



Form 1: Internship Description

Office of Academic Affairs
DSHS Internships

Internship Title: Texas Syndromic Surveillance (TxS2) Internship			
Internship Location (Please also indicate if the internship is offered In-Person only, Virtual only, or either In-Person or Virtual): Virtual		Preceptor Name and Title: Linc Allen, TxS2 Coordinator	
Brief Description Include minimum of 3 learning objectives			
Intern will learn how to build queries in the ESSENCE syndromic surveillance system used by DSHS, Tarrant County, City of Houston, and the CDC, among others. Intern will learn how to analyze health records based on symptoms to find cases of illness, and to improve queries within the ESSENCE system.			
Approximate Total Weekly Hours: 10-20	Paid: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DSHS Division: RLHO	Program: TxS2

Population Focus (Check all that apply)

<input type="checkbox"/> Infant/Newborn	<input type="checkbox"/> Adolescent	<input type="checkbox"/> Children and Youth with Special Healthcare Needs	<input type="checkbox"/> Adults
<input type="checkbox"/> Mothers	<input type="checkbox"/> Elderly	<input type="checkbox"/> Populations at risk for and with STDs	<input type="checkbox"/> DSHS employees
<input type="checkbox"/> Zoonosis	<input type="checkbox"/> Geographic or Tribal Community	<input checked="" type="checkbox"/> Other special populations	Other: ER Patients

Functional Focus (Check all that apply)

<input type="checkbox"/> Program Administration	<input type="checkbox"/> Program Implementation	<input type="checkbox"/> Screening and Assessment	<input type="checkbox"/> Service Coordination
<input type="checkbox"/> Program Planning	<input type="checkbox"/> Policy Analysis and Development	<input checked="" type="checkbox"/> Epidemiology	<input checked="" type="checkbox"/> Health Information Technology
<input checked="" type="checkbox"/> Program Development	<input type="checkbox"/> Manual Development	<input checked="" type="checkbox"/> Disease Surveillance	<input type="checkbox"/> Lab Services
<input type="checkbox"/> Program Evaluation	<input type="checkbox"/> Research	<input type="checkbox"/> Database Design and Development	Other:

Dimensions of Public Health (Check all applicable)

<input type="checkbox"/> Behavioral Health	<input type="checkbox"/> Laboratory Science	<input type="checkbox"/> Environmental Health
<input checked="" type="checkbox"/> Infectious Diseases	<input type="checkbox"/> Chronic Disease	<input checked="" type="checkbox"/> Epidemiology
<input type="checkbox"/> Prevention- Health Promotion	<input type="checkbox"/> Oral Health	<input type="checkbox"/> Zoonosis Control

Internship Details

Intern Activities
What will the intern do during their internship? Use verbs to describe activities.
<ul style="list-style-type: none"> • Intern will be querying ESSENCE data base to understand health trends in Texas Emergency Rooms • Intern will build a statistical model to analyze when major increases in numbers of cases of certain diseases are significant or not • Intern will be using data from ESSENCE queries to alert appropriate DSHS programs for new trends, and to help ESSENCE users query the database themselves • Intern will be investigating other health trends to find those not currently queried in ESSENCE and building dashboards that will be useful for interested users • Intern will investigate and/or create use cases of use of ESSENCE for hospital staff and public health epidemiologists
Intern Deliverables (at least one)
What will the intern produce or complete at the end of the internship?
Dashboard for users in ESSENCE that includes new or refined queries
Code for statistical model to analyze increase in certain diseases
Presentation on use cases

Applicant Qualifications

Required	Skill (check all that apply)	Proficiency (check one for each app.)
	<input checked="" type="checkbox"/> Microsoft Office: <input type="checkbox"/> Word <input checked="" type="checkbox"/> Excel <input type="checkbox"/> PowerPoint	<input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input type="checkbox"/> Advanced <input type="checkbox"/> Basic <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Advanced <input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input type="checkbox"/> Advanced
	<input type="checkbox"/> Statistical Analysis applications (SPSS, STATA, etc.)	<input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input type="checkbox"/> Advanced
	<input type="checkbox"/> Tableau or similar applications	<input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input type="checkbox"/> Advanced
	<input type="checkbox"/> Other software applications:	<input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input type="checkbox"/> Advanced
	Academic level and/or degree or field/discipline	
Pursuing a Masters degree in Public health, epidemiology, health data, or similar field		
Other required qualifications (list below)		
<ul style="list-style-type: none"> • • 		

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Application Instructions

Qualified and interested applicants must submit the following items to the contact below:

<input checked="" type="checkbox"/> Application	<input checked="" type="checkbox"/> Letter of Interest	<input type="checkbox"/> Two letters of recommendation Instructions: Letters from current or former supervisor or faculty members (in lieu of reference checks).
<input checked="" type="checkbox"/> Resume	<input type="checkbox"/> Writing Sample	<input type="checkbox"/> Other documents:

Contact Information

Contact Name and Information	Name: Craig Gilden, MEd Title: Education Coordinator Email: internships@dshs.texas.gov
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