### Project Description

This project has 2 main components:

1. Investigation of animal bites reported to ACHD to ensure proper follow up and care
2. Cleaning and analysis of 2020 animal bite data

The work will involve following the protocol for animal bite follow-up, making telephone calls, cleaning and analyzing data, and preparing tables and graphs. The intern will be stationed part time with the Immunization Program and part time with the Epidemiology group.

### Primary Activities and Deliverables

1. Investigate animal bites reported to ACHD. Information is gathered primarily via telephone calls with bite victims, pet owners, and health care providers
2. Ensure that adequate care and prophylaxis are provided, if indicated
3. Work with animal control agencies and other community partners to ensure that testing or quarantine of animals is done in a timely manner
4. Clean the animal bite database (remove duplicates, look for irregularities)
5. Analyze data
6. Prepare tables and graphs for main variables of interest
7. Prepare a report of animal bites in Allegheny County in 2020

*Deliverables (2) for MPH practicum requirement to be agreed upon by ACHD supervisor and student advisor/ program director.*

### Specific Qualifications

1. An interest in learning about rabies and its impact on public health.
2. Good oral communication skills and comfort talking to the public via telephone.
3. Good data management and analytic skills. Experience using SAS.
2021 Pittsburgh Summer Institute in Applied Public Health Practice
Animal Bite Surveillance

<table>
<thead>
<tr>
<th>Bureau</th>
<th>COMMUNITY HEALTH PROMOTION AND DISEASE PREVENTION</th>
<th>Department</th>
<th>ID-Immunizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practicum Location</td>
<td>DOWNTOWN (425 1ST AVE)</td>
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**Two students are needed to fill this project.**

**Project Summary**

This is a surveillance project within the Immunization Program focused on surveillance and follow-up of reported animal bites in Allegheny County. All animal bites are exposures and investigated and recommendations are made for follow-up care and/or prophylaxis for rabies if needed. ACHD also provides testing for animals involved in human exposures to determine whether prophylaxis is needed. The student will have the opportunity to develop important communication and data management skills, as well as interact with a variety of community partners and other governmental agencies, such as ACHD’s laboratory, hospitals, health care providers, and animal control. Rabies is almost always fatal—you will play a very important role in prevention!


**Primary Activities and Deliverables**

- Follow up on reported animal bites (primarily conducted via telephone with clients)
- Help oversee follow-up care and prophylaxis, if needed
- Work with Animal Control and other community partners to ensure that testing is done in a timely and efficient manner
- Help with any community outreach related to rabies prevention
- Other duties, as necessary

The student will be expected to conduct timely follow-up calls for reported animal bites and oversee any follow-up treatment that may be necessary based on the information obtained from the report and interview with the client. This will be documented and added into a database, which the student can assist in the analysis. The student can also get involved in activities in the immunization clinic, if desired.

*Deliverables (2) for MPH practicum requirement to be agreed upon by ACHD supervisor and student advisor/program director.*

**Specific Qualifications**

- An interest in learning about rabies and its impact on public health.
- Good oral communication skills and comfort talking to the public via telephone.
The mission of the Allegheny County Child Death Review Team (CDR) is to promote the well-being of children and reduce the number of preventable child fatalities within Allegheny County. This is accomplished by conducting in-depth case reviews of deceased Allegheny County residents aged 0-21 years. The review team is multi-disciplinary and is comprised of representatives from multiple county agencies. This practicum will involve matching CDR case lists with vital statistics, analyzing vital statistics data using ICD codes, analyzing review data from the National CDR Case Reporting System, and developing charts and graphs that may be used by the CDR team to inform the state CDR team, elected officials, prevention partners, and the public.

