**A Tale of Two Agencies:**

**The Quest for Developing a Health Data Sharing Agreement**

# 2007 - 2008

# Environmental Public Health Leadership Institute Fellow:

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# EXECUTIVE SUMMARY:

Hospital data can be used by epidemiologists and public health officials to monitor the health status of a community and to perform disease surveillance. Although primarily used for medical billing purposes, hospital data can serve as a rich source of health information providing valuable insight for evaluating selected chronic and acute diseases, and establishing and reporting health trends in the population.

In Florida, the Agency for Health Care Administration (AHCA) collects and manages all hospital data for the entire state. Hospital data is considered confidential, and to receive this data, all applicants, including the Florida Department of Health (FDOH) must submit an annual “request for data” application. From a state health department’s perspective, requesting this data has proven to be a repetitive, lengthy and time consuming process. This leadership project utilizes methods focused on recognizing, describing and identifying barriers in an attempt to facilitate a process to overcome a cumbersome, annual renewal application process. The goal is to work towards developing a multi-year data sharing agreement (DSA) between the Florida Department of Health and the Florida, Agency for Health Care Administration.

The “shifting the burden” and “fixes that backfire” archetypes were selected, a casual loop developed, role-playing dialogue was constructed and an action plan developed. Other methods included interviews with data administrators and attorneys among the two agencies and internal meetings with stakeholders.

The short term benefits include, an interagency application being developed, and a January 2008 meeting scheduled with the new AHCA leadership to propose a DSA. As a result of this project, FDOH senior leadership is now cognizant of the situation and intends to pursue this idea. The EPHLI has improved my knowledge and abilities to strategize and frame the discussions for FDOH with AHCA for enabling a continuing this dialogue into 2008. In addition, this project has improved my negotiation approaches and skills For collaborating with other agencies. Long term, these AHCA negotiations may prove to have long lasting benefits to the Division of Environmental Health as well as other Divisions within the Florida Department of Health.

A policy determination has yet to be made of why a DSA can not be developed, however the recent change of leadership at AHCA may prove to be an opportunity for securing a DSA. Also, the National Association of Health Data Organization had developed a national-level work group to develop a uniform DSA that can be used by all states. Florida has been participating in these efforts, which may prove beneficial not only to Florida, but at the national level.

# INTRODUCTION/BACKGROUND:

Hospital data plays an important role in public health surveillance. In Florida, hospitals and medical care facilities are required by Florida Statutes to report patient health data to the Agency for Health Care Administration. Throughout time, the Florida Department of Health (FDOH), Office of Planning, Evaluation, Data Analysis and Statistics (Vital Stats) has been the primary users of AHCA data to cross verify vital birth and death records. AHCA provides non-confidential health data to the Office of Vital Stats on an annual basis.

Besides using hospital data for tracking and producing vital statistics reports, there are many other important uses for the data, including public health surveillance. Currently, FDOH is being funded by CDC to help develop an environmental public health tracking network (EPHTN). One of the primary goals of EPHTN project is to link selected hospital health data with data on environmental hazards, to help identify patterns and trends of chronic diseases in the population. For example, linking asthma hospitalization data with outdoor air pollution data to identify if there are certain times of the year when there is an increase in rates.

Obtaining confidential hospital data on an on-going, un-interrupted, electronic basis is crucial for the project to succeed. Confidential data differs from non-confidential data by the variable contained in the dataset. The confidential hospital data needed for the project includes obtaining these selected identifiers within the data, such as social security number and zip codes. The Office of Vital Statistics does not get this detailed (low-level resolution) therefore; they receive a non-confidential, public-use CD, in a time efficient, non rigorous manner.

AHCA has an annual renewal application process for confidential information that has been both cumbersome and time consuming to complete. As a “sister” agency, FDOH is still required to complete many application forms, obtain multiple signatures, and proceed through a lengthy, often time-delayed process of obtaining recurring data.

