

ANNUAL REPORT

2018

for
**Champaign-Urbana
Public Health District**

201 W. Kenyon Road - Champaign, IL 61820



Public Health
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Champaign-Urbana Public Health District

www.c-uphd.org

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Champaign-Urbana Public Health District

Champaign-Urbana Public Health District Annual Report—2018

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 2018.



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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

The Champaign-Urbana Public Health District (CUPHD) had an eventful 2018. We created an Adolescent Program designed to focus on the unique needs of both adolescents and young adults. The Adolescent Program provides screening for behavioral health issues, assistance for youth in locating a primary care provider, mental health provider and dentist, coaching on utilizing the healthcare system as an adult, and care coordination to link youth to services in the community.

We also became an Application Assistance Site for the IL Medical Cannabis Program. Due to our staff reliability in answering the phone and myriad questions, by the end of the year we were getting questions from all over the state.

Awais Vaid was promoted to the position of Assistant Administrator. This is the first time CUPHD has had this position in our 82-year history. Awais and I were awarded a grant from the Kresge Foundation for “Emerging Leaders in

Public Health” (ELPH). This 18-month grant will help us transform CUPHD’s role in the community. CUPHD plans to step forward as a Community Health Strategist leader. We will lead the development of a collective impact model using assessment, policy development and assurance, strategically to create and sustain a unified response and plan for entrenched public health issues in Champaign County, with a special focus on health equity and social justice. We will catalogue the process followed to establish this model and develop a ‘replication manual’, which can be disseminated to other health departments and organizations who are struggling to adequately address health issues of marginalized populations in their communities. Both the lead and co-lead will receive training in strategic planning and coaching in effective communication and partnership building.

The first project of this new role is to create an integrated public health approach to address immigrant, migrant and refugee health issues in our community by mobilizing community partnerships CUPHD, The Refugee Center, CU FAIR, The University YMCA, Three Spinners, and individuals who work with immigrants, migrants and refugees. We have created a space at our main campus for integrated services. We will take a systems approach to create sustainable strategies that improve the health of immigrants, migrants and refugees through social justice. We will convene relevant community partners and stakeholders, to develop a cross-sector

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LETTER FROM THE ADMINISTRATOR

data collection plan in order to assess the needs of these populations, gaps in services, and evidence-based policies or programs. We and our partners will work with a systems-thinking facilitator to identify strategies and to develop and coordinate implementation of a community-wide strategic plan for establishing a coordinated model of immigrant health services.

To build its workforce capacity to assume responsibilities for conducting and managing implementation of the strategic plan across organizations, we will hire a consultant to train internal and external partners on health equity and social justice. We will work to fundamentally change the culture of the organization and ensure that all employ-

ees understand their contribution to CUPHD's new, strategist role aimed at improving health and well-being for the entire Champaign County population.

We will engage a communications consultant to promote our role as the Community Health Strategist with our outside partners and the community. The consultant will also help us market success stories to motivate agency staff and build relationships with non-traditional partners, such as businesses, in order to expand opportunities for alternative funding streams.

I am proud to report that CUPHD is very strong at this time in our history.



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 Lieutenant. 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 both attend 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:

- ♦ Arnold Blair, 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.



C. Pius Weibel

Term ended December 2018

Dr. C. Pius Weibel came to Champaign-Urbana in 1978 for graduate studies in geology at the University of Illinois and ended up being employed for nearly 30 years at the Illinois State Geological Survey. As a research geologist, his pursuits for acquiring geological information and coffee outlets resulted in numerous publications on Illinois geology, but none on coffee. He was fortunate to be elected to the Champaign County Board from 2004-2012 and from 2014-2018. One of his favorite (and usually delightful) duties was to serve on the CU Public Health Board, first from 2006-2012 and then from 2016-2018.

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Giraldo Rosales

Term began December 2018

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, 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 2018 included:

- Sweet treat cart
- 4th of July luncheon
- Halloween costume contest
- Holiday spirit week and holiday shoppe



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.

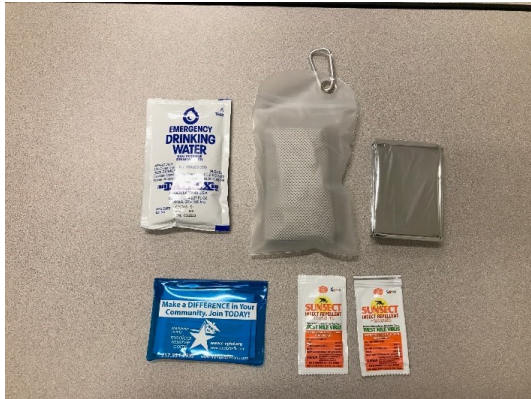


Playing It Safe Fair - May 19, 2018

The Champaign County Medical Reserve Corps is housed under CUPHD and has been in place since 2006. In 2018, the Champaign County MRC continued to provide service opportunities and community outreach education and assemble cool-down kits to distribute to those in need during the warm

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summer months. Training opportunities are made available to MRC volunteers throughout the year.



Contents of a Cool-down Kit

2018 Activities:

- Ongoing joint partnership with McKinley
- Volunteer participation at the UIUC SNS exercise at the State Farm Center
- SIREN and IL HELPS Drills
- Flu vaccine education at a local church clinic
- Utilized illinoishelps.net for credentialing and background checks of all volunteers

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.

Some of the Highlights of 2018 are as follows:

- Champaign County had 12 outbreaks this year:
 - ◇ 2 Norovirus foodborne outbreaks
 - ◇ 4 Norovirus outbreaks
 - ◇ 2 Influenza A outbreaks
 - ◇ 1 Varicella outbreak
 - ◇ 1 Mumps
 - ◇ 2 Cryptosporidium

Champaign County saw an increase in Hepatitis A cases in 2018. CUPHD investigated five confirmed cases of Hepatitis A in 2018. Three of the cases were linked to a Hepatitis A outbreak in Illinois among high risk groups of men who have sex with men (MSM), illicit drug use (both IV and non-IV), or homeless / insecure housing. During our investigation, we identified two of the cases worked as food handlers in

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Champaign County. Because Hepatitis A is spread person-to-person via the fecal-oral route; it was imperative that the local health department identified all close contacts (household members and employees) that worked with the cases during their infectious period and either a) verify their immunity to Hepatitis A or b) offer Hepatitis A prophylaxis. We identified all exposed locations and administered Hepatitis A vaccine to over 90 employees. **Hepatitis A** is a vaccine-preventable, communicable disease of the liver caused by the hepatitis A virus (HAV). It is usually transmitted person-to-person through the fecal-oral route or consumption of contaminated food or water. Hepatitis A is a self-limited disease that does not result in chronic infection. Most adults with hepatitis A symptoms, including fatigue, low appetite, stomach pain, nausea, and jaundice, usually resolve within two months of infection; most children less than 6 years of age do not have symptoms or have an unrecognized infection. Antibodies produced in response to hepatitis A infection last for life and protect against reinfection. The best way to prevent hepatitis A infection is to get vaccinated.

