

# Summary and Analysis of the 2017 Annual Education Report of Arizona's Nursing Education Programs: Part 1, Pre-licensure Nursing Programs Faculty and Student Data

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## Background/Significance

Since 2001, the Arizona State Board of Nursing (AZBN) has requested that pre-licensure nursing programs submit an annual report for the purpose of gathering admission and graduation data. Each year, data are publicly displayed on the AZBN's website for use by stakeholders (citizens, students, faculty, administrators, government officials) to assess trends in nursing education.

## Data Collection

An online survey was distributed to all of Arizona's nursing education programs that provide education to pre-licensure RN and LPN students as well as graduate nursing students. The survey collected demographic data of each program, program capacity and enrollments, demographic data of students and faculty and faculty vacancies/turnover.

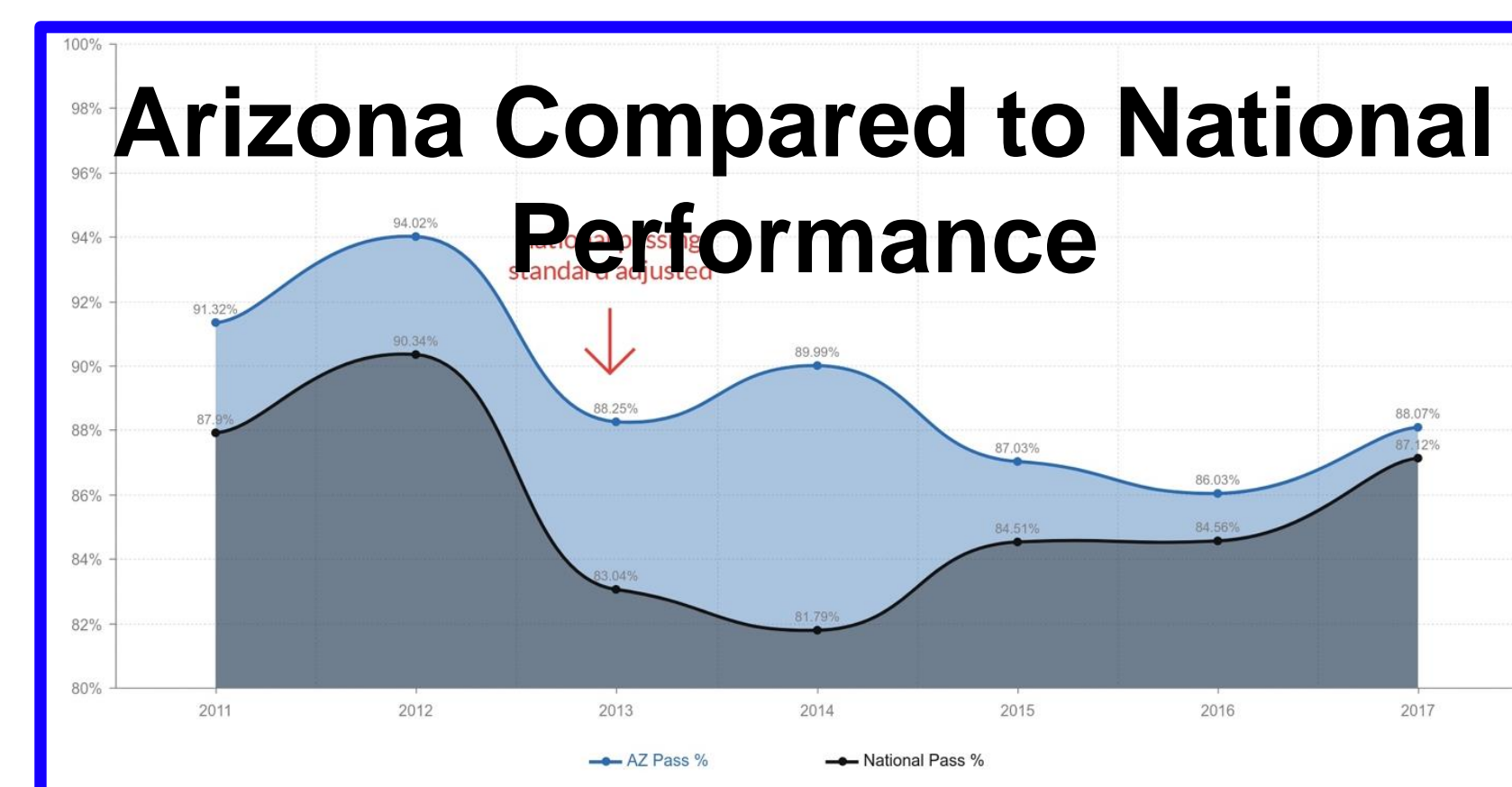
## 2017 Arizona Nursing Programs Enrollments and Pass Rates

