CDC: The Nation’s Health Protection Agency

- Founded in 1946
- Part of the US. Department of Health and Human Services
- Headquartered in Atlanta, GA
- 14,000+ employees
- 70% of funding helps state and local public health departments and others
All Heroes Don’t Wear Capes

EIS Officers Are Public Health Heroes

When disease outbreaks or natural disasters strike at home or abroad, EIS officers ─ CDC’s “boots-on-the-ground” disease detectives ─ are there.
“EIS is the world’s best introduction to interventional epidemiology: finding problems fast, and stopping them.”

Tom Frieden, MD, MPH
Former Director, CDC
EIS Helps Turn Science into Real World Solutions

65+ Years of Success — Protecting People and Saving Lives

Polio       Measles
HIV / AIDS  Smallpox
SARS        TB
Ebola       MERS
E.coli 157  Zika
What is the Epidemic Intelligence Service?

2-year postgraduate fellowship in applied epidemiology for health professionals interested in public health

• Trains through hands-on assignments and mentoring
• Provides opportunity to gain applied, front-line public health experience
• Modeled on traditional medical residency program
EIS: Who is Eligible?

- Physicians
- Veterinarians
- Nurses
- Allied healthcare professionals
- Doctoral-level scientists

Refer to cdc.gov/eis for eligibility requirements for each profession, or email eis@cdc.gov.
EIS Mission:
Domestic and International Service

- Provide epidemiologic assistance
- Prevent and control disease and injury
- Promote health
- Build capacity
EIS Mission: Training

Skill development work includes
• Applied epidemiology
• Quantitative methods
• Research design
• Epidemiologic judgment
• Health communication
EIS Officer Assignments

State or local health departments

- Broad front-line public health experience
- Surveillance, investigation, and intervention
EIS Officer Assignments

CDC headquarters and campuses

• Specialized disease or problem-specific experience (e.g. vaccine-preventable diseases, STDs, injury, ectopic pregnancy)

• Surveillance, investigation, and policy development
EIS: Limitless Possibilities

From assessment of farm wells in the Midwest

To responding to the Ebola outbreak in West Africa

EIS offers the unique potential to make a difference in people’s lives anywhere, at any time...
EIS Officers Across the Country

LOCATIONS

2015 and 2016 EIS classes (158 Officers)
80 in class of 2015 | 78 in class of 2016

Effective July 2016

- State and territorial health departments (33)
- City, county, tribal, and others partners (10)
- CDC headquarters and campuses (115)
EIS: Outbreak Investigations

EIS officers in the 2015 and 2016 classes reported 281 deployments to conduct field investigations addressing urgent public health needs in the United States and worldwide.
**Examples of CDC Emergency Operations Center Deployments of EIS Officers**

- West Nile virus (2002)
- SARS (2003)
- Monkey pox (2003)
- Hurricane Katrina (2005)
- Rift Valley fever in Kenya (2007)
- Acanthamoeba keratitis (2007)
- H1N1 (2009)
- Haiti earthquake (2010)
- Polio eradication (2012)
- Ebola (2007 and 2014)
- Zika (2015 and 2016)
EIS Training Model: Service While Learning

- 10% classroom instruction, case studies, exercises, and e-learning
- 90% experiential learning on the job
EIS Training Model: Service While Learning

90% experiential learning on the job
- Provide service to CDC and partners (especially state and local health departments)
- Investigate outbreaks
- Conduct epidemiologic investigations
- Conduct public health research
- Conduct and evaluate public health surveillance
- Study infectious or chronic diseases, environmental or occupational health, injuries, or birth defects and developmental disabilities
Professional skills and abilities are acquired and refined through EIS

- Investigation of acute outbreaks and hazards
- Analysis of large datasets
- Evaluation of surveillance systems
- Publication and presentation of scientific manuscripts
- Oral presentation at national conferences
- Response to public inquiries
If you are looking for an exciting career, take a look at EIS!

- EIS alumni are leaders in global public health, academia, research, foundations, public health practice, and the media
- EIS graduates often stay with CDC (about 75%)
  - 20% are in academia
  - <10% are in private practice

As an EIS alumnus, join an elite group (>3,600) recognized as world class problem-solvers
Everybody WANTS to make a difference.

EIS often IS the difference!

You can improve the lives of thousands and effect change and offer hope to communities or entire countries.
Choose EIS as your gateway to an exciting and rewarding career!

To learn more, please visit www.cdc.gov/EIS or contact EIS at EIS@cdc.gov