El Paso COVID-19 Recovery Training

P2R CONSORTIUM
NIEHS WTP GRANT NO. U45ES019360
El Paso County

Population: Almost 840,000
Hispanic descent: 83%
Median home value: $121,500
Median household income: $46,871
Persons in poverty: 18.8%
Education, persons age ≥25 years:
  • HS diploma: 78.5%
  • Bachelor’s degree: 23.3%
Housing:
  • Median gross rent: $838
  • Median home value: $121,500

Census Quick Facts, ~2019
COVID-19 Cases

NY Times, Coronavirus Tracking
COVID-19 Deaths

El Paso County:
Total deaths, 12/1/2020 – 5/18/2021: 2,596
Yesterday’s reported deaths, 5/18/2021: 2

Johns Hopkins Coronavirus Resource Center
https://www.epstrong.org/results.php
COVID-19 Vaccinations

Total vaccinations administered: 767,623
Project At A Glance

Overall objective: To deliver actionable, site-specific training in COVID-19 mitigation strategies to vulnerable populations in El Paso County

Partners: El Paso Hispanic Chamber of Commerce, University Medical Center of El Paso, El Paso Water

Aims:
1. Expand and refine a COVID-19 risk profile tool that will calculate a site-specific risk profile for workers by job classification and task.
2. Create an individual and actionable SARS-CoV-2 transmission mitigation plan in English and Spanish.
3. Deliver high quality, culturally appropriate training and resources to mitigate workplace transmission.
Aim 1: Expand & refine risk profile tool

### Preliminary Hazard Classification (Aim 1A)
Output: Identify job task-level hazards

- **DOL O*NET**
  - Job Task Attributes for SARS-CoV-2 Job-related Risk
    - **Interpersonal Interactions**
      1. Contact with others
      2. Physical proximity
      3. Face-to-face discussions
      4. Performing for or working directly with the public
      5. Deal with physically aggressive people
    - **Exposure to pathogens**
      1. Exposure to disease and infection
    - **Workplace settings**
      1. Indoors, environmentally controlled
      2. Indoors, not environmentally controlled
      3. Outdoors, exposed to weather
      4. Outdoors, under cover

### OSHA COVID-19 Occupational Risk Pyramid

- Very High: High potential for exposure to known or suspected sources during specific procedures
- High: Minimum contact with people known/suspected of being infected
- Medium: Frequent or close contact with people of unknown COVID-19 status
- Lower Risk (Caution): High potential for exposure to known/suspected sources during specific procedures

### Comprehensive Hazard Classification (Aim 1B)
Output: Identify site-specific hazards

- **Conduct On-site Risk Assessment**
  - **Initial Assessment**
    - Initial survey instrument
    - Conducted by bilingual CHWs
    - Culturally appropriate
    - Collaborative
  - **Follow-up Discussions**
    - Conducted by same bilingual CHW, if possible
    - Culturally appropriate
    - Purpose to refine initial assessment in collaboration with business owner & workers
Aim 2: Create transmission mitigation plans

- Develop Transmission Mitigation Plan
  - Risk Profile
  - Updated & Expanded Controls Matrix
  - Follow-up discussions with business owners & others, as needed
  - NIOSH Hierarchy of Controls
  - Transmission Mitigation Plan
Aim 3: Deliver training & resources

Deliver resources to community

1. Bilingual community health workers will deliver site-specific transmission mitigation plans, supplemental resources (PPE, disinfection kits), and connections to other resources to business owners.

2. Project team will deliver risk reduction training and resources to El Paso Water, University Medical Center of El Paso, the El Paso Hispanic Chamber of Commerce, and others in the community.

3. Evaluate the development of transmission mitigation plans and delivery of resources.

Adding vaccination education
The Project Team

Janelle Rios, PhD, Principal Investigator, Director of P2R Consortium – Manage the preparation and execution of all project activities as well as the administration of the grant, co-leading Aim 2

Kristi Mena, PhD, Co-Investigator, Dean of UTHealth SPH El Paso Campus – Oversee coordination of assessment activities and training events and work with community leaders in El Paso, co-leading Aim 2

Sadie Conway, PhD, Occupational Epidemiologist – Develop courses and lead Aim 1

Louis Brown, PhD, Co-Investigator – Program evaluation

Denise Vasquez, MPH, Research Coordinator – Organize community health workers, lead Aim 3

Sylvia Hernando, UTHealth SPH Community Health Worker

Holly Cieslikowski, Project Specialist – Develop and edit course content

Pamela Phillips, Program Coordinator – Logistics

SoYoung Kwon, PhD, Instructional Developer and e-Learning Specialist – Course development and coordination
THANK YOU NIEHS!