

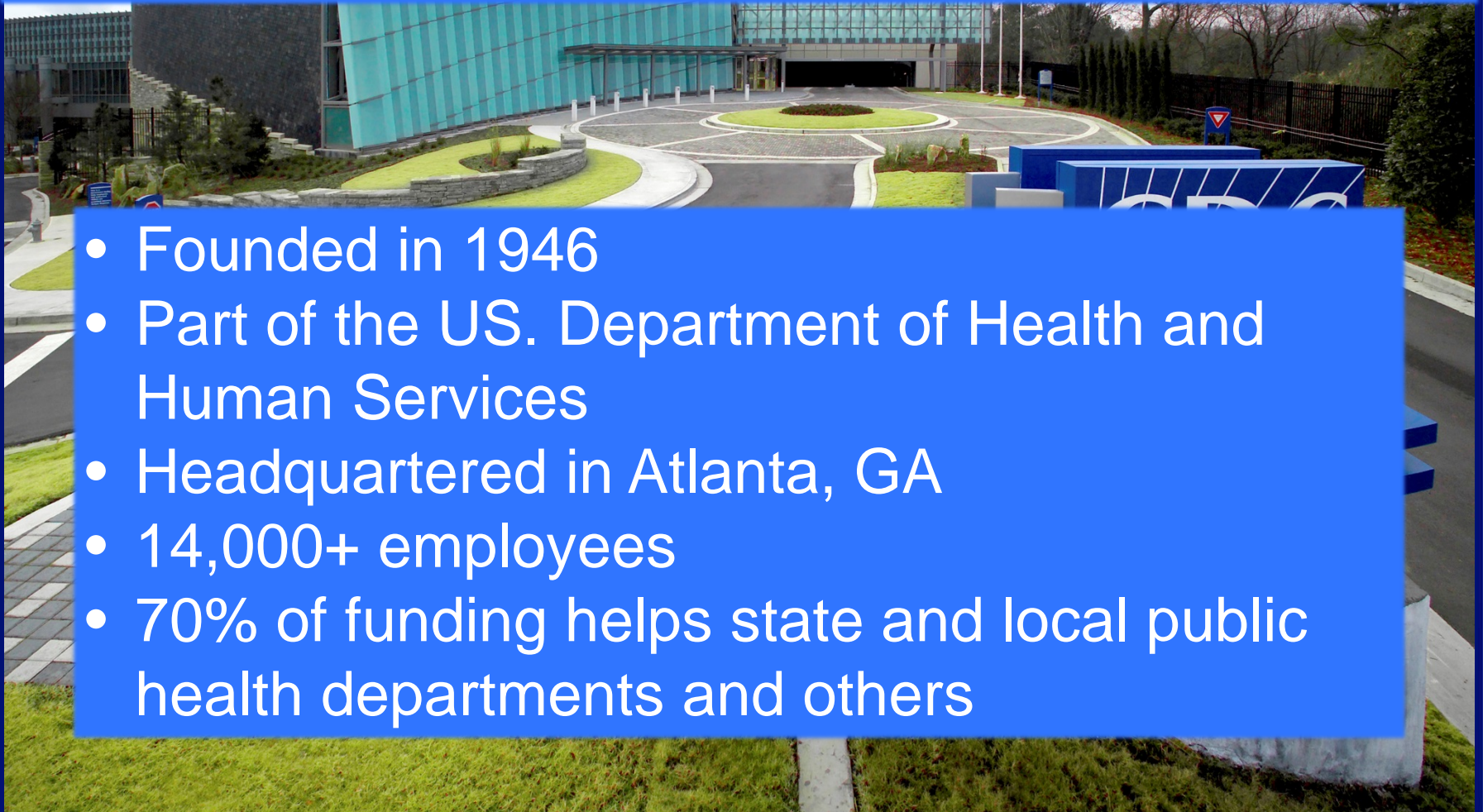
CDC's Epidemic Intelligence Service



Center for Surveillance, Epidemiology, and Laboratory Services
Division of Scientific Education and Professional Development



