



NORTH CAROLINA TRENDS IN NURSING EDUCATION

2013—2017

This report was prepared by the North Carolina Board of Nursing

May, 2018



North Carolina Trends in Nursing Education: 2003-2017
May 2018
Executive Summary

This report examines characteristics of the nursing student population and the programs in which those students are enrolled in North Carolina. The charts and data tables are based on information provided by 124 pre-licensure nursing education programs to the North Carolina Board of Nursing (NCBON) each year during the month of October. The nursing education pipeline data will contribute to the analysis of how well current workforce needs are being met, as well as determination of what new policies might be needed to ensure adequate future nursing resources.

Each page of the report contains a brief summary statement explaining the table/graph. Nursing education continues to be competitive in NC, with nursing remaining as one of the highest sought out professions. The NCBON has jurisdiction over pre-licensure nursing education programs and the explanatory comments in this report are limited to the pre-licensure programs.

The post-licensure RN-BSN program statistics are included in the report for general information purposes only. Because the NCBON does not have jurisdiction over post-licensure programs and they are not required to complete the annual report, the RN-BSN statistics are not reliable and may vary significantly.

Consistent with our strategic initiative to advance best practices in nursing regulation by facilitating innovations in education and practice, we continue to collect and report annual supply data for nursing employers and other interested parties.

Questions about the information in this report can be directed to Dr. Crystal Tillman, Director – Education and Practice, at ctillman@ncbon.com.

DEFINITIONS

Fall Term Census Date: October 1st of current year.

Reporting Period: The most recently completed 12-month reporting period which may be the academic year defined as fall, spring, and summer semesters or terms.

Example: The data used for the 2016-2017 Reporting Period in the NC BON Education Annual Report will be Fall 2016, Spring 2017, and Summer 2017.

Qualified Applicants: A count of the individuals who submitted complete applications on time and who met all institutional requirements for formal admission to the nursing education program during the Reporting Period.

Admitted Applicants: A count of the individuals who received official notice from the program that they were invited to begin the nursing education program during the Reporting Period.

New Enrollees: A count of the Admitted Applicants who subsequently enrolled for the first time in the nursing education program during the Reporting Period. This count should include only individuals who were still enrolled in a nursing course after the first two weeks of class.

Total Student Enrollment: A count of the number of students enrolled on the Fall Term Census Date which is October 1. Include students at all points of the program's curriculum sequence, including newly enrolled, continuing, and students in their final semester or year.

Graduates: A count of the number of students who successfully completed the program requirements and were formally awarded the degree or diploma during the Reporting Period.

Faculty Vacancy: A vacant position for a faculty member that is being actively recruited as of the Fall Term Census Date which is October 1.

Full-time Faculty: Those members of the instructional, administrative, or research staff of the nursing academic unit who are employed full-time as defined by the institution, hold academic rank, carry the full scope of faculty responsibility (e.g., teaching, advisement, committee work), and receive the rights and privileges associated with full-time employment.

Part-time Faculty: Those members of the instructional, administrative, or research staff of the nursing academic unit who are employed part-time as defined by the institution, may or may not hold academic rank, and may or may not carry responsibility for a specific area (e.g., adjunct, clinical instructor).

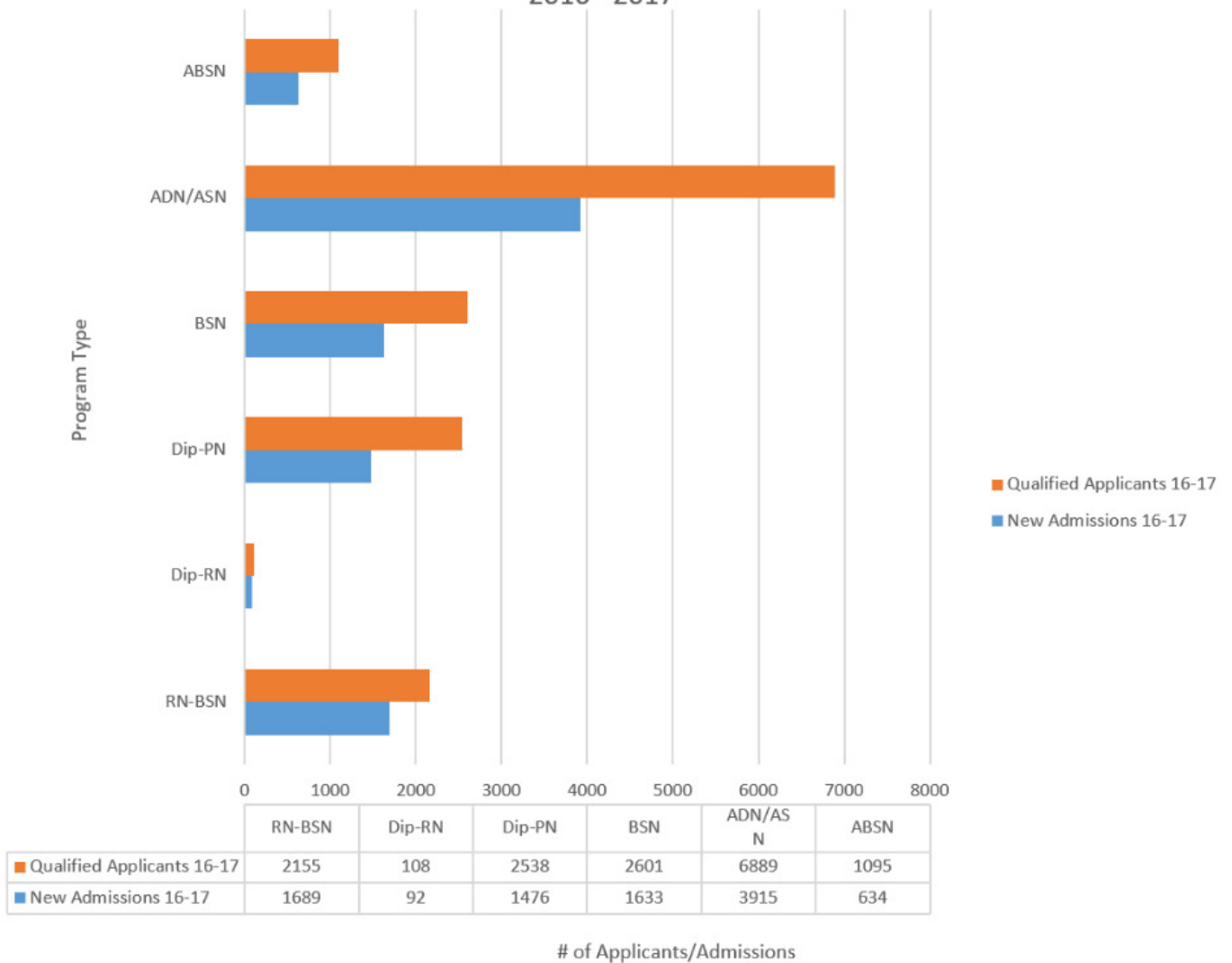
**North Carolina Trends in Nursing Education
2013-2017**

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Applicants and Admissions by Nursing Program and Student Type, Academic Year 2016 - 2017