A request for confidential information to AHCA, from any state agency, Division or Bureau within government, requires the applicant to complete a formal application, and a hierarchy of upper management signatures from both Agencies. Despite the importance of obtaining data from AHCA, there has never been an “official” agreement between the two agencies that would allow Division’s, Bureau’s at FDOH to obtain confidential data in an easy manner.

According to sources within FDOH, the Department has been actively pursuing a health data sharing agreement (DSA) from the Agency for Health Care Administration for a number of years. However, a DSA has never transpired.

The primary stakeholders of this project are those epidemiologists with FDOH, and 16 other state and city health departments federally funded for the Environmental Public Health Tracking grant. As mentioned, the primary focus of the grant is to integrate data from health and environmental agencies to evaluate adverse chronic disease outcomes, such as cancers and birth defects. Other stakeholders include other state health departments, county health departments (CHD’s), Agencies for Health Care, Department’s of Environmental Protection (DEP’s), Federal agencies (i.e, US EPA, ATSDR), not-for-profit agencies and professional organizations. The Tracking states must partner with stakeholders, with the goal of bringing health and environmental data sets together for the purposes of exploring potential health risk relationships.

The majority of state health and environmental agencies collect data as a regulatory means. Health agencies collect health data for billing purposes, and environmental agencies collect data to assure compliance of air, water, sewage, etc.., Both, health and environmental agencies are typically stove-piped with data, and rarely do the two meet; state health agencies would benefit by having hospital data that could be “linked” with environmental hazard data to analyze and determine trends of health outcomes (i.e., asthma, myocardial heart infarctions and birth defects) in the population-at-risk.

Health and environmental data will continue to be stored and under utilized for the purposes of research or public health surveillance. It is unknown at this point if either the environmental or health agencies perceive change. Some agencies, for example, the US EPA, are making a paradigm shift for sharing their data for accountability, others may potentially follow suit.

***Problem Statement:***

*In Florida, the Agency for Health Care Administration (AHCA) requires the Florida Dept. of Health (FDOH) to proceed through a lengthy and time consuming application process to receive health data. As a “sister” governmental agency, bound by similar health care protection laws and regulations as AHCA, FDOH receives no special consideration or expedited review in the data request process. This process presents concerns for surveillance purposes. This process appears to be similar at the national level, and needs to be streamlined, so that health data can be more easily retrieved by state (environmental) health departments*.

***Behavior Over Time Graph:***

***Causal Loop Diagrams and applicable archetypes:***

***10 Essential Environmental Health Services:***

This project, “The Quest to Develop a Data Sharing Agreement” fulfills six (6) of the objectives identified in the Institute of Medicine (IOM) Report, including Assessment, Policy Development and Assurance including;

**ASSESSMENT:**

Monitor Health: This project is primarily built on the need for conducting surveillance using hospital data linked with environmental data.

Diagnose and Investigate: result of this project will be to use data to help better understand the relationship between health and environmental hazards

**ASSURANCE:**

Evaluate Effectiveness: Having a DSA will enable the Florida EPHTN to evaluate and measure progress of intervention and prevention efforts

**POLICY DEVELOPMENT:**

Inform, Educate and Empower: By using the data from this project, will be used to inform stakeholders, communities about how their health may be impacted by environmental hazards.

Mobilizing Community Partnerships: The end results after formalizing a DSA and providing researchers with data needed to produce results in a more timely fashion may help to mobilize and engage community partnerships, particularly stakeholders to identify environmental hazards and the need of environmental interventions.

Develop Policies: With a successful project, a data sharing agreement may spur a national policy effort for all state health care administration agencies to share data with their Department of Health.

Figure 1: Picture courtesy of Carl Osaki, MSPH, RS

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***National Goals Supported***

1. CDC Health Protection Goals

This project supports the primary CDC Health Protection Goal: “Healthy People in Healthy Places.” As a result of implementing the data sharing agreement, health department’s capacity will increase by having data partners and a more efficient and increased way of conducting surveillance on a routine basis, promoting the health and safety of communities.

2. Healthy People 2010

In addition, this project also meets the following Health People 2010 objectives:

**23-2.** Increase the proportion of Federal, Tribal, State, and local health agencies that have made information available to the public in the past year on the leading health indicators, and priority needs.

