










# Kentucky Department for Public Health Student Internship Catalog Summer 2025

June 2 – August 31, 2025












# **DIVISION OF EPIDEMIOLOGY AND HEALTH PLANNING**

# DATA-DRIVEN INSIGHTS FOR OUTPATIENT ANTIBIOTIC STEWARDSHIP

-  **Division:** Epidemiology and Health Planning
-  **Branch:** Infectious Disease
-  **Supervisor:** Aravind Pillai, PhD, MPH, MBBS, Epidemiologist III
-  **Open to:** Masters, Doctorate
-  **Setting:** Hybrid
-  **Hours:** up to 20 hours per week
-  **Project Description:** The Division of Epidemiology and Health Planning seeks an intern to use Kentucky Medicaid prescription data to strengthen outpatient antibiotic stewardship efforts. Under the guidance of the supervisor, the intern will manage, analyze and interpret large datasets, linking outpatient prescription data with medical claims to identify key prescribing patterns and trends. The goal is to generate insights that inform targeted interventions, optimize antibiotic use and promote equitable healthcare practices across Kentucky.
-  **Project Deliverables – the intern will:**
  - Manage and organize Kentucky Medicaid outpatient prescription data, linking it with medical claim data for analysis.
  - Analyze prescription data to identify trends and patterns in antibiotic prescribing practices.
  - Develop reports that summarize findings and provide actionable insights for targeted interventions.
-  **Application Link:** [Click Here to Apply](#)

# MODERNIZING HEALTH DATA THROUGH DATA VISUALIZATIONS










-  **Division:** Epidemiology and Health Planning
-  **Branch:** Immunizations
-  **Supervisor:** Rhiannon Simon, MPH, Epidemiologist II
-  **Open to:** Masters
-  **Setting:** Virtual
-  **Hours:** up to 20 hours per week
-  **Project Description:** The Division of Epidemiology and Health Planning seeks an intern to assist in the data modernization efforts for Kentucky Environmental Public Health Tracking through experience with Tableau, ArcGIS and other data analysis platforms. Students will be engaged in onboarding various data sets to the Kentucky Tracking data portal by building Tableau visualizations. Students will also assist the team in building ArcGIS StoryMaps to meet current standards for ESRI products.
-  **Project Deliverables – the intern will:**
  - Assist with data cleaning and preparation for visualization.
  - Communicate professionally with external partners on data maintenance standards.
  - Gain experience with data governance practices surrounding various projects for data sharing.
  - Build data visualizations in multiple platforms.
-  **Application Link:** [Click Here to Apply](#)

# VITAL STATISTICS DASHBOARD

- 🛡️ **Division:** Epidemiology and Health Planning
- 🛡️ **Branch:** Vital Statistics
- 🛡️ **Supervisor:** Courtney Walker, PhD, Population Health Data Unit Manager
- 🛡️ **Open to:** Bachelors, Masters
- 🛡️ **Setting:** Virtual, Hybrid
- 🛡️ **Hours:** up to 20 hours per week
- 🛡️ **Project Description:** The Division of Epidemiology and Health Planning seeks an intern to develop a user-friendly dashboard for visualizing and analyzing vital statistics data. This system will aggregate key or interesting metrics such as birth rates, death rates, life expectancy, causes of death and population growth, providing a clear overview of demographic trends in Kentucky.
- 🛡️ **Project Deliverables – the intern will:**
  - Help design the vital statistics external facing dashboards by investigating and identifying key features in other Vital Statistics offices.
  - Create a simple, user-friendly dashboard that visually presents key vital statistics, such as birth and death rates, using basic graphs or charts.
  - Implement basic filtering capabilities, allowing users to view data based on specific time periods (e.g., yearly or monthly) or geographic regions.
- 🛡️ **Application Link:** [Click Here to Apply](#)