Champaign County had two cases of West Nile virus (WNV) in fall of 2018. Our West Nile Surveillance Coordinator worked with local units of government and the media to inform and educate the public. We also have a WNV activity chart on our website that tracks WNV progress throughout the season. The Champaign-Urbana Public Health District (CUPHD) and the Champaign County Public Health Department

(CCPHD) survey mosquito pools and dead birds to detect and monitor the presence of WNV in Champaign County. During the months of May through October, mosquitoes are trapped at various sites and are tested to determine if WNV is present and to what extent. Surveillance also includes collecting and submitting dead birds for testing.

The Champaign-Urbana Public Health District was notified in April of 2018 about two animals in Champaign County testing positive for *F. Tularensis* (Tularemia), a cat in Champaign and a rabbit in Urbana. As a proactive measure, CUPHD sent out a Tularemia alert to Champaign County residents and partnered with the University of Illinois Diagnostic Laboratory to offer testing for one week to residents that found dead rabbits on their property. We received several calls from Champaign County residents; however, only four rabbits met the criteria for testing. Of the four rabbits tested three were negative and one rabbit was positive.

F. tularensis bacteria can be transmitted to humans via the skin when handling infected animal tissue. Many animals have also been known to become ill with tularemia including rabbits, muskrats, prairie dogs, and other rodents. Domestic cats are very susceptible to tularemia and have been known to transmit the bacteria to humans. Cats may develop a variety of symptoms including high fever, mouth ulcers, depression, enlarged lymph nodes and anorexia. Infection can also occur when hunting or skinning infected rabbits, and by inhaling dust or aerosols

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contaminated with *F. tularensis* bacteria. This can occur during farming or landscaping activities, especially when machinery (e.g. tractors or mowers) runs over infected animals or carcasses.

The Champaign Regional Infection Control Coalition was established in 2010. The coalition meets three times a year and we have 25 members. The goal of this coalition is to establish a group of infection control professionals to address current issues facing our community and provide a platform to address our specific concerns.

In order to better promote healthy practices and protect the health of the community, the Champaign-Urbana Public Health District, offers training called the “**Principles of Infection Control and Communicable Disease**”. This is a free one-hour training offered to organizations in Champaign County. Participants are issued an official certification from CUPHD that is valid for two years. Recertification classes are also offered. We trained five organizations in 2018.

Champaign County saw an increase in Cyclosporiasis cases this past summer. Of the 32 cases investigated, 13 cases were linked to McDonald salads. Cyclosporiasis is caused by the parasite *Cyclospora cayetanensis* and in the past has been mainly reported in persons who have lived or traveled to other countries where it is endemic.

In September 2018, CUPHD, along with the Illinois Department of Public Health

(IDPH), investigated an outbreak of Legionnaires disease in six residents from Champaign County that were diagnosed with Legionnaires’ disease. Several locations were investigated, including the First Christian Church. IDPH collected two water samples and two swabs samples from a water feature located at the First Christian Church. In one of the two samples collected *Legionella pneumophila* was detected by the Legiolert method. In response to the observation made during the environmental investigation and the laboratory results. IDPH issued an order that the water feature remain closed, empty, and inoperable.

Legionella bacteria occur naturally in the environment. Water containing *Legionella* bacteria can be aerosolized through cooling towers, showers, hot tubs, and decorative fountains, and can cause illness when inhaled. Approximately 300 cases of Legionnaires’ disease are reported across Illinois each year. It is not transmitted person-to-person.

Legionnaires’ disease usually begins with symptoms like high fever (102 degrees F - 105 degrees F), chills, muscle pain, and headache. Other symptoms may include cough (which may be dry or productive), shortness of breath, chest pain, or even gastrointestinal symptoms like diarrhea. The incubation period, the time between exposure and onset of illness, is up to 14 days.

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Communicable Disease

Diseases or conditions no longer reportable to the Illinois Department of Public Health (IDPH)

- 690.362 Creutzfeldt-Jakob Disease (CJD)
- 690.400 Enterotoxigenic *E. coli*, Enteropathogenic *E. coli* and Enteroinvasive *E. coli*
 - Cases of shiga toxin producing *E. coli* are still reportable
- 690.480 Leprosy (Hansen's Disease)
- 690.658 *Staphylococcus aureus*, Methicillin Resistant (MRSA) Infection, Clusters of Two or More Laboratory Confirmed Cases Occurring in Community Settings
- 690.660 *Staphylococcus aureus*, Methicillin Resistant (MRSA), Any Occurrence in an Infant Less Than 61 Days of Age
- 690.752 Yersiniosis

Communicable Diseases Reportable by Law under Illinois Administrative Code 690.100 Reportable Disease 2018

Champaign Co.		Champaign Co.	
Class 1(a) Reported Immediately		Class 2 Reported Within 7 Days	
None		Campylobacteriosis	42
		Cyclosporiasis	32
Class 1(b) Reported Within 24 Hours		Cryptosporidiosis	30
Chickenpox	16	Hep A	5
Enteric E. Coli	17	Hep B	29
Haemophilus Influenza	3	Hep C	55
Influenza ICU Admissions	22	Histoplasmosis	8
Mumps	5	Legionellosis	8
N. meningitides, invasive	1	Lyme disease	1
Pertussis	6	Salmonellosis	23
Rabies, Potential Human Exposure	9	Shigellosis	7
Streptococcal Infections, Group A	6		
Tularemia (24 hours unless bioterrorism is suspected then immediate)	1		

VITAL STATISTICS

Champaign County Total:

Births: 2,167

Deaths: 1,206

Fetal Deaths: 56

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Emergency Preparedness Program

CUPHD is the lead agency in Champaign County for public health-related emergencies. It also supports other agencies during emergencies not related strictly to public health. 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 condensed the 15 public health preparedness capabilities into six domains of emergency preparedness. CUPHD uses these domains in emergency preparedness to identify needs and resources to become better prepared for emergencies that impact the public's health. Currently, the Emergency Preparedness Program is administered by Emergency Preparedness Planner, Robert Davies.

