This position is in Environmental and Occupational Epidemiology, a Division of the Bureau of Epidemiology that is staffed by twenty-four environmental health professionals including eight epidemiologists. Research and surveillance opportunities are widely available in occupational or environmental diseases and hazards and can be tailored to the fellow's interests. Direct access to health statistics data facilitates research using vital records, cancer and birth defect registries, and hospital discharge data. We also have several large databases suitable for epidemiologic analyses, including the PBB cohort study, with 25 years of follow-up data, and a number of occupational disease surveillance systems available through Dr. Ken Rosenman at Michigan State University (MSU).

Examples of field and analytic projects include:

1. The analysis of surveillance systems for adverse birth outcomes, hazardous air pollutants, asthma, blood lead, pesticides poisoning, or injuries, and their linkage for environmental health tracking.
2. Examination of statewide Poison Control Center data to identify geographic and other risk factors for poisonings and target interventions.
3. Contribution to the work on the development of syndromes surveillance for chemical terrorism events.
4. Surveillance for adverse effects of pesticide spraying to control W. Nile virus spread.
5. Characterization of the proportion of ED visits due to occupational injuries.
5. Analysis of mortality or cancer incidence of cohorts exposed to Polybrominated Biphenyls (PBBs), PCBs or other toxic chemicals.
7. Implementation of a cross-sectional survey and biomonitoring of a community with widespread environmental dioxin contamination.

Opportunities for occupational disease or injury outbreak investigations are also available through the MIOSHA program and Dr. Ken Rosenman at MSU Occupational Medicine.

The Fellow may participate in evaluations of several projects in the Division, including: use of statewide Poison Center data for surveillance of occupational and childhood poisonings; our Acute Occupational Pesticide Poisoning surveillance system, our Occupational Health Indicators project, and our tracking project linking adverse birth outcome data with measures of critical air pollutants.

The Fellow will receive training in bioterrorism from participation in on-going BT activities within MDCH as well as attendance at various workshops and conferences that will be coordinated by the department's Office of Public Health Protection through Focus Area G.

Assignment Location: Lansing, MI

Primary Mentor:	Lorraine Cameron, MPH, PhD Manager, Epidemiology and Surveillance Section/Environmental Epidemiologist (1998-present)
Advanced Degrees:	PhD, Johns Hopkins School of Hygiene and Public Health (1985) MPH, University of Michigan School of Public Health (1976)
Secondary Mentor:	Matthew Boulton, MD, MPH State Epidemiologist (October 1998-present)
Advanced Degrees:	MD, University of Nevada School of Medicine (1987) MPH, University of Michigan (1991)