### Enrollment Comparisons 2014-2017

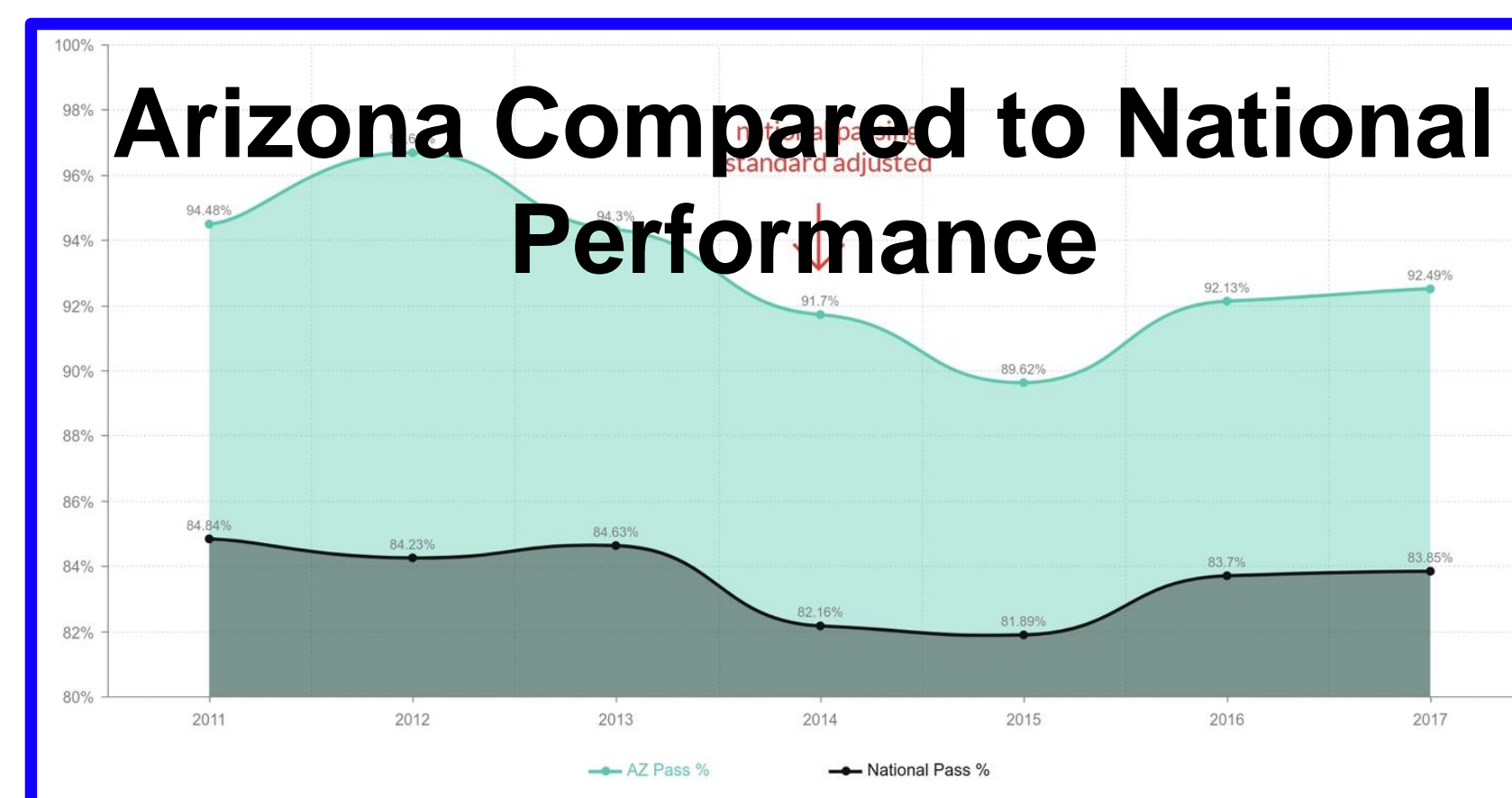
	2014	2015	2016	2017
<b>Total Program Enrollment (RN + PN)</b>				
RN	6929	6740	6568	6186
PN	471	351	293	352
<b>Total RN + PN</b>	<b>7400</b>	<b>7091</b>	<b>6861</b>	<b>6538</b>
<b>Prelicensure Admissions to First Clinical Course</b>				
Associate Degree	2077	2046	2026	2385
Baccalaureate Degree	1735	1565	1491	1315
PN	366	374	372	296
<b>Total RN + PN</b>	<b>3812</b>	<b>3611</b>	<b>3517</b>	<b>3700</b>
<b>Prelicensure Graduates</b>				
RN				
RN Associate Degree	1609	1732	1744	1681
RN Baccalaureate Degree	1378	1510	1381	1437
<b>Total RN Graduates</b>	<b>2987</b>	<b>3242</b>	<b>3125</b>	<b>3118</b>
PN	386	265	278	244
<b>Total Prelicensure Graduates</b>	<b>3283</b>	<b>3507</b>	<b>3403</b>	<b>3362</b>
<b>RN On-time Graduation</b>				
Graduated	2496	2774	3677	2493
Dropped	680	576	513	893
<b>Percentage On-time Graduation</b>	<b>79%</b>	<b>83%</b>	<b>88%</b>	<b>74%</b>
<b>RN NCLEX</b>				
Graduates	2987	3242	3125	3118
Takers	2817	3272	3105	3152
Passers	2535	2853	2677	2774
<b>Percentage passing</b>	<b>90%</b>	<b>87%</b>	<b>86%</b>	<b>88%</b>
<b>Total Pre-licensure Faculty</b>				
Full-time	396	390	384	348
Part-time	821	1123	1206	799
<b>Vacancies: Full time</b>	<b>19</b>	<b>21</b>	<b>25</b>	<b>21</b>
<b>Vacancies: Part-time</b>	<b>14</b>	<b>6</b>	<b>11</b>	<b>13</b>
<b>Average Faculty: Student Ratio in Classroom</b>	<b>1:21</b>	<b>1:21</b>	<b>1:21</b>	<b>1:23</b>

