

HEALTH SCIENCE CENTER
TEXAS A & M UNIVERSITY

Invited Testimony for House County Affairs Committee: Responding to Texas' Healthcare Workforce Needs

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Texas A&M Health Science Center is a Rapidly Evolving Institution

- 1976** College of Medicine formed under Texas A&M University
- 1986** Institute for Biosciences and Technology (IBT) established in the TMC to foster creative research related to medicine, agriculture, animal sciences and engineering.
- 1995** Formation of the School of Rural Public Health
Baylor College of Dentistry joins Texas A&M System
- 1996** Formation of the “Health Science Center” consisting of:
College of Medicine, Graduate School, Affiliated Hospitals, IBT
- 1999** HSC separated into independent administrative structure within the Texas A&M System
- 2006** Formation of the Irma Lerma Rangel College of Pharmacy
- 2008** Establishment of the College of Nursing



Texas Suffers an Extreme Shortage of Health Care Professionals

- Texas ranks **41st** in the U.S. in numbers of active patient care physicians, and **47th** in the number of active primary care physicians
- Texas ranks **43rd** in the number of registered nurses. Demand for full-time registered nurses in Texas exceeds supply by 22,000 and this is projected to widen to 70,000 by 2020
- Texas lags behind the national average of pharmacists per person, at 1 per 1,238 patients vs. 1 per 1,204. In South Texas, it is 1:1,346.
- Texas ranks **44th** in the number of dentists per 10,000 population
- Nearly 85% of the public health workforce in Texas has no formal, professional public health training