**23-12.** Increase the proportion of Tribal, State, and local public health agencies that provide or assure comprehensive epidemiology services to support essential public health services.

**8-27.** Increase or maintain the number of Territories, Tribes, and States, and the District of Columbia that monitor diseases or conditions that can be caused by exposure to environmental hazards.

3. National Strategy to Revitalize Environmental Public Health Services

This project support four (4)goals outlined to support revitalizing environmental public health services.

**Goal I**. Build Capacity. Enlighten policy makers and other state agencies to Environmental Public Health and Data Sharing, and an opportunity to coordinate and collaborate with policy development.

**Goal II**. Support Research to define Effective Approaches to Enhance Environmental Public Health Services. Linking research with health and environmental data.

**Goal III**. Foster Leadership to Enhance Environmental Public Health Service. Enhance EPH by developing strong working relationships, specifically, among stakeholders,

**Goal IV**. Communicate and Market. Improve communication, information and data sharing among health care administration and public health agencies.

4. Environmental Health Competency Project: Recommendation for Core Competencies for Local Environmental Health Practitioners

This project supports two (2) recommendation for Core Competencies for Local Environmental Health Practitioners.

A2. Data Analysis and Interpretation: The capacities to analyze data, recognize meaningful test results, interpret results, and present the results in a meaningful way to different types of audiences. This project supports data sharing for public health surveillance.

B7 Partnering: The capacity to form partnerships and alliances with other individuals and organizations in order to enhance performance on the job. This project recognizes the need for state agencies to share data and form partnerships so that epidemiologists and other public health authorities enhance findings.

***Project Logic Model:***

# PROJECT OBJECTIVES/DESCRIPTION/DELIVERABLES:

**Program Goal:** To increase inter-agency collaboration between the FDOH and AHCA, and develop a data sharing agreement (DSA) between FDOH and AHCA to share (confidential) hospitalization data in a timely and consistent manner.

**Health Problem:** Increasing rates of chronic diseases and lack of public health surveillance of adverse health conditions associated with environmental hazards.

**Outcome Objective:** Develop a data needs assessment group, and establish a joint DSA agreement between the AHCA and FDOH.

**Determinant:** Hospital data is not being used to full potential - a lengthy application process to obtain confidential health information contributes to a gap in proactive public health surveillance.

**Impact Objective:** By 2008, one (1) Division or Bureau within the FDOH should be obtaining confidential hospitalization data and using it for public health surveillance purposes.

**Contributing Factors:**

There has never been a coordinated effort from FDOH, Divisions or Bureaus to

obtain confidential hospitalizaCHAPTER 62-210 STATIONARY SOURCES - GENERAL REQUIREMENTS62-210.100Purpose and Scope. (Effective 1/10/07)62-210.200Definitions. (Effective 3/16/08)62-210.220Small Business Assistance Program. (Effective 2/11/99)62-210.300Permits Required. (Effective 3/16/08)62-210.310Air General Permits. (Effective 5/9/07)62-210.350Public Notice and Comment. (Effective 2/2/06)62-210.360Administrative Permit Corrections. (Effective 3/16/08)62-210.370Emissions Computation and Reporting. (Effective 7/3/08)62-210.550Stack Height Policy. (Effective 11/23/94)62-210.650Circumvention. (Effective 8/26/1981)62-210.700Excess Emissions. (Effective 11/23/94)62-210.900Forms and Instructions. (Effective 7/3/08)62-210.920Registration Forms for Air General Permits. (Effective 5/9/07)62-210.100 Purpose and Scope.The Department of Environmental Protection adopts this chapter to establish general requirements for stationary sources of air pollutant emissions and definitions for use in this chapter as well as Chapters 62-212, 62-213, 62-214, 62-296, and 62-297, F.A.C. This chapter provides criteria for determining the need for an owner or operator to obtain Department authorization, by individual air permit, or by air general permit, to conduct certain activities involving sources of air pollutant emissions. It provides procedures to apply for an air construction or non-Title V air operation permit, or to register for use of an air general permit. It establishes public notice requirements, reporting requirements, and requirements relating to estimating emissions and using air quality models. This chapter also sets forth special provisions related to compliance monitoring, stack heights, circumvention of pollution control equipment, and excess emissions.Specific Authority 403.061 FS. Law Implemented 403.031, 403.061, 403.087 FS. History–New 2-9-93, Formerly 17-210.100, Amended 11-23-94, 1-10-07.62-210.200 Definitions.The following words and phrases when used in this chapter and in Chapters 62-212, 62-213, 62-214, 62-296, and 62-297, F.A.C., shall, unless the context clearly indicates otherwise, have the following meanings:(1) “Acid Mist” – Liquid drops of any size of any acid including sulfuric acid and sulfur trioxide, hydrochloric acid, and nitric acid as measured by EPA test method 8, adopted by reference at Rule 62-204.800, F.A.C., and listed at Rule 62-297.401, F.A.C.(2) “Acid Rain Compliance Option” – A method of compliance available to an Acid Rain unit under the Federal Acid Rain Program.(3) “Acid Rain Compliance Plan” – That portion of an Acid Rain Part application submitted by the designated representative of an Acid Rain source which specifies the methods, or compliance options, by which each Acid Rain unit at the source will meet the applicable Acid Rain emissions limitation ation data from AHCA, except in a piece-meal fashion.

