



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™
EL PASO



Broader Impacts in Health Care Shortage Area: Assessment Findings and Long-Term Solutions



20th Annual Conference of the
Engagement Scholarship Consortium 2019 Meeting



Valerie Paton, Ph.D.

Senior Vice Provost, Office of the Provost/VP Academic Affairs, TTUHSC El Paso
Professor, Higher Education, Texas Tech University

J. Manuel de la Rosa, M.D.

Vice President for Outreach and Community Engagement

Christiane Herber-Valdez, Ed.D.

Managing Director, Office of Institutional Research and Effectiveness, TTUHSC El Paso

Julie Ann Blow, Ph.D.

Assistant Managing Director of Assessment,
Office of Institutional Research and Effectiveness, TTUHSC El Paso



History

- 1970s - Community initiated request for medical school expansion for under-served region.
- TTUHSC Lubbock responded with upper-division medical education and residencies.
- 2013 - TTUHSC El Paso was established as the fourth independent university within the TTU System.
- 2018 – SACSCOC granted separately accreditation.
- TTUHSC El Paso is the ONLY Health Sciences Center in El Paso and the ONLY medical school and HIS on the U.S.-Mexico border.
- July 2021 – Opening of first new dental school in Texas in 55 years.

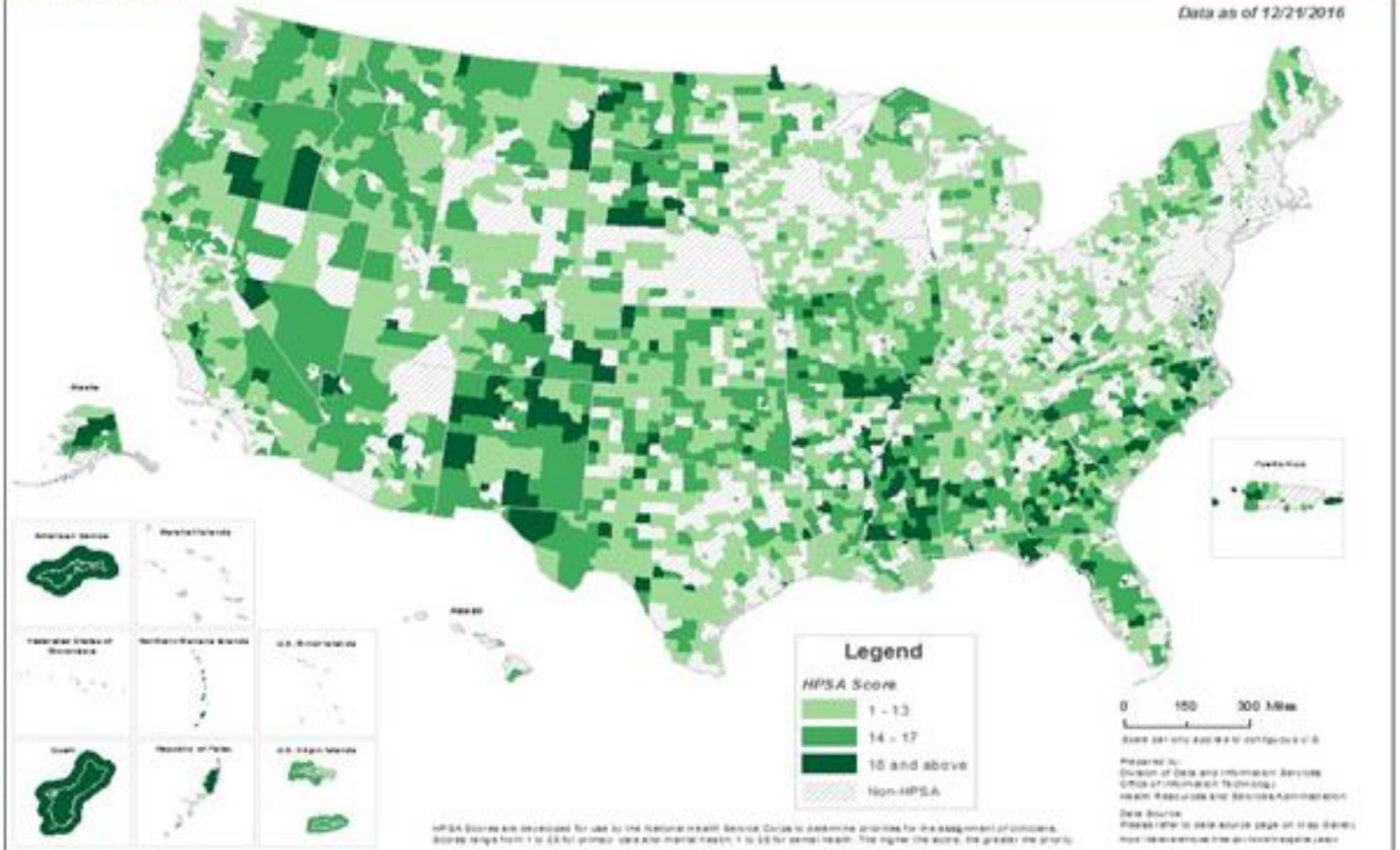


HRSA

Health Resources & Services Administration

Health Professional Shortage Areas (HPSA) - Primary Care

Data as of 12/29/2016





Kellogg 7-Part Test used as organizing and analysis structure

- Responsiveness
- Respect for partners
- Academic neutrality
- Accessibility
- Integration
- Coordination
- Resource