Texas A&M HSC

A Comprehensive Academic Health Center

Medicine



Pharmacy



Nursing



Dentistry



Public Health



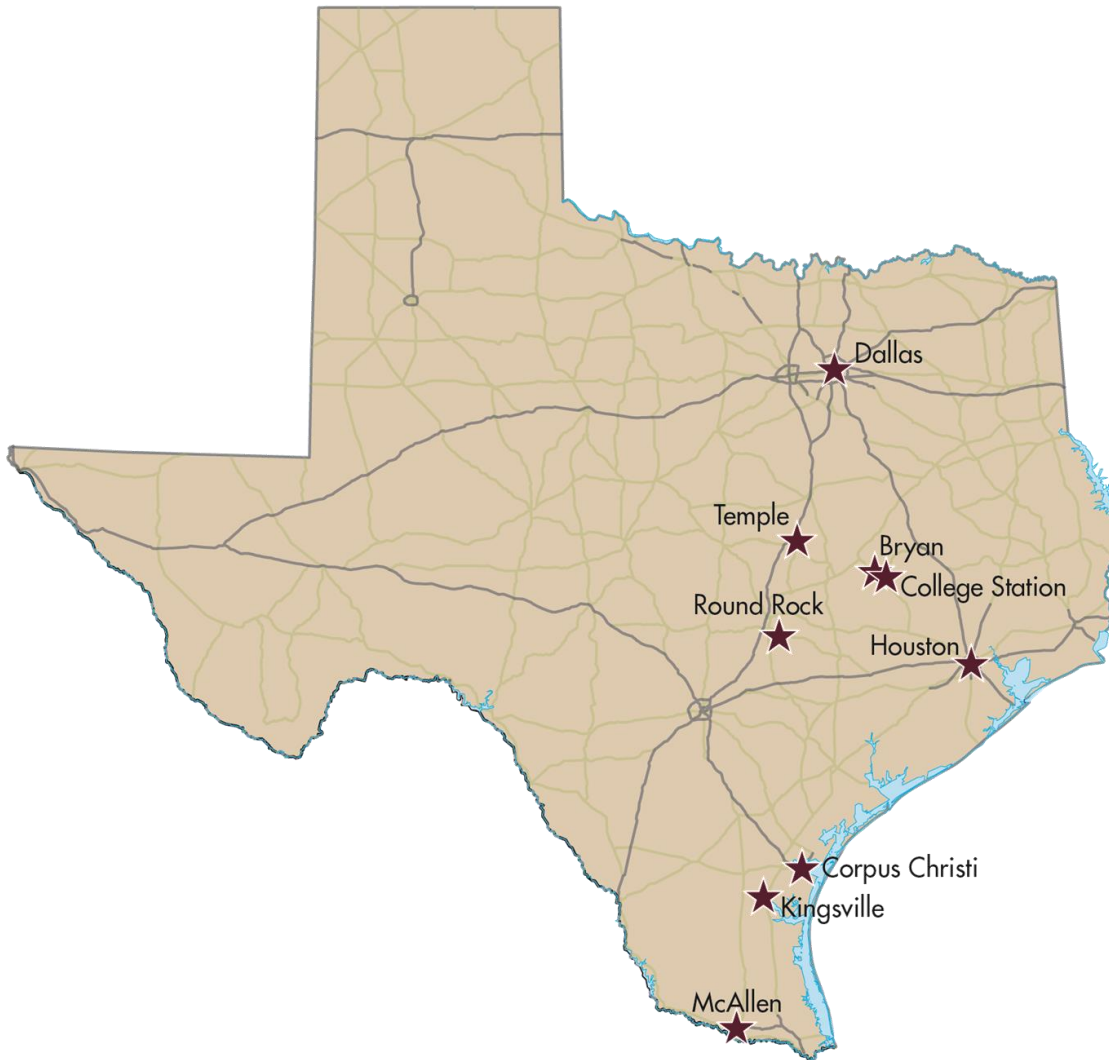
IBT



HEALTH SCIENCE CENTER
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TAMHSC Geographical Distribution

