Practicum Title: Safe Routes to Schools and Parks

Practicum Time Frame: SUMMER 2020

Division/Office: Nutrition & Chronic Disease Prevention/ Built Environment Unit

Practicum Location: Main Office 2223 West Loop South, Houston, TX 77027

Number of Hours (per week): 10 – 15

Required Skills & Minimum Education:
- Strong organizational skills and attention to details
- Ability to work well in a variety of settings, including outdoors
- Intermediate Microsoft Skills: Word, Excel, PowerPoint, Publisher, Outlook
- Strong interpersonal and communication skills
- Experience presenting to small and large groups or willingness to learn presentation skills
- Bachelor’s or MPH candidate for public health, health promotion, or another health-related field
- Self-motivated with flexible hours
- Available to work weekends, evenings, and holidays
- Ability to work independently and on a team
- Spanish speaking preferred but not required

Practicum Description: This position will work with the Built Environment Unit and NCDP at HCPH in support of the Be Well Baytown initiative. Specifically, the intern will be working on the Safe Routes to Schools and Parks project and will utilize evidence-based direct observation tools, data analysis, and community engagement that will enhance our understanding of barriers to walking and biking to schools and parks and their potential to promote further physical activity in the Baytown community.

Practicum Goals & Learning Objectives: The project aims to further analyze data already collected, collect further data (both qualitative and quantitative), and begin to tell the story of how Baytown currently travels to and from schools and parks, and put forth recommendations to deliver easier access to both.

Practicum Deliverables:
- Create presentation and present findings to stakeholders in HCPH, MD Anderson, and City of Baytown Parks and Recreation
  - Include contextual findings that may be impacting park usage (i.e., accessibility, usability, equipment supervision, organized activities, etc.)
- Provide recommendations for increased park activation and analyze barriers for utility of parks (if necessary)
Practicum Title: WIC Dietetic Community Internship

Practicum Time Frame: Spring, Summer, or Fall 2020

Division/Office: Nutrition & Chronic Disease Prevention – WIC Clinics

Practicum Location: Various Harris County WIC Clinics (11 Locations)

Number of Hours (per week): 30 – 40 hours

Required Skills & Minimum Education:
Required knowledge of basic nutrition concepts through the lifecycle. Dietetic Interns should have good written and verbal communication skills. Dietetic Interns should have the ability manage time to organize and complete tasks. Dietetic Interns are trusted to remain professional while representing HCPH WIC and to provide good customer service.

Dietetic Intern applicants must complete at least a bachelor's degree and ACEND-accredited coursework requirements (Didactic Program in Dietetics). Applicants applying to local or distance accredited dietetic internship programs are open to apply prior to acceptance into the program. Placement at HCPH WIC is contingent on acceptance in to an accredited dietetic internship program.

Practicum Description:
The WIC Program is a nationally recognized health education program for women, infants, and children. HCPH WIC Program* is training Dietetic Interns and providing an enriching space to complete a community nutrition rotation. Dietetic Interns will receive an orientation to the WIC program, an opportunity to shadow Registered Dietitians, Nutritionists, and Lactation Consultants. A WIC Dietetic Intern will gain a deeper understanding of the WIC program in all aspects from program funding, food benefits, outreach, referrals, and nutrition and breastfeeding education. *HCPH WIC Program has 11 locations across Harris County. Dietetic Interns will NOT be assigned to a specific WIC Clinic location; therefore, all interns must have reliable transportation to travel to ALL WIC Clinic locations throughout the practicum duration. See next page for HCPH WIC Clinic locations.

Practicum Goals & Learning Objectives (What is the project aiming to accomplish?):
1. The dietetic intern will strengthen skills in working in collaborative environments while establishing themselves as an effective dietetic professional
2. Gain an understanding of the WIC Program from the local agency level
3. While supervised, provide a platform to begin hands on nutrition education to WIC program participants
4. Increase awareness of outreach and referrals to a priority population
PRACTICUM DESCRIPTION FORM

Practicum Deliverables:
1. Provide summary of experience as a WIC dietetic intern and provide recommendations for future dietetic intern projects.
2. Complete agreed upon project specific to requirements of DI program under the direction of the WIC preceptor
3. Conduct nutrition counseling sessions based on VENA method of counseling and motivational interviewing
4. Determine one new avenue of local outreach or referral program for WIC

