



EPIDEMIC INTELLIGENCE SERVICE 2023 ANNUAL UPDATE

Training health professionals in applied epidemiology since 1951

172 officers in 2022
and 2023 classes

4,012 alumni

1 mission 24/7



U.S. CENTERS FOR DISEASE
CONTROL AND PREVENTION

EIS OFFICERS...



are doctoral scientists, nurses, physicians, veterinarians, and other health professionals.



complete a 2-year on-the-job training in applied epidemiology.



serve our country while gaining practical skills to become future public health leaders.



Class of 2022 officer Emily Faherty (left) and field preparedness assignee Lisa Goldsworthy (right) speak with community members about the assessment of chemical exposures after a train derailment in East Palestine, Ohio.

ON THE JOB TRAINING



Field Investigations and Response



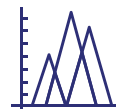
Epidemiologic Analyses



Oral Presentations



Peer-Reviewed Scientific Manuscripts and Abstracts



Surveillance System Evaluations



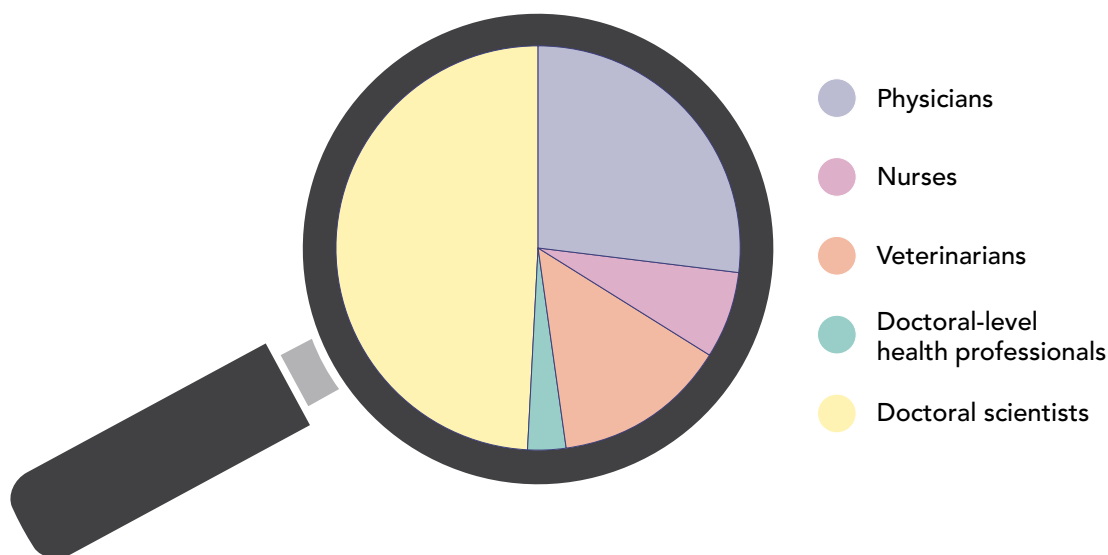
Daniel Nguyen (Class of 2022) interviews community members for a Rapid Needs Assessment after the August 2023 Maui wildfires at the Maui District Health Office in Maui, Hawaii.



Class of 2022 officer Forrest Jones (left) and CDC employee Jessica Irizarry-Ramos review details of the leptospirosis surveillance system after Hurricane Fiona hit Puerto Rico in 2022.

EIS Class of 2023 Professional Backgrounds

The 86 EIS officers in the class of 2023 were selected from 306 applicants.
This class began their EIS fellowship in July 2023.