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, nongovernmental organization, and community organizations for countywide emergency response and preparedness.
- 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 capabilities.
- Implements corrective actions through improvement plans.
- Educates the community in preparedness to build community resiliency.
- 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.

Notable Activities of 2018:

- Outreach activities include speaking to students at Eastern Illinois University and local faith leaders at the Interfaith Alliance group.
- Conducted a survey with local faith-based organizations to update the summary of charitable services list created in 2011. In all, 18 faith based organizations contributed to updating this list.

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- CUPHD, in coordination with Champaign County Emergency Management Agency, hosted a functional exercise with local CMS providers and suppliers to help them better prepare for an evacuation. CMS facilities are expected to have transportation arrangements and agreements in place with other “like” facilities. Those in attendance were provided with a transportation survey to help them assess their transportation needs for their residents.
- CUPHD staff participated in the planning, development and execution of a full-scale medical countermeasure distribution exercise at the State Farm Center. The University of Illinois Urbana-Champaign became a closed point of dispensing partner with CUPHD after much preparation and the execution of a memorandum of understanding. This was a great opportunity for McKinley and other University staff members to practice their plans, and CUPHD is proud to have them as a closed point of dispensing partner.
- CUPHD participated in the Parkland/University of Illinois Urbana-Champaign functional earthquake exercise at the Illinois Fire Service Institute. This exercise expanded on the earthquake exercise scenario presented in 2017.
- Staff from every division helped to perform N95 respirator fit-testing for 73 staff members. CUPHD also acquired two Contained Air Purifying Respirators (CAPRs) donated by Carle and is looking forward to introducing training for this equipment in 2019.
- CUPHD participated in the United States Postal Service Biological Detection System (BDS) Tabletop Exercise at the Champaign Regional Mail Distributional facility.
- CUPHD participated in the Care for Domestic Animals During Disasters training offered by the Illinois Public Health Association. The course addressed planning and management of temporary shelters for domestic animals during disaster events, incident management principles for use during any type of emergency event, and materials for developing the Care of Domestic Animal’s annex to add to the Champaign County Emergency Operations Plan.

CUPHD updated its All Hazards Emergency Preparedness Plan. The revisions were adopted by the CUPHD Board of Health in October of 2018.



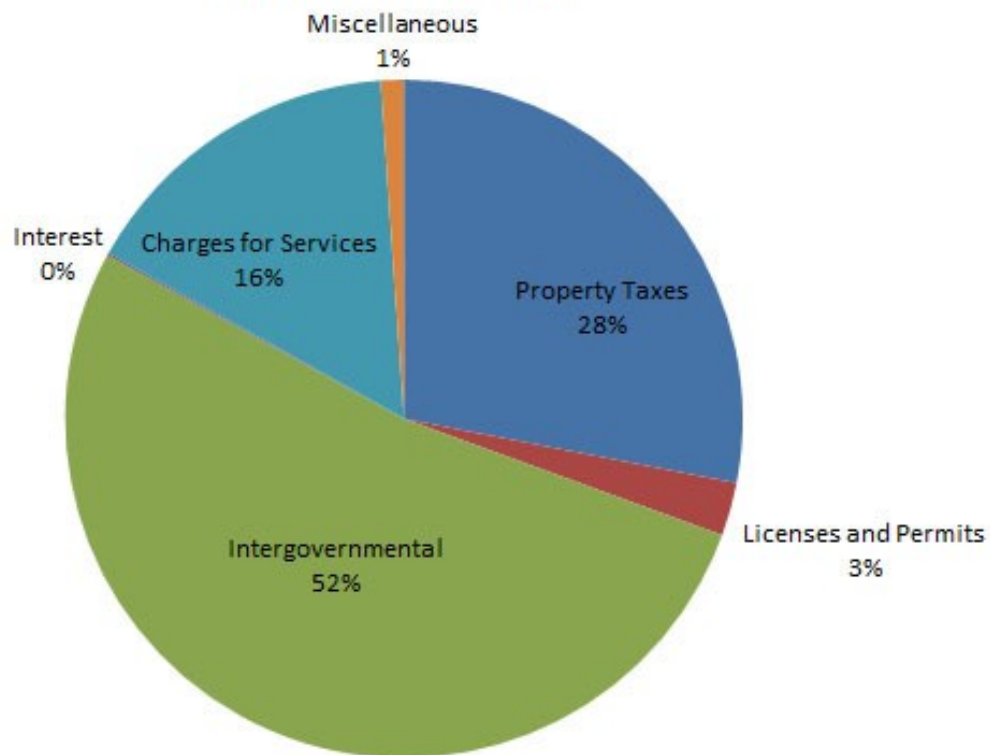
CMS Evacuation Exercise

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.

The Fund Balance remained healthy at 45% of budgeted expenditures as compared to the target of 25%. Cash on-hand equaled 42% of budgeted expenditures.

Champaign-Urbana Public Health District Total Revenues for the Year Ended June 30, 2018



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Champaign-Urbana Public Health District
Statement of Revenues, Expenditures, and
Changes in Fund Balances (Deficit) - Governmental Funds
For the Year Ended June 30, 2018