Harris County Public Health WIC Clinic Locations:

Antoine WIC Center
5815 Antoine Drive
Houston, Texas 77091

Decker Drive WIC Center
4128 Decker Drive
Baytown, Texas 77520

Fallbrook WIC Center
14901 SH 249 Tomball Parkway,
Suite 107
Houston, Texas 77086

Cypress Station WIC Center
221 FM 1960 West, Suite A
Houston, Texas 77090

Scarsdale WIC Center
10851 Scarsdale Boulevard,
Suite 116
Houston, Texas 77089

Bear Creek WIC
16233 Clay Road, Suite 318
Houston TX 77084

Emerald Plaza WIC Center
11509 Veterans Memorial Drive,
Suite 400
Houston, Texas 77067

Humble WIC Center
8950 Will Clayton Parkway,
Suite A
Humble, Texas 77338

Shaver WIC Center
152 Fairmont Parkway
Pasadena, Texas 77504

Tomball WIC Center
701 East Main Street,
Suite #145b
Tomball, Texas 77375
Closed on Mon & Wed

Southeast WIC Center
3737 Red Bluff Road
Pasadena, Texas 77503
**Practicum Title:** Chronic Disease Programs Intern

**Practicum Time Frame:** Summer 2020

**Division/Office:** Nutrition and Chronic Disease Prevention: Healthy Aging, Texas Healthy Communities and Asthma Program.

**Practicum Location:** 7457 Harwin Drive, Houston, TX  77036

**Number of Hours (per week):** 10 – 15 hours

**Required Skills & Minimum Education:**
- Bachelor’s or MPH candidate with a major in healthcare administration, Sciences, Public Health.
- Have experience in marketing, design, communications, OR a related field.
- Minimum GPA of 3.0
- Analytical, Creative, Multi-tasking
- Intermediate Microsoft Skills: Word, PowerPoint, Excel
- Coordinate and participate with community engagement outreach events

**Practicum Description:** Intern will be working with staff from the chronic disease programs in NCDP, specifically the Healthy Aging, Asthma Program, and Texas Healthy Communities. As an intern, he or she will be helping these programs develop their media campaign by creating flyers, brochures and assisting with their various social media platforms to increase awareness of these programs and efforts in the community. Additionally, the intern will be assisting in executing programmatic programs and events for each program. The intern will also be responsible in assisting mobile market events, writing reports and helping with related events or tasks from each of the programs.

**Practicum Goals & Learning Objectives**

Upon completion of this practicum, student will be able to:
- Design and develop marketing materials for the Asthma program, Healthy Aging and Texas Healthy Communities program.
- Gain real world experience marketing public health programs.
- Gain experience in community projects.

**Practicum Deliverables:**
- Marketing flyer and brochures for each program
- Develop a social media campaign for Healthy Aging and Asthma program
- Intern will help coordinate at least (1) Mobile Market event and will participate in submitting at least (1) reporting per the funding guidelines.
**Practicum Title:** Chronic Disease One Breath at A Time Projects Intern

**Practicum Time Frame:** Summer 2020

**Division/Office:** Nutrition and Chronic Disease Prevention: Asthma Program

**Practicum Location:** 7457 Harwin Drive  Suite 149 Houston, TX  77036

**Number of Hours (per week):** 15 – 20

**Required Skills & Minimum Education:**
- Bachelor’s or MPH candidate with a major in healthcare administration, Sciences, Public Health.
- Have experience in marketing, design, communications, OR a related field.
- Minimum GPA of 3.0
- Analytical, Creative, Multi-tasking
- Planning and organizational skills
- Public Speaking skills
- Intermediate Microsoft Skills: Word, PowerPoint, Excel
- Coordinate and participate with community engagement outreach events

**Practicum Description:**
Intern will be working with staff from the chronic disease programs in NCDP, specifically the Asthma Program. As an intern, he or she will be helping with organizing, planning and executing program projects in the community. The intern will also be responsible in assisting nutrition and chronic disease division wide events such as Mobile Market Events/Villages, Healthy Living matters and Student Health Leadership Group meetings. In addition to programmatic tasks, interns will be helping with writing reports and helping develop the program social media platform and awareness in the community.