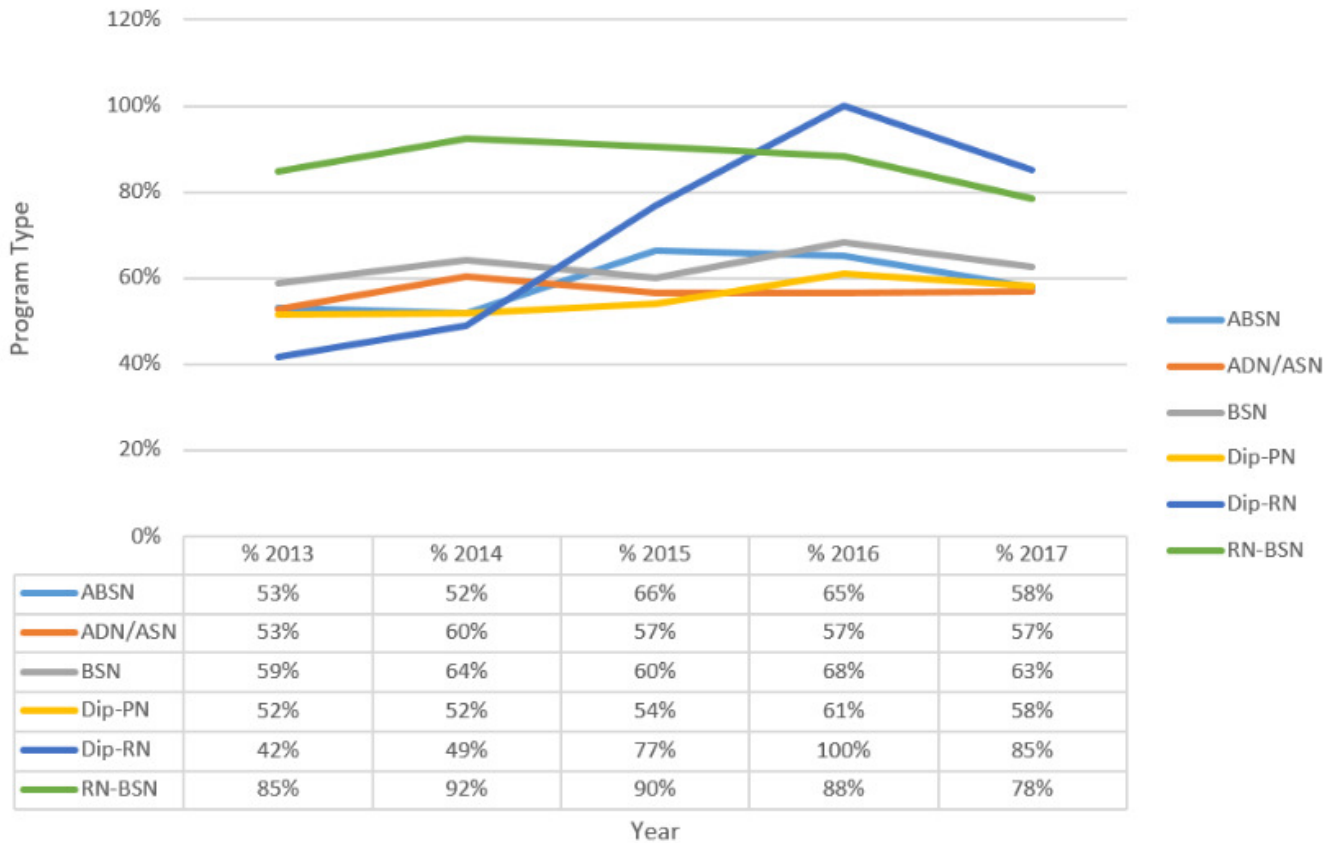


In NC **13,231** applicants were qualified to attend pre-licensure nursing education programs, but **7,750 (59%)** were admitted to the nursing programs for the 2016-2017 academic year.

The numbers include pre-licensure nursing programs only, and not the RN-BSN programs, which are post-licensure programs.

- Accelerated Bachelor of Science in Nursing (ABSN)
- Bachelor of Science in Nursing (BSN)
- Associate Degree in Nursing (ADN) or Associate Science in Nursing (ASN)
- Diploma-Registered Nurse (Dip-RN)
- Diploma-Practical Nurse (Dip-LPN)

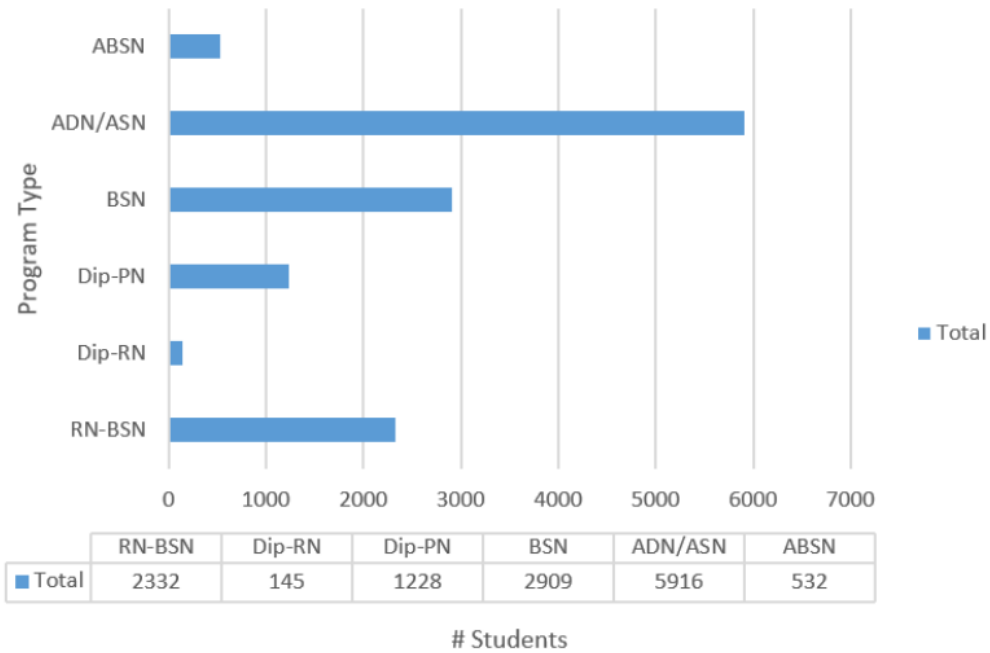
Trends in the Percent of Qualified Applicants Admitted to North Carolina Nursing Education Programs



There was a slight decrease in the number of qualified applicants admitted to NC nursing programs over the past five years. The ADN numbers have remained consistent for the past three years at 57%.

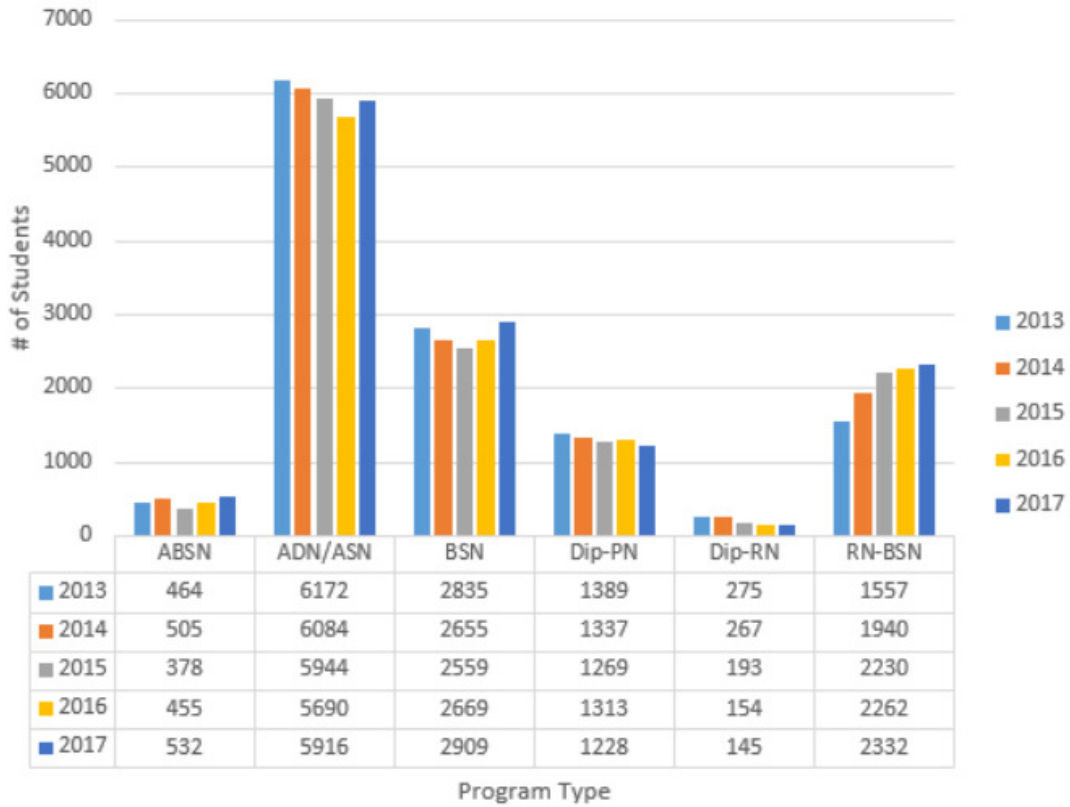
There was a slight decrease from the 2015-2016 academic year in the number of qualified applicants for the BSN, Diploma-RN and Diploma-LPN programs.

