collected nearly 700 community e-cigarette surveys.

REALITY Illinois

REALITY Illinois is an anti-tobacco, youth advocacy movement created by and for Illinois teens. Using a curriculum called Engaging Youth for Positive Change (EYPC), the goal of the REALITY program is to empower teens to advocate for a tobacco-related change in their community.

In 2018, CUPHD worked with seniors at Centennial High School on the topic of e-cigarettes. In May, those students presented at a Champaign City Council meeting where they requested a city ordinance prohibiting e-cigarettes in spaces where cigarettes are prohibited. This presentation inspired city council members to conduct a study session on the proposed ordinance in 2019.

CUPHD staff were also involved in a promotional video for the EYPC curriculum created at the University of Illinois.

Hand Washing Education

CUPHD interns presented a fun, interactive hand washing demonstration called Germ Busters to 575 children in 2018 and 170 in 2019. Germ Busters is designed to teach Pre-K to 2nd grade

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children about germs and proper hand washing, in order to prevent the spread of flu and other illnesses. The demonstration can also be adapted for older audiences. To schedule Germ Busters, contact Talia Shaw at 217-531-4540.

Wellness and Health Promotion also carries a limited supply of hand washing and flu prevention education materials for local schools and child care facilities. To inquire about these FREE materials, contact Crystal Anderson at 217-531-2935.

Health Education Activities

Champaign-Urbana

- UIUC's Community Health Intern Fair (February & October)
- Healthcare 101 Workshops at Urbana High School and Juvenile Detention Center
- KRAFT Health Fair
- Outreach at Ivanhoe Estates
- UIUC School of Social Work HEALS Conference
- Presentation about Health Education to UIUC's CHLH 210 Class
- World No Tobacco Day
- Presented at the Illinois Parent Teacher Association Conference
- Play It Safe Fair at Leonhard Recreation Center
- Animarvels Expo
- Pilgrim Missionary Baptist Church Health Fair
- Public Health Bootcamp
- Family Fun Day at Prairie Farms
- C-U Guide for Girls: Empowerment Conference
- C-U Schools Appreciation Dinner
- Vaping Presentation at local high school

- UIUC School of Social Work Field Education Day
- Mental Health Panel Discussion for UIUC Chemistry Students
- Tobacco Media Campaign presentation for UIUC Community Health Students
- Wellness, Fun & Medicare 101 event at Carle
- Cunningham Employee Wellness Fair

Not Here

Not Here is a tobacco sales compliance program for Champaign, Urbana, Rantoul, and Tolono tobacco vendors. CUPHD notifies vendors that they will be checked three times per fiscal year for compliance with minimum age tobacco laws. Congratulatory letters are sent to stores that pass "secret shopper" compliance tests, or citations are written for non-compliance. CUPHD staffs adult chaperones and buyers ages 16 to 20 for the program. This is in cooperation with local law enforcement and the Illinois Department of Human Services.

Smoke-Free Illinois Compliance

Smoke-Free Illinois Compliance is an educational and enforcement program for the Smoke-Free Illinois Act. CUPHD is responsible for receiving and investigating complaints of smoking for Champaign County including those made to the State of Illinois, calls made directly to CUPHD staff, and those submitted on the CUPHD website. CUPHD staff will help businesses to comply where possible and issue citations when appropriate.

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Teen Pregnancy Prevention Program

One of the objectives in Wellness and Health Promotion is to reduce the incidence of pregnancy, sexually transmitted infections, and HIV in area youth through a combination of curriculum facilitation, positive youth development, coalition building, and parent involvement activities. In 2019, CUPHD provided comprehensive sexual education programming to a multitude of Champaign County schools via facilitation of the evidence-based curriculum Making Proud Choices! These efforts were made possible by a federal grant through HHS/IDHS called the Personal Responsibility Education Program (PREP).

Receiving Making Proud Choices! through PREP funding this year were 8th graders at Edison Middle School, Jefferson Middle School, Franklin Middle School, and Urbana Middle School, and 7th and 8th graders at JW Eater Junior High School and Ludlow School. Freshmen at University Laboratory High School also received the curriculum via private contract.

In addition, CUPHD hosted four meetings of the Coalition for Comprehensive Sex Education, where CUPHD worked collaboratively with area schools, health care facilities, and youth-serving organizations to expand and improve sexual health initiatives in Champaign County.

Opioid Overdose Prevention

With funding provided by IDHS, CUPHD formed a coalition called PROMPT, which stands for Partnership to Reduce Opiate Mortality and Promote Training. The mission of PROMPT is “to prevent opioid overdose deaths in the East Central Illinois Region through region-wide efforts to increase Naloxone awareness, access, education, training and deployment.” Coalition members meet bi-monthly to discuss overdose prevention efforts across the region, promote Naloxone trainings and distribution, identify and address gaps in outreach, and form connections among area resources.

PROMPT’s region includes 10 East Central Illinois counties: Ford, Vermilion, DeWitt, Piatt, Douglas, Edgar, Coles, Cumberland, Clark and Champaign. Public health officials, first responders, pharmacy representatives, health care providers, and mental health practitioners from the region are among those active in the coalition.

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Adolescent Health Program

In 2019, CUPHD received grant funds from the IDPH MCH Title V Block Grant. This has enabled CUPHD to expand services specifically for adolescents between 11 and 21 years of age. CUPHD used these funds to create the Adolescent Health Program (AHP).

