

Development of a Family Medicine Rural Training Track in North East Texas

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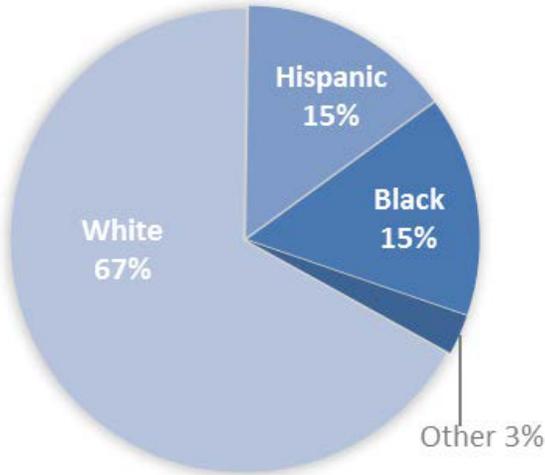
April 2021

The Texas Giant

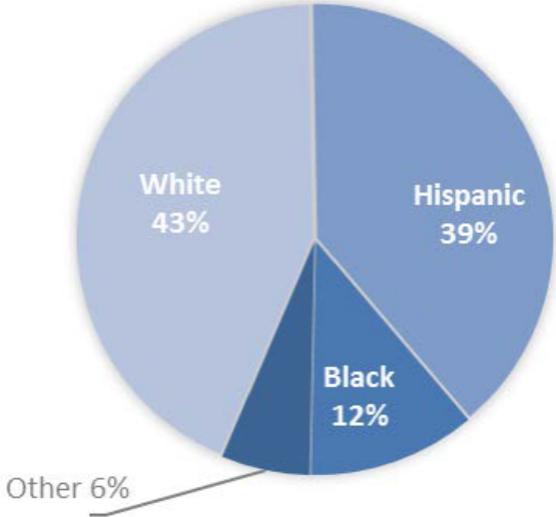
- Tallest Wooden Roller Coaster
- Opened 1990
- Six Flags over Texas



Population percentages of NET compared to Texas



NET



Texas

Geographic and Demographic Status of NET



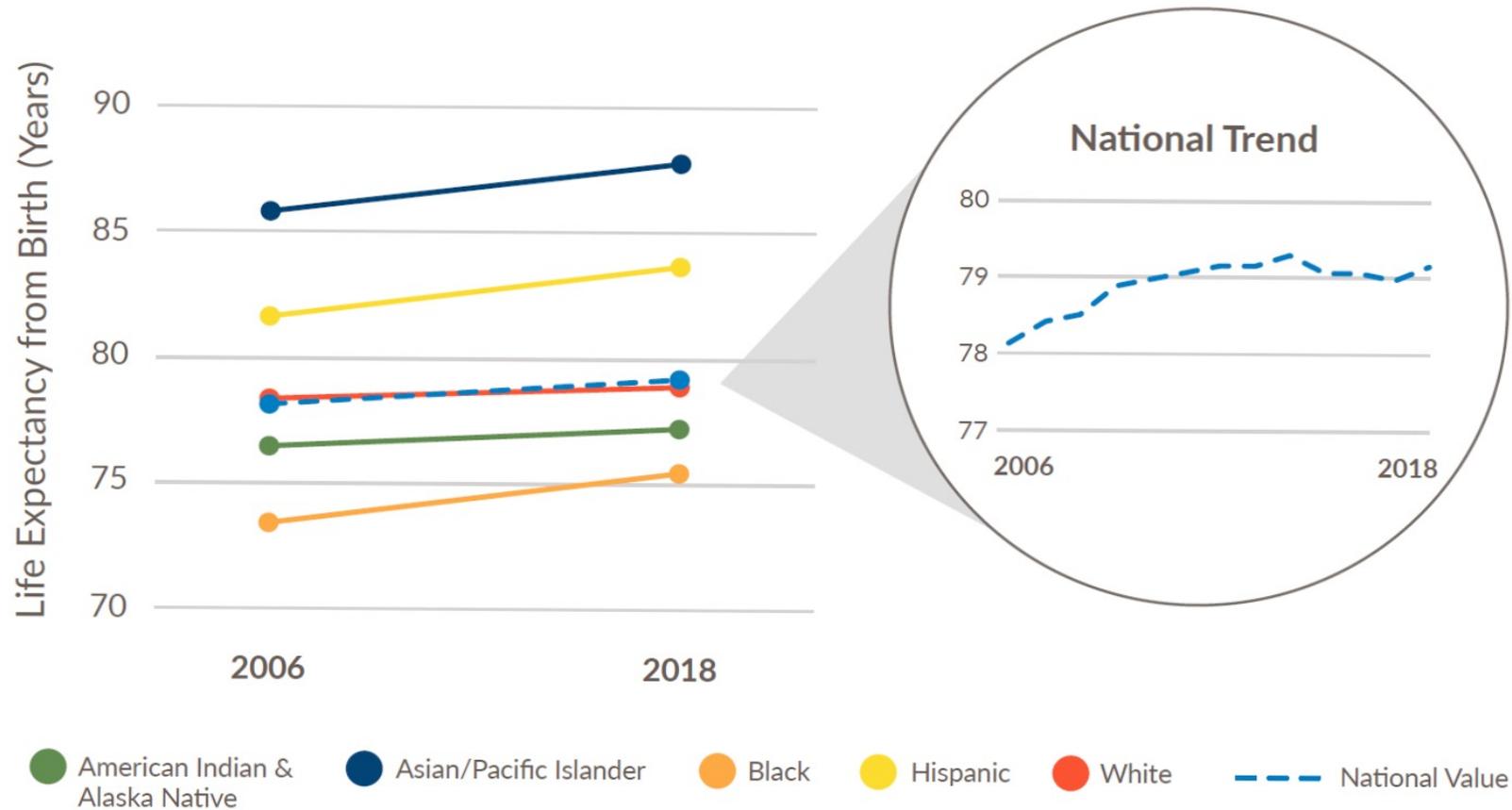
	NET	Texas
Land (sq miles)	25,328	268,596
Population	1,517,767	26,448,193
% Living Rural	55	16
Gender (male)	50.2%	49.7%
Median Age	39	34