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

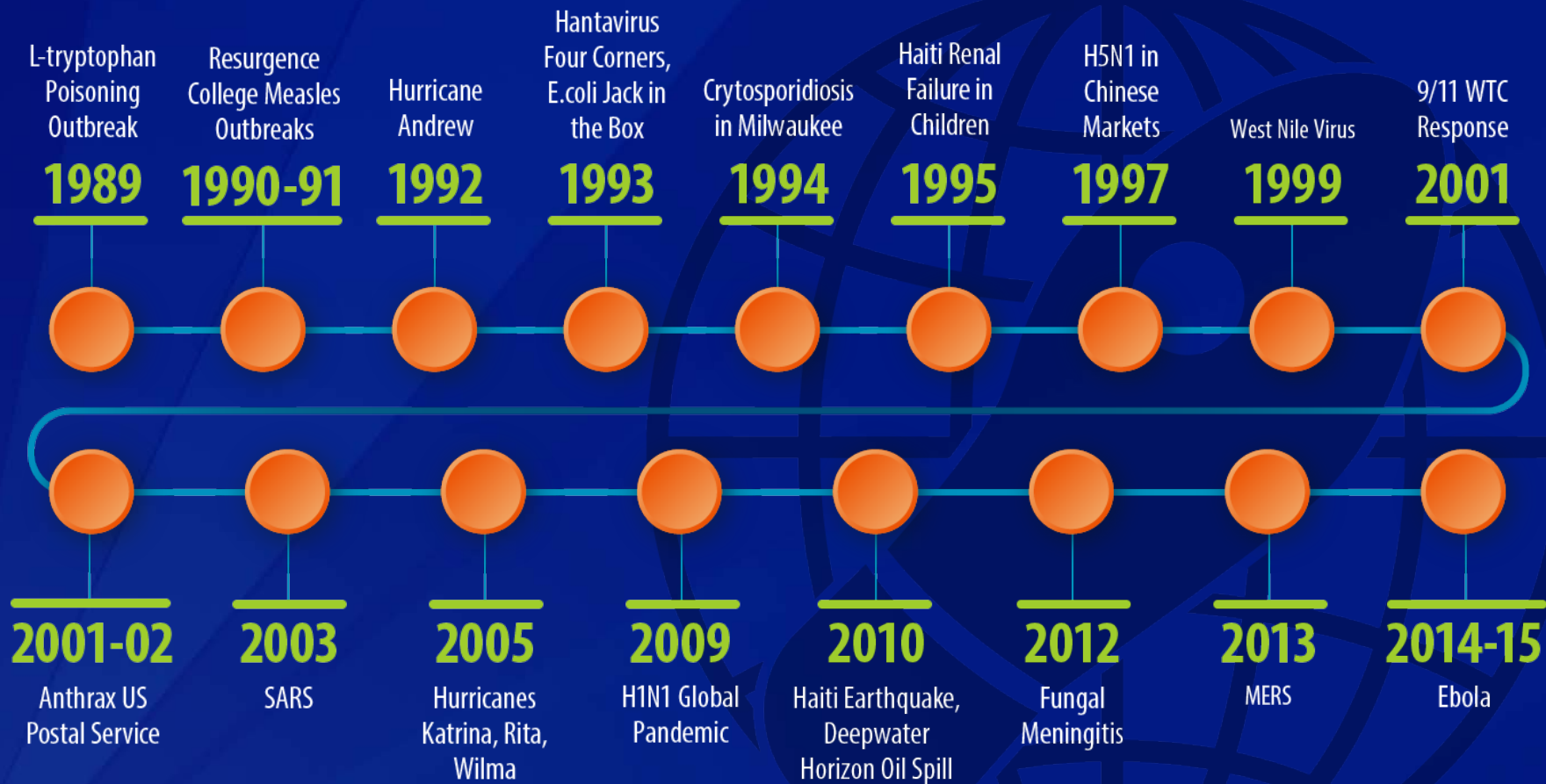


65+ Years of Success — *Protecting People and Saving Lives*

Polio
HIV / AIDS