	General Fund	IMRF	Other Governmental Funds	Total Governmental Funds
Revenues				
Property Taxes	3,061,276	298,170	100,837	3,460,283
Licenses and Permits	313,791	-	-	313,791
Intergovernmental	6,241,156	187,591	45,488	6,474,235
Interest	14,825	-	-	14,825
Charges for Services	1,945,219	-	-	1,945,219
Miscellaneous	8,228	-	127,655	135,883
Total Revenues	11,584,495	485,761	273,980	12,344,236
Expenditures				
Administration	561,207	50,195	30,059	641,461
Champaign County Public Health Department - Contract	672,677	35,459	18,093	726,229
Environmental Health	730,201	38,302	27,543	796,046
Infectious Disease Prevention and Management	2,185,288	81,640	26,874	2,293,802
Maternal and Child Health	3,966,947	131,743	36,026	4,134,716
Special Projects	380,188	17,157	7,498	404,843
Wellness and Health Promotion	1,907,309	90,177	36,582	2,034,068
Debt Service:				
Principal	257,433	-	-	257,433
Interest	28,541	-	-	28,541
Capital Outlay	74,990	7	83,436	158,433
Total Expenditures	10,764,781	444,680	266,111	11,475,572
Excess (Deficiency) of Revenues Over Expenditures	819,714	41,081	7,869	868,664
Other Financing Sources (Uses)				
Transfers In	-	-	290,000	290,000
Transfers Out	(290,000)	-	-	(290,000)
Total Other Financing Sources (Uses)	(290,000)	-	290,000	-
Net Change in Fund Balance	529,714	41,081	297,869	868,664
Fund Balances (Deficit), Beginning of Year, as Restated	3,971,732	310,074	192,485	4,474,291
Fund Balances (Deficit), End of Year	4,501,446	351,155	490,354	5,342,955

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 2018 annual Take our Daughters and Sons to Work Day® was held on Thursday, April 26, 2018. Eleven students ranging in age from 3-14 participated. The day was hosted by interns from the University of Illinois, School of Social Work. Activities included a healthy breakfast and snack preparation, building a birdhouse with a lesson in respect/care for nature; escape room fun; and to finish the day the Campaign Fire Department taught fire safety utilizing a smokehouse.

HR Workforce Development & Related Activities:

- February 2018, Staff cultural competency training led by HR Director.
- March 2018, Staff training on setting SMART goals led by HR Director.
- August 2018, Presentation on retirement planning through 457(b) plans by Nationwide Retirement Solutions.
- August 2018, Family Medical Leave (FMLA) supervisor training led by HR Director.
- August 2018, Staff informational meeting hosted by Benefit Planning Consultants on successfully utilizing flex spending accounts.
- September 2018 – December 2018, Five half-day trainings on leadership skill building led by Steve Welland, Parkland Community College included the following topics: *Communicating for Superior Teamwork – Managing your Communication Style; The Principles and Qualities of Genuine Leadership; Communication Excellence – Managing Performance; and Providing Constructive Feedback.*
- October 2018, Staff informational meeting on the District's pension plan – Illinois Municipal Retirement Fund.
- October 2018, Family Medical Leave (FMLA) staff training led by HR Director.
- October 2018, Staff informational meeting hosted by Carle Resolutions regarding the benefits of utilizing the Employee Assistance Program.

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- November 2018, the annual Americans with Disabilities compliance audit was conducted.
- November 2018, the annual Workforce Development Plan was finalized.
- December 2018, the annual HIPAA Security Risk Analysis was completed.

2018 Staff Promotions:

- Lisa Martinez - Administrative Assistant II to Public Health Nurse I, April 2018
- Tasha Sanders-Thompson – Case Manager to Program Coordinator, April 2018
- Tatiana Gonezock-Nnoug – LPN I to Public Health Nurse I, May 2018
- Lisa Martinez - Public Health Nurse I to Public Health Nurse II, September 2018
- Awais Vaid – Director of Planning & Research to Assistant Administrator, November 2018

Additional information:

College/University Student Internships: 27 student interns were engaged in CUPHD programming efforts throughout 2018.

CUPHD hosted a successful employee blood drive conducted by Community Blood Services on March 15, 2018.

Freedom of Information requests totaled 96 for 2018.



Rachella Thompson-Brown received the Employee of the Month by the Champaign Chamber of Commerce



Talia Shaw, Whitney Greger, and Rob Davies completed the Leadership Course with the Champaign Chamber of Commerce

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Health & Safety Training & Development

Monthly Staff Compliance Training:

• Blood Borne Pathogens	109
• Cross Cultural Communication	115
• Emergency Preparedness	103
• Ergonomics	105
• Fraud Waste & Abuse	112
• Hazard Communication	108
• HIPAA Privacy Rule	103
• HIPAA Security Rule	105
• Influenza Safety	105
• Privacy Breach & Identity	103
• TB Infection Control	106
• Workplace Violence Protection	102

Safety Officer / Safety Committee Activities:

- Annual Earthquake Drill
- Annual Review Safety Plans
- Annual Review Emergency Plans
- Annual Review Safety Data Sheets (SDS)
- Annual TB Survey
- Bi-Monthly Agency Safety Inspections
- Bi-monthly Safety Committee Meetings
- CPR Instructor Training
- IPRF Loss Control Consultant Safety Inspection

Trainings / OSHA:

• CPR—clinical staff	11
• Employee Influenza Vaccinations	111
• Intern Immunization Screenings	27
• N-95 Mask Fittings	80
• N-95 Medical Screenings	1
• TB Screenings	8
• TB Skin Tests	104



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 2018, 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 2018 topics included: tularemia, legionnaires, Hep A, synthetic cannabinoids, summer food program for school-age children, holiday gift baskets, car seats, winter preparedness, and much more.

Employees of CUPHD and volunteers from Friends of Champaign County Food Pantry delivered over 6,000 pounds of food in food baskets to families receiving services through CUPHD.





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.

During the summer, Environmental Health staff partnered with the University of Illinois Healthcare Engineering Systems Center (HCESC) to create a Virtual Reality (VR) training module for food handlers operating a temporary food establishment. The module uses the Oculus Go, a recently developed stand-alone virtual headset that doesn't require a computer to operate.

Food safety knowledge and training is often lacking with temporary food

establishment food handlers, yet there are food safety risks that need to be identified and controlled in order to produce safe food. The VR training module places the participant in a temporary food stand and he/she can watch food handling activities and hopefully notice errors. When an error is found, pop-up questions appear on the screen to provide food safety information to correct or avoid the error.

Temporary food safety training for temporary food establishments is going to be required in 2019 and this VR training is one way to achieve this requirement.



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 and the village of Savoy, Environmental Health provides a *Culex*

Cont'd

mosquito program for these areas. In 2017, the University of Illinois joined the program. A main component of this agreement is applying larvicide to catch basins to reduce mosquito populations.

A poster titled “Briquet Washout/ Dissolution and the Illusion of Long-Term Mosquito Control of Catch Basins” was presented at the American Mosquito Control Association 2018 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 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 repair work, or as a result of complaints.