Total Enrollment by Nursing Program and Student Types as of Oct. 1, 2017



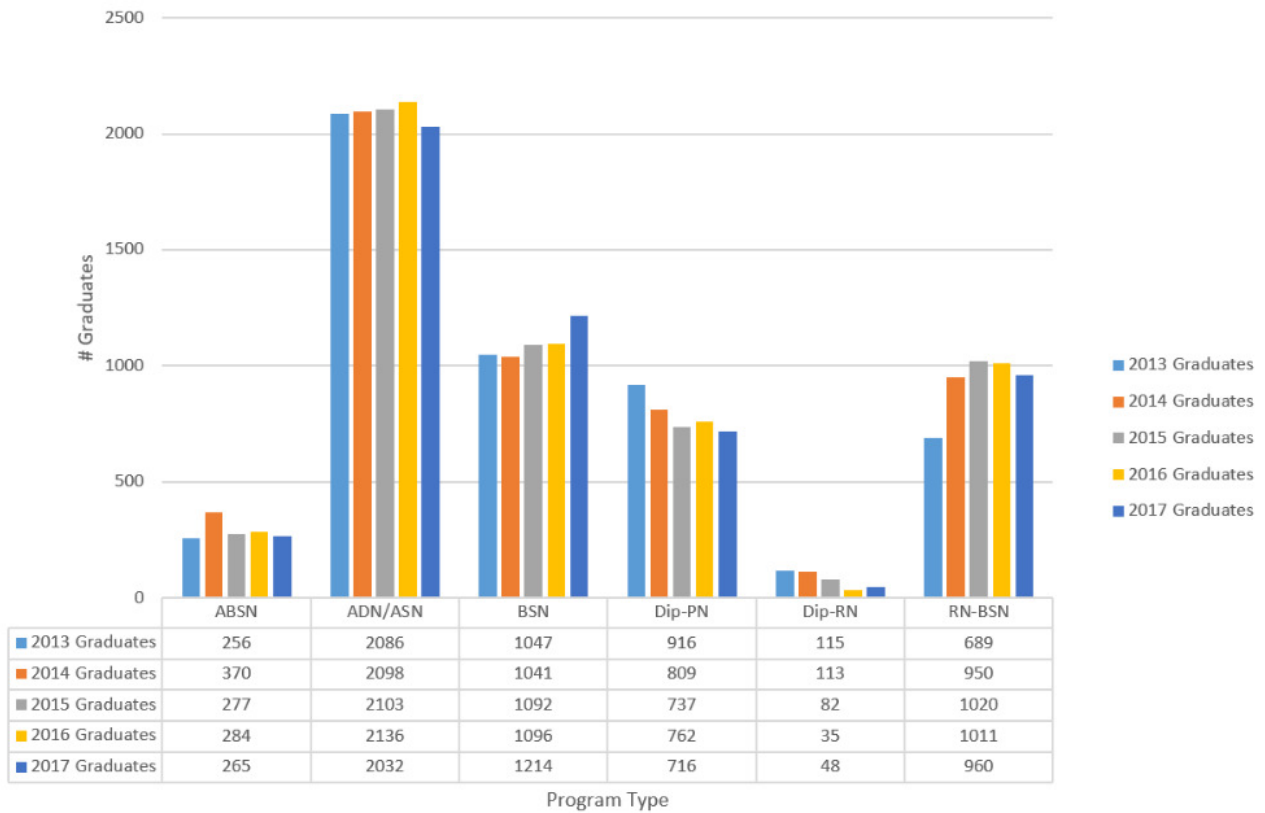
Total enrollment is a snapshot of all pre-licensure nursing students enrolled as of October 1, 2017. During October 2017, there were **10,730** nursing students enrolled in a pre-licensure nursing program taking nursing courses.

Total Enrollment by Nursing Program Types as of Oct. 1, 2017



The 2016-2017 academic year total enrollment numbers are consistent with previous years. Slightly increased for ABSN, BSN, and ADN pre-licensure nursing programs compared to the 2015-2016 academic year.

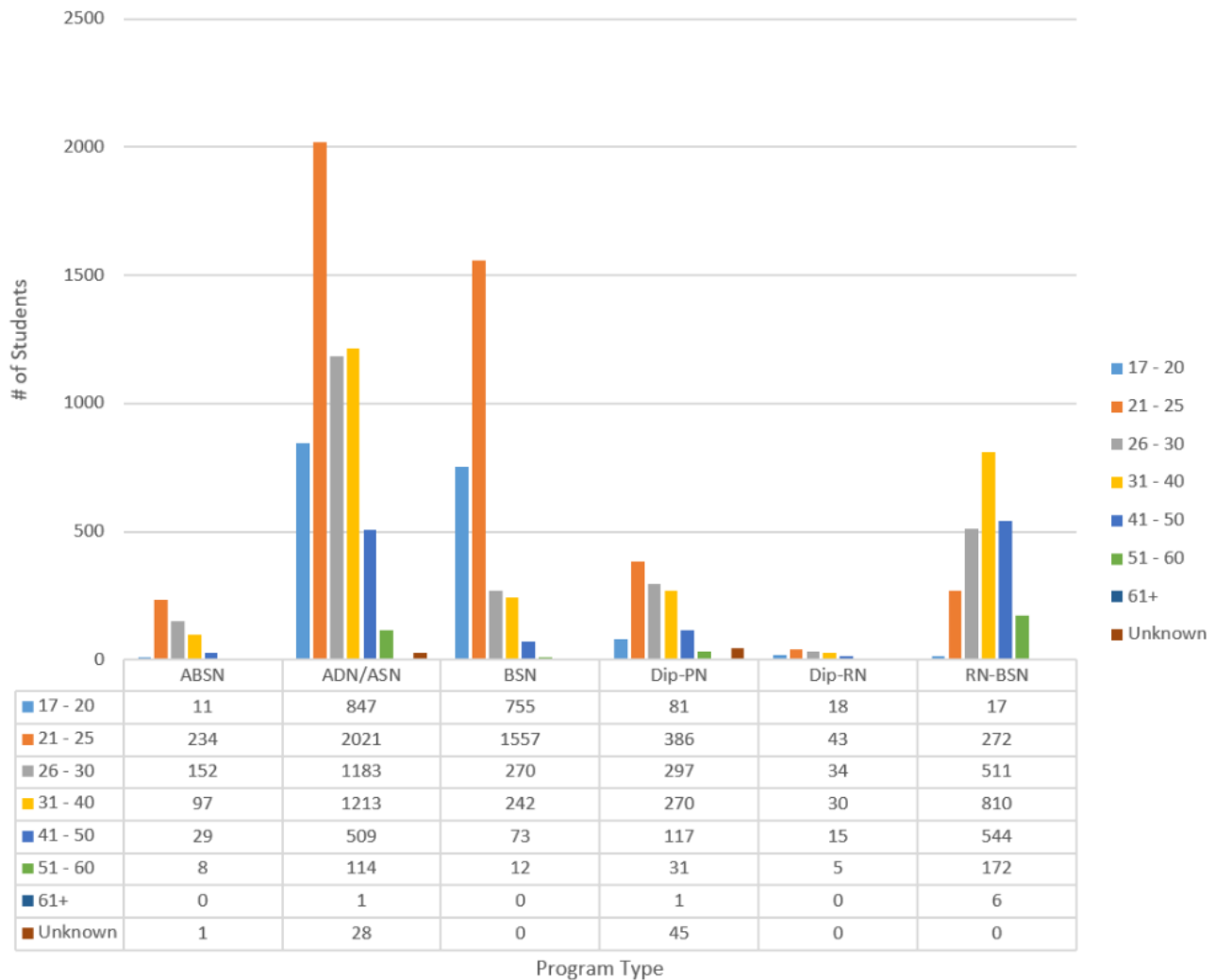
Trends in Total Graduates from North Carolina Nursing Education Programs



For the 2016-2017 academic year, graduate numbers were slightly decreased from the 2015-2016 academic year, except for the BSN and Dip-RN programs. There was a total of **4,275** pre-licensure graduates in the 2016-2017 academic year as compared with 4,313 in the 2015-2016 academic year. Below are the percentages of nursing students for each degree type.