Returning to Our Roots. (January 2001), see page 16 at:

<https://www.aplu.org/library/returning-to-our-roots-kellogg-commission-on-the-future-of-state-and-land-grant-universities-executive-summaries-of-the-reports-of-the-kellogg-commission-on-the-future-of-state-and-land-grant-universities-2000/file>



2019 TTUHSC El Paso Community Engagement Survey and the Kellogg 7-Part Test

- Purpose
 - To assess the involvement of TTUHSC El Paso faculty, staff, and residents in community engagement (**Responsiveness**).
- Survey questions were developed based on Michigan State University's Outreach and Engagement Instrument, previously revised for use at Texas Tech University
- Delivered via anonymous email link to 1971 currently employed faculty, staff, and residents.
- 372 respondents (19% response rate)
 - 24% faculty (n=77)
 - 72% staff (n=234)
 - 5% residents (n=15)



2019 TTUHSC El Paso Community Engagement Survey and the Kellogg 7-Part Test

- Partners identified most reported forms of engagement included:
 - 16% Clinical Service (n=13; **Respect for Partners; Accessibility**)
 - 22% Public programs, events, and resources (n=18; **Accessibility**)
 - 13% Research and creative activity (n=11; **Academic Neutrality**)
- Domains impacted by project/activity:
 - 29% Health and human life (n=33; **Accessibility**)
 - 11% University-community ties (n=12; **Coordination**)
 - 8% Research (n=9; **Academic Neutrality**)



2019 TTUHSC El Paso Community Engagement Survey and the Kellogg 7-Part Test

- Scholarly products reported (**Academic Neutrality**):
 - 60% Presentations (n=15)
 - 32% Publications (n=8)
- Sources of funding/revenue(**Resource Partnerships**):
 - 7% Federal grants (n=3)
 - 10% Foundations (n=4)
 - 19% Other non-profit organizations (n=8)
 - 7% State grants (n=3)



What do we know about our partnerships?

- built in collaboration with the community?
- multi-directional and responsive to stakeholder needs?
- designed to be sustainable?
- aligned with the community's vision for broad impact in the border region?

Research Study: *Broader Impacts in Health Care -
Community Partner Perceptions*



Specific Aims

- Better understand the needs and issues affecting the El Paso community
- Identify strengths and targets for improvement
- Provide a mechanism for feedback regarding TTUHSCEP community partnerships
- Better enable continued opportunities for partnerships between TTUHSC El Paso and El Paso institutions and organizations.

Methodology

- **Sequential Explanatory Design**
 - Phase 1: Existing Survey Data
 - Phase 2: Focus Groups with Community Partners
- **Data Analysis**
 - Mixed Method Approach
 - Quantitative data: Descriptive Design
 - *Seeks to describe current status of variable or phenomenon*
 - Qualitative data: Grounded Theory
 - *Seeks to generate theory that is grounded in data systematically gathered and analyzed (Strauss & Corbin, 1998)*

Participants

- Purposeful selection
 - Describe the experiences and perspectives of chosen participants
 - Survey data informed selection of participants
 - Total 14 participants
 - Areas: community support, health specific, secondary education, post-secondary education
 - Four focus groups
 - Group 1 –Rotary Club of El Paso, Annunciation House, United Way
 - Group 2 - El Paso Lupus Society, Rio Grande Cancer Foundation
 - Group 3 – Clint Independent SD, Mountain View High School
 - Group 4 – El Paso Community College

Study site: TTUHSC El Paso - Welcome by President

Compensation: None (Lunch!)

Informed Consent: On site, study information sent via email ahead of event





Focus Group Questions

- How does the partnership with TTUHSC El Paso benefit your organization?
- What are the most important community issues to you?
- How are these issues addressed through the partnership with TTUHSC El Paso?
- If you were given an opportunity to shape your partnership, what changes would you make?
- How could the partnership with TTUHSC El Paso be improved?