Lack of communication between agency, and no clear criteria available that would explain why FDOH cannot obtain data, only verbal responses.

**Process Objectives:**

1. By 2008, key stakeholders within FDOH will demonstrate awareness of complications and need towards receiving confidential information from AHCA.

# METHODOLOGY:

***Events and Activities***

**Event:** Awareness of issue is common knowledge among key stakeholders and upper management.

**Activities:**

a) Internal FDOH meeting held to discuss strategy to move towards developing a Data Sharing Agreement.

b) Obtain an electronic spreadsheet list of all FDOH users of AHCA data.

c) Hold internal FDOH meeting. Appoint liaison, Meade Grigg, Director, Office of Planning, Evaluation, Data Analysis and Statistics, to take leadership role to discuss a data sharing agreement with AHCA.

e) Meeting scheduled with new leadership at AHCA.

# RESULTS:

At this time, a formal DSA between FDOH and AHCA has not been developed, however an interagency data application (see attached) was modified to help ease the data application process. The interagency request for data is now a less intensive process, however, still requires an annual renewal. Additionally, a recent change of leadership has prompted another meeting which may prove to be an opportunity for securing a DSA in the near future. In addition, communication between the two agencies has increased, and the stimulation provided by this project has helped to formulate an internal partnership among selected Division’s within FDOH, and gain momentum to support an effort for a DSA.

# CONCLUSIONS AND NEXT STEPS:

In summary, the system thinking approach using the shifting the burden and fixes that backfire archetypes, helped to propel this project towards identifying obstacles to reach resolution. The result of the work effort of this leadership project helped to stimulate a heightened interest between agencies of sharing hospital data. Although a forma data share data on a recurring basis between agencies has not matured, an interagency data request application was developed. More importantly, a communication channel has been established, and management is keenly aware of the need for a more collaborative effort to partner to share data.

At the National level, this project is supported by the CDC Environmental Public Health Tracking Branch, National Association Health Data Organization and several other Health Tracking funded states. The National Association of Health Data Organization (NAHDO) has been working to make DSA’s between health care agencies and health departments a reality among states. Currently, NAHDO and CDC are assisting a national work group effort to develop a uniform DSA that can be used by at a national level. Florida Department of Health is involved with this federally funded Environmental Pubic Health Tracking states to work on this issue at a national level.

Next steps include continuing to participate at the state and national levels in workgroups and to advocate the need for agencies to develop DSA’s and to share hospital data.