**Practicum Goals & Learning Objectives** *(What is the project aiming to accomplish?)*:
Upon completion of this practicum, student will be able to:
- Gain real world experience in marketing and advertising public health programs.
- Gain experience in planning, organizing and executing community projects.
- Gain skills and knowledge about Chronic Disease outreach efforts.
- Assist in designing and developing marketing materials for the Asthma program for community outreach events and engagements.
**Practicum Deliverables:**

- Increase social media awareness and platform visibility for the program.
- Intern will help coordinate at least (1) Mobile Market event and will participate in submitting at least (1) reporting per the funding guidelines.
- Intern will be assisting in executing program summer programs.
- Intern will be writing a project summary report that will be given to program stakeholders and partners.
**Practicum Title:** Pasadena Health Literacy Plan Development for Obesity Prevention

**Practicum Time Frame:** May – August 2020

**Division/Office:** Nutrition & Chronic Disease Prevention (NCDP)

**Practicum Location:**
NCDP Office
7457 Harwin Drive  Houston, TX 77036

**Number of Hours** (per week): 20

**Required Skills & Minimum Education:**
- Bachelor’s degree in public health, health education, or health communications
- Proficient in use of social media
- Excellent verbal and written communication skills
- Graphic design experience
- Fluent in Spanish a plus

**Practicum Description:** Healthy Living Matters (HLM) is a childhood obesity prevention collaborative focused on policy and systems-level change. Pasadena is a priority community of HLM, with an active Community Task Force (CTF) that has been meeting monthly since 2014. The HLM-Pasadena CTF has prioritized “Community Health Literacy” as a key strategy for Pasadena. This position will be responsible for developing a Community Health Literacy plan for obesity prevention in Pasadena, TX.

**Practicum Goals:** The goal of this project is to develop a plan that can be implemented by staff and future interns. This plan will inform our communications and outreach efforts, in hopes to better reach the community and motivate change.

**Learning Objectives:** Throughout this practicum, the intern will:
- Research community demographics and identify target populations for messaging
- Research existing resources and materials and identify best ways to share them with the community
- Participate in outreach opportunities to learn best practices for community engagement in Pasadena, TX
- Engage community members and stakeholders to identify what would motivate them to make healthy changes
- Develop or identify health information materials that can be shared with the community
- Develop a Community Health Literacy plan for obesity prevention in Pasadena, TX
Practicum Deliverables: This intern will be responsible for developing a Community Health Literacy plan, inclusive of, but not limited to:

- Suggestions for a campaign on healthy eating for families, including costs, and specifications for vendors;
- List of community education programs on how to cook healthy, including description, cost, and key contacts;
- List of community fitness programs, including description, cost, and key contacts;
- List of public programs that teach community and backyard gardening, including description, cost, and key contacts;
- Strategies for community outreach and communications, including social media plan;
- Suggested evaluation metrics for tracking elements of the health literacy campaign; and
- Strategies for promoting the IT’S TIME TEXAS Community Health Challenge.
**Practicum Title:** Obesity Reduction Team

**Practicum Time Frame:** Spring, Summer, Fall 2020

**Division/Office:** Office of Financial & Support Services, DSRIP – Health Impact Team

**Practicum Location:**
DSRIP Office - 7457 Harwin Drive, Houston, TX 77036, and various Harris County Community outreach locations

**Number of Hours (per week):** 40 hours

**Required Skills & Minimum Education:**
- Experience engaging within the community
- Experience working with school aged, young adult, adults, and seniors populations
- Experience presenting /teaching to small and large groups
- Currently completing an undergraduate or graduate degree in public health, health promotion, or other health related degree plan. **Registered Dietitian strongly preferable**
- Must be self-motivated and flexible with hours
- Must work well independently and able to receive feedback
- Must have strong organizational and creative skills
- Must have proficient knowledge of Microsoft
- Bilingual is preferred

**Practicum Description:**

**Obesity Reduction (Nutrition & Physical Activity)**
The Obesity Reduction team’s mission is to provide effective and engaging nutrition education and physical activity services to underserved communities in Harris County.

In this role, the intern will work to enhance the nutrition and physical activity components of the Obesity Reduction team. Particular attention will be paid to physical activity and improving the current team model in addition to developing and implementing survey tools for program improvement.
**Practicum Goals & Learning Objectives** *(What is the project aiming to accomplish?)*:

**Obesity Reduction (Nutrition & Physical Activity)**

- Assess average time spent on moderate to vigorous physical activity within classes.
- Improve current physical activity lesson to ensure students are getting moderate to vigorous physical activity during class.
- Improve quality of program (both nutrition and physical activity) by designing survey tools for student focus groups.
- Learn how to effectively facilitate a nutrition/physical activity education class to variety of group sizes.