Socioeconomics of NET



	NET	Texas	National
Income < 200% of poverty	43%	32%	35%
Bachelors Degree	17%	27%	29%
Yearly Household Income	\$40 K	\$52 K	\$68 K

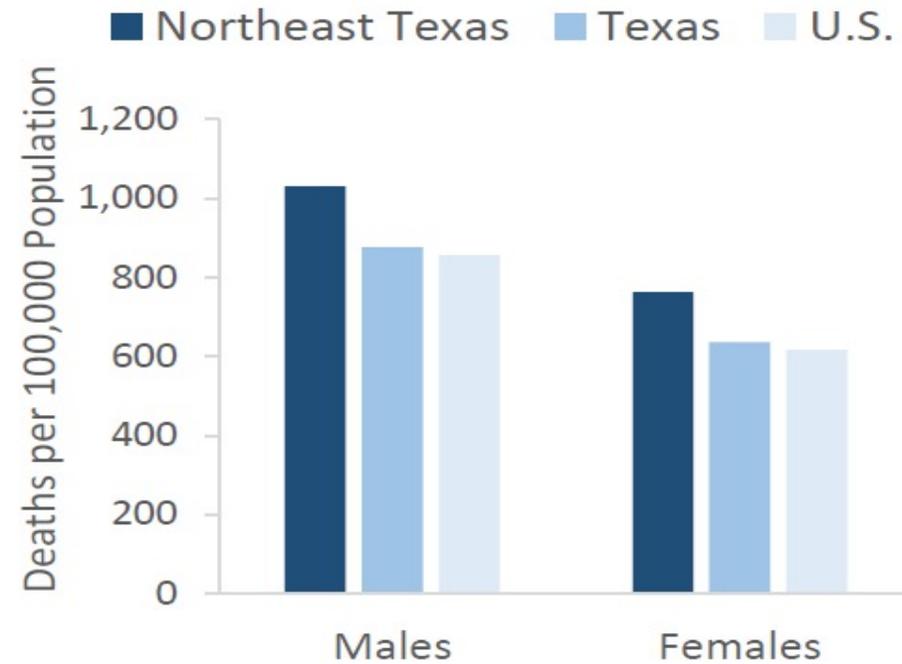
National Trends in Life Expectancy and Gaps Among Racial & Ethnic Groups (Rankings 2010 to 2020)