Eight campuses serving diverse regions of the state



DALLAS

- Dentistry
- Medicine

BRYAN-COLLEGE STATION

- Medicine
- Nursing
- Public Health
- Pharmacy

HOUSTON

- IBT
- Medicine
- Public Health

TEMPLE

- Medicine
- Public Health

ROUND ROCK

- Medicine
- Nursing
- Pharmacy

KINGSVILLE

- Pharmacy

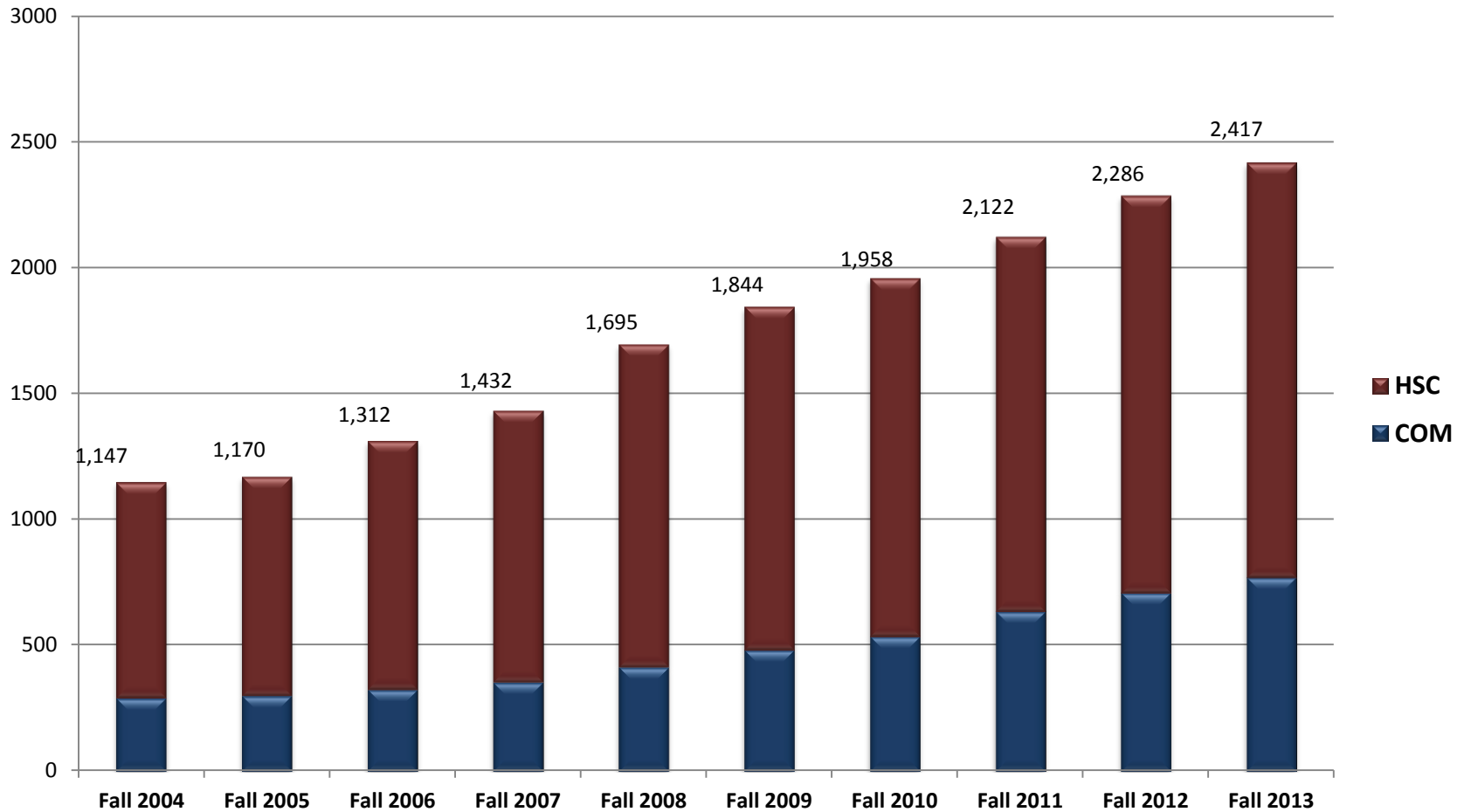
CORPUS CHRISTI / MCALLEN

- Medicine
- Nursing
- Public Health
- Pharmacy



Ten-Year Enrollment

Texas A&M HSC is Rapidly Expanding



Texas A&M HSC: 2013 Facts and Figures



■ FALL 2013 ENROLLMENT	2,417
■ FACULTY	512
■ CLINICAL FACULTY	1,259
■ STAFF	977

■ DEGREES AWARDED	626
■ RESEARCH EXPENDITURES	>\$75 million
■ EXPENDITURES (FY'13)	>\$212 million