**Practicum Deliverables:**

**Obesity Reduction (Nutrition & Physical Activity)**

- Evidenced Table of effective methods of school based nutrition education & physical activity education – particularly provided by community partner.
- Initiate, plan, and execute a school based Obesity Reduction event.
- Create lesson plan that integrates moderate to vigorous physical activity (MVPA) where appropriate.
- Create evaluation focus group tools, conduct student focus groups, and analyze data from survey results.
**Practicum Title:** Tobacco Cessation and Youth Vaping Prevention Programs (2 - 3 Interns)

**Practicum Time Frame:** Spring, Summer, Fall 2020

**Division/Office:** Operations & Financial Support Services, DSRIP/Health Impact Team

**Practicum Location:** DSRIP/Health Impact Team Office - 7457 Harwin Drive, Houston, TX 77036, and various Harris County Community outreach locations

**Number of Hours** *(per week):* 32 – 40 hours

**Required Skills & Minimum Education:**
- Must have strong organizational and creative skills
- Must have proficient knowledge of Microsoft
- Experience engaging within the community
- Experience working with school aged and young adult populations
- Experience presenting to small and large groups
- Currently completing an undergraduate or graduate degree in public health, health promotion, or other health related degree plan
- Must be self-motivated and flexible with hours

**Practicum Description:**
The Tobacco Cessation team’s mission is to provide effective and engaging tobacco cessation and vaping prevention services to underserved communities in Harris County.

In this role, the intern will work to enhance and provide tobacco cessation education to adults and vaping prevention education to adolescents who are low-income, uninsured, and/or Medicaid recipients. Attention will be paid towards the 12-17 year old age group, improving and further implementing the current team model on our delivery of the Youth Vaping Prevention Program. Focus will also be on the 18-24 year old age group to improve the cessation services provided to Tobacco Company’s most targeted age-group.

**Practicum Goals & Learning Objectives** *(What is the project aiming to accomplish?):*
- Identify health hazards of tobacco products, including e-cigarettes and vapes, and evidence-based quit methods
- Learn how to effectively facilitate a tobacco cessation/vaping prevention education class to variety of group sizes
- Improve current tobacco cessation/vaping prevention education model by identifying best practices for delivery of information to target populations
- Improve quality of the Youth Vaping Prevention Program by designing survey tools for student focus groups
**Practicum Deliverables:**

- Initiate, plan, and execute a Tobacco Cessation presentation targeting young adults ages 18-24 years old
- Initiate, plan, and execute a Youth Vaping Prevention Program presentation targeting adolescents ages 12-17 years old
- Create a lesson plan that captures both tobacco cessation and vaping prevention education material for both current smokers and non-smokers
- Collect data on identified smokers and analyze from program participant intake forms
- Create evaluation focus group tools, conduct student focus groups, and analyze data from survey results
**Practicum Title:** Expanded Mobile Health Team (2 – 3 Interns)

**Practicum Time Frame:** Spring, Summer, Fall 2020

**Division/Office:** Office of Financial & Support Services, DSRIP - Health Impact Team

**Practicum Location:**
7457 Harwin Drive  or 2223 West Loop South, and outreach event locations as needed

**Number of Hours** *(per week)*: 40 hours

**Required Skills & Minimum Education:**
- Must have strong organizational skills
- Must be able to follow written instructions
- Must be able to work well in high-pressure and fast-paced settings
- Must have proficient knowledge of Microsoft and Outlook
- Must have strong interpersonal and customer service skills
- Must have experience presenting to small and large groups or willingness to learn presentation skills
- Must currently be completing an undergraduate or graduate degree in public health, health promotion, or other health-related field
- Must be self-motivated with flexible hours
- Must be available to work weekends, evenings, and holidays
- Must be able to work independently and on a team
- Required to check email prior to each shift
- Spanish speaking preferred but not required

**Practicum Description:** The Expanded Mobile Health Team (EMH) is part of the Health Impact Team at Harris County Public Health. EMH provides vaccines, glucose screenings, cholesterol screenings, and blood pressure screenings to adults and children free of charge to the patient in a mobile setting.
Practicum Goals & Learning Objectives (What is the project aiming to accomplish?):
The intern will learn the following:

- The process for providing healthcare services in a community setting
- How to provide public health outreach
- How to use patient medical records systems
- Eligibility criteria for VFC and ASN programs
- How to screen for program eligibility at events
- How to manage the front desk at outreach events
- How to assist clinicians during outreach events including taking height/weight/BMI, screening blood pressure, and providing education on nutrition, tobacco cessation, and immunizations.
- How to create educational program materials for public health
- Will be given the opportunity to shadow and work with other teams as desired

Practicum Deliverables:

- Poster presentation on health-related topic of choice
  - Poster presentation at HCPH main office
  - Visual and verbal presentation to EMH team members and lead at HIT office
  - Written assignment submitted to team lead
- End-of-tern presentation to EMH team members, EMH team lead, HIT manager, and additional HCPH employees and interns.
- Special projects as assigned by the EMH team lead. Past projects include: Event advertisements, event repository spreadsheets, educational handouts, translations, etc.
Practicum Title: Improving the Overall Oral Health Amongst School-aged Children
(2 - 3 Interns)

Practicum Time Frame: Spring, Summer, Fall 2020

Division: Operations & Finance

Practicum Location:
- DSRIP Office – 7457 Harwin Drive, Houston, TX 77036
- Community Outreach Locations (throughout Harris County)

Number of Hours (per week): 40 hours Preferred

Required Skills & Minimum Education:
- Ability to communicate effectively with the targeted population
- Ability to make routine decisions and to function on own initiative when necessary
- Efficient in planning, organizing and completing work on time
- Dependable and punctual; ability to follow instructions
- Experience working with school aged youth
- Comfortable presenting to both small and large group setting
- Currently completing or have completed a degree (bachelor or masters) in public health, community health or similar fields of study

Practicum Description:
In this role, the intern will work with the project team (Super Smile Savers) to improve the overall oral health amongst school-aged children by assisting with the following:
- Providing oral health education to parents and children at school based and community events.
- Assisting with clinical duties such as scribing and reinforcing positive oral health habits.
- Identify new partnerships.
- Providing feedback for program activity improvements
- Assisting with event prep work
  - Creating dental referral road maps
  - Creating participants name tags
  - Creating prescreened referrals
  - Data entry
• Assisting with case management
  - Making referral calls
  - Locating a dental providers
  - Discussing eligibility with participants and their parents
  - Assisting participants and their families with applying for dental insurance (Medicaid or CHIP) through Texas Health and Human Services Hotline.

Practicum Goals & Learning Objectives (What is the project aiming to accomplish?):
The Super Smile Savers program seeks to improve oral health amongst school-aged children through collaborating with targeted schools in Harris County. Our mission is to expand our preventative dental services to communities in need through oral health education, oral health assessments, fluoride varnish applications and navigator-assisted referrals to community dental providers, including clinic-based HCPH dental services. By using the district demographics (i.e. student enrollment, percentage of economically disadvantaged students, number of disadvantaged students etc.) per school year we are able to identify schools with low socioeconomic status therefore we are able to cultivate relationships and build partnerships with schools in the targeted area. To maximize our impact on the community, the program aims to increase oral health knowledge and decrease barriers such as access to preventative treatment and oral health services. In order to maintain the effectiveness of the program we are able to increase access to primary and specialty care services, with a focus on underserved populations, to ensure patients receive the most appropriate care for their condition(s).

Practicum Deliverables (Identify the products the student is expected to create):
- Create a program needs assessment.
- Create a process evaluation.
- Initiate, plan, and execute a school based Youth Dental event.
- Create a logic model for the case management process.
- Create an outcome objective(s) that utilizes the S.M.A.R.T model.
- Using survey results create a quasi-experimental design.
Practicum Title: Strategic National Stockpile Specialist Intern

Practicum Time Frame: Summer 2020

Division/Office: Office of Public Health Preparedness and Response

Practicum Location:
HCPH Main Office  2223 West Loop South  Houston, TX 77027

Number of Hours (per week): 32 - 40 Hours

Required Skills & Minimum Education:

- Undergraduate or Graduate degree in progress in Government, Emergency Management, Fire Services, Emergency Medical Services, Public Health, Government, or related fields is preferred
- Communication and public speaking experience to small and large audiences is a plus
- An interest in the principles and practice of emergency response planning, training, and exercising
- Must possess the ability to work effectively and collaboratively with a variety of stakeholders both internal and external
- Preferred skills: Familiarity with the National Incident Command System and the Strategic National Stockpile
- Successful candidates should be able to present themselves well in professional settings and have strong verbal & written communication skills
- MUST have reliable transportation

Practicum Description:

The Strategic National Stockpile is a program designed to provide life-saving medicines and medical supplies to a community during cases of bioterrorism, pandemics, toxins, or other public health threats that overwhelm the community’s supplies needed to protect those affected.

