

TOPICS IN PUBLIC HEALTH

Cara Pennel, DrPH, MPH

University of Texas Medical Branch in Galveston

Preventive Medicine and Population Health





Overview

- Student-types
- Purpose: Introduce students to basic public health concepts and community-based practice
 - underserved populations
 - health and non-health needs that affect health outcomes
 - community-based resources that align with public health and medical education, training, and practice



Learning Objectives

1. Apply public health concepts and understanding to population health problems
2. Identify determinants of health and illness, factors contributing to health promotion and disease prevention, and factors influencing the use of health services impacting communities
3. Identify community-based resources that have potential to improve health outcomes and align with public health and medical education, training, and practice; and
4. Engage in community-based public health practice in response to community partner needs and requests.



Mixed-Modality Format

- Faculty Lectures
- Guest Speakers
- Site Visits
- Activities
- Community-Driven Projects



Faculty Lectures

- History of Public Health
- Introduction to Epidemiology
- Environmental Health
- Community Health Assessment
- Social Determinants of Health
- Health Policy
- Additional resources provided



Guest Speakers

- Adverse Childhood Experiences
- Understanding Health Insurance
- Evidence-Based Teaching Methods for Teachers
- Child Advocacy



Site Visits

- Galveston County Health District Tour
- Our Daily Bread
- St. Vincent's House
- Galveston's Own Farmers Market
- Galveston Urban Ministries
- Prison System in Huntsville (Estelle Unit, Central Pharmacy, Walls Unit)
- Alcohol & Drug Abuse Women's Center (ADA House)



Students tour St. Vincent's House & Our Daily Bread.





Activities

- Book Club—*No Apparent Distress*
- Public Health Values Activity & Discussion
- *Paper Tigers* Documentary Discussion
- Windshield/Walking Community Assessment & Presentation
- Living in Poverty Activity & Presentation/Debrief

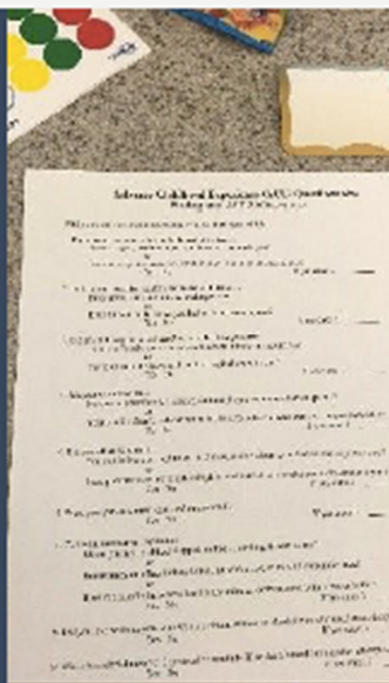
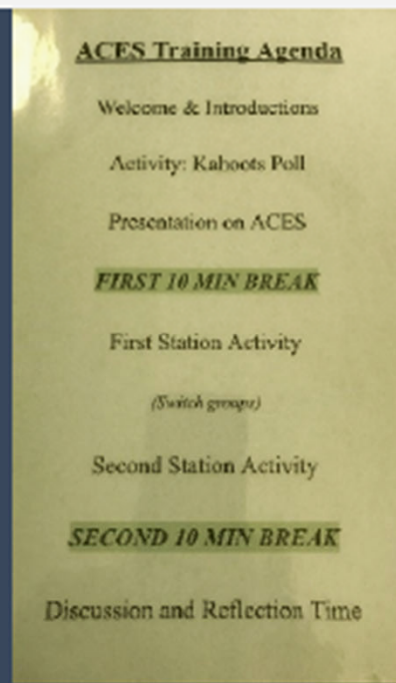


Community-Driven Projects

- Adverse Childhood Experiences (ACEs) Training Project with Independent School District
 - Developed outline
 - Developed training, including board game, role play scenarios
 - Delivered training to ISD staff
- Community Based Participatory Research: Health of Galveston Women in Transition Project
 - Received training in interviewing
 - Piloted and provided feedback on data collection instrument and interview guide
 - Administered semi-structured interview



Students lead ACEs Workshop for Dickinson ISD staff.