Mortality Rates

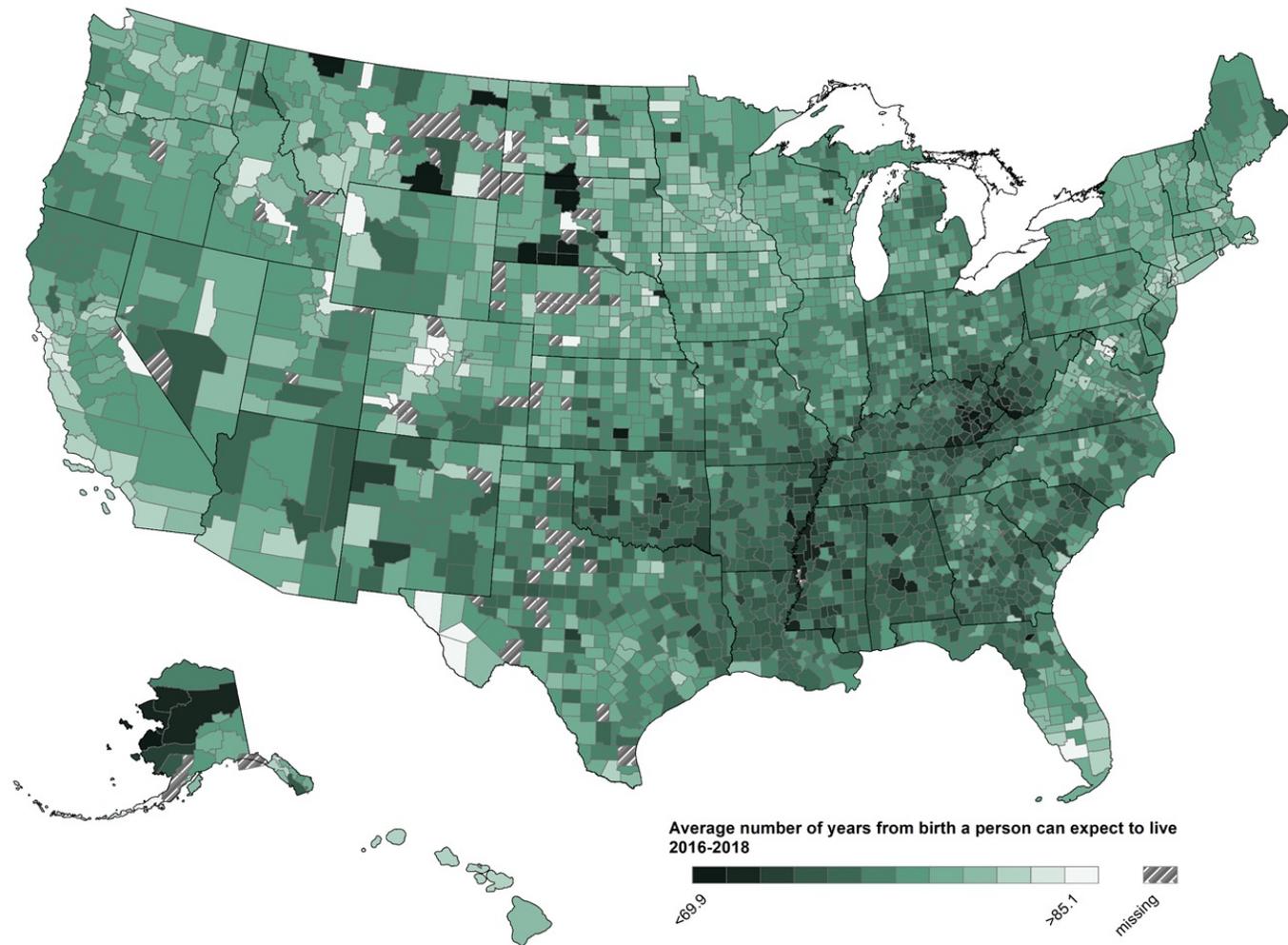


Figure 5. Age-Adjusted All-Cause Mortality Rates by Gender: Northeast Texas, Texas and U.S. (2014)

