

**North Carolina Trends in Nursing Education: 2007 – 2012**



**April 2013**

This report was prepared by the North Carolina Board of Nursing

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**April 2013**  
**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 all entry-level nursing education programs to the North Carolina Board of Nursing each year during the month of October.** The nursing education pipeline data will contribute to the analysis of how well current policy initiatives are being met, as well as determination of what new policies might be needed to ensure adequate future nursing resources.

Findings from this year's analysis compared to 2011 data, show a reported decrease in the percentage of qualified applicants admitted to BSN and BSN-Accelerated programs, and an increase in qualified applicants admitted to the two hospital diploma in registered nursing programs. The percentage of qualified applicants admitted to associate degree nursing (ADN) and practical nursing (PN) programs has been relatively stable over the past five years. The number of new enrollees in PN, ADN, and BSN-Accelerated programs increased while BSN enrollment remained relatively stable. The total number of graduates from ADN and PN programs shows a downward trend from 2010 to 2012. The number of graduates remains relatively stable from BSN and hospital diploma programs with graduate numbers from BSN-Accelerated programs increasing steadily since 2007.

Findings from the 2012 analysis show the majority of prelicensure nursing students in NC are female between the ages of 21 and 30. Students over 30 are primarily enrolled in diploma, PN, ADN, and RN-BSN programs with students age 17-20 enrolled in BSN programs. The majority of enrolled students are Caucasian with African-Americans the second highest in number.

Program directors reported 115 full-time faculty vacancies and 125 part-time faculty vacancies with the majority of vacancies in the specialty of medical-surgical nursing. Educational preparation for full-time nursing faculty is primarily a masters degree with doctoral prepared faculty reported at 18.5% and 30.3% in BSN and BSN-Accelerated programs respectively.

Consistent with our strategic initiative to enhance the Board's proactive leadership in public protection by supporting innovations in education and practice that promote a competent nursing workforce, we continue to gather annual supply data on the nursing student population and trends and make this information available to educators, employers, and other interested parties. The 3-year on-time completion rate is not included in this report analysis and notification will be announced when the report becomes available. Questions about the information in this report can be directed to Crystal Harris, Education Manager, at [charris@ncbon.com](mailto:charris@ncbon.com) or Janet Arthurs, Education Consultant, at [jarthurs@ncbon.com](mailto:jarthurs@ncbon.com).

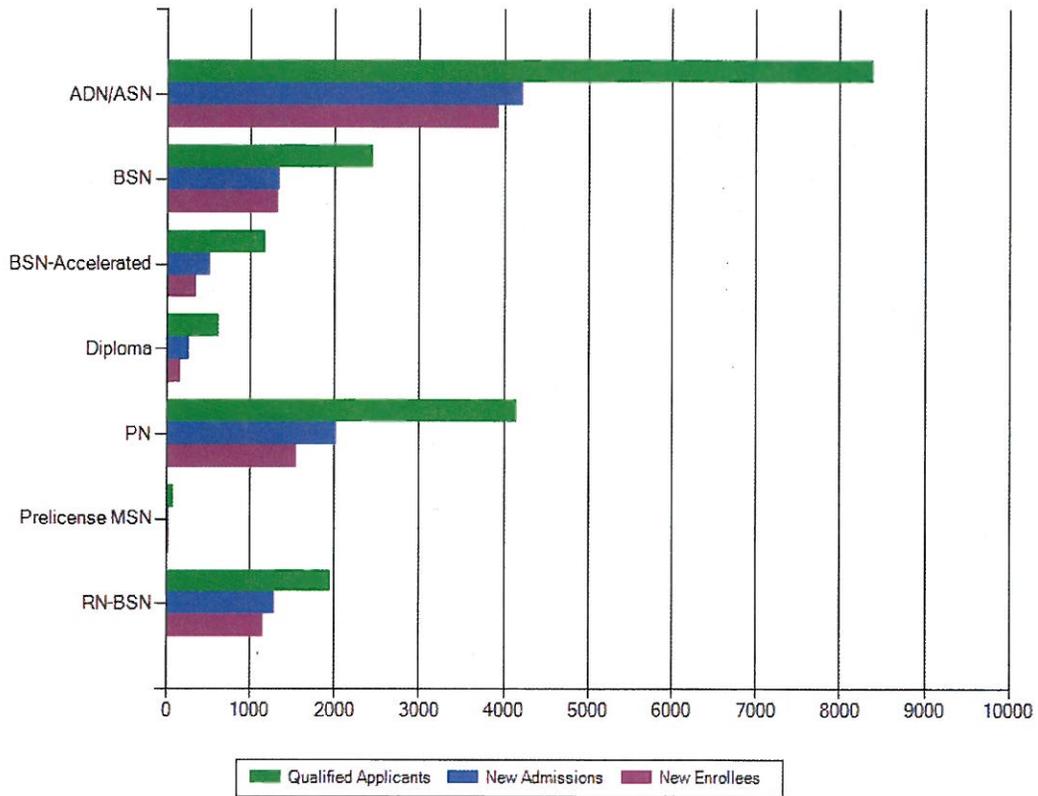
# North Carolina Trends in Nursing Education 2007-2012