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.

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.

Cont'd

Totals for 2018

	C-U	County
<u>Food Establishments</u>		
Inspections Conducted	1,198	421
Re-inspections Conducted	22	9
Temporary Permits Issued	165	242
Number of Active Food Establishments	918	360
Education Presentations	472	214
Complaint Investigations	219	50
Consultations/Counseling/Site Visits/Construction Surveys	14,367	5,899
Liquor Inspections Conducted (starting Nov. 2017)	73	0
<u>Mosquito/West Nile Virus Program</u>		
Mosquito Traps Placed/Collected	81	19
Positive Mosquito Batches	21	2
Dead Birds Submitted for Testing	4	2
Positive Birds	1	1
Complaint Investigations	13	21
Consultations/Counseling	85	84
<u>Potable Water Program</u>		
Water Well Permits Issued	0	73
New Wells Inspected	0	56
Water Wells Sealed	0	23
Sealed Water Wells Inspected	0	24
Closed Loop (Geothermal) Well Permits Issued	3	16
Closed Loop (Geothermal) Wells Inspected	4	18
Consultations/Counseling	0	473
<u>Private Sewage Disposal Program</u>		
Permits Issued	0	71
Inspections Conducted	0	90
Complaints Received	1	11
Complaint Investigations	1	14
Consultations/Counseling	0	525

Cont'd

Totals for 2018

Radon Program


Test Kits Distributed
Test Results Received <4 pCi/L
Test Results Received ≥4 pCi/L
Consultations/Counseling

C-U	County
121	43
55	12
29	14
57	47

Body Art & Tanning Program

Inspections Conducted
Consultations/Counseling

C-U	County
12	2
19	2




Briquet Washout/Dissolution and the Illusion of Long-Term Mosquito Control of Catch Basins

Champaign-Urbana Public Health District, Champaign, Illinois


INTRODUCTION

West Nile virus (WNV) is a mosquito-borne flavivirus and human neuropathogen capable of causing a broad range of clinical syndromes, including meningitis, encephalitis, and paralysis. WNV is most commonly transmitted by the bite of an infected *Culex* mosquito, which is known to breed in stagnant pools of water, including storm sewer catch basins. The Champaign-Urbana Public Health District (C-UPHD) evaluates roughly 22,000 catch basins a year in Champaign, Urbana, and Savoy, Illinois. Catch basins that hold water (sumps) are treated with larvicides that prevent adult mosquito emergence each season. There is no uniform depth to the sumps of the catch basins. They range from less than an inch, to a couple of feet, with the majority being a few inches.

Over the years, the C-UPHD has used several larvicide products, including extended release larvicide briquets. Our *Culex* mosquito season is roughly 5 months and all three of the extended release larvicides that we have used in the past are advertised to prevent adult mosquito emergence during this timeframe.



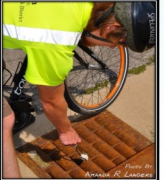
Culex pipiens. The Vectorix Consortium, 2011



Culex quinquefasciatus Say ovipositing an egg raft. The University of Florida, 2013.

PROBLEM

After numerous field checks of the extended release briquets, over several seasons, it appears that the briquets are not effective for the claimed 150-180 days. It appears that washout is occurring, even after minimal rain events.



Catch basin abatement, 2011




Figure 1. Fourstar Briquet. ADAPCO,




Figure 2. Natular XRT. Clarke, 2013.




Figure 3. Altosid XR. Central Life Sciences, 2017.

TESTING METHODS

Larvicide Briquets

The three extended release larvicide briquets used for the study were Fourstar (180 day; Figure 1), Natular XRT (180 day; Figure 2) and Altosid XR (150 day; Figure 3) briquets.

Hydrology Lab

A catch basin was created to test briquet washout and dissolution of three extended release larvicide products. A simulated catch basin was constructed by the University of Illinois Facilities and Services Metal Shop, using welded sheet metal, which can be seen in Figures 4 and 5. The catch basin was then connected to the water pump and inlet piping with PVC and flexible coupling as shown in Figure 5. The catch basin was designed for the water to pour into a last weight bucket for the water flow rate to be measured. In addition, a wooden platform was constructed to simulate various sump depths and was adjusted for testing at 18 inches, 7.5 inches and 3 inches.

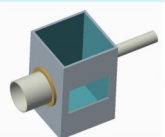


Figure 4. Test catch basin. The University of Illinois at Urbana-Champaign, 2016.




Figure 5. Hydrology Lab. The University of Illinois at Urbana-Champaign, 2016.

Testing Procedure: Briquet Washout

For briquet washout, several variables were used: flow rate, sump depth and briquet mass. Water flow rates were tested for washout from 6.2 L/s to 38.8 L/s. These flow rates were used to test the sump depth at either 18, 7.5 or 3 inches with full-mass and half-mass briquets.

Testing Procedure: Briquet Dissolution

To test briquet dissolution, two different tests were performed for the three briquets. The first test involved submerging the briquets in standing water for 4 days. The second dissolution test involved the briquets being under constant water flow of 1.4 L/s for 4.5 hours. The mass of each briquet was measured before the test and following the test after the briquet had dried out.

RESULTS

Briquet Washout Results

Briquet	Fourstar		Natular XRT		Altosid XR		
	18	7.5	18	7.5	18	7.5	
Size	Full	38.8 L/s	X	6.2 L/s	X	X	X
Half	35.0 L/s	28.1 L/s	10.1 L/s	X	X	28.1 L/s	X

Note: "X" denotes actual washout occurred; "X" denotes no washout at any achievable rate

Briquet Dissolution Results

Constant Flow of 1.4 L/s for 4.5 hours

Briquet	Fourstar	Altosid XR	Natular XRT
Lost Mass	30.4%	1.63%	71.4%

Submerged in catch basin for 4 days

Briquet	Fourstar	Altosid XR	Natular XRT
Lost Mass	25.7%	21.8%	19.0%

CONCLUSION

Shallow sumps are more conducive to washout than deeper sumps. Briquet mass has an effect on retention in the sumps. The briquets are constantly losing mass in standing water and this is accelerated in flowing water that would be seen during rain events. The effectiveness of the larvicide extended release briquets in catch basin sumps is greatly impacted by rain events and the claim of 150-180 days is most likely unrealistic.

