This update presents data for the 89[1] vocational nursing (VN) programs and the military-based VN program[1] in Texas during the 2018 reporting year, including:

- 83 generic programs
  - 64 in public colleges/universities
  - 12 in career schools/colleges
  - 4 in private colleges/universities
  - 3 in private/public hospitals
- 6 Multiple Entry/Exit Programs (MEEPs)
  - All in public colleges/universities

The Texas Center for Nursing Workforce Studies (TCNWS) collected data in the 2018 Board of Nursing's (BON) Nursing Education Program Information Survey (NEPIS) that was available online as of October 1, 2018. The reporting period was academic year (AY) 2017-2018 (September 1, 2017 – August 31, 2018) unless otherwise noted. TCNWS collaborated with the BON in the design and dissemination of the survey.

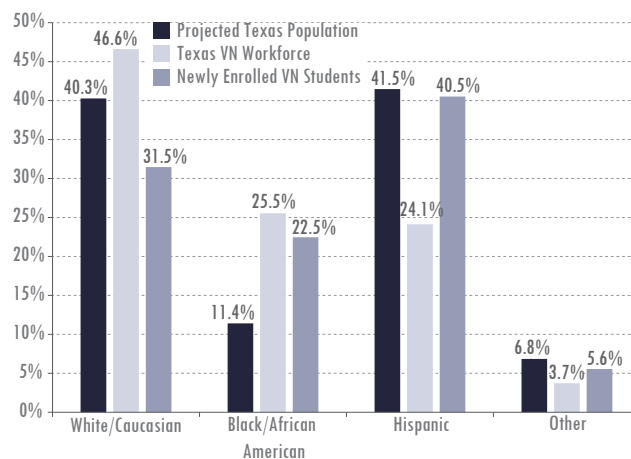[1]Data collected from the military-based VN program were analyzed separately.

Newly Enrolled Students in Vocational Nursing Programs

Race/Ethnicity

Figure 1 shows the racial/ethnic distribution of the newly enrolled VN students compared to the Texas VN workforce and the projected Texas population in 2018. Figure 2 (page 2) shows the racial/ethnic trends of newly enrolled VN students. Race/ethnicity data were missing for 2.9% of newly enrolled VN students.

- The proportion of white/Caucasian newly enrolled VN students in Texas (31.5%) was lower than the proportion of whites/Caucasians in the VN workforce (46.6%) and in the projected Texas resident population (40.3%).

- 22.5% of newly enrolled VN students were black/African American, which was approximately double the proportion in the Texas resident population (11.4%), but slightly lower than the Texas VN workforce (25.5%).

- The proportion of newly enrolled VN students (40.5%) who were Hispanic/Latino was higher than the proportion in the VN workforce (24.1%), but was similar to the proportion of Hispanics/Latinos in the projected Texas resident population (41.5%).

Figure 1. Race/Ethnicity of Newly Enrolled VN Students, Texas VN Workforce[2], and Texas Population[3], 2018
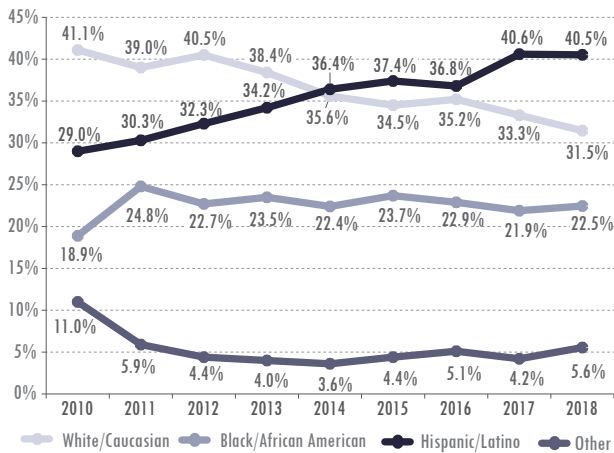

Sex

The newly enrolled VN student population was predominately female: 88.1% of newly enrolled VN students were female in AY 2017-2018. Gender data were missing for 0.6% of newly enrolled VN students.

[2]VN workforce data come from the 2018 BON Licensure Renewal file of actively practicing Texas vocational nurses.

[3]Texas population data come from the 2018 Texas State Data Center population projections (http://www.dshs.texas.gov/chs/popdat/ST2018.shtm).

