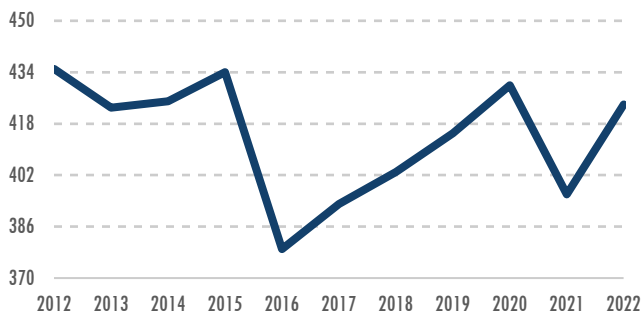


### Medical Physicists Growth Trends

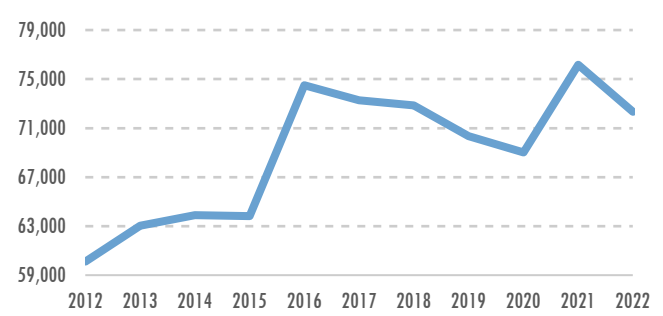
This fact sheet is an overview of the trends, distribution, and demographics of medical physicists in Texas. In 2022, there were 424 actively licensed medical physicists in Texas.

- This number represented a 7.9% increase since 2017 and a 2.5% decrease since 2012 (Figure 1).
- The ratio of the Texas population per one medical physicist in 2012 was 60,107:1 and in 2022 it was 72,329:1. The ratio of population to medical physicist has increased by 20.3% (Figure 2).<sup>1</sup>

**Figure 1. Total Texas Medical Physicists**

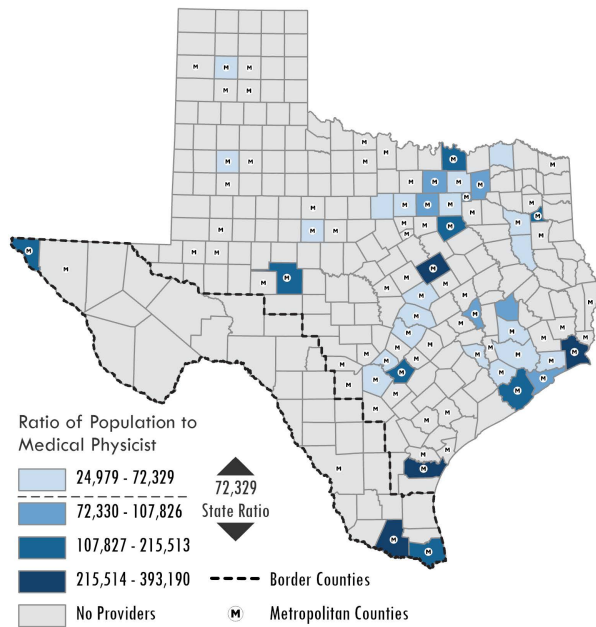


**Figure 2. Ratio of Texas Population to Medical Physicist<sup>1</sup>**



### Geographic Distribution of Medical Physicists

**Figure 3. Ratio of Texas Population to Medical Physicist by County<sup>1</sup>**



**Table 1. Ratio of Texas Population to Medical Physicist by Geographic Designation<sup>1</sup>**

Geographic Designation	Ratio of Population to Medical Physicist
Metropolitan	65,693:1
Non-metropolitan	628,430:1
Border	262,116:1
Non-border	67,274:1
Texas	72,329:1

- The ratio of the Texas population to one medical physicist was higher in non-metropolitan counties compared to metropolitan counties.
- The ratio of the Texas population to one medical physicist was higher in border counties compared to non-border counties.
- 215 counties had no medical physicists (Figure 3).

<sup>1</sup> Population numbers are sourced from the Texas Demographic Center (previously the Texas State Data Center). The center regularly updates the demographic projections therefore, population numbers for a particular year may differ depending on the date the data was retrieved.

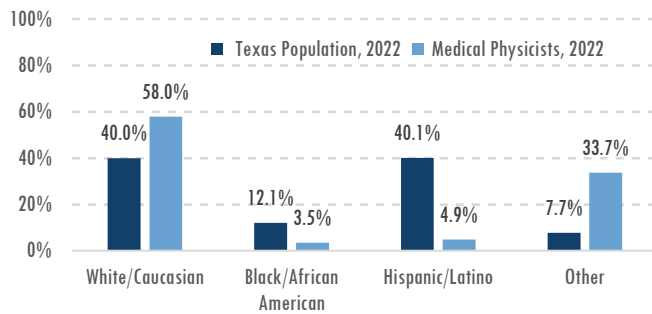


## Demographics of Medical Physicists

### Race/Ethnicity

Black/African American and Hispanic/Latino medical physicists were underrepresented when compared to the Texas population (Figure 4).<sup>2</sup> Race/ethnicity data were available for 371 of 424 medical physicists (87.5%).