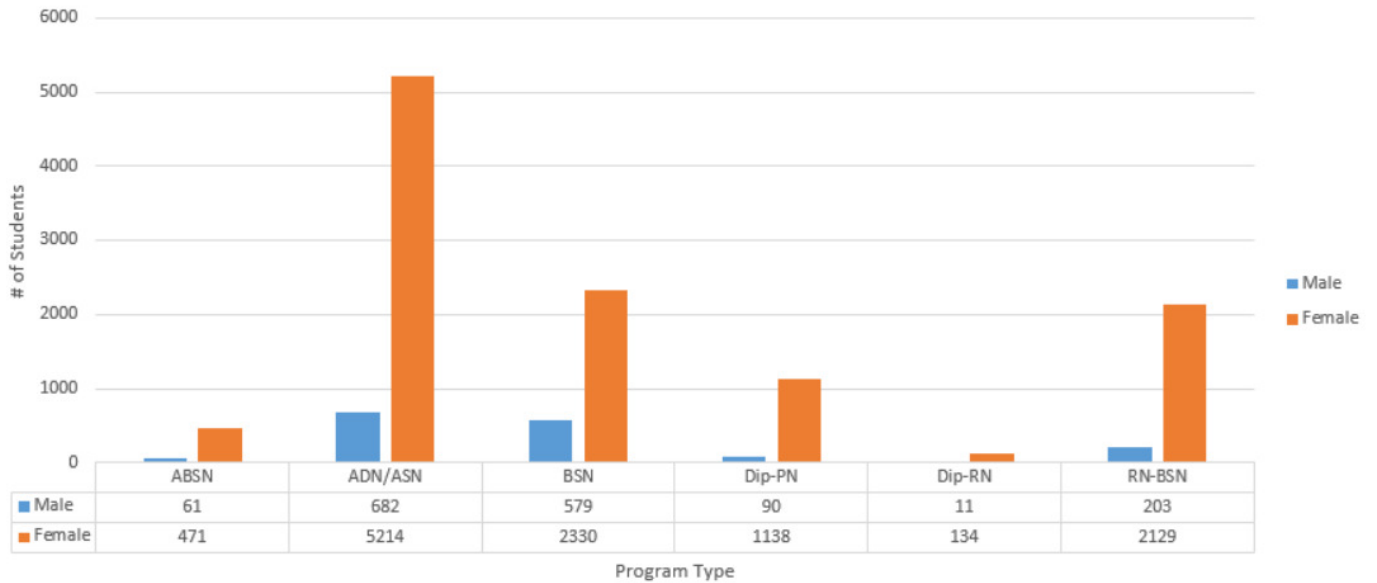
- ABSN-6%
- ADN-48%
- BSN-28%
- Dip-RN-1%
- Dip-LPN-17%

Age Profile of Nursing Students Enrolled in North Carolina as of Oct. 1, 2017



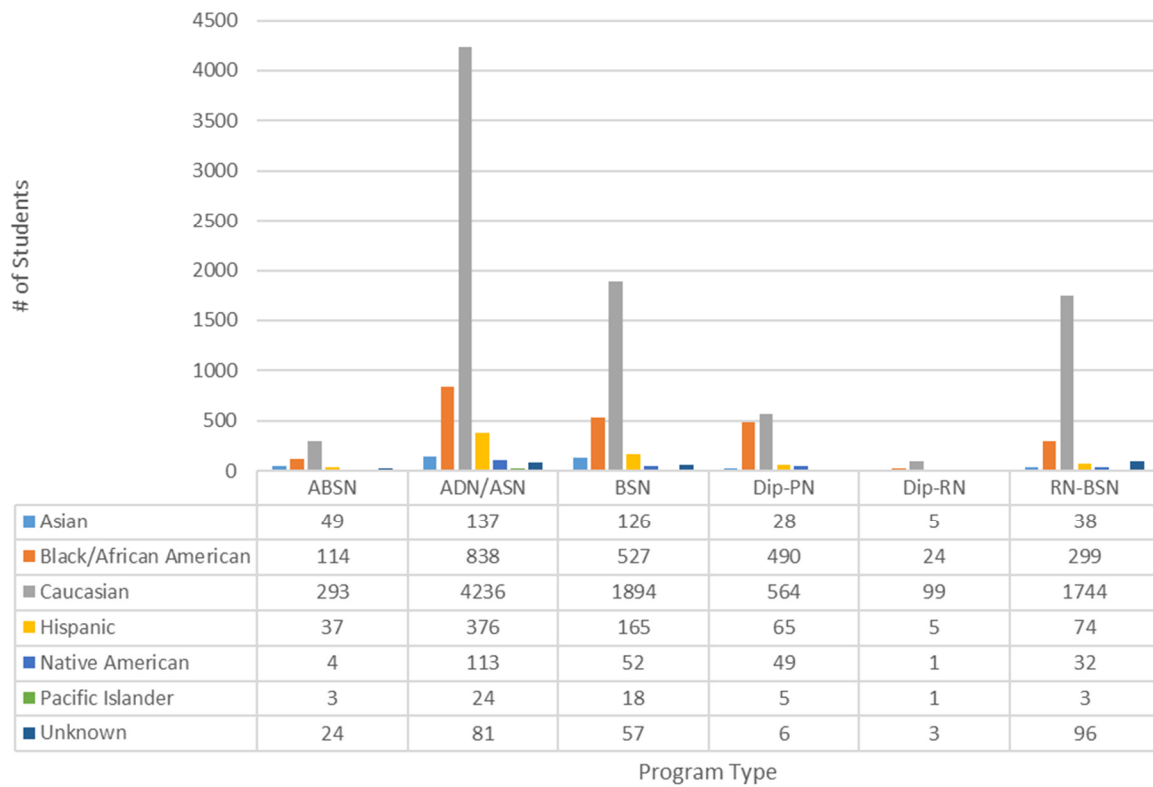
The age profile categories remained consistent from the 2015-2016 academic year. The pre-licensure largest age category was in the **21-25** range and post-licensure with the 31-40 range.

Gender of Nursing Students Enrolled in North Carolina as of Oct. 1, 2017



The enrollment for male students in pre-licensure nursing programs increased to 13%, the highest percentage to date. In the last three previous years the average was 11.9% of male pre-licensure nursing students.