Under the supervision of the Strategic National Stockpile (SNS) Coordinator, this internship will assist with the review and development of the SNS Plans, reaching out to various public and private agencies, develop or strengthen SNS relationships with local emergency managers and other public safety officials. These meetings may include contacting and making appointments to speak to different groups about the SNS program and recruiting additional partners. Many interns gain experience with the Harris County Emergency Operations Center (EOC), Web-EOC, emergency call down systems, radio communications, volunteer agencies, and geographic information systems.
Practicum Goals & Learning Objectives (What is the project aiming to accomplish?):

- Assist the SNS Coordinator with the review and development of the Strategic National Stockpile POD site Security Plans.
- Continue the development of relationships with Harris County Independent School Districts and institutes of Higher Learning.
- Schedule introductory or follow-up meetings with representatives of first responder organizations.
- Assist the SNS Coordinator with the continuing development of the Harris County SNS Plan, including planning, operations, and logistics.
- Assists the SNS Coordinator with SNS Exercise development using the Homeland Security Exercise and Evaluation Program (HSEEP) outlines.
- Prepare assistance with communications plans and training including public Safety radio, satellite communication, and amateur radio.

Practicum Deliverables:

- Create or update new or existing site security information.
- Compile the site security information into a site security plan for each of the Primary PODs.
- Schedule and assist with meetings with first responder organizations.
- Develop agendas and presentations for meetings with first responders, government officials, and private partners.
- Assist with training for SNS partners.
- Assist the SNS Coordinator with the development of specific subject areas of the SNS plan.
- Poster Presentation (Optional).

Many previous interns that have worked with the SNS program have gained valuable skills, including in-depth working knowledge of the SNS program, emergency management, and public health preparedness. Interns have previously been able to contact and present the SNS program to various audiences by PowerPoint, printed materials, and one on one meetings. Many interns have been able to participate in real-world emergencies or exercises. Interns have had the opportunity to meet many emergency management officials and gained valuable contacts to assist them with future employment opportunities.
Practicum Title: Preparedness and Response

Practicum Time Frame: 3 – 6 months

Division/Office: Office of Public Health Preparedness and Response

Practicum Location: HCPH Main Office – 2223 West Loop South

Number of Hours (per week): 32 – 40

Required Skills & Minimum Education:
- Undergraduate or graduate student majoring in a Public Health related program
- Must be highly organized, available to intern 24+ hours per week, and must have reliable transportation
- The Intern should be adaptable, flexible and open to different paces of work. Some tasks are quieter and involve a great deal of reading, research and/or writing. At other times, if the OPHPR office is preparing for a special event, such as an exercise, training, drill or actual Public Health emergency incident, the pace may be greatly intensified.
- The intern may occasionally be asked to be flexible with work hours, working later into the evening, on a weekend day or a day that's not a normal work day.

Practicum Description:
The Office of Public Health Preparedness & Response is responsible for developing and implementing a comprehensive, department-wide approach to public health preparedness and response activities. Activities include:

- Coordinating planning for all-hazards preparedness activities such as the CDC Strategic National Stockpile program, the CDC Cities Readiness Initiative and the TDSHS Public Health Preparedness grant
- Providing scientific and clinical oversight for public health preparedness activities
- Assuring public health response functions in the context of the National Incident Management System
- Preparing for, preventing, responding to and recovering from public health emergencies
- Coordinating competency-based education and training of public health emergency staff; conducting drills and exercises
- Coordinating community resilience outreach, education, and reporting.
**Practicum Goals & Learning Objectives:**
- Develop and/or update current response plans and procedures.
- Serve as project lead for addressing after action items from previous responses or exercises/drills.
- Assist with organizing, developing, and tracking trainings and exercises.
- Participate in local, regional, and statewide partnership meeting.
- Serve as part of the response team during real incidents, if applicable.