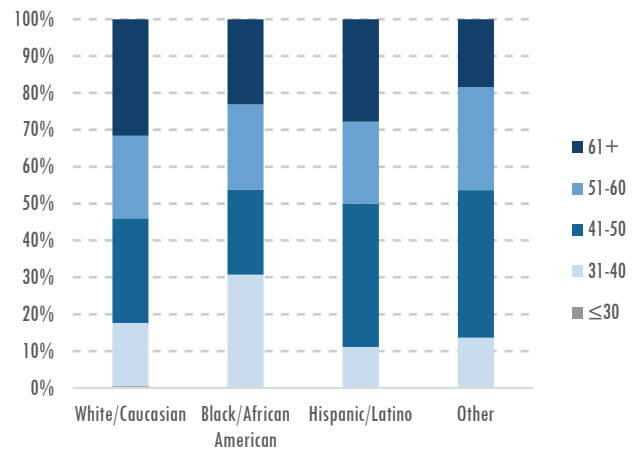
**Figure 4. Race/Ethnicity of Texas Population and Medical Physicists<sup>2</sup>**



### Age Distribution by Race/Ethnicity

- 31.6% of White/Caucasian medical physicists were 61 years of age or over, while 17.7% were aged 40 years or under (Figure 5).
- 23.1% of Black/African American medical physicists were between 41 and 50 years of age, and 30.8% were aged 40 years or under (Figure 5).
- 38.9% of Hispanic/Latino medical physicists were between 41 and 50 years of age, and 11.1% were aged 40 years or under (Figure 5).

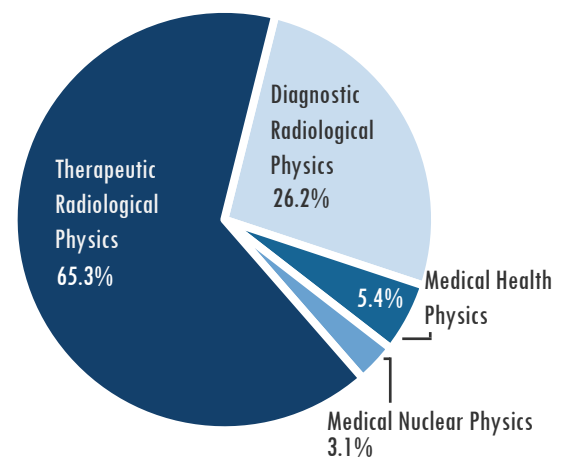
**Figure 5. Age Distribution of Medical Physicists by Race/Ethnicity**



## Employment Characteristics of Medical Physicists

- As seen in Figure 6, 65.3% of medical physicists worked in therapeutic radiological physics.
- This was followed by 26.2% of medical physicists working in diagnostic radiological physics, 5.4% working in medical health physics, and 3.1% working in medical nuclear physics.
- Primary practice setting data were available for 330 of 424 medical physicists (77.8%).

**Figure 6. Primary Practice Setting of Medical Physicists**

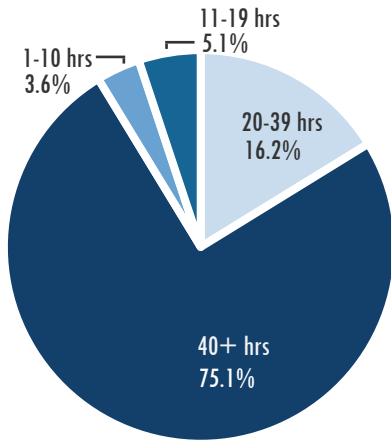


<sup>2</sup> Population numbers are sourced from the Texas Demographic Center (previously the Texas State Data Center). The center regularly updates the demographic projections therefore, population numbers for a particular year may differ depending on the date the data was retrieved.



- As seen in Figure 7, 75.1% of medical physicists reported practicing for 40 or more hours.
- Primary practice hours data were available for 333 of 424 medical physicists (78.5%).
- The top three primary specialties for medical physicists were hospital based (37.7%), partnership/group (13.0%) and medical school faculty (8.7%).
- Primary specialty data were available for all 424 medical physicists.

**Figure 7. Primary Practice Hours of Medical Physicists**



**Table 2. Primary Specialty of Medical Physicists**

Specialty	Number of Medical Physicists
Hospital Based	160
Partnership/Group	55
Medical School Faculty	37
Solo	34
Direct Medical	8
Military	4
Research	4
VA	3
PHS	2
HMO	1
Other	34
<b>Total</b>	<b>330</b>