CLINICAL

23 PHYSICIANS

10 MPH	Physician specialties
2 MPH, MS	▪ Emergency medicine
1 MScPH	▪ Family medicine
1 MPHTM	▪ Infectious disease
1 MS	▪ Internal medicine
1 MSc	▪ Internal medicine/ pediatrics
1 MPhil	▪ Internal medicine and HIV medicine
	▪ Pediatric infectious diseases
	▪ Pediatrics
	▪ Preventive medicine (General/Public Health)

6 NURSES

1 PhD, MPH	1 MPH
2 PhD	1 MSPH

12 VETERINARIANS

1 PhD, MPH	9 MPH
1 MPH, MA	

3 OTHER DOCTORAL-LEVEL HEALTH PROFESSIONALS

1 PharmD, MPH	1 MPH, MMS
1 PharmD	

NON-CLINICAL

42 DOCTORAL SCIENTISTS

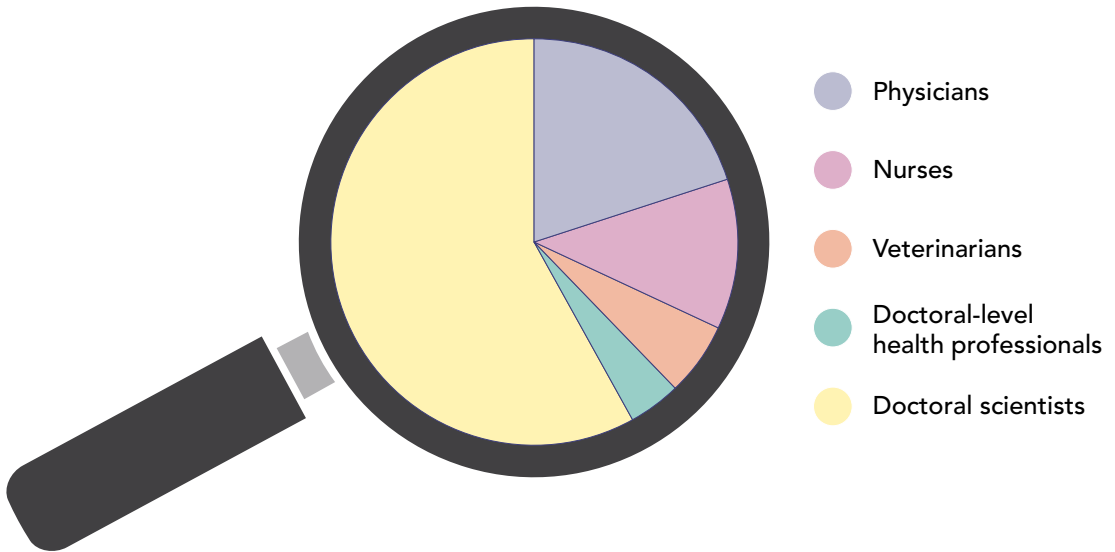
26 MPH	1 MS, MEd
1 MPH, MPhil	1 MSc
1 MPH, MS	1 SM
4 MS	

Doctoral degree disciplines

- Biomedical Sciences
- Molecular Microbiology and Immunology
- Cell and Molecular Biology: Microbiology, Virology, and Parasitology
- Ecology and Evolutionary Biology
- Entomology
- Environmental Health Sciences
- Environmental Science and Health
- Epidemiologic Science
- Epidemiological Science
- Epidemiology
- Epidemiology and Biostatistics
- Human Development and Family Science
- Immunology and Microbiology
- International Health
- International Nutrition
- Microbiology and Immunology
- Microbiology, Immunology, and Physiology
- Public Health
- Systems Engineering
- Women's and Reproductive Health