**Application for Inter-Agency Staff Access to Confidential Data**

Name of Applicant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ E-mail: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Applicant’s Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title of Project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Agreement for Inter-Agency Staff Access to Confidential Data**

By signing below, the Applicant agrees not to share the data externally or internally unless specifically authorized. The Applicant agrees to use the data only for the purpose stated in this application. The Applicant agrees to secure the data and any reports containing the data when not being used, use password protection, and provide for proper disposal of the data and reports, so that confidentiality will not be breached. The Applicant acknowledges that failure to abide by the terms of this agreement may subject the Applicant to penalties for wrongful disclosure of Protected Health Information under federal law. The Applicant agrees to ensure that any subcontractors of the Applicant do agree to the same connd Acid Rain emissions reduction requirements.(4) “Acid Rain Compliance Schedule” – An enforceable sequence of actions, measures, or operations designed to achieve or maintain compliance, or correct noncompliance, with an applicable requirement of the Acid Rain Program, including any applicable Acid Rain Part permit requirement.(5) “Acid Rain Emissions Limitation” – The EPA-established sulfur dioxide and nitrogen oxides emissions limitations under the Federal Acid Rain Program.(6) “Acid Rain Part” – That separate portion of the Title V source permit specifying the Federal Acid Rain Program requirements for an Acid Rain source, and for the owners, operators and the designated representative of the Acid Rain source or the Acid Rain unit.(7) “Acid Rain Program or Federal Acid Rain Program” – The national sulfur dioxide and nitrogen oxides air pollution control and emissions reduction program established pursuant to 42 U.S.C. sections 7651-7651o and 40 C.F.R. Parts 72, 73, 75, 76, 77, and 78, adopted and incorporated by reference in Rule 62-204.800, F.A.C.(8) “Acid Rain Source” – A Title V source with one or more Acid Rain units.(9) “Acid Rain Unit” – A fossil fuel-fired combustion device listed as subject to any Acid Rain emissions reduction requirement or Acid Rain emissions limitation at 40 C.F.R. 72.6 or 79.2, adopted and incorporated by reference in Rule 62-204.800, F.A.C.(10) “Acrylonitrile” – An organic chemical, formula C3H3N, used in the production of various resins, polymers and acrylic fibers. Synonyms for acrylonitrile are: 2-propenitrile, acrylon, acrylonitrile monomer, cyanoethylene, AN, VCN, and vinyl cyanide. The Chemical Abstract Service registration number is 107-13-1.(11) “Actual Emissions” – The actual rate of emission of a pollutant from an emissions unit as determined in accordance with the following provisions:(a) In general, actual emissions as of a particular date shall equal the average rate, in tons per year, at which the emissions unit actually emitted the pollutant during a consecutive 24-month period which precedes the particular date and which is representative of the normal operation of the emissions unit. The Department shall allow the use of a different time period upon a determination that it is more representative of the normal operation of the emissions unit. Actual emissions shall be calculated using the emissions unit’s actual operating hours, production rates and types of materials processed, stored, or combusted during the selected time period.(b) The Department may presume that unit-specific allowable emissions for an emissions unit are equivalent to the actual emissions of the emissions unit provided that such unit-specific allowable emissions limits are federally enforceable.(c) For any emissions unit that hasditions and restrictions for safeguarding the data.

**Signed:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ApplicantDate

**Approved:**\_\_\_\_\_\_\_\_\_\_

Applicant’s Bureau Chief Date

\_\_\_\_

Applicant’s Division Director Date

\_\_\_\_\_

Data Owner’s Security Administrator Date

\_\_\_\_\_

Data Owner’s Bureau ChiefDate

\_\_\_\_\_

Data Owner’s Division Director Date

**Data** \_\_\_\_\_

**Released:**Data Owner’s Dissemination AdministratorDate

*Note: Access authorization must be renewed annually.*

1. Identify Database(s) Requested:

2. Purpose of Project and Statutory Authority:

3. List subcontractor(s) who will receive access to confidential data and identify the contract manager.

4. Describe the subset of records requested (time periods, types of patients, diagnoses and etc.)

5. List confidential data elements\* requested and provide an explanation of why each element is necessary for the successful completion of the project or study.

6. Describe any linkage to other data files, sources of linked files, and identifying information contained in the linked files. Will any identifiable data obtained for this project be used as a basis for any actions which may affect individuals and/or establishments identified from the confidential data?