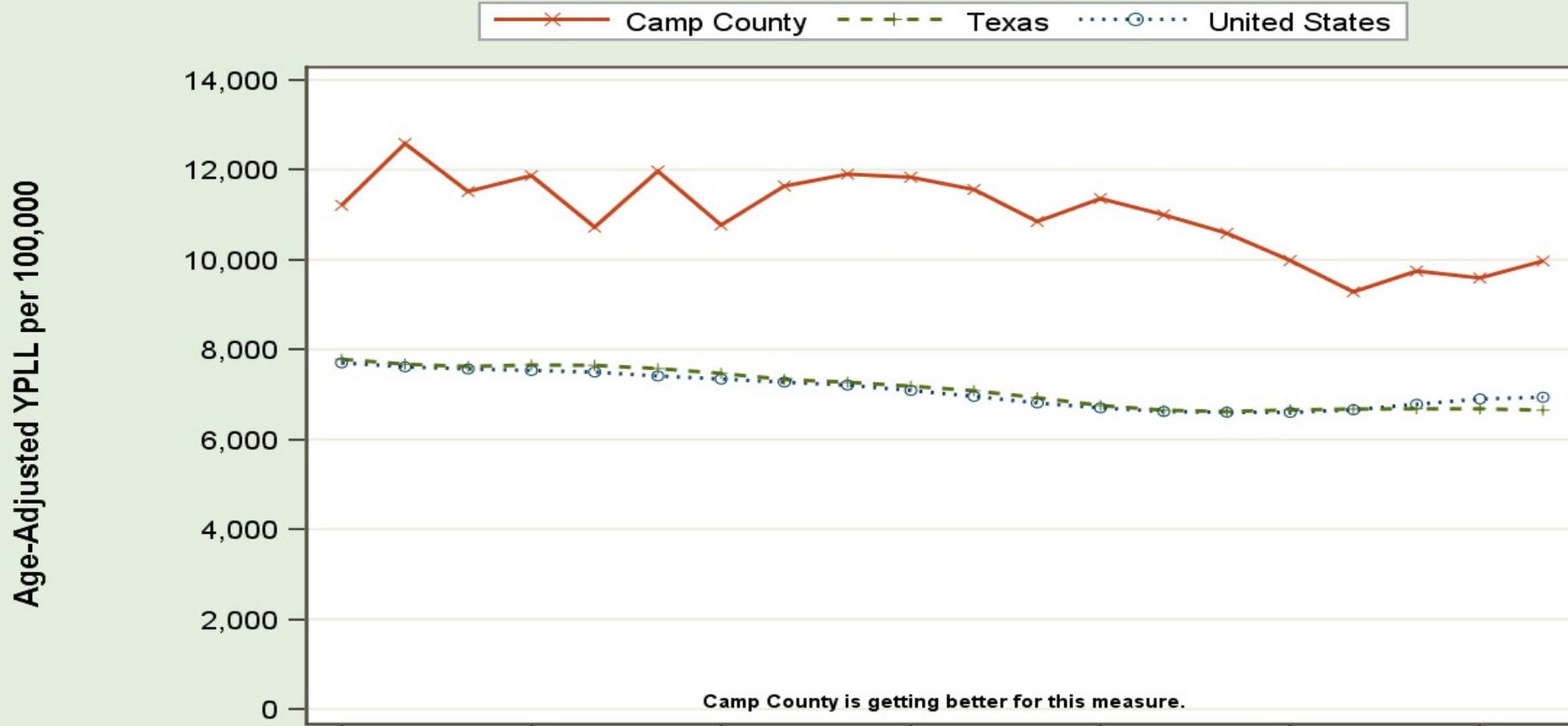


Data source: National Center for Health Statistics on CDC WONDER database.

Life Expectancy Among U.S. Counties (Rankings 2020)



Premature death in Camp County, TX Years of Potential Life Lost (YPLL): County, State and National Trends



3-year Average	1997-1999	2000-2002	2003-2005	2006-2008	2009-2011	2012-2014	2015-2017													
United States	7,705	7,615	7,569	7,535	7,499	7,411	7,345	7,275	7,209	7,090	6,959	6,811	6,704	6,622	6,605	6,601	6,658	6,783	6,901	6,940
Texas	7,784	7,674	7,623	7,657	7,649	7,576	7,470	7,334	7,273	7,185	7,085	6,928	6,756	6,650	6,620	6,657	6,675	6,681	6,681	6,651
Camp County	11,211	12,583	11,517	11,869	10,723	11,970	10,769	11,637	11,903	11,834	11,560	10,848	11,358	10,998	10,587	9,981	9,283	9,746	9,591	9,970

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.



Premature death in Morris County, TX Years of Potential Life Lost (YPLL): County, State and National Trends



No significant trend was found in Morris County for this measure.