START

the Game of
life with ACES

Lowest Roll Starts Here

Elementary Events

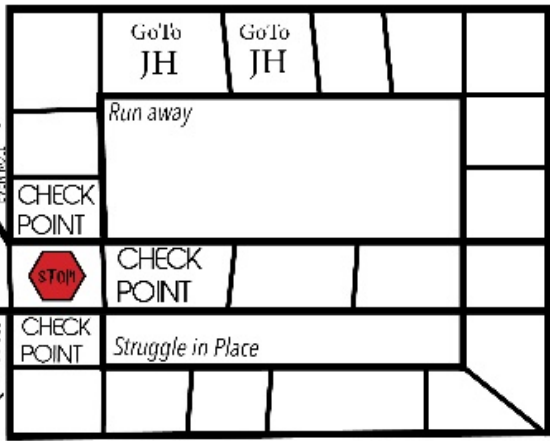
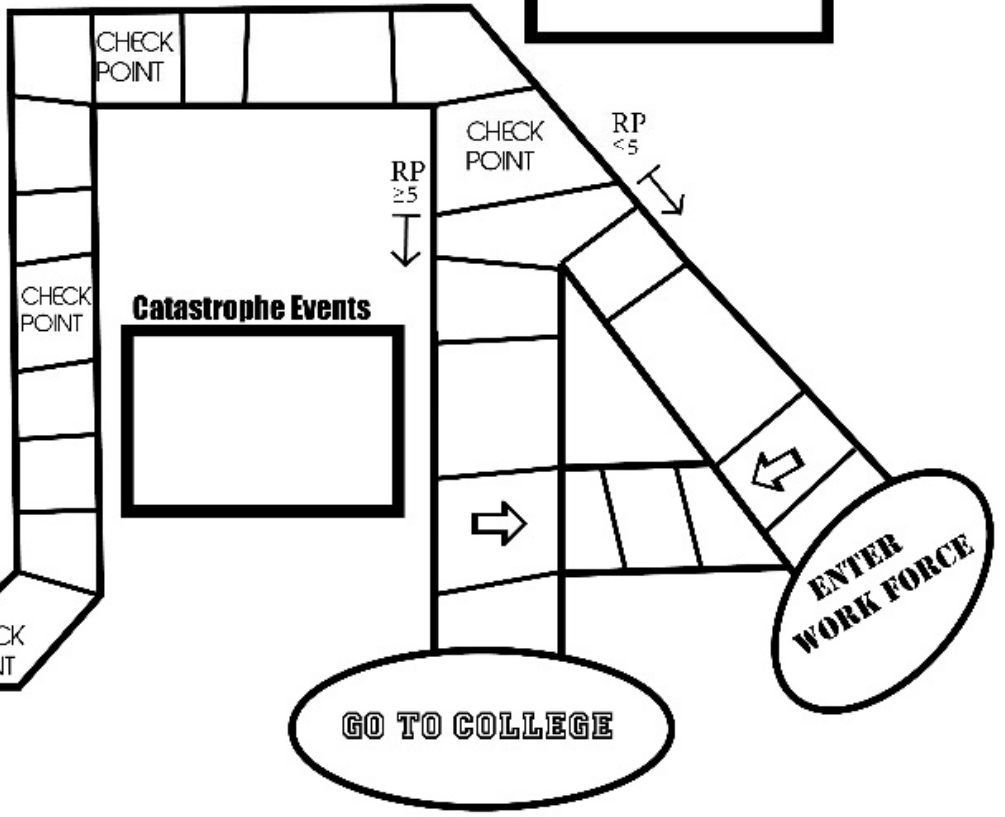
Middle School & High school Events