Student Race/Ethnicity Enrolled in North Carolina as of Oct. 1, 2017

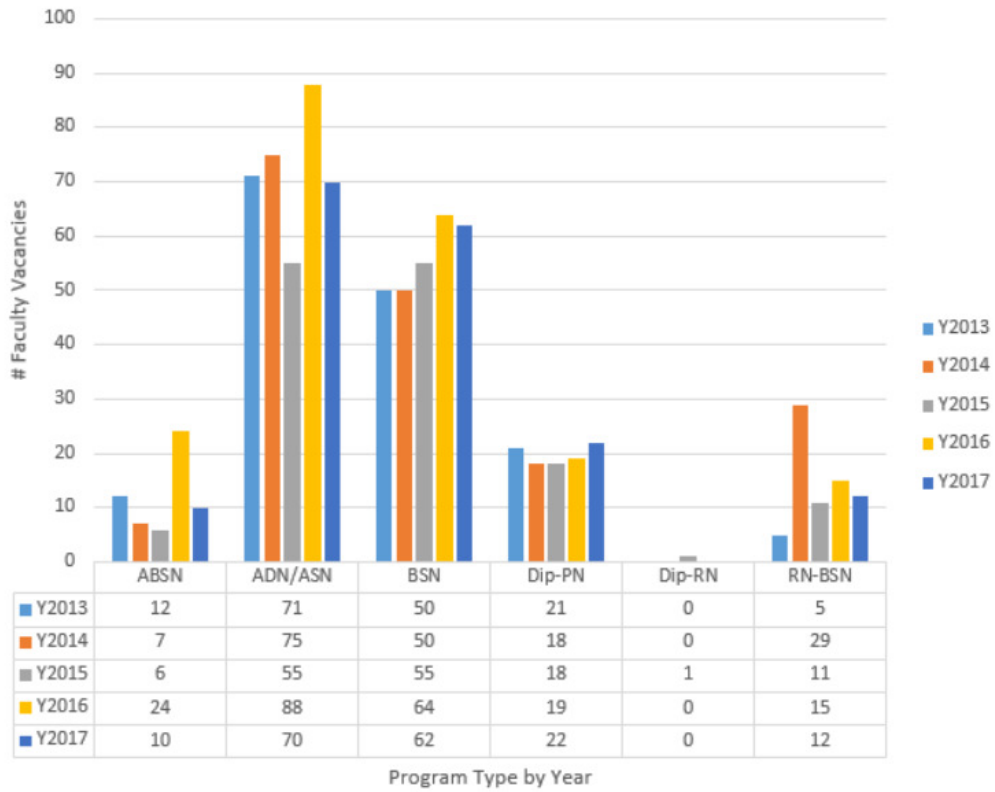


In the past year, there has been an increase in the diversity of pre-licensure nursing students. There was an **increase** in the following populations:

- Asian (ABSN-36%)
- Black/African American (ABSN-78%, BSN-24%, ADN-13%),
- Hispanic populations (ABSN-28%, BSN-23%, ADN-18% Dip-LPN-35%).

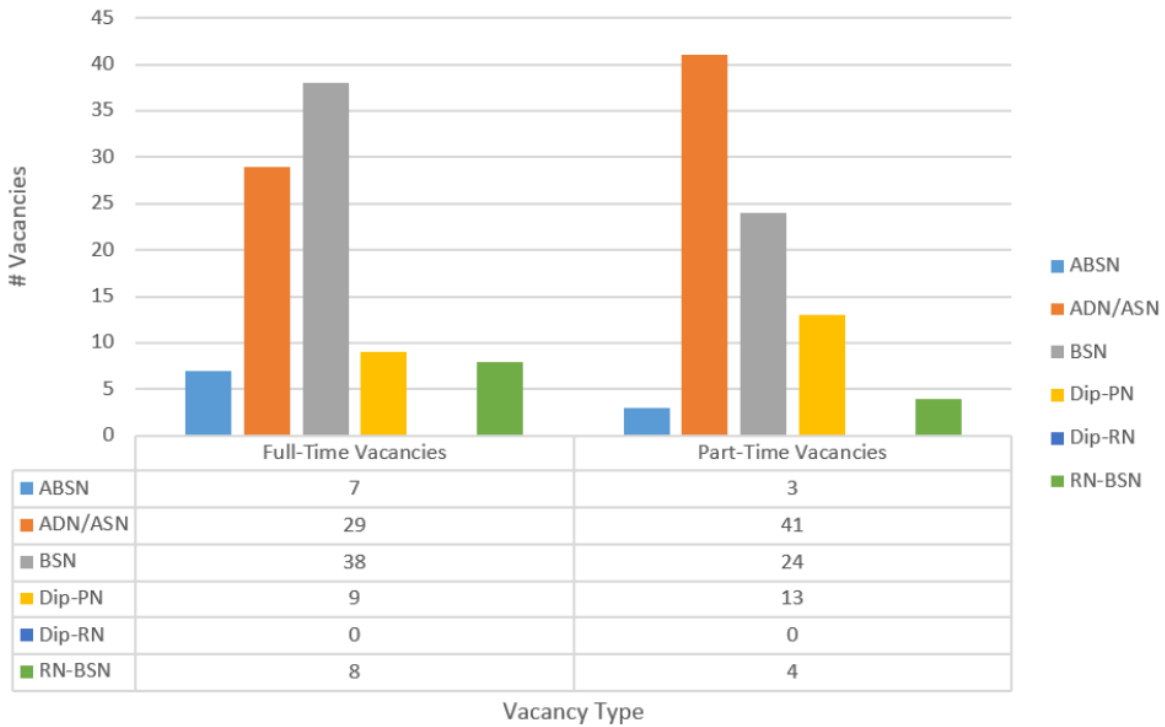
The largest increase in diversity occurred in the ABSN with a 78% increase (64 to 114) in the Black/African American population in the past year.

Trends in Faculty Vacancies by Program Type



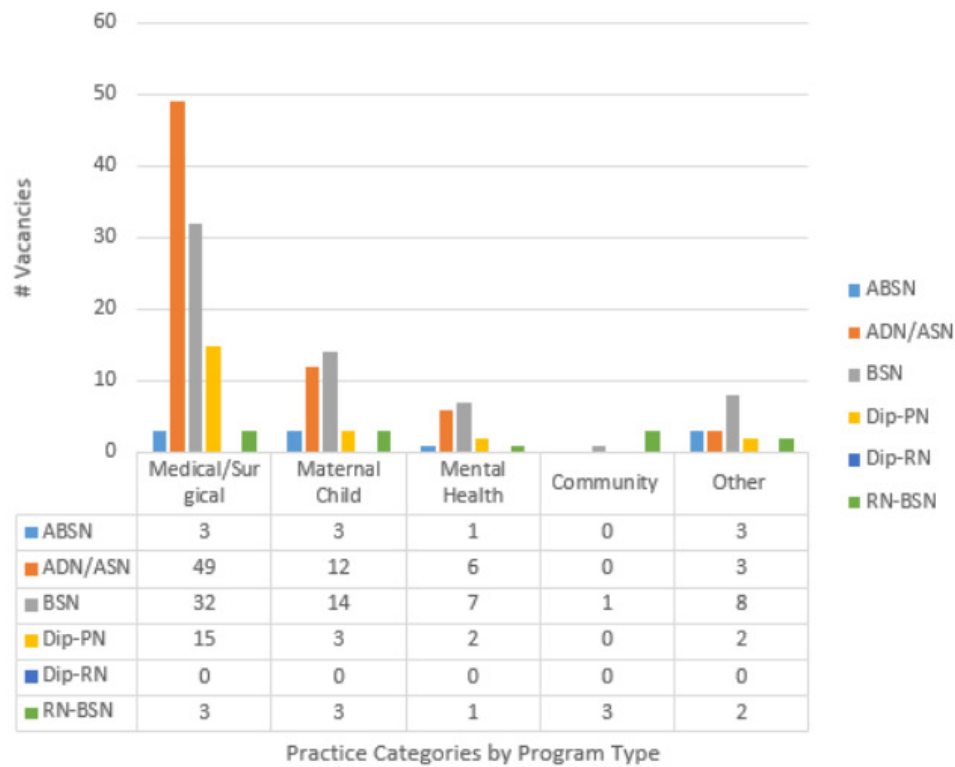
The nursing faculty pre-licensure vacancies have improved in all program types, except for the Diploma-LPN program, where there is a 16% increase in faculty vacancies from the 2015-2016 academic year.