**Practicum Deliverables:**
- Create methodology for tracking corrective actions – quality improvement process.
- Lead preparedness exercise planning meetings and/or trainings.
- Participate in the planning and/or execution of a CASPER assessment.
- Create better signage and messaging for preparedness responses.
Practicum Title: Infectious disease outbreaks in Harris County, 2015 to 2019

Practicum Time Frame: SUMMER 2020

Division/Office: Surveillance and Epidemiology Unit (SEU)/Office of Science Surveillance and Technology

Practicum Location: Main Office
2223 West Loop South
Houston, TX 77027

Number of Hours (per week): 20

Required Skills & Minimum Education: Intern would require basic data analytical skills, including but not limited to, data cleaning and manipulation, merging different databases, utilizing STATA to conduct descriptive analyses, and obtaining data from different sources. GIS and/or Epi Info knowledge is a plus. Able to describe and present results and compare to state and national data.

Practicum Description: Intern will review all outbreak data in the time frame and provide a descriptive summary of outbreaks by etiology, facility type, and other temporal and spatial characteristics. Line lists and investigation data from databases will be made available to the intern for analysis. NORS (National Outbreak Reporting System) will be utilized to review and cross check outbreak reporting. SEU Outbreak Investigation Protocols will be used to guide the review and analysis process. Selected metrics of the protocols will be reviewed/analyzed as well.

Practicum Goals & Learning Objectives (What is the project aiming to accomplish?): Intern will understand the disease reporting timeline and process, the steps in an outbreak investigation and implementation of control measures and will gain some familiarity in what types of interview questions are asked in an outbreak. Will be able to utilize various data sources to obtain information on outbreaks (Maven and NORS). In addition, the intern will gain or enhance analytical skills, and possible mapping experience, as well as data presentation skills.

Practicum Deliverables: Present findings to the SEU team, attend the intern poster presentation at HCPH.
Practicum Title: Harris County School-Based Influenza Surveillance

Practicum Time Frame: SUMMER 2020

Division/Office: Surveillance and Epidemiology Unit (SEU) / Office of Science Surveillance and Technology

Practicum Location: Main Office
2223 West Loop South
Houston, TX 77027

Number of Hours (per week): 12

Required Skills & Minimum Education:
- Computer skills: Excel, basic data analysis
- Bachelors or pursuing graduate degree; preferably in public health, statistics or related field

Practicum Description:
Literature review of influenza surveillance and data analysis of school-based influenza-like illness (ILI) data collected through the HCPH Flu Portal to illustrate trends in influenza activity within the Harris County community.

Practicum Goals & Learning Objectives (What is the project aiming to accomplish?):
Review, clean and analyze 2018-2019 school-based ILI data available from HCPH’s Flu Portal. Compare ILI data from the most recent flu season to previous years in addition to state and national data. Review literature on influenza surveillance within the United States. Assist preceptor in creation of weekly flu reports for distribution to school district health coordinators.

Practicum Deliverables:
- Clean-up and analysis of 2018-2019 season’s Flu Portal data
- Flu surveillance summary report
- Intern poster & PowerPoint presentation
**Practicum Title:** Exploring Opioid Mortality Data

**Practicum Time Frame:**
3 – 6 months (anytime)

**Division/Office:**
Office of Science, Surveillance, and Technology

**Practicum Location:**
Main Office
2223 West Loop South
Houston, TX 77027

**Minimum Number of Hours (per week):** 8

**Required Skills & Minimum Education:**
Some experience programming in R or experience programming in SAS/SPSS/STATA and a willingness to learn R

**Practicum Description:**
This practicum will allow students to explore substance abuse mortality data –including locations and unstructured text descriptions of the events that led to the fatal event- to gain insights that would inform our prevention activities

**Practicum Goals & Learning Objectives (What is the project aiming to accomplish?):**
- Develop code-based reporting on substance abuse mortality
- Understand trends of mortality and morbidity
- Help inform prevention activities

**Practicum Deliverables:**
- Graphs, reports, possible manuscripts on substance abuse mortality surveillance
**Practicum Title:** Data Analyst Internship

**Practicum Time Frame:** SUMMER 2020

**Division/Office:** Office of Science, Surveillance, and Technology (OSST)
Business Intelligence & Data Warehouse (BIDW)

**Practicum Location:** 2223 West Loop South, Houston, Texas 77027

**Number of Hours (per week):** 20

**Minimum Education:**
Associates Degree

**Required Skills:**
- Interest in research, data development, report creation, and data analysis.
- Passionate about using data to improve and inform decision-making.
- Experience in SQL and at least one reporting tool (SSRS, Crystal Reports, Excel, Tableau, Power BI and/or GIS) will be a plus. Knowledge of Data Warehouse and Databases a plus. Previous exposure to ICD-10 CM/PCS code structure a plus.