3-year Average	1997-1999	2000-2002	2003-2005	2006-2008	2009-2011	2012-2014	2015-2017
United States	7,705	7,615	7,569	7,535	7,499	7,411	7,345
Texas	7,784	7,674	7,623	7,657	7,649	7,576	7,470
Morris County	9,197	9,942	11,624	12,792	14,154	12,588	13,496

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.



The Need for Family Medicine in Northeast Texas (NET)



- **DISEASE BURDEN** in NET is higher than in Texas for:
 - HEART DISEASE
 - STROKE
 - CANCER-Lung, Colorectal, Melanoma
 - CHRONIC KIDNEY DISEASE
 - COPD
 - TYPE 2 DIABETES MELLITUS
 - OBESITY
 - HYPERTENSION
 - STROKE
 - HYPERLIPIDEMIA
 - MYOCARDIAL INFARCTION
 - SUICIDE

Appeal of Northeast Texas



Appeal of Northeast Texas

- Three ecoregions
 - Piney Woods
 - Post Oak Savannah
 - Blackland Praire



Appeal of Northeast Texas

- Lakes
 - Cypress Springs
 - Bob Sandlin



Appeal of Northeast Texas

- Kayaking
- Boating
- Fishing
- Hiking



Appeal of Northeast Texas

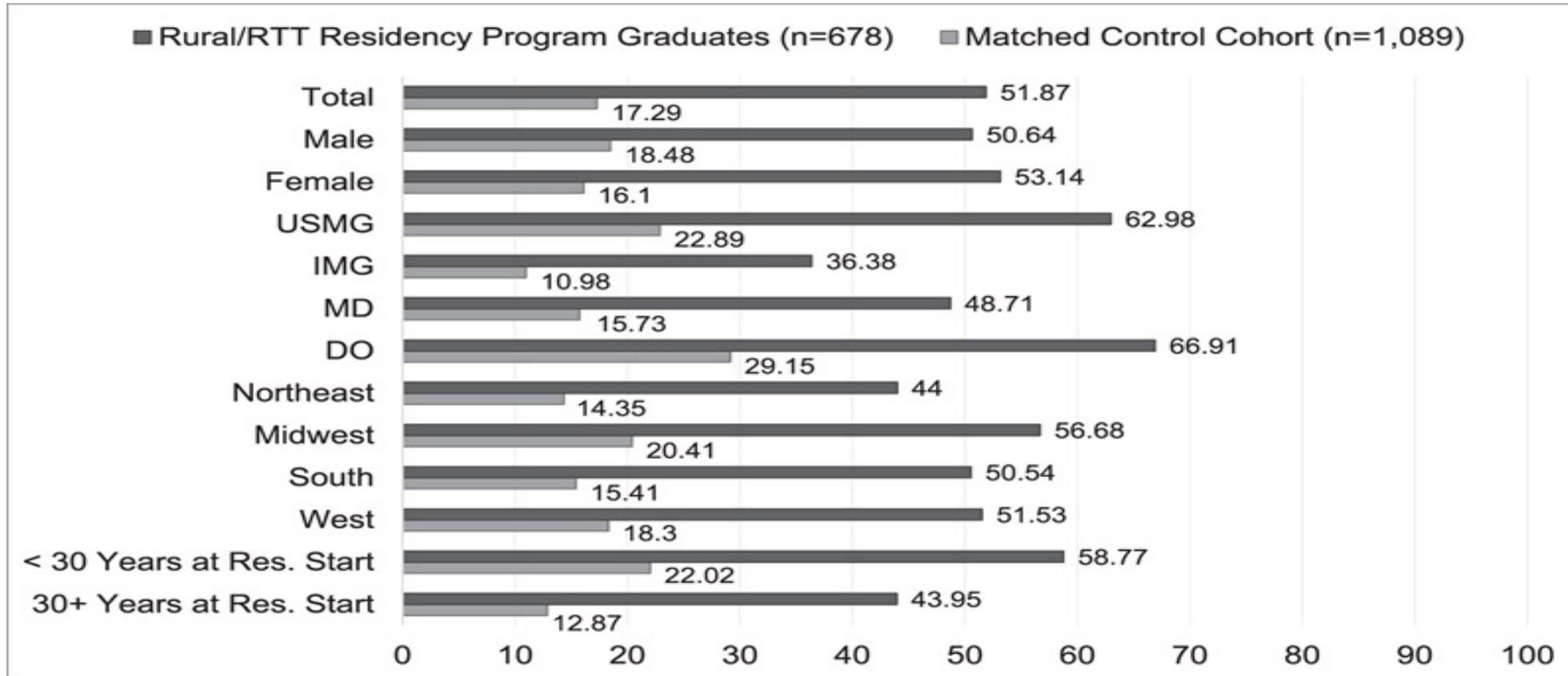
- Hunting
 - White Tail Deer
 - Wild hogs
 - Ducks
 - Dove