SOLUTIONS

One solution is to do several treatments of the catch basin sumps during the season with a short-term larvicide product. A more permanent solution is to fill in the shallow catch basin sumps to the bottom of the outlet pipe with concrete. Shallow sumps have no real function in regards to sediment removal or catch basin performance.

ACKNOWLEDGEMENT

We would like to thank the following entities for their help and support: Professors Richard Keane, Emad Jassim, and Blake Johnson of the University of Illinois; Weiyl Song of the Innovation Studio Super-User; the University of Illinois Facilities and Services Department; Anthony Groenewold, William Koebel, Hayley North, Michael Hafeman and McKenzie Lavalie.

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CONTACT

Jeff Blackford
Environmental Health Division
Program Coordinator
Champaign-Urbana Public Health District

Infectious Disease

The Division of Infectious Disease Prevention and Management is a multi-disciplinary team of nurses, substance abuse professionals, case managers, 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 2018, over 1,400 clients were seen in the CUPHD STD clinic. Of those clients, 14% tested positive for Chlamydia and 6% for gonorrhea. Over 1,000 persons were tested for HIV and syphilis, with eight 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 case management model for persons who are Hepatitis C positive to assist them in accessing medical care to determine eligibility for treatment. In 2018, 256 individuals

were tested for Hepatitis C and 4% were found to be reactive.

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 2018, 190 persons were notified and provided STI treatment. In addition, CUPHD treated 313 partners of persons who tested positive for and STI. Staff dispensed 69 doses of Expedited Partner Therapy to persons who were not likely to seek treatment in person at CUPHD.

CUPHD managed 39 syphilis positive cases and worked with other providers to ensure timely treatment for another 19 clients. Four partners were located and treated by CUPHD staff.

Extra-Genital Testing

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

In 2018, 230 persons received rectal testing and of these 10% were found to have Chlamydia and 7% gonorrhea. In addition, 263 persons conducted pharyngeal testing and 4% had Chlamydia and 7% gonorrhea.

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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 Infectious Disease 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 2018, over 200 persons were tested for syphilis and HIV. In addition, over 150 were tested for gonorrhea and Chlamydia. Of those tested for Chlamydia, 11% were found to be infected.

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 2018, almost 50 clients were seen and 24% tested positive for Chlamydia and 13% for gonorrhea.

Pregnancy Screening Project

Clients, 25 years of age and younger or those who report STD symptoms, that present for pregnancy testing are provided “opt-out” testing for gonorrhea and Chlamydia with the urine specimen they provide for pregnancy testing. In 2018, almost 50 clients participated in this project and 6% were found to be positive for Chlamydia.

CUPHD Mobile Program

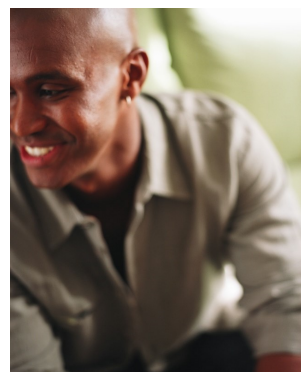
CUPHD currently has a mobile unit that provides HIV/STD services to Champaign County clients in their neighborhoods during times that are most accessible to the residents. Weekly outreach is conducted at the soup kitchen. CUPHD mobiles are also available for events such as neighborhood and church health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

New to the mobile project in 2017, CUPHD distributed fresh produce in underserved neighborhoods in collaboration with Sola Gratia Farms. Over 500 people received fresh vegetables through this initiative.

Men’s Screening Clinic

Infectious Disease staff provides a special Men’s Clinic for STD services at an off-site location. This clinic is available to walk-in clients on Wednesdays (4:00 - 6:30 PM). Services include testing, treatment, and counseling for the following: Chlamydia, gonorrhea, Syphilis, Hepatitis C, and HIV.

In 2018, 45 persons were seen in this off-site clinic and 2% tested positive for Chlamydia.



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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, Depo-Provera, Nexplanon, and emergency contraceptive pill. Condom use is encouraged for disease prevention and secondary pregnancy prevention. In 2018, 660 persons were seen in this program.

New in 2018, CUPHD began offering an IUD to interested clients. This highly effective method of pregnancy prevention is beneficial to woman and their partners who are not planning a pregnancy for up to three years.

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 2018, over 300 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% effective if taken daily as prescribed. Through 2018, 93 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 2018, over 800 bystanders and first responders were trained by CUPHD staff. Almost 1,300 Narcan kits were distributed. Each kit contains two doses, a breathing mask, and instructions. There were 128 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 10-15 other people in a year. CUPHD offers TB skin tests every week and follow-up treatment when needed for those who test positive.

In 2018, CUPHD managed four newly diagnosed people with active TB disease through Directly Observed Therapy (DOT). In addition, over 400 TB skin tests were conducted at CUPHD.

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Maternal & Child Health

Maternal & 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 2018, CUPHD grew and distributed 950 pounds of produce and hosted its 6th annual plant sale.

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.



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

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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

In 2018, CUPHD received funding from the Illinois State Board of Education for the Prevention Initiative program. The Illinois Prevention Initiative provides grants to home-based and center-based programs to expand access to the Early Head Start (EHS) model as well as other

birth to 3 models. CUPHD is working with the BabyTalk curriculum to provide early, continuous, intensive, and comprehensive evidence-based child development and family support services to help families prepare their young children for later school success. It is intended for children who have been determined, as a result of a screening process, to be at risk for school failure as indicated by their families' high levels of poverty, illiteracy, unemployment, limited English proficiency, or other need-related indicators (e.g., school district's rate of dropouts, retention, truancy, teenage pregnancies, and homeless students; high rates of infant mortality, birth trauma, low birth weight, or prematurity; and high rates of child abuse or neglect). A disproportionate share of all children considered to be at risk come from low-income families, including low-income working families, homeless families, families where English is not the primary language spoken in the home, or families where one or both parents are teenagers or have not completed high school. However, neither a child's membership in a certain group nor a child's family situation should determine whether that child is at risk.

CUPHD is funded to serve up to 125 local, at-risk families in need.

HealthWorks

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

Cont'd

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 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. The CUPHD depot celebrated reaching 50,000 ounces shipped by having a "Donor Appreciation Day". The depot remains a great way for breastfeeding mothers to make a difference in the lives of other babies.