- Total RN and PN nursing student enrollments are down from 2014 (n = -862)
  - Most of the enrollment decrease occurred in private schools
- The number of pre-licensure RN graduates is slightly higher than 2014 (n = 79) while the number of PN graduates have declined (n = -70)
- RN-NCLEX and On-Time Graduation rates have remained fairly stable since 2014

### RN-NCLEX Pass Rates 2011-2017



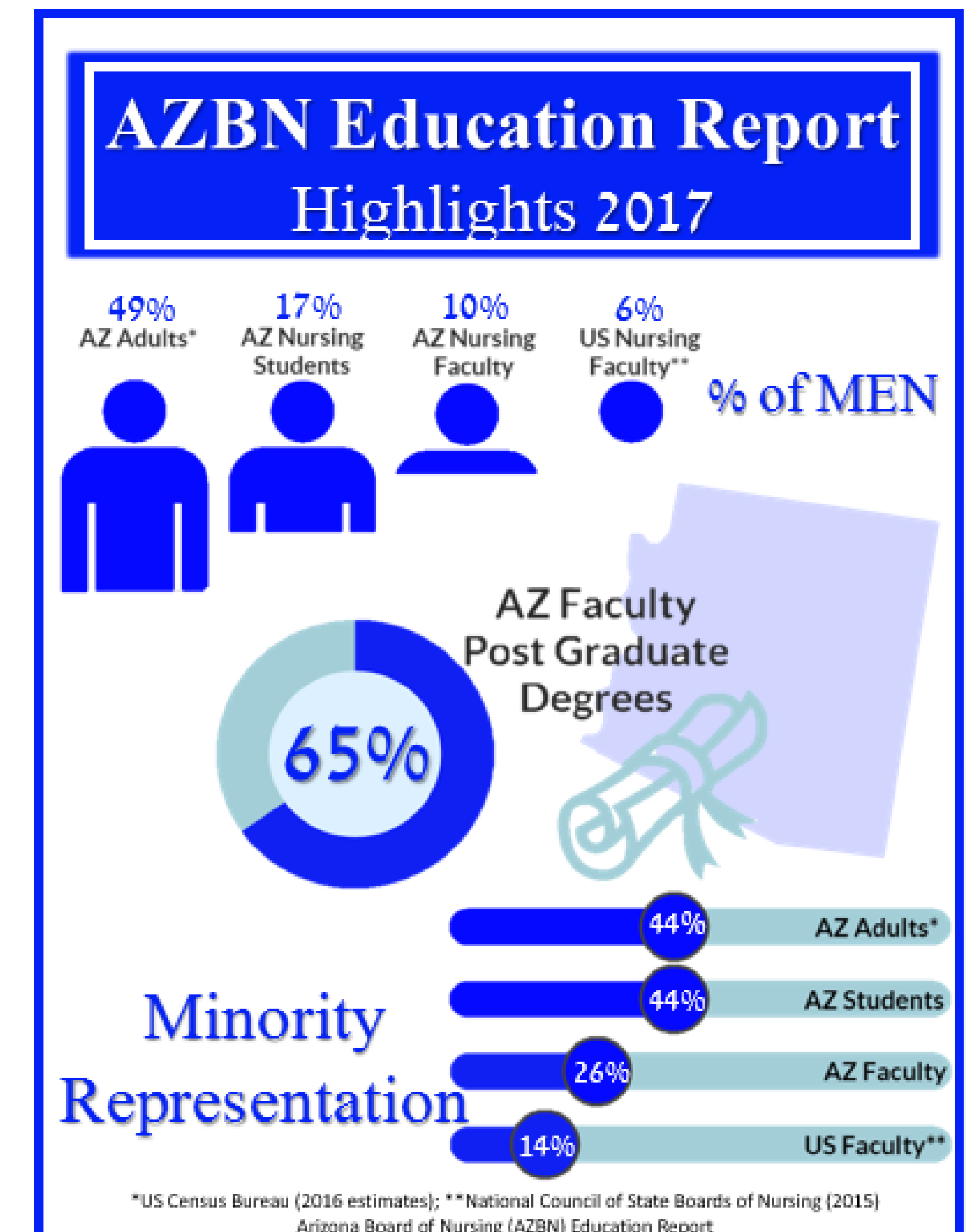
### PN-NCLEX Pass Rates 2011-2017



## AZ Student & Faculty, US Faculty & AZ Gen Population Diversity

Attribute*	Arizona Nursing Students <sup>a</sup> n (%)	Arizona Nursing Faculty <sup>b</sup> n (%)	U.S. Nursing Faculty <sup>c</sup> n (%)	Arizona Adults <sup>d</sup> n (%)
<b>Gender</b>				
Male	1133 (17)	126 (10)	86 (6)	2.5M (49)
Female	5376 (82)	1188 (90)	1233 (94)	2.6M (51)
Not Answered/Other	30 (1)	0 (0)	0 (0)	0 (0)
<b>Race/Ethnicity</b>				
Asian	341 (5)	35 (2)	30 (2)	199K (3)
Black/African-American	319 (5)	76 (6)	90 (6)	270K (4)
Hispanic/Latino	1615 (25)	114 (9)	31 (2)	2.0M (31)
Native American/Alaska Native	102 (1)	9 (0.7)	8 (0.6)	266K (4)
Native Hawaiian/Pacific Islander	23 (0.3)	4 (0.3)	8 (0.6)	12K (0.2)
White (non-Hispanic)	3671 (56)	974 (74)	1210 (86)	3.8M (56)
Two or more races	229 (4)	11 (0.8)	31 (2)	140K (2)
Not answered/Other	230 (4)	95 (7)	7 (0.5)	8K (0.1)
<b>Age</b>				
<= 30 Millennial	4068 (66)	58 (6)	121 (9)	1.12M (22)
31-40	1355 (22)	241 (27)	254 (20)	868K (17)
41-50 Gen X	473 (8)	225 (25)	264 (21)	838K (16)
51-60	147 (2)	212 (23)	324 (25)	826K (16)
>= 61 Baby Boomer	7 (0.1)	145 (16)	318 (25)	1.46M (29)
Not answered	104 (2)	22 (2)	0 (0)	0 (0)