Faculty Vacancies FT vs. PT in 2017



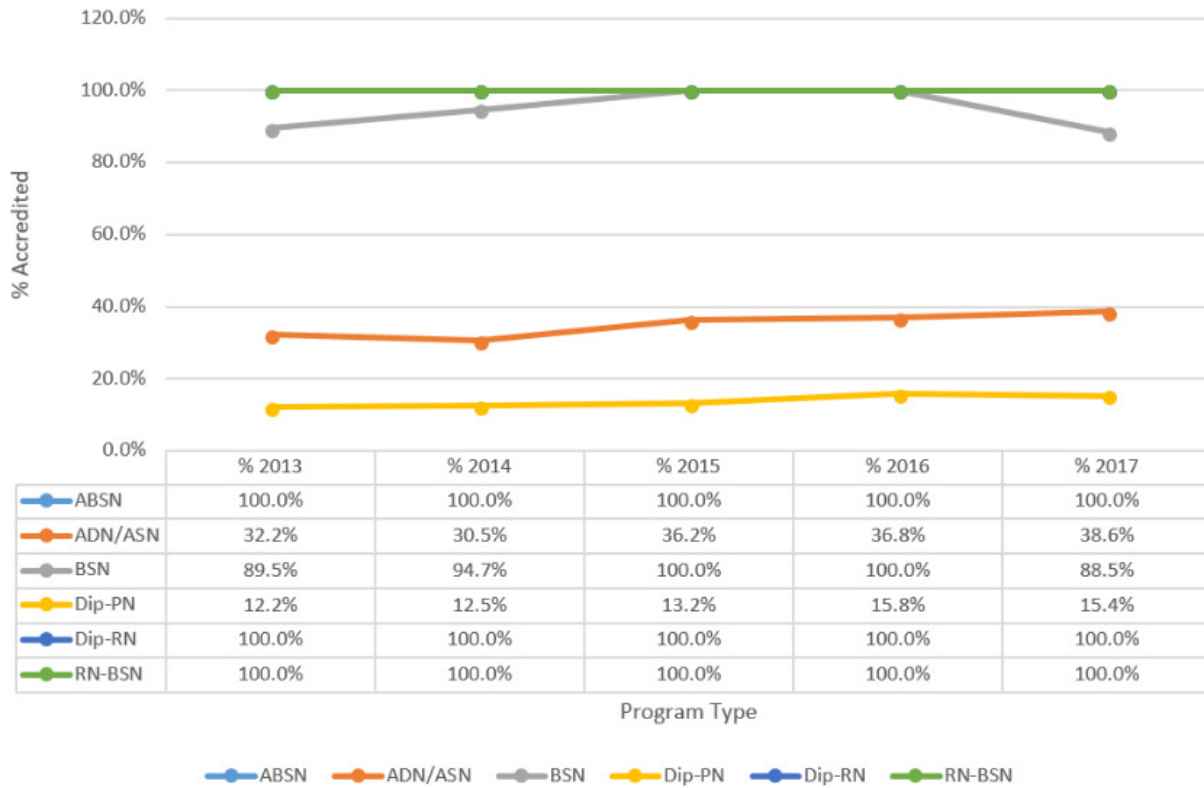
The pre-licensure full-time faculty vacancies are highest in the BSN programs at 38 vacancies, and part-time faculty vacancies are highest in the ADN programs at 41 vacancies.

Faculty Vacancies by Practice Categories, 2017



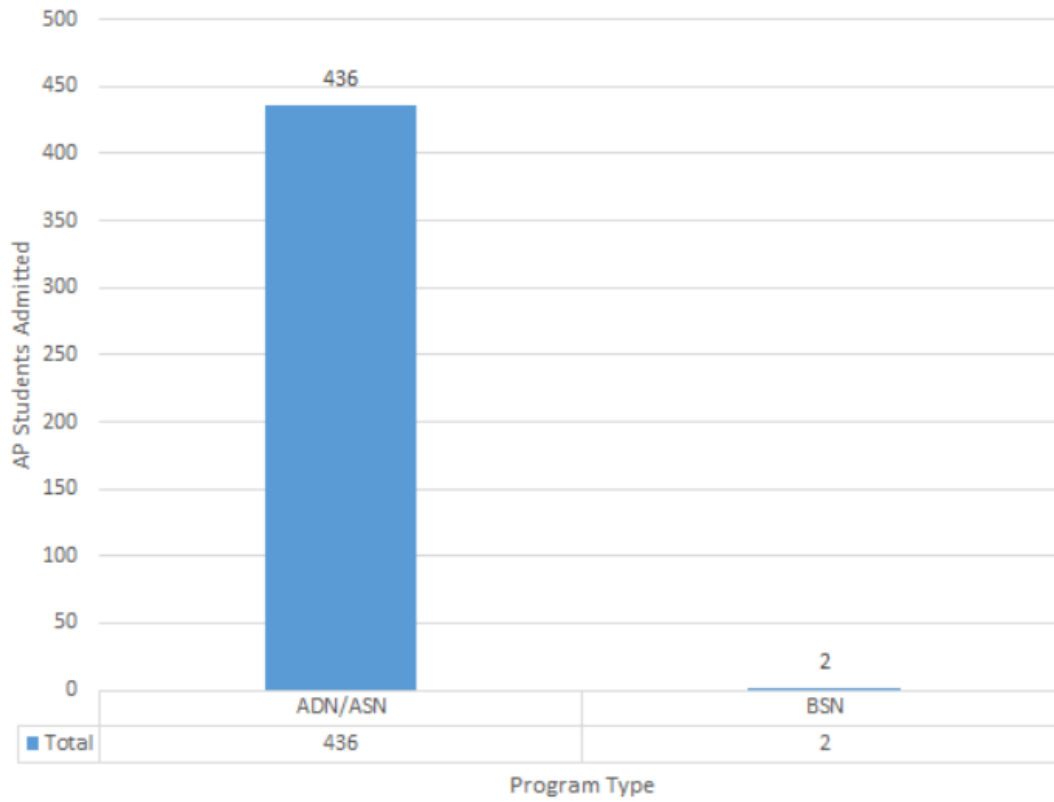
The pre-licensure nursing faculty vacancies were highest in the **medical/surgical** specialties with ADN having 49 vacancies, BSN having 32 vacancies, and Dip-LPN with 15 vacancies. From the location of pre-licensure NC nursing programs, the faculty vacancies are highest in the **urban** areas.

Accreditation Trends by Program Type



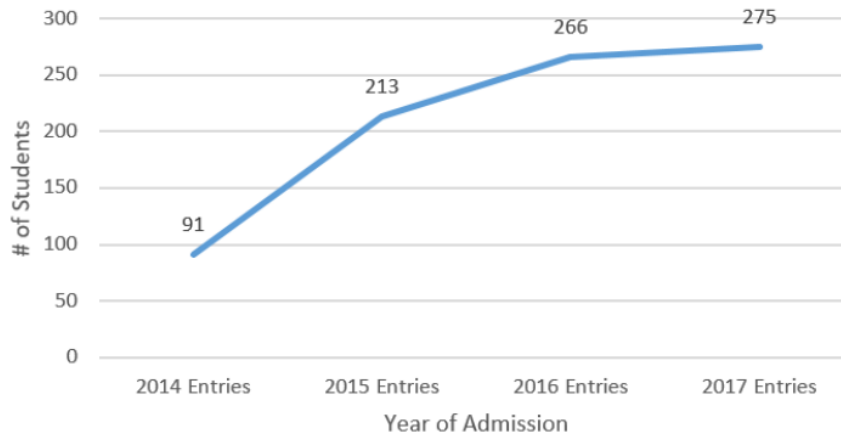
In NC, 59 out of 124 (48%) of pre-licensure nursing programs are nationally accredited. The decrease of 11.5% in BSN accredited programs from the 2015-2016 academic year is the result of three new programs undergoing the accreditation process.

Total Number of LPN-RN Advanced Placement Students admitted during 12-month reporting period.