Figure 2. Race/Ethnicity Trends of Newly Enrolled VN Students, 2010-2018

Legend: White/Caucasian — Black/African American — Hispanic/Latino — Other

White/Caucasian: 41.1% (2010), 39.0%, 40.5%, 38.4%, 36.4%, 34.5%, 35.2%, 33.3%, 31.5% (2018)
Hispanic/Latino: 29.0% (2010), 30.3%, 32.3%, 34.2%, 35.6%/36.4%, 37.4%, 36.8%, 40.6%, 40.5% (2018)
Black/African American: 18.9% (2010), 24.8%, 22.7%, 23.5%, 22.4%, 23.7%, 22.9%, 21.9%, 22.5% (2018)
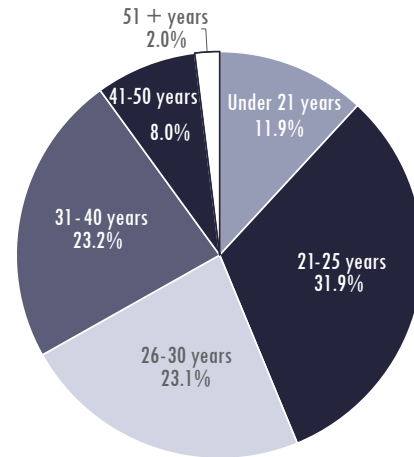Other: 11.0% (2010), 5.9%, 4.4%, 4.0%, 3.6%, 4.4%, 5.1%, 4.2%, 5.6% (2018)

Age

Figure 3 presents the breakdown of newly enrolled VN students by age. Age data were missing for 0.6% of newly enrolled VN students.

- The majority (66.8%) of newly enrolled VN students were 30 years or younger.
- 23.2% of newly enrolled students were between the ages of 31 and 40.

Figure 3. Age of Newly Enrolled Students, 2018

- 51 + years 2.0%
- 41-50 years 8.0%
- 31 - 40 years 23.2%
- 26-30 years 23.1%
- 21-25 years 31.9%
- Under 21 years 11.9%

- 10.0% of newly enrolled VN students were 41 years or older.

International Students

- Programs reported a total of 68 newly enrolled international students[4] (1.1% of all newly enrolled VN students).

[4]International was defined as a person who is not a citizen or permanent resident of the United States and who is in this country on a temporary basis and does not have the right to remain indefinitely.
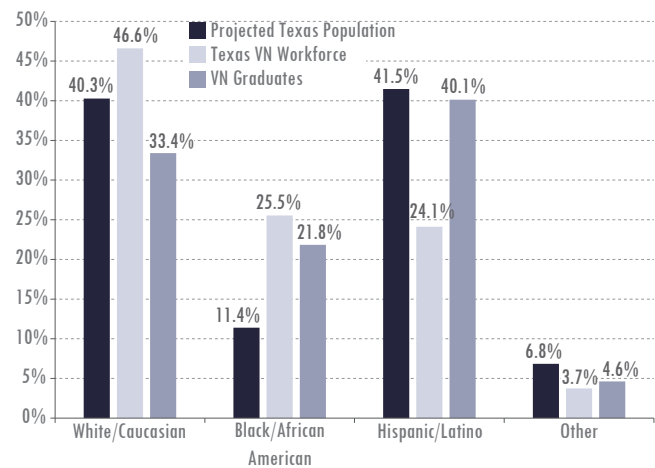
Graduates from Vocational Nursing Programs

Race/Ethnicity

Figure 4 shows the racial/ethnic distribution of VN graduates compared to the Texas VN workforce and the projected Texas resident population in 2018. Figure 5 (page 3) shows the racial/ethnic trends of VN graduates.

- The proportion of VN graduates (33.4%) who were white/Caucasian was lower than both the proportion in the VN workforce (46.6%) and in the projected Texas resident population (40.3%).

- The proportion of black/African American VN graduates (21.8%) was higher than the proportion of black/African American Texas residents (11.4%), but lower than the proportion of black/African American nurses in the VN workforce (25.5%).

- The proportion of VN graduates who were Hispanic/Latino (40.1%) was greater than the proportion in the Texas VN workforce (24.1%), and lower than the Texas resident population (41.5%).

Figure 4. Race/Ethnicity of VN Graduates, Texas VN Workforce[2], and Texas Population[3], 2018

Legend: Projected Texas Population, Texas VN Workforce, VN Graduates

- White/Caucasian: 40.3%, 46.6%, 33.4%
- Black/African American: 11.4%, 25.5%, 21.8%
- Hispanic/Latino: 41.5%, 24.1%, 40.1%
- Other: 6.8%, 3.7%, 4.6%

Sex

The graduates from VN programs were also predominately female (87.5%).

[2]VN workforce data come from the 2018 BON Licensure Renewal file of actively practicing Texas vocational nurses.