7. Describe the *least* aggregate data or research results that will be released internally and/or externally.

8. Indicate the anticipated project completion date and the duration of access requested.

9. Provide (print) name, title, and phone number of persons approving request on behalf of the applicant.

10. Applicant’s mailing address.

# \*Program must provide applicant with a list of confidential data elements

# LEADERSHIP DEVELOPMENT OPPORTUNITIES:

***Greg Kearney, DrPH, MPH, RS***

Attending the Environmental Public Health Leadership Institute (EPHLI) has played an important role in helping me to develop important leadership skills. The systems thinking assignment, readings and exercises have taught me to understand the dynamics of a problem, and how to resolve it, by breaking it down into more manageable parts. By applying the system thinking assignment to a “real world” project, I was able to clearly identify weaknesses and where to target my efforts towards obtaining successful results. By completing the Individual Development plan, I was able to work towards focusing on those areas that needed attention as identified in the Skillscope self assessment. By tracking my progress towards these objectives, I was able to reach several of my personal leadership development goals.

The resources provided by EPHLI, including quality speakers, reading material, mentoring, coaching, projects and assignments were all top notch. The face to face meetings throughout the various locations were filled with valuable information, and the group projects provided for great opportunities to learn leadership skills and have some fun in the process. More importantly, I was impressed with the dedication and commitment by the mentors, staff and others attending the EPHLI sessions. The networking opportunities provided for a great chance to meet with other professionals and discuss environmental health issues from all over the country.

I am very thankful to my mentor and EPLI for providing the time to share their knowledge, skills and learning experiences with me. I am proud to have been a part of the EPHLI class of 2008, and look forward to encouraging others to apply for this great opportunity to improve their environmental public health leadership skills.

# ABOUT THE EPHLI FELLOW(s)

Greg Kearney has 18 years of professional experience working in environmental health and epidemiology. Dr. Kearney currently works as an Environmental Epidemiologist for the Florida Department of Health (FDOH), Division of Environmental Health and adjunct professor at Florida Agricultural and Mechanical University (FAMU). Dr. Kearney serves as the Principal Investigator for the CDC Environmental Public Health Tracking Network (EPHTN) grant at FDOH, and is primarily responsible for overseeing the work involving the design and implementation of a state/national environmental epidemiology public health surveillance network system.

Dr. Kearney holds a Doctor of Public Health (Dr.P.H.) in Environmental Health Sciences, from the University of Alabama at Birmingham, a Masters of Public Health (M.P.H.) from the University of South Florida, and a Bachelor of Science (B.S.) in Urban and Regional Planning from East Carolina University. He received his Florida Registered Sanitarian (R.S.) certification in 1995, National RS certification in 1997. Dr. Kearney also serves as Chair for the National Environmental Health Association’s, Environmental Public Health Tracking and Informatics’ Technical Committee.

Dr Kearney enjoys collecting and reading books on environmental health and epidemiology and has a special interest in spatial analysis (using GIS). He lives in Tallahassee, Florida with his beautiful wife, Michelle, video-game expert son Patrick, and his two pugs, Bandit and Mojo. Whether working or playing, each day, he looks forward to living, learning, laughing, and never wasting a precious moment.

# REFERENCES

Osaki, C., Northwest Center for Public Health Practice, 10 Essential Environmental Health Services.

CDC National Strategy to Revitalize Environmental Public Health Services.

http://www.cdc.gov/nceh/ehs/Docs/nationalstrategy2003.pdf

3. CDC Health Protection Goals for the 21st Century http://www.cdc.gov/about/goals/default.htm

4.Healthy People 2010

http://www.cdc.gov/nchs/about/otheract/hpdata2010/abouthp.htm

5.Rowitz, L., Pubic Health Leadership: Putting Principles into Practice, (2003). Jones and Bartlett Publishing Co.

6.Environmental Health Competency Project: Recommendation for Core Competencies for Local Environmental Health Practitioners http://www.apha.org/programs/standards/healthcompproject/corenontechnicalcompetencies.htm