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
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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.
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:
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

<table>
<thead>
<tr>
<th>Theme</th>
<th>Description</th>
</tr>
</thead>
</table>
| “El Paso is a medical desert” | - 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          | - 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             | - 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?”                                                                                                                                                                                                                                   |
<table>
<thead>
<tr>
<th>Theme</th>
<th>Description</th>
</tr>
</thead>
</table>
| Fragile Connections      |  ▪ Need more connectivity between organizations  
                          ▪ Organizations work in silos                                                  |
| Need for Leadership      |  ▪ 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” | ▪ 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”    | ▪ 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

<table>
<thead>
<tr>
<th>Objective 4.1 Improve access to quality health care in targeted populations</th>
<th>Outcome</th>
<th>Outcome</th>
<th>Target</th>
<th>Outcome</th>
<th>Outcome</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Clinic Visits(^2)</td>
<td>FY 2015</td>
<td>198,251</td>
<td>193,786</td>
<td>155,000</td>
<td>197,005</td>
<td>200,000</td>
</tr>
<tr>
<td>Total Number of Patients Served(^2)</td>
<td>FY 2015</td>
<td>111,015</td>
<td>108,082</td>
<td>130,000</td>
<td>113,498</td>
<td>115,000</td>
</tr>
<tr>
<td>Total Number of Inpatients Served(^2)</td>
<td>FY 2015</td>
<td>21,162</td>
<td>19,522</td>
<td>20,000</td>
<td>20,427</td>
<td>21,000</td>
</tr>
<tr>
<td>Total Number of Outpatient Visits(^2)</td>
<td>FY 2015</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>262,459</td>
<td>Target not set</td>
</tr>
<tr>
<td>Unreimbursed Cost of Uncompensated Care Provided by Faculty(^1,2)</td>
<td>FY 2015</td>
<td>$28.99 M</td>
<td>28.17 M</td>
<td>$28.50 M</td>
<td>$34.26 M</td>
<td>$35 M</td>
</tr>
<tr>
<td></td>
<td>FY 2015</td>
<td>207,029</td>
<td>217,380</td>
<td>127,438</td>
<td>133,810</td>
<td></td>
</tr>
</tbody>
</table>

Sources: \(^1\) NPRP Business Office; \(^2\) Legislative Budget Board Annual Performance Measure Report.

Notes: \(^\text{a}\) Discretionary Medical Record Number (IMRN) count; \(^\text{b}\) Increase over FY 2018 Outcome.

<table>
<thead>
<tr>
<th>Objective 4.2 Develop and enhance programs that promote health education</th>
<th>Outcome</th>
<th>Outcome</th>
<th>Target</th>
<th>Outcome</th>
<th>Outcome</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Residency Sponsoring Institutions</td>
<td>CY 2015</td>
<td>UMC - 1</td>
<td>CY 2016</td>
<td>UMC - 1</td>
<td>CY 2017</td>
<td>UMC - 1</td>
</tr>
<tr>
<td>Degree, Certificate and GME Affiliation Agreements with Health Care Providers(^1)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Target not set</td>
</tr>
<tr>
<td>Number of Students Participating in Global Health Initiatives Abroad(^2)</td>
<td>9</td>
<td>6</td>
<td>10</td>
<td>5</td>
<td>10</td>
<td>Target not set</td>
</tr>
</tbody>
</table>

Source: \(^1\) Affiliation Agreements from TTUHSC Contracts Department; FY 2018; \(^2\) Office of Diversity, Inclusion, and Global Health.

<table>
<thead>
<tr>
<th>Objective 4.3 Enrich engagement across the El Paso community</th>
<th>Outcome</th>
<th>Outcome</th>
<th>Target</th>
<th>Outcome</th>
<th>Outcome</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of participants in AHEC-sponsored events(^1)</td>
<td>CY 2015</td>
<td>10,283</td>
<td>CY 2016</td>
<td>13,537</td>
<td>CY 2017</td>
<td>13,000</td>
</tr>
<tr>
<td>Total Number of participants in PLFSOM Admissions-sponsored outreach events (K-16)(^1)</td>
<td>5,651</td>
<td>10,922</td>
<td>10,000</td>
<td>19,063</td>
<td>9,000</td>
<td>9,199</td>
</tr>
</tbody>
</table>

Sources: \(^\text{a}\) Desert Mountain Area Health Education Center (AHEC); \(^\text{b}\) PLFSOM Office of Admission.
<table>
<thead>
<tr>
<th>Responsiveness</th>
<th>Institutional Mission Statement</th>
<th>TTUHSC El Paso Institutional Strategic Plan 2015-2020</th>
<th>Engagement Survey Participants: Faculty &amp; Staff Summative Findings (First administration: April 2019)</th>
<th>Focus Group Participants: Community Partner Emergent Themes</th>
<th>Broader Impacts</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responnsively</td>
<td>Improve the lives of people our state and community.</td>
<td>Goal: Improve community health through the provision of patient care services and health-related education.</td>
<td>Utilized ITU Raiders Engaged Survey (derived form OEMI) Definition of CE shared 15% response rate (n=772) Faculty 25%/Staff 77%</td>
<td>Fragile connections desired for leadership El Paso is a medical desert</td>
<td>Goal: Excellence in Community Engagement and Outreach</td>
<td>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</td>
</tr>
<tr>
<td>Respect for Partners</td>
<td>Focus on the unique health care needs of socially and culturally diverse border populations</td>
<td></td>
<td></td>
<td>Moving through a fog Partners make us stronger</td>
<td>Objective: Increase engagement with El Paso community</td>
<td># of formalized partnerships with community clinics, organizations # of students, faculty and staff working in formal partnerships # of patients or community members receiving partnership services</td>
</tr>
<tr>
<td>Academic neutrality</td>
<td>Excellence in research</td>
<td>Objective: Enrich engagement across the El Paso community</td>
<td>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)</td>
<td>IWA</td>
<td># of collaborative research projects funded # of licensing agreements and patents filed for health related initiatives Human clinical trials</td>
<td>NH AUTM APLU-CEEP, 2014</td>
</tr>
<tr>
<td>Integration</td>
<td>Excellence in integrated education</td>
<td></td>
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<tr>
<td>Coordination</td>
<td></td>
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<td></td>
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<tr>
<td>Resource partnerships</td>
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</tbody>
</table>
Group Activity

- Start filling in matrix (10 minutes)
- Review/discuss with table partners (10 minutes)
- Report out (10 minutes)
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2019 Commencement Video

Jake Wilson, M.D.
Graduate May 2019
Thank You!

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