To leave:
White Students roll 2, 4, or 5
Non-White Students roll 2 or 5



collect 1RP for crossing this line

Elementary
Middle/High





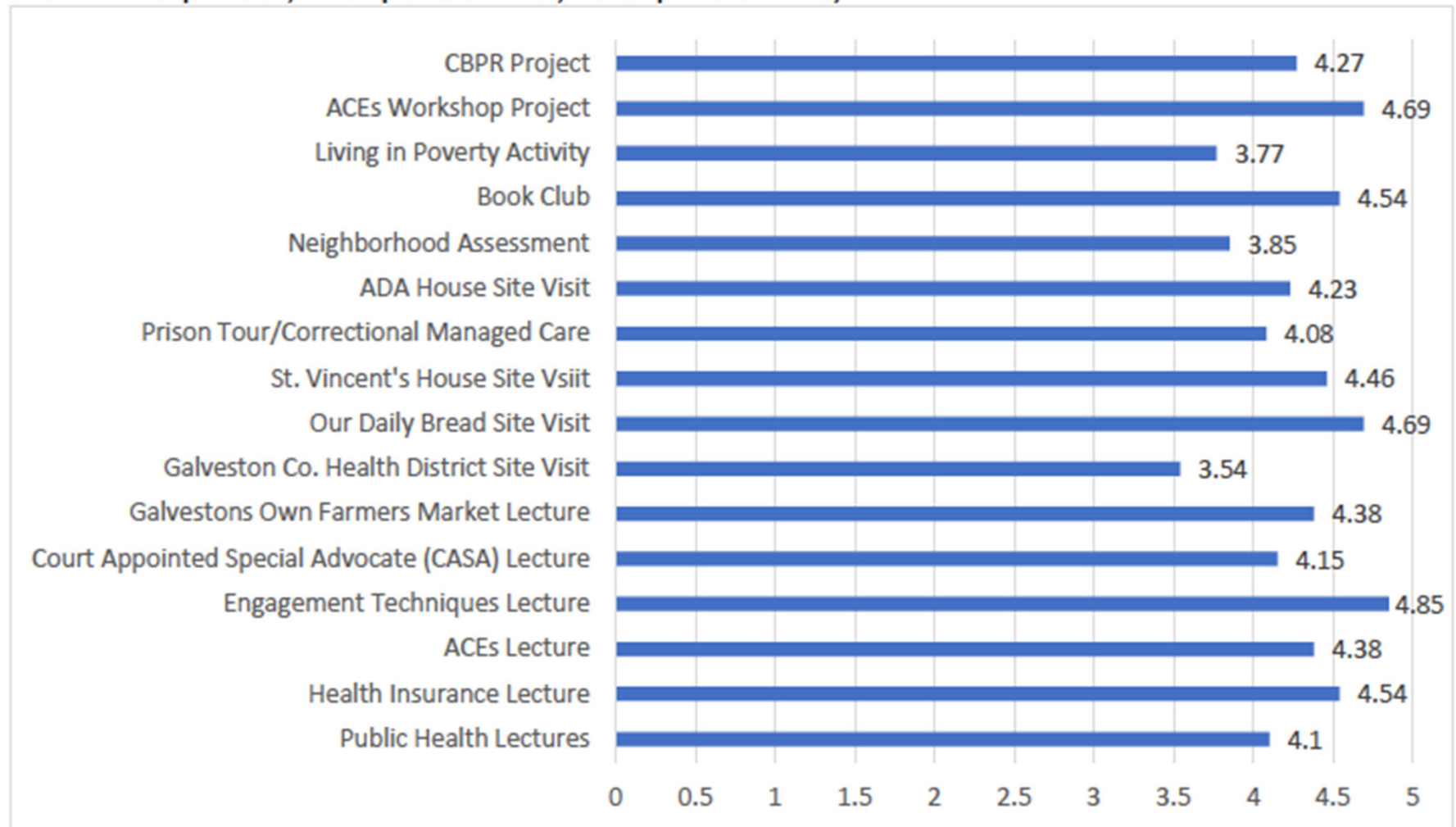
Evaluation

Continual course feedback & evaluation

- Pre-course survey to adapt courses to students' interests
- Midway check-in
- Post-course survey
 - Rate lectures, speakers, activities, site visits, & projects
 - Request more specific feedback
- Course is adapted annually based on student interests and partner requests for the community-driven project

Outcomes

Figure 1. Helpfulness of course activities for future professional practice. (Mean score from student responses; min. possible = 1, max. possible = 5)





Next Steps

- Improve Educational Scholarship
 - Changes in knowledge/attitudes
 - Behavior in clinical and community rotations
 - Longer-term outcomes



Acknowledgements

Course Manager

Leslie Stalnaker, MPH

Program Manager, Public Health Program

Previous Course Directors/Co-Directors

Christine Arcari, PhD, MPH

John Prochaska, DrPH, MPH