Parent Wonders

CUPHD has an agreement with the Parent Wonders program to visit the Rantoul office to provide support and parenting/child interaction skills education to clients that are participating in WIC services.

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 1-18, 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.

Summer food sites included CUPHD, Springer Recreation Center, Leonhard Recreation Center, Anita Purves Nature Center, Brookens Gym, and Phillips Recreation Center.

	<u>2018</u>
Breakfasts	15,532
Lunches	4,549
Snacks	12,333
Dinners	109
Total meals served	32,528
<i>(includes second meals)</i>	

Vaccines for Children

CUPHD provides immunizations to kids through the federal Vaccines for Children (VFC) program. There is no cost

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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 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.

Totals for 2018

	Total
<u>HealthWorks:</u>	
Average Monthly Caseload	637
<u>WIC:</u>	
Funded Caseload	2,985
Average Caseload	2,412
Total Certifications/Enrollment Visits	3,688
Secondary Education Visits	4,501
Follow-up Visits	2,030
<u>Family Case Management:</u>	
Developmental Screenings	3,360
Perinatal Depression Screenings	818
Pregnancy Tests	121
<u>Safe Kids: (doubled service numbers from 2016)</u>	
Total Seats Checked	370
Total Seats Distributed	114
Total People Education	592
<u>Vaccines for Children:</u>	
Total Vaccines	140,614
Well Child Visits	193
School Physicals	60

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.

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. 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.



CUPHD Dental Program

The CUPHD Dental Programs are Dental Homes for over 7,000 children ages 0-20 living in Champaign or Urbana and Champaign County children in foster care. Services include diagnostic, preventative, and restorative care. CUPHD staffs permanent clinics in Champaign and at the Urbana School Health Center, as well as providing mobile clinics to all Champaign and Urbana public schools.

CUPHD employs:

- 3 full-time dentists
- 2 part-time dentists
- 5 full-time dental hygienists
- 3 expanded functions dental assistants
- 4 support staff who coordinate schedules, insurance, school clinics, continuing care educational projects, and supply grants

CUPHD's Champaign Children and Teens Dental Clinic provides services by appointment Monday through Friday 7:30 AM - 4:30 PM.

Emergency appointments are available within 24 hours, and often the same day. Saturday hours were added at the request of clients and are offered on the third Saturday of each month, 9:00 AM - 1:00 PM.

Eligibility requires that patients receive Illinois Medicaid or Medicaid MCO. In addition to Oral Health Education and dental care, patients' BMI is calculated each year and patients are referred to

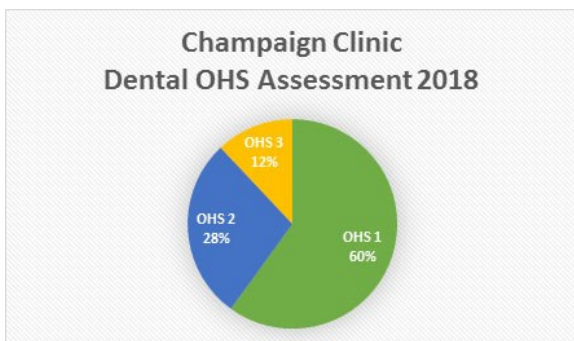
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Maternal and Child Health's Play Rx as indicated.

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 assigns an OHS to all students and reports this through dental insurance claims to the Department of Health and Family Services.

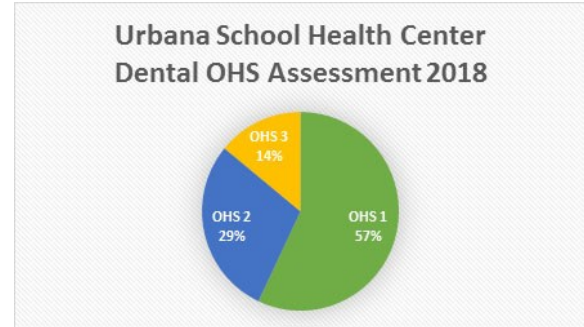
The Oral Health Scoring method:

- OHS 1 = no decay
- OHS 2 = decay found in 1-4 teeth
- OHS 3 = decay found in 5 or more teeth, or infection found in at least 1 tooth.

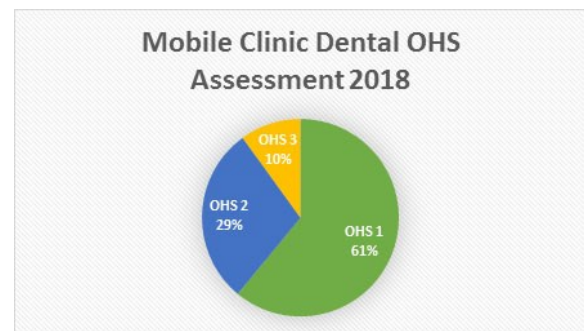


CUPHD's student dental clinic located at the Urbana School Health Center operates from two rooms on Tuesday and Wednesday 7:30 AM - 4:30 PM.

The Urbana School Health Center is a partnership between CUPHD, USD 116, and Crossing Healthcare. All Urbana students are eligible for services and emergency appointments are available within 24 hours. Patients may be referred to CUPHD's Champaign clinic when a provider is not available in Urbana.



CUPHD's Mobile Dental Program provides dental exams, cleanings, fluoride and dental sealants to Urbana and Champaign Public School students in grades PK – 12. Mobile dental equipment is set up inside the school to provide care. The mobile clinic is certified by the Illinois Department of Public Health and maintains a 92% retention rate after one year for dental sealants placed. The school clinics have been in operation for over 11 years.



CUPHD Dental continues to support Dentist by age 1 and partners with Maternal and Child Health to support WIC nurses in providing oral health screenings and fluoride varnish to patients before age 1 year.

Dental Activities:

- Andrea Miller, DDS, joined the dental team full-time working in the Champaign and Urbana clinics.