EIS Class of 2024 Professional Backgrounds

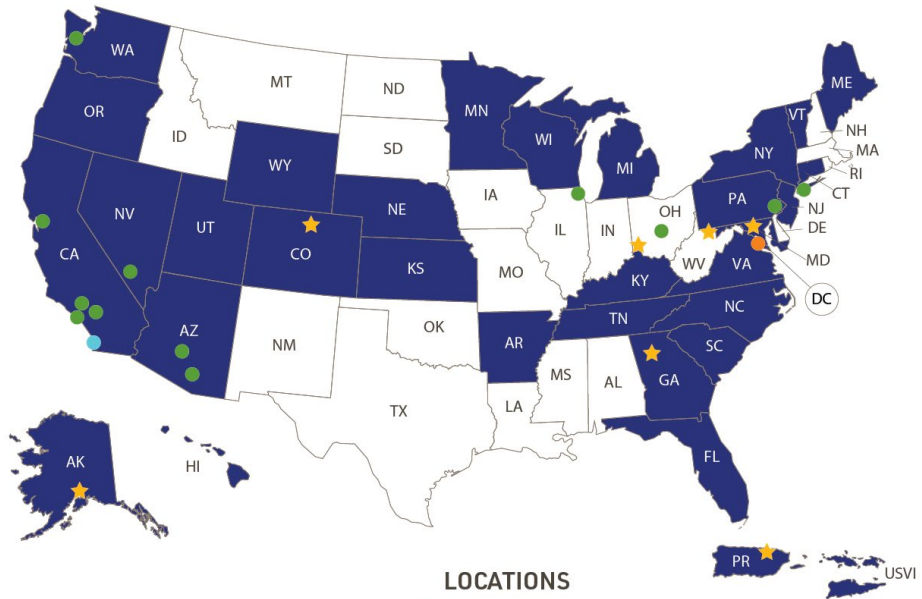
The 50 EIS officers in the class of 2024 were selected from 316 applicants.
This class begins their EIS fellowship in July 2024.



CLINICAL	
10 PHYSICIANS	
3 MSc 2 MPH 1 MScPH 1 MS	Physician specialties <ul style="list-style-type: none"> ▪ Infectious Disease ▪ Pediatrics ▪ Internal medicine ▪ Obstetrics and gynecology ▪ Surgery
6 NURSES	
2 DNP 1 DNP, PhD, MSN 1 DNP, MPH, MS 1 MPH, MS 1 MPH	
3 VETERINARIANS	
1 PhD 1 PhD, MPH 1 MPH	
2 OTHER DOCTORAL-LEVEL HEALTH PROFESSIONALS	
1 PharmD 1 PharmD, MBA, MPH	

NON-CLINICAL	
29 DOCTORAL SCIENTISTS	
13 MPH 4 MS 3 MSPH 2 MA	1 MSc 1 SM 1 ScM
Doctoral degree disciplines	
<ul style="list-style-type: none"> ▪ Biology ▪ Entomology ▪ Environmental Health Sciences ▪ Epidemiology ▪ Epidemiology and Microbial Diseases ▪ Global Health Sciences ▪ Health Services Research ▪ Infectious Disease (Virology) ▪ Infectious Disease Epidemiology ▪ Interdisciplinary Health Sciences ▪ Microbiology ▪ Neuroscience and Physiology ▪ Pediatrics ▪ Population Health Sciences ▪ Public Health ▪ Speech and Hearing Science 	

WHERE EIS OFFICERS WORK



2022 and 2023 EIS classes (172 officers)
86 in class of 2022 | 86 in class of 2023
Effective July 2023

LOCATIONS

- State or territorial health departments (38 officers)
- City, county, tribal, and other partners (19 officers)
- ★ CDC headquarters and campuses (113 officers)
- Combined local and federal positions (1 officer)
- Other federal agency (1 officer)

Host Site	Class of 2022	Class of 2023
State or territorial health departments	19	19
City, county, tribal health departments, and other partners	8	11
CDC Global Health Center	8	5
CDC National Center on Birth Defects and Developmental Disabilities	2	3
CDC National Center for Chronic Disease Prevention and Health Promotion	5	7
CDC National Center for Emerging and Zoonotic Infectious Diseases	16	18
CDC National Center for Environmental Health and the Agency for Toxic Substances and Disease Registry	2	2
CDC National Center for Health Statistics	0	1
CDC National Center for HIV, Viral Hepatitis, STD, and TB Prevention	6	4
CDC National Center for Immunization and Respiratory Diseases	10	10
CDC National Center for Injury Prevention and Control	6	1
CDC National Institute for Occupational Safety and Health	0	2
CDC Office of Health Equity	0	1
CDC Office of Public Health Data, Surveillance, and Technology	1	0
CDC Office of Readiness and Response	2	1
Combined local and federal positions	0	1
Other federal agencies	1	0
Total	86	86

Class of 2022 officer Caroline Waddell (left) interviews a participant in an mpox survey among people accessing homeless services or staying in encampments, shelters, or permanent supportive housing in San Francisco, California.





