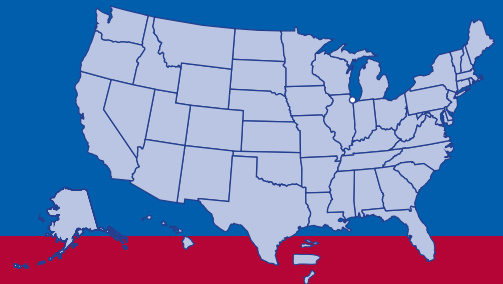


PUBLIC HEALTH EMERGENCY PREPAREDNESS COOPERATIVE AGREEMENT (PHEP) PROGRAM



CHICAGO

PHEP Then

In response to the deadly events of September 11, 2001, and the subsequent anthrax attacks, Congress established a new program to help health departments across the nation prepare for emergencies. Since then CDC's [Public Health Emergency Preparedness \(PHEP\) program](#) has partnered with state, local, and territorial public health departments to prepare for, withstand, and recover from potentially devastating public health emergencies.

Every year since, the PHEP program has provided vital resources to ensure communities can effectively respond to infectious disease outbreaks, natural disasters, and chemical, biological, radiological, or nuclear events.

PHEP Now

In 2018, PHEP provided \$620 million across public health departments to improve response readiness. Funds are also used to support epidemiologists (disease detectives), lab staff, planners, and other preparedness staff on the ground.

In the future, CDC will continue supporting PHEP recipients by sharing technical expertise, best practices, and lessons learned, along with tools and resources to identify and address gaps.

Learn More

For more information about the PHEP Program, visit www.cdc.gov/cpr/map.htm.

AT A GLANCE

In Chicago

- ▶ 2.7 million residents
- ▶ - reside in Cities Readiness Initiative metropolitan statistical areas (CRI MSA). A federally funded program, CRI helps cities effectively respond to large-scale public health emergencies requiring life-saving medications and medical supplies.
- ▶ N/A local public health departments

Frequent Public Health Emergencies

- ▶ Extreme Heat
- ▶ Flooding
- ▶ Extreme Cold

Key Emergency Operations Center Activations

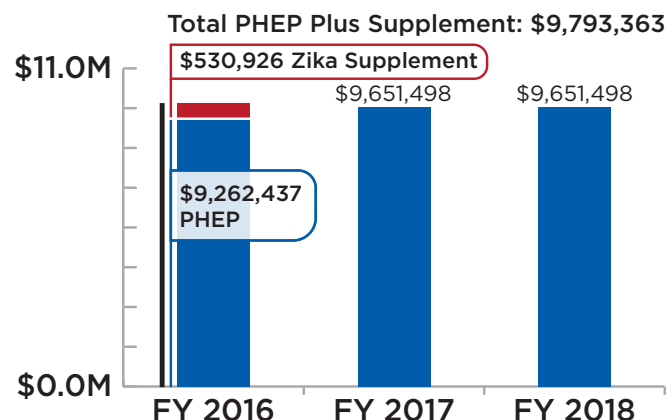
- ▶ 2017: Biologic Agent at University of Chicago, Cyber Attack
- ▶ 2018: Lollapalooza Festival and Chicago Marathon

PHEP funds programs and activities that build and strengthen the nation's preparedness for public health emergencies.

Preparedness and Response Funding Snapshot

FY 2018 PHEP \$9,651,498

Base Plus Population \$8,039,978
Cities Readiness Initiative \$1,611,520
Level 1 Chemical Lab \$—



Centers for Disease Control and Prevention
Center for Preparedness and Response

PHEP IN ACTION—PHEP PROTECTS CHICAGO RESIDENTS FROM POTENTIAL THREAT



Ebola virus virion

In Chicago, PHEP developed guidance for first responders to ensure their safety during an emergency. In February 2018, while investigating an incident at an apartment complex, the Chicago Fire Department discovered suspicious laboratory supplies along with samples labeled “Ebola virus.” Because Ebola is a deadly and contagious disease, PHEP-funded staff led an urgent, coordinated response with state, local, and private partners. In less than six hours, they collected and tested 49 samples and confirmed there was no threat of Ebola. Had there been actual Ebola virus among the samples, following the strict guidance developed under PHEP would have kept responders safe from accidental infection.