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- James Stehman, DMD, joined the dental team as PRN working in the School Sealant Program.
- Ghada Adhami, DDS, moved from part-time to PRN helping in the School Sealant Program.
- Hosted the first “We Want to C-U Smile” day on Saturday, February 3rd at the Lincoln Square Mall in Urbana. Offered free preventative dental services for children and free oral cancer screenings for adults. Services were provided for 72 children and adults. Partnered with UIUC’s Delta Delta Sigma Fraternity, Healthy Smiles and Pre-Dental Clubs for this event.
- All dental staff attended the Annual Illinois Oral Health Conference hosted by IFLOSS in Bloomington, IL. Training included infection control in the dental setting by OSAP.
- Began offering Silver Diamine Fluoride (SDF) therapy to halt dental decay in primary teeth. Dentists and Registered Dental Hygienists attended in-office training to learn to apply.
- Secured a place in Champaign Unit 4 school registration packets for dental sealant consent forms. This increased the number of students receiving dental services at school by 53% during the Fall 2018 semester.
- Received grant dollars from the Champaign County Board of Health to provide services to 250 Savoy students seen in the school sealant program and county WIC children.

E-cigarette-Free Policies

In 2018, 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.

Our 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.

Hand Washing Education

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

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to 2nd grade 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

- Give Kids A Smile® Day
- Great American Smoke Out
- Community Health Intern Fair at UIUC
- Community Health 210: Community Health Organizations Presentation at UIUC
- Interdisciplinary Health Class Presentation at UIUC
- Employee Wellness Fair at Cunningham Children's Home
- Wellness Fair at Human Kinetics
- Sexual Assault Awareness Month Event at the Women's Resource Center on UIUC's Campus
- Champaign-Urbana 1-to-1 Mentor Panel
- Tabling Event for World No Tobacco Day
- Parent Resource Night at Urbana Middle School
- Medicaid Insurance Sign Ups at Parkland College
- Depression and Substance Abuse Screenings at Parkland College

- Health and Wellness Fair at The Love Clinic
- Health and Wellness Fair at Parkland College
- Access to Health Care Workshop at Don Moyer Boys and Girls Club
- Training on The Adolescent Brain to staff at CUPHD
- REALITY Students Presented to Champaign City Council
- Field Education Day for UIUC School of Social Work
- Health Fair at KRAFT Foods
- Carle Wellness, Fun, and Medicare 101
- Stairway to Heroin Event at The Vineyard Church
- The Heroin Project Screening at U of I Extension

Not Here

Not Here is a tobacco sales compliance program for Champaign, Urbana, and Rantoul 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 teens ages 16 or 17 for the program. This is in cooperation with local law enforcement.

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

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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.

Smoke-Free Illinois Compliance

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

Smoke-Free Outdoor Areas

Smoke-free spaces, both indoor and outdoor, protect the public from the hazards of secondhand smoke and toxic tobacco litter and model healthy behavior.

Finishing up FY18, CUPHD continued its initiative to encourage organizations

and businesses to make their entire campuses or grounds smoke-free. We distributed flyers and mailings, and made phone calls to discuss businesses' smoking policies. For those organizations interested in expanding their policies, we sent sample policy language and signage. We also updated our website with current tobacco initiatives and did social media outreach.

CUPHD keeps a directory of businesses and organizations with smoke-free grounds.

Teen Pregnancy Prevention Program

One of our 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 2018, 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

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School also received the curriculum via private contract.

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

Urbana School Health Center (USHC)

The Urbana School Health Center (USHC) consists of a seamless partnership of trusted local agencies dedicated to the health and well being of children enrolled in the Urbana School District.

Services are available to ALL students of the Urbana School District during their school day, allowing for consistent and convenient carefree medical and dental services. Services include routine exams and procedures; acute care issues stemming from injuries or chronic disease conditions; and counseling and wellness programs. USHC's community care approach ensures the Urbana School District students the best possible care - away from home.

The Urbana School Dental Clinic sees children enrolled in the Urbana School District. Services include: cleanings, fluoride, x-rays, sealants, restorative care, and extractions.

Opioid Overdose Prevention

With funding provided by DASA, 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 11 East Central Illinois counties: Ford, Iroquois, 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.

Adolescent Health Program

In 2018, CUPHD received grant funds from the IDPH MCH Title V Block Grant. This has enabled CUPHD to expand services specifically for adolescents between the ages of 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 case manager to review their depression

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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 case manager 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 case manager 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.

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)



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WELLNESS & HEALTH PROMOTION

Totals for 2018

	C-U	County
<u>Personal Responsibility Education Program (PREP)</u>		
<u>Making Proud Choices!</u>		
Number of Programs	28	9
Number of Participants	698	188
<u>Positive Youth Development (PREP PYD)</u>		
Number of Programs	4	0
Number of Participants	81	0
<u>Family Planning Education</u>		
Number of Programs	4	1
Number of Participants	51	18
<u>Not Here</u>		
Number of Attempts	249	47
Number of Sales	33	3
<u>REALITY</u>		
Number of Participants	25	0
Number of Schools	1	0
<u>SFIA Compliance</u>		
Number of Complaints	8	3
<u>Germ Busters</u>		
Number of Programs	13	5
Number of Participants	340	234
<u>Adolescent Health Program</u>		
Number of Participants	16	0
<u>Community Outreach Events</u>		
Number of Programs	14	2
Number of Participants	785	30

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WELLNESS & HEALTH PROMOTION

Totals for 2018

Champaign Dental Program

New Patients	612
Visits by Patients of Record	6,463
Total Patient Visits	7,075
Total Procedures Performed	30,189
Average Procedures per Patient	4.27
Days Clinic was Open	246
Oral Health Score 1 = No decay	60%
Oral Health Score 2 = Decay in 1-4 Teeth	28%
Oral Health Score 3 = Decay in 5+ Teeth or 1+ Teeth with Abscess or Infection	12%

Mobile School Sealant Program

Total Children Seen	1,735
Number of Dental Sealants Placed	952
Dental Cleanings	671
Fluoride Varnish Applications	920
Number of Schools Visited	22
Oral Health Score 1 = No decay	61%
Oral Health Score 2 = Decay in 1-4 Teeth	29%
Oral Health Score 3 = Decay in 5+ Teeth or 1+ Teeth with Abscess or Infection	10%

Urbana School Health Center Dental Program

New Patients	40
Visits by Patients of Record	657
Total Patient Visits	1,207
Total Procedures Performed	4,561
Average Procedures per Patient	3.78
Days Clinic was Open	89
Oral Health Score 1 = No decay	57%
Oral Health Score 2 = Decay in 1-4 Teeth	29%
Oral Health Score 3 = Decay in 5+ Teeth or 1+ Teeth with Abscess or Infection	14%



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

Infectious Disease

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



Public Health

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Champaign-Urbana Public Health District

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