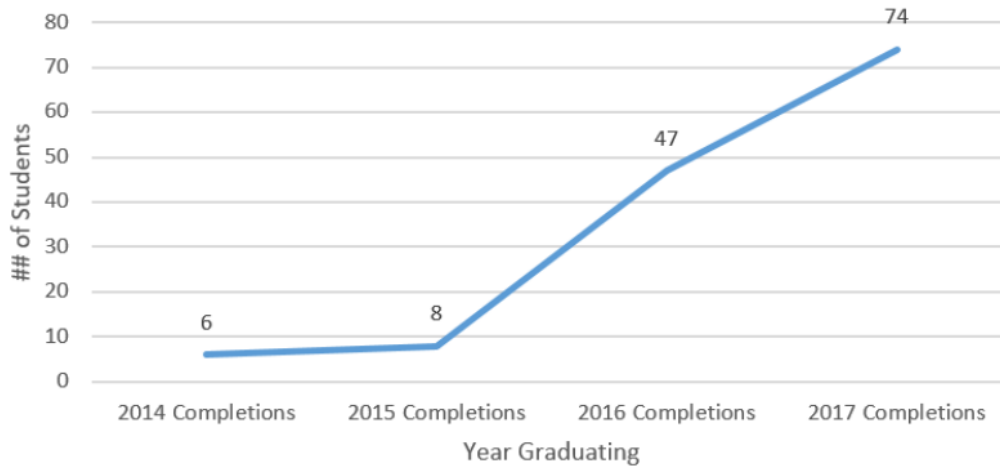


During the 2016-2017 academic year, 436 LPNs returned to complete the their ADN/ASN degree to become an RN, and 2 LPNs returned to complete their BSN degree to become an RN.

ADN RIBN Admissions



BSN RIBN Graduates



The Regionally Increasing Baccalaureate Nurses (RIBN) continues to increase in admissions and graduates. The RIBN program is a partnership between community colleges and universities in NC that dually enrolls students in a seamless four-year nursing curriculum. In the 2016-2017 academic year, 275 students were admitted to an ADN program, along with 74 students that graduated from a BSN program.

Annual On-Time Completion Rates for all Nursing Education Programs

BSN Programs

Program/Semester	Fall 2016		Spring 2017		Summer 2017		Yearly Completion Rate
	Start	Completed	Start	Completed	Start	Completed	
APPALACHIAN STATE UNIVERSITY - BS	0	0	44	43	0	0	97.7
BARTON COLLEGE - BS	0	0	45	39	0	0	86.7
CAMPBELL UNIVERSITY	0	0	0	0	0	0	0.0
CATAWBA	0	0	0	0	0	0	0.0
EAST CAROLINA UNIVERSITY - BS	126	114	121	107	0	0	89.5
FAYETTEVILLE STATE UNIVERSITY - BS	34	23	39	31	0	0	74.0
GARDNER-WEBB UNIVERSITY - BS	0	0	40	24	0	0	60.0
LEES-MCRAE COLLEGE - BS	74	63	46	44	0	0	89.2
LENOIR-RHYNE UNIVERSITY - BS	0	0	42	32	0	0	76.2
MARS HILL UNIVERSITY - BSN	0	0	0	0	0	0	0.0
METHODIST UNIVERSITY	0	0	26	19	0	0	73.1
NORTH CAROLINA A & T STATE UNIVERSITY - BS	0	0	0	0	0	0	0.0
NORTH CAROLINA CENTRAL UNIVERSITY - BS	0	0	80	69	0	0	86.3
NORTHEASTERN UNIVERSITY	0	0	0	0	0	0	0.0
PFEIFFER UNIVERSITY - BS	0	0	20	17	0	0	85.0
QUEENS UNIVERSITY OF CHARLOTTE - PRESBYTERIAN - BS	41	15	40	23	0	0	46.9
SOUTH COLLEGE - BSN	0	0	0	0	0	0	0.0
SOUTH UNIVERSITY - HIGH POINT	9	9	0	0	7	3	75.0
UNC-CHAPEL HILL - BS	0	0	104	97	0	0	93.3
UNC-CHARLOTTE - BS	50	46	60	55	0	0	91.8
UNC-GREENSBORO - BS	0	0	107	100	0	0	93.5
UNC-PEMBROKE - BS	0	0	57	19	0	0	33.3
UNC-WILMINGTON - BS	49	48	49	46	0	0	95.9
WESTERN CAROLINA UNIVERSITY - BS	25	23	25	24	0	0	94.0
WINGATE UNIVERSITY	0	0	19	12	0	0	63.2
WINSTON-SALEM STATE UNIVERSITY - BS	0	0	0	0	77	69	89.6
TOTAL	408	341	964	801	84	72	
NC AVERAGE FOR ALL BSN PROGRAMS							83.4

ABSN Programs

Program/Semester	Fall 2016		Spring 2017		Summer 2017		Yearly Completion Rate
	Start	Completed	Start	Completed	Start	Completed	
CHAMBERLAIN COLLEGE OF NURSING	0	0	0	0	0	0	0.0
EAST CAROLINA UNIVERSITY	0	0	0	0	0	0	0.0
NORTH CAROLINA A & T STATE UNIVERSITY ABSN	12	10	0	0	0	0	83.3
QUEENS UNIVERSITY OF CHARLOTTE	0	0	51	32	0	0	62.7
UNC-CHAPEL HILL ABSN	0	0	64	54	0	0	84.4
WINSTON-SALEM STATE UNIVERSITY	0	0	42	37	0	0	88.1
TOTAL	12	10	157	123	0	0	
NC AVERAGE FOR ALL ABSN PROGRAMS							78.7

Dip-RN Programs

Program/Semester	Fall 2016		Spring 2017		Summer 2017		Yearly Completion Rate
	Start	Completed	Start	Completed	Start	Completed	
WATTS SCHOOL OF NURSING - DPL	37	16	42	32	0	0	60.8
TOTAL	37	16	42	32	0	0	
NC AVERAGE FOR ALL DIP-RN PROGRAMS							60.8

