





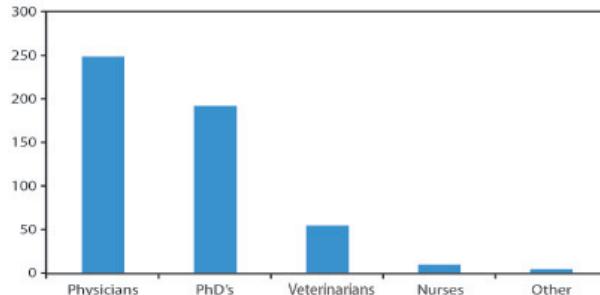
*"Our goal is to develop a cadre of well-trained health professionals to continue epidemiologic investigations, research, and public health surveillance both nationally and internationally."*

## EIS Activities

Examples of on-the-job opportunities include:

- EIS officers investigated a nationwide outbreak of a specific strain of *Salmonella* Typhimurium. Case-patients infected with the outbreak strain were identified in 31 states. The investigation revealed the vector as aquatic frogs kept as pets in the case-patient households. This was the first reported outbreak of *Salmonella* Typhimurium associated with amphibians and will likely result in changes in the marketing of these pets.
- EIS officers assessed mercury poisoning in a community engaged in artisanal gold mining. The officers found that mercury contamination was not limited to miners (1/3 of the study population in Madre de Dios, Peru) but was present in 91% of the study participants. The investigation led to community education, risk mitigation, and further surveillance.
- EIS officers analyzed the impact of rotavirus vaccination for infants in Brazil. Results showed significant declines in mortality for children younger than 5 years, diarrhea-related mortality, and hospital admissions for diarrhea.

**Education Background of EIS Officers  
2006—2011\***



\*During 2006–2011, there were 488 EIS officers and some officers hold multiple advanced degrees.

## Selected EIS Publications

Bell BP, Goldoft M, Griffin PM, Davis MA, Gordon DC, Tarr PI, et al. A multistate outbreak of *Escherichia coli* O157:H7-associated bloody diarrhea and hemolytic uremic syndrome from hamburgers. The Washington experience. *JAMA*. 1994 Nov 2;272(17):1349-53.

Centers for Disease Control (CDC). Kaposi's sarcoma and *Pneumocystis pneumonia* among homosexual men—New York City and California. *MMWR Morb Mortal Wkly Rep*. 1981 Jul 3;30(25):305-8.

Honein MA, Paulozzi LJ, Erickson JD. Continued occurrence of Accutane® exposed pregnancies. *Teratology*. 2001 Sep;64(3):142-7.

Novel Swine-Origin Influenza A (H1N1) Virus Investigation Team, Dawood FS, Jain S, Finelli L, Shaw MW, Lindstrom S, Garten RJ, et al. Emergence of a novel swine-origin influenza A (H1N1) virus in humans. *N Engl J Med*. 2009 Jun 18;360(25):2605-15. Epub 2009 May 7. Erratum in: *N Engl J Med*. 2009 Jul 2;361(1):102.

Perrine CG, Sharma AJ, Jefferds ME, Serdula MK, Scanlon KS. Adherence to vitamin D recommendations among US infants. *Pediatrics*. 2010 Apr;125(4):627-32. Epub 2010 Mar 22.

Siston AM, Rasmussen SA, Honein MA, Fry AM, Seib K, Callaghan WM, et al.; Pandemic H1N1 Influenza in Pregnancy Working Group. Pandemic 2009 influenza A (H1N1) virus illness among pregnant women in the United States. *JAMA*. 2010 Apr 21;303(15):1517-25.