CDC identified 15 public health preparedness capabilities critical to public health preparedness.

2018 CHICAGO TOP PHEP CAPABILITY INVESTMENTS

1. Medical Materiel Management & Distribution
2. Information Sharing
3. Public Health Surveillance & Epidemiologic Investigation
4. Emergency Operations Coordination
5. Community Preparedness

For a complete list of all 15 public health preparedness capabilities, visit <https://www.cdc.gov/cpr/readiness/capabilities.htm>.

Medical Countermeasure Readiness: Ensuring that medicine and supplies get to those who need them most during an emergency.

KEY STRENGTH

Development of “bio-pack” containers, which are kits of medications, instructions, and supplies, to make sure public health and critical infrastructure groups receive timely prophylaxis

KEY CHALLENGE

Timely pre-event training for the 33,000+ city workers that will be integral to a distribution and dispensing response

States, territories, and localities are required to develop emergency plans covering children, pregnant women, and other vulnerable populations.

Population	2017
Households included children	–
Respondents who know they are pregnant	–
Respondents 65 or older	–
Respondents who reported having diabetes	–
Respondents who reported a condition that limits activities	–
Respondents who reported a health problem that required the use of specialized equipment	–

PHEP funds support staff who have expertise in many different areas.

PHEP-Funded Staff	2017
CDC Field Staff	4
Educators	4
Epidemiologists	4
Health Professionals	3
Laboratorians	–
Other Staff	29

PHEP PROGRAM—KEY PERFORMANCE MEASURE RESULTS

In an emergency, it is critical that staff can meet quickly to plan for, lead, and manage a public health response. Public health staff serve as Incident Commanders, Public Information Officers, Planning Section Chiefs, Operations Section Chiefs, and other response roles.

Emergency Operations Coordination	2015	2016	2017
Number of minutes for public health staff with incident management lead roles to report for immediate duty	25	31	4

Timely and effective communication between lab and epidemiologic staff can reduce death and injuries in a public health emergency.

Public Health Laboratory Testing	2017
Results of communication drills between laboratory and epidemiological staff completed within 45 minutes	Drill 1: — Drill 2: —

Laboratory Response Network biological (LRN-B) and PulseNet labs rapidly identify and notify CDC of potential biological health threats to minimize disease outbreaks. CDC manages the LRN-B, a group of public health labs with testing capabilities to detect and confirm biological health threats. CDC also manages PulseNet, a national network of labs that analyzes and connects foodborne illness cases together to identify outbreak sources.

Current number of LRN-B public health labs: —

Public Health Laboratory Testing: LRN-B	2015	2016	2017
Proportion of LRN-B proficiency tests passed	Lab located in Chicago is operated by the state of Illinois. See Illinois fact sheet.		

Public Health Laboratory Testing: PulseNet	2015	2016	2017
Percentage of <i>E. coli</i> -positive tests analyzed and uploaded into PulseNet national database within four working days	—	—	—
Percentage of <i>Listeria</i> -positive tests analyzed and uploaded into PulseNet national database within four working days	—	—	—

LRN chemical (LRN-C) labs rapidly identify exposures to toxic chemicals, aid diagnoses, and minimize further human exposures. CDC manages the LRN-C, a group of labs with testing capabilities to detect and confirm chemical health threats. LRN-C labs are designated as Level 1, 2, or 3, with Level 1 labs demonstrating the most advanced capabilities.

Current number and level of LRN-C Labs: —

Public Health Laboratory Testing: LRN-C	2015	2016	2017
Proportion of core chemical agent detection methods demonstrated by Level 1 or Level 2 labs	Lab located in Chicago is operated by the state of Illinois. See Illinois fact sheet.		
Number of additional chemical agent detection methods demonstrated by Level 1 or Level 2 labs	—	—	—
Result of LRN exercise to collect, package, and ship samples	—	—	—



For more information on
CDC's Public Health Emergency Preparedness Program, visit
www.cdc.gov/cpr/map.htm