# **DIVISION OF LABORATORY SERVICES**










# INTRODUCTION TO NEWBORN SCREENING TESTING

-  **Division:** Laboratory Services
-  **Branch:** Molecular and Clinical Chemistry (Newborn Screening Branch)
-  **Supervisor:** Darrin Sevier, Public Health Laboratory Scientist Supervisor
-  **Open to:** Associates, Bachelors, Masters, Doctorate
-  **Setting:** In-Person
-  **Hours:** up to 20 hours per week
-  **Project Description:** The Molecular and Clinical Chemistry Branch seeks an intern to provide full, hands-on testing in the Newborn Screening Branch of the Division of Laboratory Services. The Molecular and Biomedical Engineering Section performs tandem mass spectrometry analysis, real-time polymerase chain reaction analysis and DNA mutation analysis for the Kentucky Newborn Screening Program. The intern will learn to perform testing for inborn errors of metabolism, in which state-of-the-art technology is used to detect genetic disorders in newborns. No previous testing experience required; full training is provided.
-  **Project Deliverables – The intern will:**
  - Receive, assess quality, accession and punch newborn screen dried blood spot specimens.
  - Prepare specimens and instrumentation for testing, run quality control and calibrations and perform routine daily, weekly and monthly maintenance. The intern will also troubleshoot and request service.
  - Perform testing for endocrine, metabolic, Cystic Fibrosis mutation analysis, etc. Complete validations, comparisons and linearity studies.
-  **Application Link:** [Click Here to Apply](#)










# **DIVISION OF PREVENTION AND QUALITY IMPROVEMENT**



# COMMUNITY HEALTH WORKER DATA ANALYSIS FOR KENTUCKY










-  **Division:** Prevention and Quality Improvement
-  **Branch:** Chronic Disease Prevention
-  **Supervisor:** Laura Eirich, MPH, Community Health Worker Administrator
-  **Open to:** Bachelors, Masters
-  **Setting:** Virtual, Hybrid
-  **Hours:** up to 20 hours per week
-  **Project Description:** The Chronic Disease Prevention Branch seeks an intern to review and analyze data to help create a report about the growth of the Community Health Worker profession. The intern will review, clean and compile data as well as make visual representations such as graphs, charts and maps. The intern will work with REDCap and Excel and should be able to identify data trends and translate into recommendations for action.
-  **Project Deliverables - the intern will:**
  - Review existing data from surveys, grant work and CHW Certification
  - Synthesize data and identify trends, outliers and key points/recommendations
  - Create visualizations of pertinent data in the form of graphs, charts and maps.
-  **Application Link:** [Click Here to Apply](#)

# KENTUCKY PRESCRIPTION ASSISTANCE PROGRAM (KPAP) COMMUNICATIONS SPECIALIST

-  **Division:** Prevention and Quality Improvement
-  **Branch:** Health Care Access Branch
-  **Supervisor:** Jennifer Toribio Naas, MSW, CSW, CCHW, Health Program Administrator
-  **Open to:** Associates, Bachelors
-  **Setting:** Virtual
-  **Hours:** up to 20 hours per week
-  **Project Description:** The Health Care Access Branch seeks an intern to promote the Kentucky Prescription Assistance Program (KPAP) services. The intern will use Canva to help create social media posts and data presentations that will enhance the public's awareness and understanding of KPAP.
-  **Project Deliverables – the intern will:**
  - Utilize Canva to create social media posts to promote awareness of the KPAP Program.
  - Assist in auditing the Health Care Access Branch's eight web pages for accuracy and accessibility on a monthly basis.
  - Coordinate with KPAP Staff to work on outreach across Kentucky; help spread awareness of the program via phone calls, emails and by attending outreach events.
-  **Application Link:** [Click Here to Apply](#)

# **DIVISION OF PUBLIC HEALTH PROTECTION AND SAFETY**

# ACCESS & FUNCTIONAL NEEDS RESOURCE LIBRARY

-  **Division:** Public Health Protection and Safety
-  **Branch:** Emergency Preparedness and Response
-  **Supervisor:** Maria Church, ADAC, Access & Functional Needs Program Coordinator
-  **Open to:** Bachelors, Masters
-  **Setting:** In-Person, Hybrid
-  **Hours:** up to 20 hours per week
-  **Project Description:** The Emergency Preparedness and Response Branch seeks an intern to assist with federal grant deliverables. Local health departments develop and annually maintain a resource library of their jurisdictional partners. These databases are used during response activities to meet the needs of the whole community following a public health emergency or declared disaster. The intern will communicate with local health department preparedness coordinators and public health staff.
-  **Project Deliverables – the intern will:**
  - Communicate project updates/changes to local health departments.
  - Create and update procedures for LHD and public health field staff.
  - Create and distribute reports for LHD and public health field staff.
-  **Application Link:** [Click Here to Apply](#)