SARS
Ebola
E.coli 157

Measles
Smallpox
TB
MERS
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

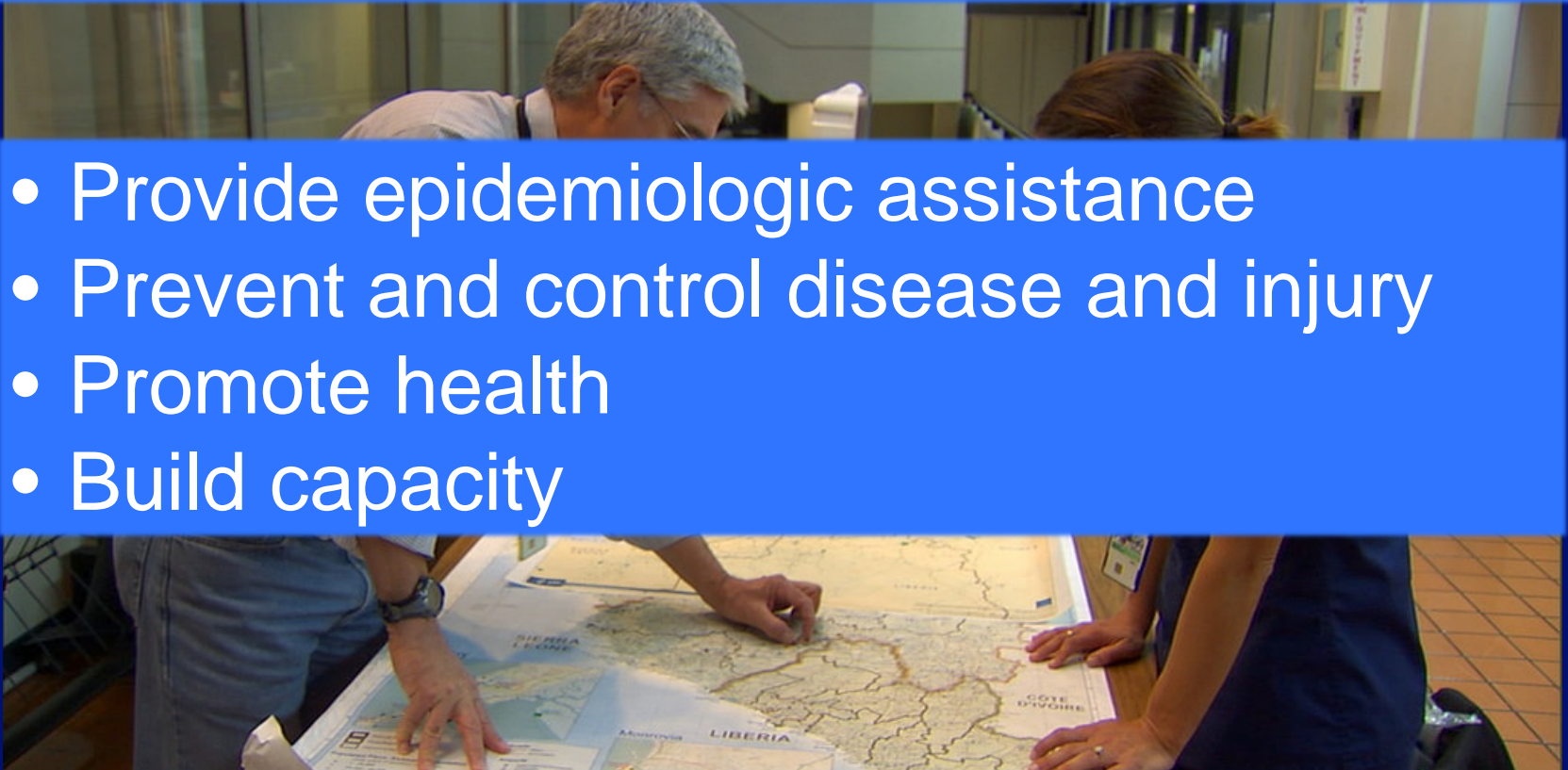
EIS: Who is Eligible?