<b>Highest Education</b>				
< Bachelor	6539 (100)	0 (0)	216 (16)	3.8M (75)
Bachelor	0 (0)	473 (35)	351 (27)	827K (16)
Masters	0 (0)	771 (58)	503 (38)	464K (9)
Doctorate	0 (0)	92 (7)	248 (19)	

Attribute data were not gathered from a single source/sample/time, so total sample size varies by attribute within each group. M = million; K = thousand; - = split decade



- More men are entering nursing (17% of students and 10% of faculty are men)
- Arizona's nursing students (44%) are as ethnically/racially diverse as Arizona's general population (44%)
- 88% of nursing students are under the age of 40 while 64% of Arizona's nursing faculty are over 40 years
- Arizona's nursing faculty's highest degrees achieved (Bachelors, 35%; Masters, 58% and Doctorate, 7%) exceed the national average for Bachelors (16%) and Masters (38%), but lag behind in achievement of doctoral degrees (Arizona, 7%; National, 19%).

## Discussion/Conclusion

Students, educators and employers have a significant stake in understanding enrollment trends of nursing students. Part II of the 2017 Education Programs report will be released October 2018. This report focuses on the newly developed Program Quality Index and graduate program enrollment statistics.

## Acknowledgements

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Arizona's Nursing Education Programs • Accreditation Commission for Education in Nursing (ACEN) • American Association of College of Nursing (AACN) • Commission on Collegiate Nursing Education (CCNE) • National Council of State Boards of Nursing (NCSBN)

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