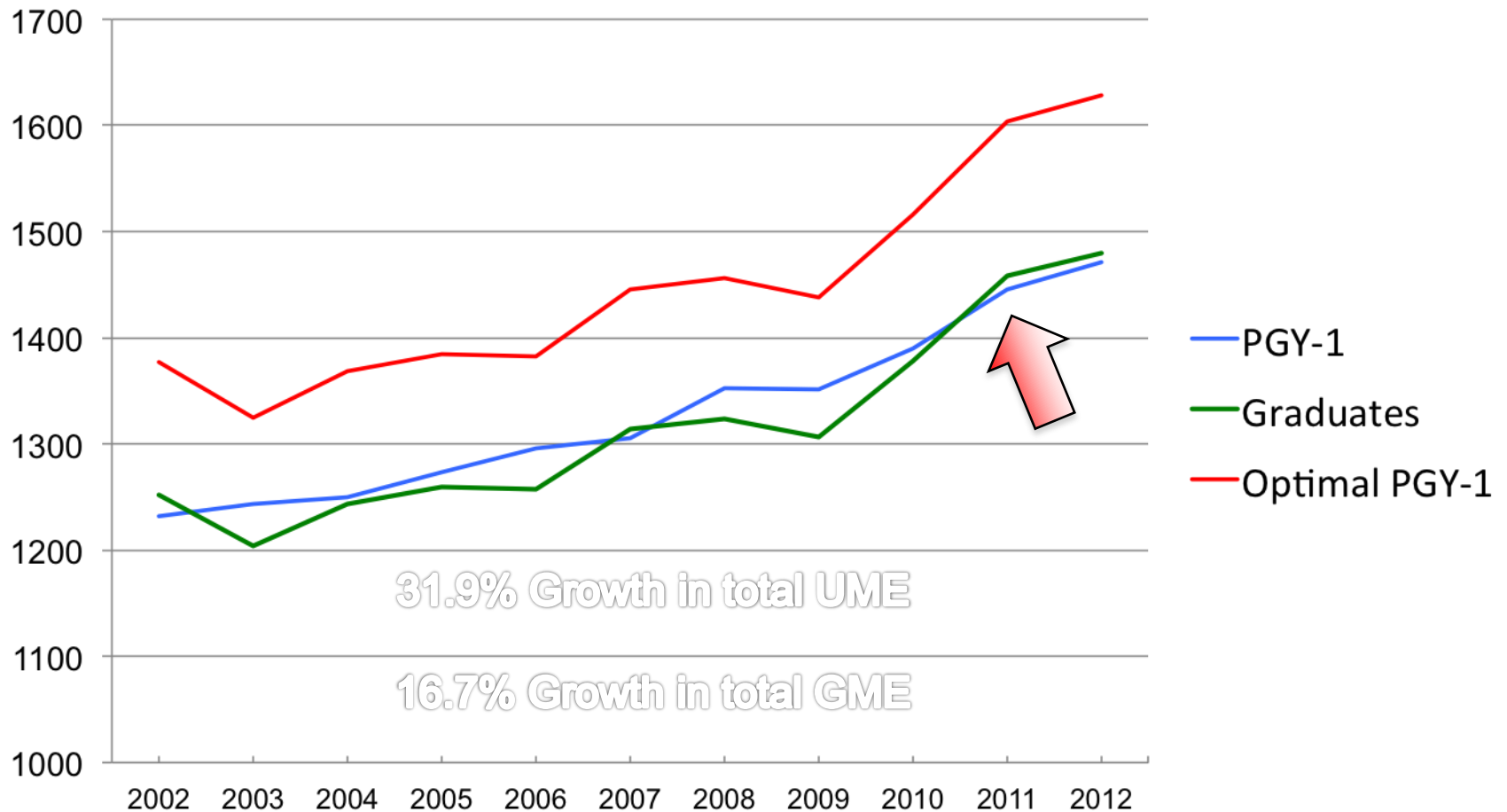
Diversity:

- Dental School ranks #1 nationally for underrepresented minority students at 42%
- Pharmacy ranked #1 or #2 nationally the last 3 years for Hispanic graduates at 38%
- Medicine ranks in the top 15% nationally for Hispanic student enrollment
- Medicine ranks in the top 22% nationally for underrepresented minority faculty



Medical Residency (GME) Shortage:

Graduating Medical Students v. Entering GME Slots



College of Medicine: GME Partnerships

Killeen

Darnall Army Medical Center

- Family Medicine program
- Emergency Medicine program

Lufkin

Memorial Health System of East Texas

- Family Medicine program

Temple

Baylor Scott & White Healthcare & Central Texas Veteran's Health System

- 40 Residency and fellowship programs

Bryan-College Station

St. Joseph Regional Health Center

Family Medicine program

Houston Memorial Hermann Hospital Sugar Land

Family Medicine program

Round Rock

- Preventive Medicine program

Victoria

DeTar Healthcare System

- Family Medicine program

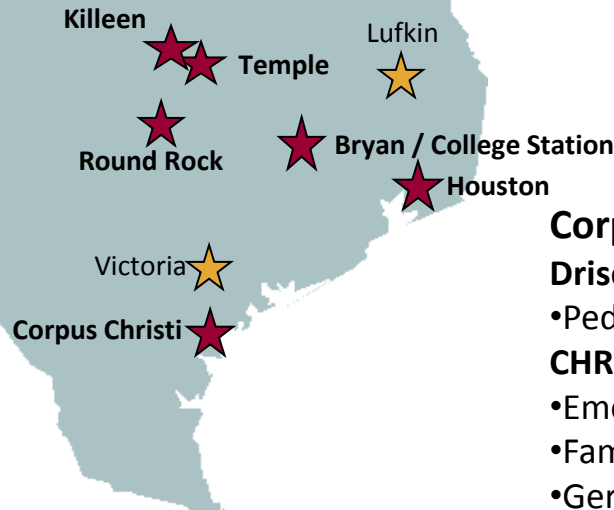
Corpus Christi

Driscoll Children's Hospital

- Pediatrics program

CHRISTUS Spohn Health System

- Emergency Medicine program
- Family Medicine program
- Geriatrics Fellowship program



Texas A&M Baylor College of Dentistry

Located in Dallas, the A&M Baylor College of dentistry is the most diverse dental school in the country with 42 percent underrepresented minority students.



- Current enrollment: 417 DDS students, 59 Bachelor's in dental hygiene, and 107 graduate students (master's and PhD in biomedical sciences).
- A new clinical education facility is needed to increase enrollment growth of 50%, from 100 to 150 per class to meet the need for more dentists in Texas.

TAMHSC New and Expanded Programs

**Public Health Expansion
McAllen, Houston**



**Pharmacy Expansion
College Station**



**Nurse Practitioner, Forensic Nursing
Programs**



**Novel Science – Rejuvenation,
Cancer Prevention, Infections**



School of Public Health:

Increasing the Expertise of the PH Workforce

- Originally named the School of Rural Public Health and created by the Texas Legislature in 1998
- Dropped “rural” in reflection of growing role in promoting health in rural, urban, global settings.
- Creation of a new Bachelor’s of Science in Public Health (Fall 2014, College Station and McAllen)
- New Master’s of Public Health (M.P.H) and Executive Master’s in Healthcare Administration (MHA) programs starting in 2015 (Houston)

Rangel College of Pharmacy



- First professional school in South Texas
- Since 2010 we have added 309 pharmacists to the workforce – 60% practice in medically underserved areas and 40% practice in South Texas.
- Youngest pharmacy school to be ranked in the top 50 in the country by U.S. News and World Report.

Secondary Campus College Station

- Expands the class size from 100 to 130 students and greatly expands the capability to produce pharmacists for the State of Texas.
- Addresses the growing need for pharmacists in Texas with their ever increasing role in primary care.
- Enhances research and educational opportunities for faculty and students
- Provides opportunities for research collaboration and innovation by pharmacists and pharmaceutical researchers in College Station and Kingsville

College of Nursing: Created in 2008

NURSING SHORTAGE

- *1.2 million new RN positions will need to be filled by 2020*
- *This is a 26% increase to the current RN workforce*

TEXAS ENROLLMENTS

- *Increase in 2012 from 2011 (22,492 vs 17,926)*
- *Qualified Students Turned Away in Texas: 5366 in 2012*
- *Reasons for qualified students not admitted:*
 - *Insufficient number of faculty*
 - *Lack of clinical sites*
 - *Insufficient clinical preceptors*

PROGRAMS TO INCREASE FACULTY

- MSN Ed. 14

NEW PROGRAMS

- Select Program (Sept. 2014) 10
- MSN FNP (Jan. 2015) 20
- RN to MSN (June 2014) 20

CURRENT ENROLLMENT

- Traditional program 52
- Second Degree 42
- RN to BSN (June) 50
- RN to BSN (Jan.) 20

Sincerest Thanks for Your Support