# BLUEGRASS HEALTHCARE COALITION EMERGENCY MANAGEMENT

- 🛡️ **Division:** Public Health Protection and Safety
- 🛡️ **Branch:** Emergency Preparedness and Response Branch
- 🛡️ **Supervisor:** Dave Carney, Readiness and Response Coordinator (RRC)
- 🛡️ **Open to:** Bachelors, Masters
- 🛡️ **Setting:** Virtual, Hybrid
- 🛡️ **Hours:** up to 20 hours per week
- 🛡️ **Project Description:** The Emergency Preparedness and Response Branch seeks an intern to increase public awareness for the Bluegrass Healthcare Coalition. The intern will be connected with Coalition Executive team members to gain an understanding of Healthcare Emergency Management. There is potential to work with partners in hospitals, Emergency Medical Services (EMS), Emergency Management and Public Health.
- 🛡️ **Project Deliverables – the intern will:**
  - Help to create content on Facebook, websites and the coalition app to broaden awareness of Healthcare Emergency Management.
  - Provide assistance in setting up meeting space, communications and clerical help.
  - Move equipment and help with exercise setup. No special knowledge is required for this type of support other than providing directed assistance as instructed.
- 🛡️ **Application Link:** [Click Here to Apply](#)

# HEALTHCARE COALITION SUSTAINABILITY PROJECT

- 🛡️ **Division:** Public Health Protection and Safety
- 🛡️ **Branch:** Emergency Preparedness and Response Branch
- 🛡️ **Supervisor:** Vickie Siedel, MLT (ASCP)<sup>CM</sup>, Readiness and Response Coordinator
- 🛡️ **Open to:** Associates, Bachelors, Masters
- 🛡️ **Setting:** In-Person, Virtual, Hybrid
- 🛡️ **Hours:** up to 20 hours per week
- 🛡️ **Project Description:** The Emergency Preparedness and Response Branch seeks an intern for coalition marketing and outreach. The intern will experience valuable opportunities for networking with local response agencies. The intern will gain experience in the process of developing a non-profit organization and will participate in the financial decision-making and emergency preparedness processes.
- 🛡️ **Project Deliverables – The intern will:**
  - Create and execute marketing campaigns to raise awareness about coalition initiatives and engage new partners.
  - Conduct a comprehensive review of existing coalition plans to evaluate their effectiveness.
  - Organize networking events, workshops or forums that connect local emergency response agencies with coalition members.
- 🛡️ **Application Link:** [Click Here to Apply](#)

# HEMP-DERIVED CANNABINOID BUSINESS RESEARCH AND EDUCATION

-  **Division:** Public Health Protection and Safety
-  **Branch:** Drug and Supplement
-  **Supervisor:** Alex DeMunbrun, MPH, Retail Inspector Supervisor
-  **Open to:** Bachelors, Masters
-  **Setting:** Virtual, Hybrid
-  **Hours:** up to 20 hours per week
-  **Project Description:** The Drug and Supplement Branch seeks an intern to use existing data to identify new and unregistered hemp cannabinoid businesses operating within Kentucky and online. The intern will connect with unregistered businesses, providing them with guidance and resources on the new hemp regulatory requirements in Kentucky. The student may also participate in fieldwork alongside inspectors.
-  **Project Deliverables – the intern will:**
  - Use RedCap to analyze registered establishments and assist in registering new establishments.
  - Compile data from unregistered businesses, leading to an increase in registered businesses.
  - Educate unregistered businesses on new regulations and report out on their progress.
-  **Application Link:** [Click Here to Apply](#)



# Thank You

**Amy Winger, MS**

**Student Internship Program Administrator**

**[amy.winger@ky.gov](mailto:amy.winger@ky.gov)**

**(270) 418-7675**



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