- 
- **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



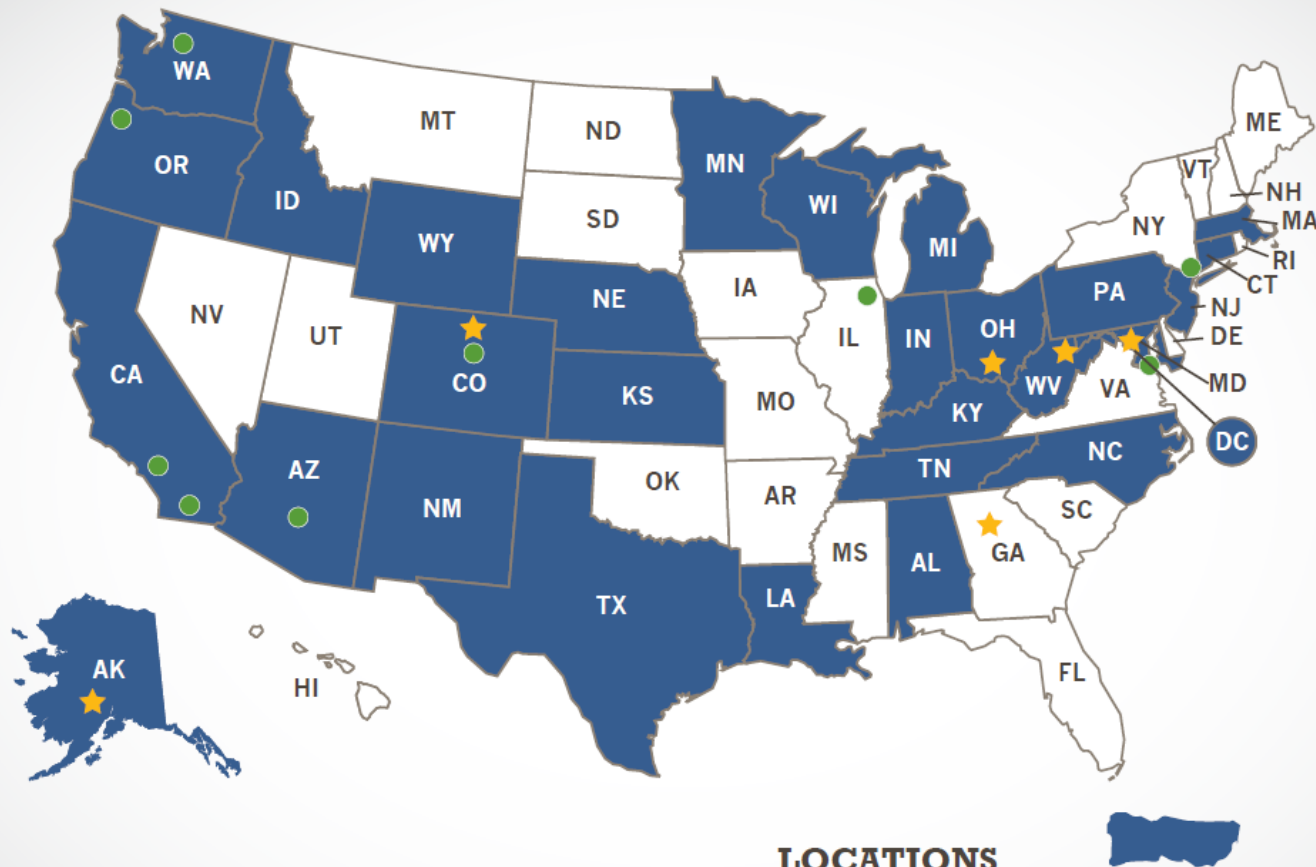
From assessment of farm wells in the Midwest



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



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

Effective July 2016

LOCATIONS

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

EIS: Outbreak Investigations



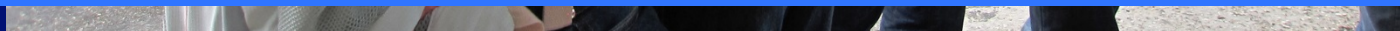
EIS officers in the 2015 and 2016 classes reported **281** deployments to conduct field investigations addressing urgent public health needs in the United States and worldwide



Examples of CDC Emergency Operations Center Deployments of EIS Officers



- West Nile virus (2002)
- SARS (2003)
- Monkey pox (2003)
- Avian influenza (2004)
- 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

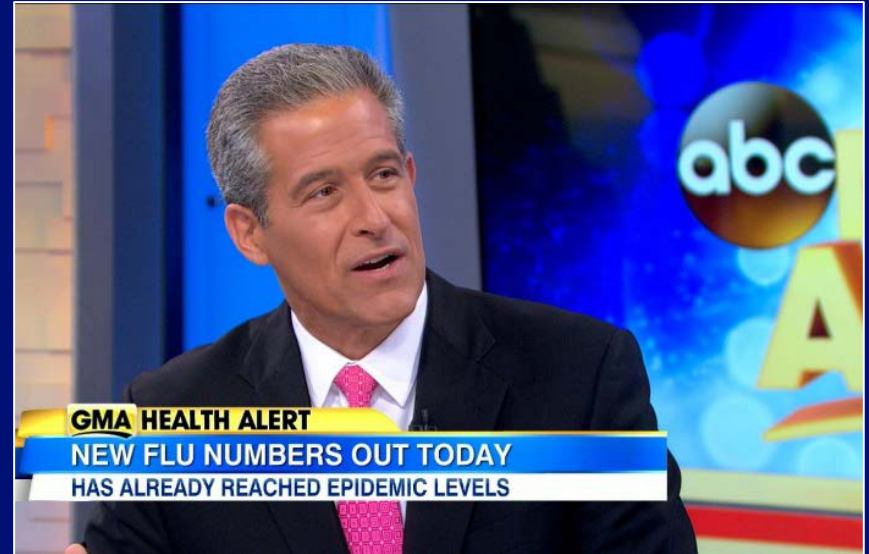
EIS Prepares You for Anything Become a World Class Problem-solver