**Practicum Description:** Work with Business Intelligence analysts to research and document data sources, create new reports, modify existing reports, and interact with HCPH departments to determine data needs. This practicum is designed to research health facility code structures, ideal for an enterprising future analyst who wants a head start on their career.

**Practicum Goals & Learning Objectives:**
Goal: Develop data literacy skills that will translate in to advancements of HCPH reports and translatable business skills.

Learning Objectives:
1. Learn about SQL: how to validate new data sources and how to optimize existing data queries.
2. Learn how to make and evaluate data inquiries.
3. Learn how to create data dictionary.
4. Collaborate with BIDW Architecture Intern

**Practicum Deliverables:**
- Poster Presentation (*Optional*)
- Documentation of data sources developed or utilized for reporting
- Ability to explain ICD-10 code set relationships to professional audience
Practicum Title: Data Design Internship

Practicum Time Frame: SUMMER 2020

Division/Office: Office of Science, Surveillance, and Technology (OSST)
Business Intelligence & Data Warehouse (BIDW)

Practicum Location: 2223 West Loop South, Houston, Texas 77027

Number of Hours (per week): 20

Minimum Education: Associates in Computer Science, IT, or related field preferred

Required Skills:
- Knowledge of and interest in advancing procedural programming language skills.
- Knowledge of database structure, API, and data warehousing a plus.
- Microsoft Office Suites competency (Visio, PowerPoint, Word, Excel).
- Knowledge of health care field a plus.

Practicum Description:
Work with the Senior Data Architect to research data ingestion project(s) and create staging tables as well as documentation of processes.

Practicum Goals & Learning Objectives:
Goal: Data acquisition research and documentation.
Learning Objectives:
1. Learn about the data sources/structures in HCPH Data Warehouse.
2. Learn how to validate and create documentation of data elements in a professional environment.
3. Data Enrichment and web research.

Practicum Deliverables:
- Poster Presentation
- Documentation of conceptual to physical data design
- Creation of professional-level data mapping and schema documentation
**Practicum Title:** Researcher Analyst Internship

**Practicum Time Frame:** SUMMER 2020

**Division/Office:** Office of Science, Surveillance, and Technology (OSST) Business Intelligence and Data Warehouse (BIDW)

**Practicum Location:** 2223 West Loop South, Houston, Texas 77027

**Number of Hours (per week):** 20

**Minimum Education & Required Skills:**
- Currently pursuing a Master of Public Policy, or Master of Public Health, or Master's of Science with an emphasis on data analysis, epidemiology, biostatistics, informatics, or a closely related field.
- Experience with coding utilizing statistical analysis software (SAS, SPSS, Stata)
- Ability to exercise sound judgment and apply ethical principles when accessing, analyzing, and discussing sensitive or confidential data
- Professional report summary writing experience
- Knowledge of healthcare field

**Practicum Description:** Work with BIDW Data Analytics Manager and data analysts to research/document data sources, perform initial literature reviews, and interact with HCPH departmental partners. This practicum is designed to elevate research project development for BIDW Data Analytics Manager.

**Practicum Goals & Learning Objectives:**
**Goal:** Complete a data analysis project related to cardiovascular disease.

**Learning Objectives:**
1. Conduct a comprehensive literature review on cardiovascular disease data and surveillance, including examination of surveillance systems at other health departments/agencies.
2. Formulate recommendations for implementing a cardiovascular disease surveillance system within the data warehouse based on data warehouse needs and findings from above.
3. Analyze data and create data visualizations related to cardiovascular disease utilizing statistical analysis software and Power BI.
4. Present project findings in poster format to HCPH staff and other interns.

**Practicum Deliverables:**
- Poster Presentation
- Documentation of data sources developed or utilized for project reporting
- Ability to discuss cardiovascular disease project to professional audience