FIELD INVESTIGATIONS

CDC disease detectives investigate public health problems, such as infectious or noninfectious disease outbreaks, unexplained illnesses, or natural or man-made disasters. This page reflects a diverse sample of the short-term, rapid response EIS officers provided in 2023.



Violence & Injury Prevention

Worked with key community partners in Orleans Parish, Louisiana, to investigate an increase in fatal and nonfatal firearm assaults.



Rabies Virus

Worked with United States Department of Agriculture and local partners in Omaha, Nebraska, to develop and implement an enhanced public health surveillance program for eastern raccoon rabies virus variant that was detected for the first time in decades west of the Appalachian Mountains.



Homelessness

Assessed demographics, health conditions, barriers to housing, and encampment related health hazards among people experiencing homelessness in Denver, Colorado.



Chemical Exposures

Supported Ohio and Pennsylvania Departments of Health by conducting an Assessment of Chemical Exposures (ACE) investigation to assess potential health effects of a derailed train in East Palestine, Ohio, that had 20 railcars containing hazardous substances.



Pediatric Rash

Assisted the American Samoa Department of Public Health with investigating an acute rash illness outbreak initially suspected as measles and with improving local capacity for case and syndromic surveillance, outbreak response, and laboratory testing.



Dengue Virus

Assisted the Peruvian Ministry of Health in Lima, Peru, with dengue outbreak response, assessment of dengue cases and clinical training, and data analytics support.



Syphilis

Assisted the Great Plains Tribal Leaders Health Board with investigating an outbreak of adult and congenital (passed to baby during pregnancy) syphilis among American Indians in the Great Plains Area; worked with tribal and state partners across four states to implement a variety of epidemiological, clinical, behavioral science, and disease intervention activities.



Healthcare-Associated Infection

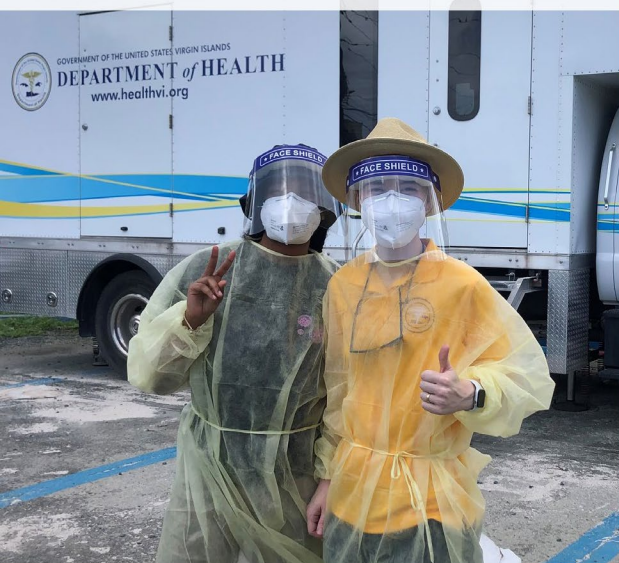
Investigated methicillin-resistant *Staphylococcus aureus* (MRSA) infections, which is a type of staph bacteria resistant to antibiotics, in babies at a Virginia hospital's intensive care unit.

BEYOND EIS

1 in 4 state epidemiologists are EIS alumni



4 of the last 12 CDC Directors are EIS alumni



1 in 4 CDC center leaders are EIS alumni



97% of recent EIS graduates continue in public health-related positions

To learn more, visit www.cdc.gov/eis