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



Dr. Helene Gayle
President /CEO, CARE



Dr. Richard Besser
President/CEO, RWJF



Dr. Tom Frieden
Former Director, CDC

**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

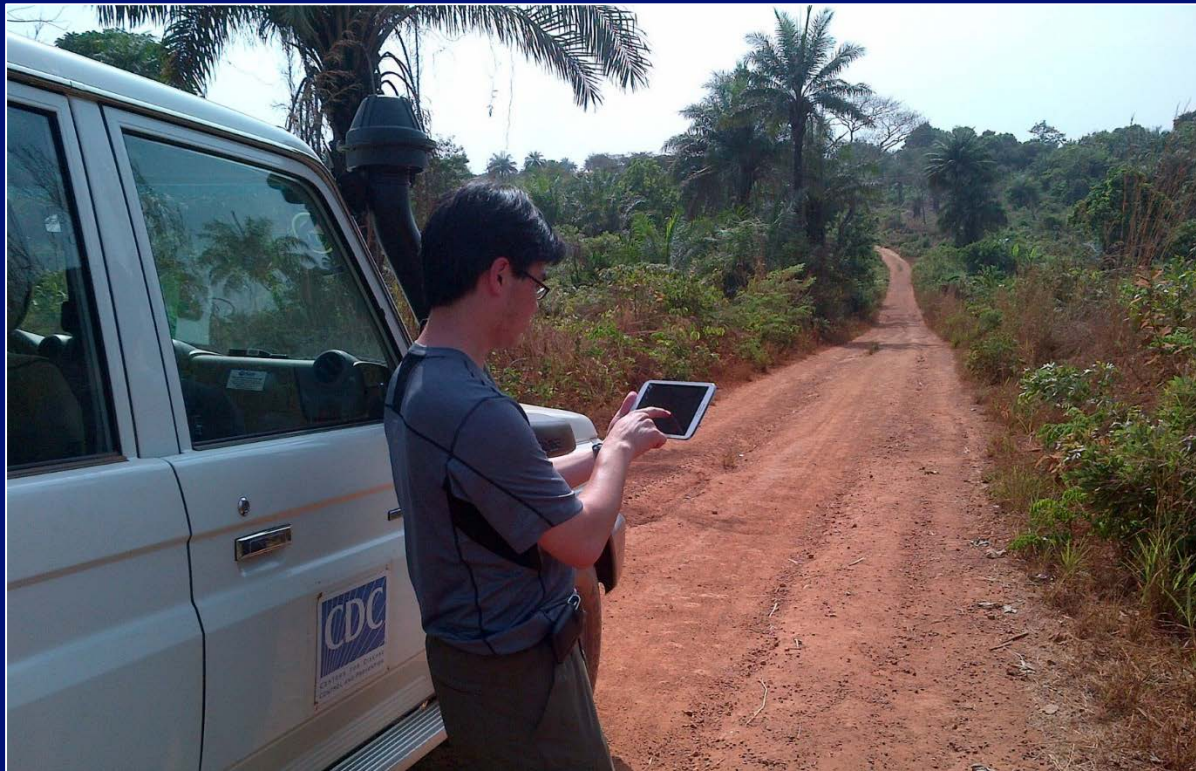
**As an EIS alumnus, join an elite group (>3,600)
recognized as world class problem-solvers**

**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



For more information please contact: Epidemic Intelligence Service Program

1600 Clifton Road NE, Mailstop E-92, Atlanta, GA 30329

Telephone: 404-498-6110 Fax: 404-498-6535

Email: EIS@cdc.gov Web: www.cdc.gov/EIS

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

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