ADN/ASN Programs

Program/Semester	Fall 2016		Spring 2017		Summer 2017		Yearly Completion Rate
	Start	Completed	Start	Completed	Start	Completed	
ALAMANCE COMMUNITY COLLEGE - ADN	26	13	34	25	0	0	63.3
ASHEVILLE BUNCOMBE TECHNICAL COMMUNITY COLLEGE - ADN	0	0	90	54	0	0	60.0
BEAUFORT COMMUNITY COLLEGE - ADN	0	0	58	38	0	0	65.5
BLADEN COMMUNITY COLLEGE - ADN	0	0	27	27	0	0	100.0
BLUE RIDGE COMMUNITY COLLEGE - ADN	0	0	45	33	0	0	73.3
BRUNSWICK COMMUNITY COLLEGE - ADN	0	0	23	19	0	0	82.6
CABARRUS COLLEGE OF HEALTH SCIENCES - ADN	39	23	45	18	0	0	48.8
CALDWELL COMMUNITY COLLEGE AND TECHNICAL INSTITUTE	0	0	37	32	0	0	86.5
CAPE FEAR COMMUNITY COLLEGE - ADN	0	0	99	54	0	0	54.5
CAROLINAS COLLEGE OF HEALTH SCIENCES - ADN	71	43	57	41	0	0	65.6
CARTERET COMMUNITY COLLEGE - ADN	0	0	19	18	0	0	94.7
CATAWBA VALLEY COMMUNITY COLLEGE - ADN	0	0	66	33	0	0	50.0
CENTRAL CAROLINA COMMUNITY COLLEGE - ADN	0	0	32	22	0	0	68.8
CENTRAL PIEDMONT COMMUNITY COLLEGE - ADN	30	24	30	24	0	0	80.0
COASTAL CAROLINA COMMUNITY COLLEGE - ADN	0	0	35	29	0	0	82.9
COLLEGE OF THE ALBEMARLE - ADN	0	0	42	20	0	0	47.6
CRAVEN COMMUNITY COLLEGE - ADN	0	0	40	38	0	0	95.0
DAVIDSON COUNTY COMMUNITY COLLEGE - ADN	0	0	59	48	0	0	81.4
DURHAM TECHNICAL COMMUNITY COLLEGE - ADN	0	0	31	31	0	0	100.0
ECPI UNIVERSITY - CHARLOTTE - AAS	0	0	34	14	40	19	44.6
EDGEcombe COMMUNITY COLLEGE - ADN	0	0	55	24	0	0	43.6
FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE - ADN	0	0	87	42	0	0	48.3
FOOTHILLS NURSING CONSORTIUM - ADN	0	0	57	55	0	0	96.5
FORSYTH TECHNICAL COMMUNITY COLLEGE - ADN	64	54	68	54	0	0	81.8
GARDNER-WEBB UNIVERSITY - ADN	0	0	38	18	0	0	47.4
GASTON COLLEGE - ADN	0	0	110	63	0	0	57.3
GUILFORD TECHNICAL COMMUNITY COLLEGE - ADN	55	36	85	32	0	0	48.6
HALIFAX COMMUNITY COLLEGE - ADN	0	0	32	6	0	0	18.8
JAMES SPRUNT COMMUNITY COLLEGE - ADN	0	0	40	15	0	0	37.5
JOHNSTON COMMUNITY COLLEGE - ADN	0	0	62	35	0	0	56.5
LENOIR COMMUNITY COLLEGE - ADN	0	0	47	22	0	0	46.8
MAYLAND COMMUNITY COLLEGE - ADN	0	0	25	17	0	0	68.0
MITCHELL COMMUNITY COLLEGE - ADN	0	0	49	29	0	0	59.2
NASH COMMUNITY COLLEGE - ADN	0	0	30	24	0	0	80.0
PIEDMONT COMMUNITY COLLEGE - ADN	0	0	36	28	0	0	77.8
PITT COMMUNITY COLLEGE - ADN	0	0	128	81	0	0	63.3
RANDOLPH COMMUNITY COLLEGE - ADN	0	0	51	15	0	0	29.4
REGION A NURSING CONSORTIUM - ADN	0	0	35	34	0	0	97.1
RICHMOND COMMUNITY COLLEGE - ADN	0	0	64	23	0	0	35.9
ROANOKE-CHOWAN COMMUNITY COLLEGE - ADN	0	0	20	4	0	0	20.0
ROBESON COMMUNITY COLLEGE - ADN	0	0	61	21	0	0	34.4
ROCKINGHAM COMMUNITY COLLEGE - ADN	0	0	25	16	0	0	64.0
ROWAN-CABARRUS COMMUNITY COLLEGE - ADN	0	0	60	40	0	0	66.7
SAMPSON COMMUNITY COLLEGE - ADN	0	0	51	28	0	0	54.9
SANDHILLS COMMUNITY COLLEGE - ADN	0	0	61	61	0	0	100.0
SOUTH COLLEGE - ADN	26	8	28	14	0	0	40.7
SOUTH PIEDMONT COMMUNITY COLLEGE - ADN	43	0	50	26	0	0	28.0
SOUTHEASTERN COMMUNITY COLLEGE - ADN	0	0	43	13	0	0	30.2
SOUTHWESTERN COMMUNITY COLLEGE - ADN	0	0	28	22	0	0	78.6
STANLY COMMUNITY COLLEGE - ADN	0	0	75	33	0	0	44.0
SURRY COMMUNITY COLLEGE - ADN	0	0	42	42	0	0	100.0
VANCE-GRANVILLE COMMUNITY COLLEGE - ADN	0	0	55	41	0	0	74.5
WAKE TECHNICAL COMMUNITY COLLEGE - ADN	78	57	83	58	0	0	71.4
WAYNE COMMUNITY COLLEGE - ADN	0	0	48	18	0	0	37.5
WESTERN PIEDMONT COMMUNITY COLLEGE - ADN	0	0	59	25	0	0	42.4
WILKES COMMUNITY COLLEGE - ADN	0	0	41	22	0	0	53.7
WILSON COMMUNITY COLLEGE - ADN	0	0	54	36	0	0	66.7
TOTAL	432	258	2886	1755	40	19	
NC AVERAGE FOR ALL ADN/ASN PROGRAMS							60.5

Dip-PN Programs

Program/Semester	Fall 2016		Spring 2017		Summer 2017		Yearly Completion Rate
	Start	Completed	Start	Completed	Start	Completed	
BEAUFORT COUNTY COMMUNITY COLLEGE	0	0	0	0	27	17	63.0
BLADEN COMMUNITY COLLEGE	0	0	0	0	22	22	100.0
BRUNSWICK COMMUNITY COLLEGE	0	0	24	11	0	0	45.8
CAPE FEAR COMMUNITY COLLEGE	0	0	0	0	25	21	84.0
CARTERET COMMUNITY COLLEGE	0	0	0	0	7	6	85.7
CENTRAL CAROLINA COMMUNITY COLLEGE	0	0	0	0	21	17	81.0
CLEVELAND COMMUNITY COLLEGE	15	0	14	0	11	11	27.5
COASTAL CAROLINA COMMUNITY COLLEGE	0	0	17	17	0	0	100.0
COLLEGE OF THE ALBEMARLE	0	0	0	0	17	15	88.2
Craven Community College	0	0	0	0	10	10	100.0
DAVIDSON COUNTY COMMUNITY COLLEGE	0	0	0	0	16	13	81.3
DURHAM TECHNICAL COMMUNITY COLLEGE	40	16	0	0	44	22	45.2
ECPI UNIVERSITY - CHARLOTTE	17	5	73	17	12	4	25.5
ECPI UNIVERSITY - GREENSBORO	30	15	48	21	37	3	33.9
ECPI UNIVERSITY - RALEIGH	33	9	29	4	20	9	26.8
EDGECOMBE COMMUNITY COLLEGE	0	0	0	0	20	12	60.0
FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE	72	0	48	0	43	43	26.4
FORSYTH TECHNICAL COMMUNITY COLLEGE	0	0	0	0	87	68	78.2
GASTON COLLEGE	0	0	0	0	78	52	66.7
GUILFORD TECHNICAL COMMUNITY COLLEGE	23	0	20	0	20	20	31.7
HALIFAX COMMUNITY COLLEGE	0	0	12	4	0	0	33.3
ISOTHERMAL COMMUNITY COLLEGE	0	0	30	16	0	0	53.3
JAMES SPRUNT COMMUNITY COLLEGE	0	0	0	0	20	7	35.0
LENOIR COMMUNITY COLLEGE	0	0	0	0	22	6	27.3
MAYLAND COMMUNITY COLLEGE	0	0	0	0	0	0	0.0
MCDOWELL TECHNICAL COMMUNITY COLLEGE	0	0	0	0	32	20	62.5
MONTGOMERY COMMUNITY COLLEGE	0	0	33	29	0	0	87.9
NASH COMMUNITY COLLEGE	0	0	0	0	14	11	78.6
RICHMOND COMMUNITY COLLEGE	0	0	0	0	20	10	50.0
ROBESON COMMUNITY COLLEGE	0	0	0	0	26	16	61.5
ROCKINGHAM COMMUNITY COLLEGE	0	0	0	0	15	13	86.7
ROWAN-CABARRUS COMMUNITY COLLEGE	0	0	0	0	22	13	59.1
SAMPSON COMMUNITY COLLEGE	0	0	0	0	16	12	75.0
SOUTH PIEDMONT COMMUNITY COLLEGE	0	0	0	0	23	13	56.5
SOUTHEASTERN COMMUNITY COLLEGE	16	10	0	0	0	0	62.5
SURRY COMMUNITY COLLEGE	8	7	0	0	0	0	87.5
VANCE-GRANVILLE COMMUNITY COLLEGE	0	0	0	0	20	16	80.0
WAYNE COMMUNITY COLLEGE	0	0	0	0	20	17	85.0
WILSON COMMUNITY COLLEGE	0	0	0	0	22	16	72.7
TOTAL	254	62	348	119	789	535	
NC AVERAGE FOR ALL DIP-PN PROGRAMS							51.5