**Primary Activities and Deliverables**

**Duties:**
1. Analyze birth and death certificate data
2. Match CDR case list to death certificate data
3. Analyze case review data in the National CDR Case Reporting System

**Deliverables:**
Charts and graphs for the following cause and manners of death:
- Homicide
- Suicide
- Overdose
- Motor Vehicle related
- Infant sleep related

*Deliverables (2) for MPH practicum requirement to be agreed upon by ACHD supervisor and student advisor/program director.*

**Specific Qualifications**
- Experience and comfort working with statistical software such as SAS.
- Experience and comfort working with Microsoft Excel.
- Interest in data analysis and injury prevention.
2021 Pittsburgh Summer Institute in Applied Public Health Practice
COVID-19 Immunization Vaccination Planning

<table>
<thead>
<tr>
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<th>Department</th>
<th>IMMUNIZATION</th>
</tr>
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Practicum Location DOWNTOWN (425 FIRST AVE) AND VARIOUS COVID19 VACCINATION LOCATIONS

Project Summary

ACHD has started administering COVID19 vaccination. This ongoing project faces many challenges in reaching underserved communities who have been most impacted by the COVID19 pandemic. Many factors contribute to health inequities—lack of computer access, transportation, and mistrust/lack of education regarding vaccines to name just a few. This is a long-term project (9-12 months at minimum) to vaccinate all residents of Allegheny County who wish to be vaccinated.

Planning may be done at the 425 First Ave office (no patient contact area) following all COVID19 PPE guidelines. At PODs will have limited close contact exposure—site follows all COVID19 PPE guidelines.

Primary Activities and Deliverables

- Work with the team to help identify and plan COVID19 vaccination PODs (Point of Dispensation) in the most underserved areas
- Work with the team to identify community leaders/religious leaders to help promote vaccination in the community
- Work with the team to identify barriers to vaccination and create plan of action to decrease barriers
- Provide education/education materials to community partners
- Assist at the POD’s – patient flow, vaccine and supply management
- Other duties, as necessary

*Deliverables (2) for MPH practicum requirement to be agreed upon by ACHD supervisor and student advisor/program director.*

Specific Qualifications

- Will need transportation to get to clinic for planning days and to go to PODs
- Will be offered COVID19 vaccination if working at PODs
### Project Summary

This practicum opportunity is with ACHD’s Mosquito-borne Disease Control Program. The majority of the experience will be spent in the field trapping adult mosquitoes in Allegheny County to be tested for arboviruses such as West Nile virus. For more information about mosquito surveillance in Allegheny County and Pennsylvania, visit [www.depgis.state.pa.us/WNV/index.html](http://www.depgis.state.pa.us/WNV/index.html).

The intern must be available to work from May 10 – October 1, 2021 on Monday through Thursday for approximately 20-25 hours per week. There is a requirement for the intern to work until October 1st therefore flexibility will be given around class schedule once the Fall Semester begins. A personal vehicle for field work and a valid driver’s license are a requirement (no exceptions). The Pittsburgh Summer Institute is sponsoring 300 hours for this practicum. After the initial 300 hours worked, the intern will be paid $9.50/hour up to an additional 200 hours.

### Primary Activities and Deliverables

#### PRIMARY ACTIVITIES:
- Mosquito surveillance (using gravid & BG Sentinel traps to collect adults; larval dipping)
- Sorting and preparing mosquitoes to be shipped for laboratory testing
- Database entry of surveillance results
- Maintaining the equipment used for surveillance

#### POTENTIAL SECONDARY ACTIVITIES:
- Public interaction & education (e.g. door-to-door neighborhood outreach, responding to mosquito complaint calls, identifying mosquito breeding habitat, neighborhood clean-up activities, etc.)
- Revising/creating vector control pamphlets & educational material
- Any other mosquito study that the intern would like to use for graduate thesis/essay material

The intern will learn trapping locations from the preceptor for the first few weeks, and then trap on their own for the remainder of the summer. The intern will assist the preceptor in meeting a weekly trap minimum as set in the 2021 Mosquito-borne Disease Control Grant provided by the PA Department of Environmental Protection to ACHD.

**Deliverables (2) for MPH practicum requirement to be agreed upon by ACHD supervisor and student advisor/ program director.**

### Specific Qualifications

A valid driver’s license and personal vehicle are mandatory to transport mosquito traps to and from the field. Mileage will be reimbursed at the Pennsylvania Mileage Reimbursement Rate (currently $0.56/mile) for the entirety of the internship. The intern must be able to lift 50 pounds and be willing to haul traps in their personal vehicle that may get dirty and have an odor from the bait used to lure mosquitoes. The majority of time will be spent in the field therefore the intern must be physically able to conduct such work for the duration of the summer. A personal GPS device would be helpful when driving around to locate trap sites. When interacting with the public, the intern must be able to represent the Vector Control Program with professionalism and provide information about the roles and responsibilities of the program.