Comparative Workforce Contributions	Rural/RTT	Matched
Number of graduates	682	1109
Total rural workforce years	2599	1460
Total practice years	5019	8111
Average practice years	7.36	7.31
Share of practice years in rural environment	52%	18%
Average rural workforce years per graduate	3.81	1.32
Graduates needed to meet rural workforce contribution of 1 rural/RTT graduate	1	2.89

From: **Rural Workforce Years: Quantifying the Rural Workforce Contribution of Family Medicine Residency Graduates** J Grad Med Educ. 2020;12(6):717-726. doi:10.4300/JGME-D-20-00122.1

Average Percent of Total Practice Years That are Rural Workforce Years



From: **Rural Workforce Years: Quantifying the Rural Workforce Contribution of Family Medicine Residency Graduates** J Grad Med Educ. 2020;12(6):717-726. doi:10.4300/JGME-D-20-00122.1

History of University of Texas Health Science Center, Tyler



- 1977 UT purchased East Texas Chest Hospital
- 1980 Acute care hospital opened
- 1981 Region's first heart catheterization performed
- 1985 Family Medicine Residency opened,
now 8-8-8
- 1987 71,000 sq ft Center for Biomedical Research completed
- 1994 Occupational Medicine Residency opened



Biomedical Research Center

History of University of Texas Health Science Center, Tyler



- 2009 Academic Center opened
- 2016 Rural Family Medicine Residency opened
- 2016 MD Anderson Cancer center extension opened
- 2018 UTHSCT and Ardent Health formed **UT Health East Texas**
 - 10 hospitals/52 clinics
 - 2 of the 10 hospitals are Critical Access
- 2019 School of Community and Rural Health opened



Growth of Graduate Medical Education – UTHSC, Tyler



- Occupational Medicine, Tyler 2-2-2
- Internal Medicine, Longview-10-10-10
- Rural Family Medicine, Pittsburg 2-2-2
- Internal Medicine, Tyler 20-20-20
- Family Medicine, Athens 4-4-4
- Emergency Medicine (p)
- Anesthesiology (p)
- Preventive Medicine (p)



Birth of the Rural Family Medicine Residency Program in NET



- 2013-2014 Session of the Texas Legislature approved grant funding for rural GME programs
- 2015 Hopkins County Hospital, Sulphur Springs awarded development grant
- 2015 Program application started
- 2016 ACGME Program accreditation granted
- July 2016 Two off-cycle residents enrolled with advanced credit
- Nov 2016 Rural hospital sponsor transferred management to a large Health Care System
- 2018 relocated the FMP to UT Health Pittsburg

Birth of the Rural Family Medicine Residency Program in NET



- New home the Critical Access Hospital in Pittsburg, Texas
 - Town of 4500
 - Underserved region of Texas
- Challenges
 - Local physicians with little or no GME experience
 - Hospital and clinic staff unfamiliar with Residency Training and Residents
 - Limited specialty rotations available in Pittsburg

RTT Structure



- Academic Sponsor - University of Texas Health Science Center, Tyler
- Rural sponsor - UT Health Pittsburg
- 2-2-2 Complement
- PGY 1 centered in Tyler
- PGY 2,3 centered in Pittsburg

Rural Residency Rotations PGY 1

Tyler

- Cardiology
- Critical Care
- Dermatology
- Inpatient medicine
- Obstetrics
- Pediatric Inpatient and Emergency
- Rheumatology
- Sports Medicine
- Trauma Surgery



Rural Residency Rotations PGY 2, 3

Pittsburg



- UT Health Pittsburg Critical Access Hospital
 - Inpatient medicine-adult and pediatric
 - Emergency medicine
 - Family medicine continuity clinic
 - Geriatrics
 - Sports medicine
- Mount Pleasant Titus Regional Hospital
 - Pediatrics
 - ENT
 - Cardiology
 - General surgery
 - Hematology
 - Orthopedics



Future

Rural Psychiatry Program July 2021

Medical School July 2023

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References



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Texas Giant
Refurbished 2009