After careful review of recommendations from the American Academy of Pediatrics, CUPHD has updated the services adolescents receive. These services may include a general checkup and additional services such as family planning, STD testing, depression and substance abuse screening services, and adolescent health case management. Every adolescent meets with the Adolescent Health Care Coordinator to review their depression and substance abuse screenings. If necessary, they assist in making any referrals to mental health treatment and/or substance abuse treatment services that the client may be seeking.

The Adolescent Health Care Coordinator also educates and supports adolescents during their transition from pediatric primary care into adult primary care. Some topics of transitioning include: knowing health care rights, how to make/keep a doctor's appointment, how to pick up a prescription, how to read a prescription label, and much more. The Adolescent Health Care Coordinator can also refer clients to a number of resources in the community including but not limited to: primary care physicians, food, clothing, shelter, dentists, optometrists, education, health insurance, and support groups.

Through this grant, the Adolescent Health Care Coordinator and interns also provide education to young people and parents about how to appropriately and effectively navigate the healthcare system.

Additional Activities

Coalition Participation

- Champaign-Urbana Youth Committee
- Champaign County Tobacco Prevention Coalition (Chair)
- Coalition for Comprehensive Sex Education (Chair)
- Partnership to Reduce Opiate Mortality and Promote Training (Chair)

Attention: Severe respiratory illness in adolescents who have reported vaping



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More than 10 cases of severe pulmonary disease have been reported in adolescents in Wisconsin and three suspect cases have been identified in Illinois. At this time, it is unknown what product(s) or chemicals may be linked to these illnesses.

People who experience any type of chest pain or difficulty breathing after vaping in the weeks or months prior to these symptoms should seek immediate medical attention.

QUESTIONS? CONTACT C-UPHD AT 217-352-7961.

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WELLNESS & HEALTH PROMOTION

Totals for 2019

	C-U	County
<u>Personal Responsibility Education Program (PREP)</u>		
<u>Making Proud Choices!</u>		
Number of Programs	31	6
Number of Participants	818	174
<u>Positive Youth Development (PREP PYD)</u>		
Number of Programs	21	0
Number of Participants	548	0
<u>Family Planning Education</u>		
Number of Programs	7	0
Number of Participants	127	0
<u>County Sexual Health Education Program</u>		
<u>Making Proud Choices!</u>		
Number of Programs	0	4
Number of Participants	0	71
<u>Not Here</u>		
Number of Attempts	246	44
Number of Sales	31	8
<u>REALITY</u>		
Number of Participants	20	0
Number of Schools	1	0
<u>SFIA Compliance</u>		
Number of Complaints	25	6
<u>Germ Busters</u>		
Number of Programs	9	0
Number of Participants	170	0
<u>Adolescent Health Program</u>		
Number of Participants	214	0
<u>Community Outreach Events</u>		
Number of Programs	27	0
Number of Participants	1,303	0

Cont'd

Totals for 2019

Champaign Dental Program

New Patients	612
Visits by Patients of Record	6,946
Total Patient Visits	7,558
Total Procedures Performed	33,394
Average Procedures per Patient	4.42
Days Clinic was Open	250

School Sealant Program

Number of Schools Visited	25
Total Children Seen	4,162
Number of Dental Sealants Placed	2,889
Dental Cleanings	1,580
Fluoride Varnish Applications	1,621

Urbana School Health Center Dental Program

New Patients	16
Visits by Patients of Record	399
Total Patient Visits	415
Total Procedures Performed	1,486
Average Procedures per Patient	3.58
Days Clinic was Open	38

Clinic closed June 27, 2019





Champaign-Urbana Public Health District

201 W. Kenyon Road
Champaign, Illinois 61820

217.352.7961

Environmental Health

217.373.7900

- Closed Loop (Geothermal) Well Permits & Inspections
- Emergency Preparedness Planning
- Food Safety Information
- Inspection of Food & Drink Establishments
- Inspection of Tanning & Body Art Establishments
- Private Sewage System Permits & Inspections
- Private Water Well Permits & Inspections
- Radon Awareness
- West Nile Virus Surveillance

Teen & Adult Services

217.531.5365

- Communicable Disease Surveillance & Investigation
- Family Planning Services
- Hepatitis Testing & Vaccinations
- HIV Case Management
- HIV Counseling & Testing
- Mobile Outreach Project
- STD Testing
- TB Prevention & Management

Birth & Death Certificates

217.352.7961

Finance

217.531.4263

Human Resources

217.531.4265

Information Technology

217.531.4274

Public Relations

217.531.4264

Maternal & Child Health

217.531.4300

- All Kids Applications
- Blood Lead Screenings
- Breastfeeding Support
- Car Seat Program
- Childhood Immunizations
- Developmental & Postpartum Depression Screenings
- Family Case Management / Health Works
- Vision & Hearing Screenings
- Women, Infants & Children (WIC)

Wellness & Health Promotion

217.373.7901

- Child Dental Health
- Child Dental Sealant/Restoration Mobile Program
- Illinois Breast & Cervical Cancer Program (IBCCP)
- Illinois Tobacco Free Communities
- Personal Responsibility Education Program (PREP)
- Smoking Cessation
- Teen Pregnancy Prevention (TPP)
- Urbana School Health Center



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