[3]Texas population data come from the 2018 Texas State Data Center population projections (http://www.dshs.texas.gov/chs/popdat/ST2018.shtm).

Figure 5. Race/Ethnicity Trends of VN Graduates, 2010-2018

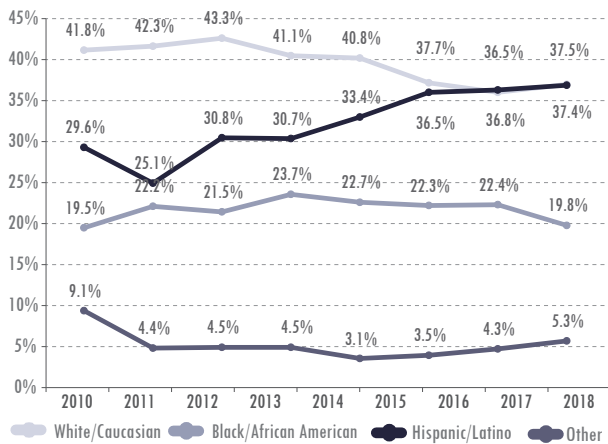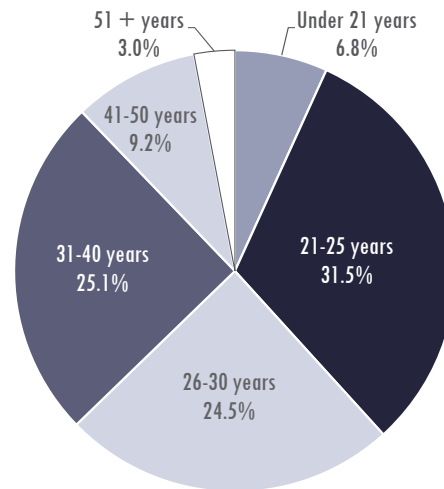Legend: White/Caucasian, Black/African American, Hispanic/Latino, Other

Figure 6. Age of VN Graduates, 2018

Age

Figure 6 illustrates VN graduates by age.

- The majority (62.7%) of VN graduates were 30 years or younger.
- 12.2% of VN graduates were aged 41 and older.

International Graduates

- Programs reported a total of 35 international graduates[4] (0.8% of all VN graduates).

[4]International was defined as a person who is not a citizen or permanent resident of the United States and who is in this country on a temporary basis and does not have the right to remain indefinitely.
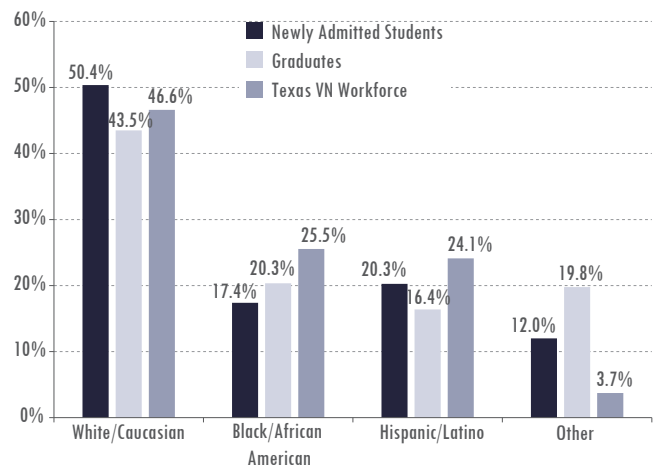
Military-Based VN Program Demographics

Newly Enrolled Students & Graduates

Race/Ethnicity

Figure 7 shows the racial/ethnic distribution of newly enrolled students and graduates from the military-based VN program compared to the 2018 Texas VN workforce.

- The proportion of white/Caucasian newly enrolled VN students and graduates was 50.4% and 43.5%, respectively.
- Black/African American newly enrolled students (17.4%) and graduates (20.3%) were both lower in proportion compared to the Texas VN workforce (25.5%).
- Hispanic/Latino newly enrolled students (20.3%) and graduates (16.4%) were also lower in proportion compared to the Texas VN workforce (24.1%).
- The proportion of newly enrolled students who were other races/ethnicities (12.0%) was lower than the proportion of graduates (19.8%) and both were at least more than four times greater than the Texas VN workforce (3.7%).

Figure 7. Race/Ethnicity of Military-Based VN Program Newly Enrolled Students and Graduates, 2018

Sex

Unlike other VN programs, newly enrolled students and graduates from the military-based VN program were predominately male: 61.3%

Age

The majority of newly enrolled students (91.6%) and graduates (86.2%) were 30 years or younger.