Emergent Themes

Theme	Description
“El Paso is a medical desert”	<ul style="list-style-type: none">▪ Need for medical information and assistance▪ General lack of awareness; not just among patients▪ Need (for everyone) to know local resources are available▪ Help remove stigma of chronic diseases
Moving through a fog	<ul style="list-style-type: none">▪ Long-standing partnerships, but as university has grown there is lack of understanding of the organization▪ Need for better/deeper understanding of the university▪ “All I know is to say go to Texas Tech, I would love to be a little bit more definitive”▪ University needs to get to know the community
Sharing Resources	<ul style="list-style-type: none">▪ University is perceived as having many - and more – resources (state funding).▪ Organizations are maintaining partnership, because they lack resources▪ Concern that community does not benefit from the university (“medical school graduates leave”)▪ “What are you giving back to us?”



Emergent Themes cont.

Theme	Description
Fragile Connections	<ul style="list-style-type: none">▪ Need more connectivity between organizations▪ Organizations work in silos
Need for Leadership	<ul style="list-style-type: none">▪ Desire for TTUHSCEP to take on community leadership role▪ TTUHSCEP to serve as convener/facilitator▪ “Bring stakeholders together, so that we can identify what we have and what we need”
“Partners make us stronger”	<ul style="list-style-type: none">▪ Auxiliary services are common to all (i.e. chronic disease patients share need for same education/information/services)▪ What can we [all organizations] contribute to the conversations?▪ Partnerships seen as social capital
“Local is everything”	<ul style="list-style-type: none">▪ Nothing matters unless it is done locally▪ Health policies, information, research – nothing matters unless it is used, practiced, and people know about it



Next Steps

- Complete Qualitative Analysis
- Member checking
- Finalize Results
- Prepare manuscript for publication



2015-2020

Strategic Plan for TTUHSC El Paso

TTUHSC El Paso Mission Statement

The mission of Texas Tech University Health Sciences Center at El Paso is to improve the lives of people in our State and our community by focusing on the unique health care needs of socially and culturally diverse border populations through excellence in integrated education, research, and patient care.

TTUHSC El Paso Goals and Objectives

- 1. Foster the development of competent health care professionals
- 2. Recruit, develop, and retain outstanding employees
- 3. Advance knowledge through innovative, peer-reviewed research
- ✓ 4. Improve community health through the provision of patient care services and health- related education
 - 4.1 Improve access to quality health care in targeted populations
 - 4.2 Develop and enhance programs that promote health education
 - 4.3 Provide leadership in the development of partnerships to improve community health
 - 4.4 Enrich student services across the TTUHSC El Paso community
- 5. Operate effectively and efficiently through maximization of available resources



TTUHSC El Paso Strategic Plan Scorecard 2015-2020 (updated as of 1/9/19)

Goal IV. Improve community health through the provision of patient care services and health-related education

Objective 4.1 Improve access to quality health care in targeted populations	Outcome	Outcome	Target	Outcome	Target	Outcome	Target
	FY 2015	FY 2016	FY 2017	FY 2017	FY 2018	FY 2018	FY 2020 ^b
Total Number of Clinic Visits ¹	198,251	193,786	195,000	197,005	200,000	207,029	217,380
Total Number of Patients Served ^{1, a}	111,015	108,082	110,000	113,498	115,000	127,438	133,810
Total Number of Inpatients Served ^{1, a}	21,162	19,522	20,000	20,427	21,000	22,628	23,759
Total Number of Outpatient Visits ^{1, 2}	NA	NA	NA	242,459	Target not set	371,183	389,742
Unreimbursed Cost of Uncompensated Care Provided by Faculty ^{1, 2}	\$28.99 M	28.17 M	\$28.50 M	\$34.26 M	\$35 M	\$45 M	\$47.25 M
<small>Sources: ¹ MPIP Business Office; ² Legislative Budget Board Annual Performance Measure Report.</small>							
<small>Notes: ^a Distinct Medical Record Number (MRN) count; ^b 5% increase over FY 2018 Outcome.</small>							
Objective 4.2 Develop and enhance programs that promote health education	Outcome	Outcome	Target	Outcome	Target	Outcome	Target
	CY 2015	CY 2016	CY 2017	CY 2017	CY 2018	CY 2018	CY 2020
Number of Residency Sponsoring Institutions	UMC - 1	UMC - 1	UMC - 1	UMC - 1	UMC - 1	UMC - 1	UMC - 1 (THOP IP for 2021)
Degree, Certificate and GME Affiliation Agreements with Health Care Providers ¹	NA	NA	NA	NA	Target not set	42 Providers 53 Agreements	Target not set
Number of Students Participating in Global Health Initiatives Abroad ²	9	6	10	5	10	10	12
<small>Sources: ¹ Affiliation Agreements from TTUHSCPE Contracts Department, FY 2018; ² Office of Diversity, Inclusion, and Global Health.</small>							
Objective 4.3 Enrich engagement across the El Paso community	Outcome	Outcome	Target	Outcome	Target	Outcome	Target
	CY 2015	CY 2016	CY 2017	CY 2017	CY 2018	CY 2018	CY 2020
Total number of participants in AHEC-sponsored events. ¹	10,283	13,537	13,000	14,663	15,000	19,576	19,876
Total number of participants in PFSOM Admissions-sponsored outreach events (K-16) ²	5,651	10,922	10,000	10,063	9,000	9,199	10,000
<small>Sources: ¹ Desert Mountain Area Health Education Center (AHEC); ² PFSOM Office of Admission</small>							



TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER™ EL PASO

Kellogg 7-Part Test Seven-Part Test	Institutional Mission Statement	TTUHSC El Paso Institutional Strategic Plan 2015-2020	Engagement Survey Participants: Faculty & Staff Summative Findings (First administration - April 2019)	Focus Group Participants: Community Partner Emergent Themes Focus groups - August 2019	TTUHSC El Paso Institutional Strategic Plan 2020-2025	Broader Impacts	Source
Responsiveness	Improve the lives of people our state and community	Goal: Improve community health through the provision of patient care services and health-related education.	Utilized TTU Raiders Engaged Survey (derived from OEMI) Definition of CE shared 19% response rate (n=372) Faculty 25%/Staff 77%	Fragile connections Need for leadership El Paso is a medical desert	Goal: Excellence in Community Engagement and Outreach	University-based health initiatives # of Residents in El Paso annually # of Primary Care Physicians who graduate from TTUHSC EP and practice in El Paso # of Specialty Physicians who graduate from TTUHSC EP and practice in El Paso # of BSN graduates who stay in El Paso # of Dentists graduated and practice in El Paso	AUTM TTUHSC Institutional Reporting To Texas Legislature and THECB
Respect for Partners	Focus on the unique health care needs of socially and culturally diverse border populations		Partners identified Most reported forms of engagement included: 16% Clinical service (n=13) 22% Public programs, events, and resources (n=18) 13% Research and creative activity (n=11)	Moving through a fog Partners make us stronger	Objective: Increase engagement with El Paso community	# of formalized partnership with community clinics, organizations # of students, faculty and staff working in formal partnerships # of patients or community members receiving partnership services	Carnegie CE Classification
Academic neutrality	Excellence in research	Objective: Enrich engagement across the El Paso community	Domains impacted by projects/activity: 2% Human capital (n=2) 3% Social empowerment (n=3)	N/A	Partners identified Most reported forms of engagement included: 13% Research and creative activity (n=11)	# of collaborative research projects funded # of licensing agreements and patents filed for health related initiatives Human clinical trials	NIH AUTM APLU-CICEP, 2014
			Domains impacted by projects/activity: 8% Research (n=9)		Scholarly products reported: 19% (n=9) Type of scholarly products: 60% Presentations (n=15) 32% Publications (n=8)		
Integration	Excellence in integrated education			Partners make us stronger Local is everything	Objective: Expand Global Health opportunities for students and faculty to undertake faculty-led activities	# of cross-discipline and interprofessional education collaborations	NSF
Coordination			Domains impacted by projects/activity: 11% University-community ties (n=12)	Need for leadership	Objective: Develop pathway programs with local schools to increase students' knowledge and interest in health fields	# of staff allocated to CE partnerships % of faculty and staff engaged in CE initiatives	Holland, 1997 Kecskes, 2008 Hanover Research, 011
Resource partnerships			Sources of funding/revenue: 7% Federal grant (n=3) 10% Foundations (n=4) 19% Other non-profit organizations (n=8) 7% State grant (n=3)	El Paso is a medical desert Local is everything Sharing resources	Objective: Increase community health education	Dollars spend on public health initiatives (e.g. clinics) Dollars spent of grant-funded collaborations	Dubb. McKinley & Howard, 2013



Group Activity

- Start filling in matrix (10 minutes)
- Review/discuss with table partners (10 minutes)
- Report out (10 minutes)



Valerie Paton, Ph.D.

Senior Vice Provost, Office of the Provost/VP Academic Affairs, TTUHSC El Paso
Professor, Higher Education, Texas Tech University
valerie.paton@ttuhsc.edu

J. Manuel de la Rosa, M.D.

Vice President for Outreach and Community Engagement
jmanuel.delarosa@ttuhsc.edu

Christiane Herber-Valdez, Ed.D.

Managing Director, Office of Institutional Research and Effectiveness, TTUHSC El Paso
christiane.herber-valdez@ttuhsc.edu

Julie Ann Blow, Ph.D.

Assistant Managing Director of Assessment,
Office of Institutional Research and Effectiveness, TTUHSC El Paso
julie.blow@ttuhsc.edu



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER.[™]
EL PASO

2019 Commencement Video

Jake Wilson, M.D.
Graduate May 2019



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™
EL PASO

Thank You!