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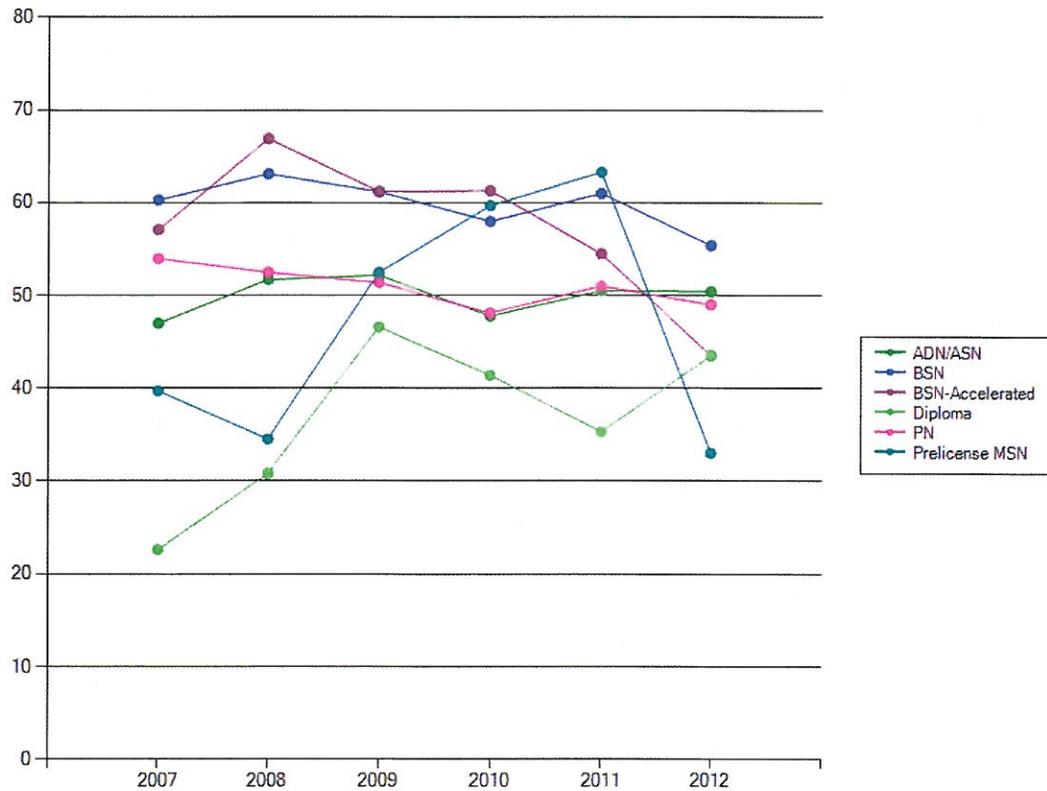
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Applications, Admissions, and New Enrollees by Nursing Program and Student Types, Academic Year 2011-2012



	Qualified Applicants	New Admissions	New Enrollees
<b>Pre-Licensure</b>			
<b>ADN/ASN</b>	8394	4232	3937
<b>BSN</b>	2453	1358	1339
<b>BSN-Accelerated</b>	1191	518	348
<b>Diploma</b>	626	272	164
<b>PN</b>	4153	2034	1561
<b>Prelicense MSN</b>	94	31	29
<b>Total</b>	<b>16911</b>	<b>8445</b>	<b>7378</b>
<b>Post-Licensure</b>			
<b>RN-BSN</b>	1956	1296	1170
<b>Total</b>	<b>1956</b>	<b>1296</b>	<b>1170</b>

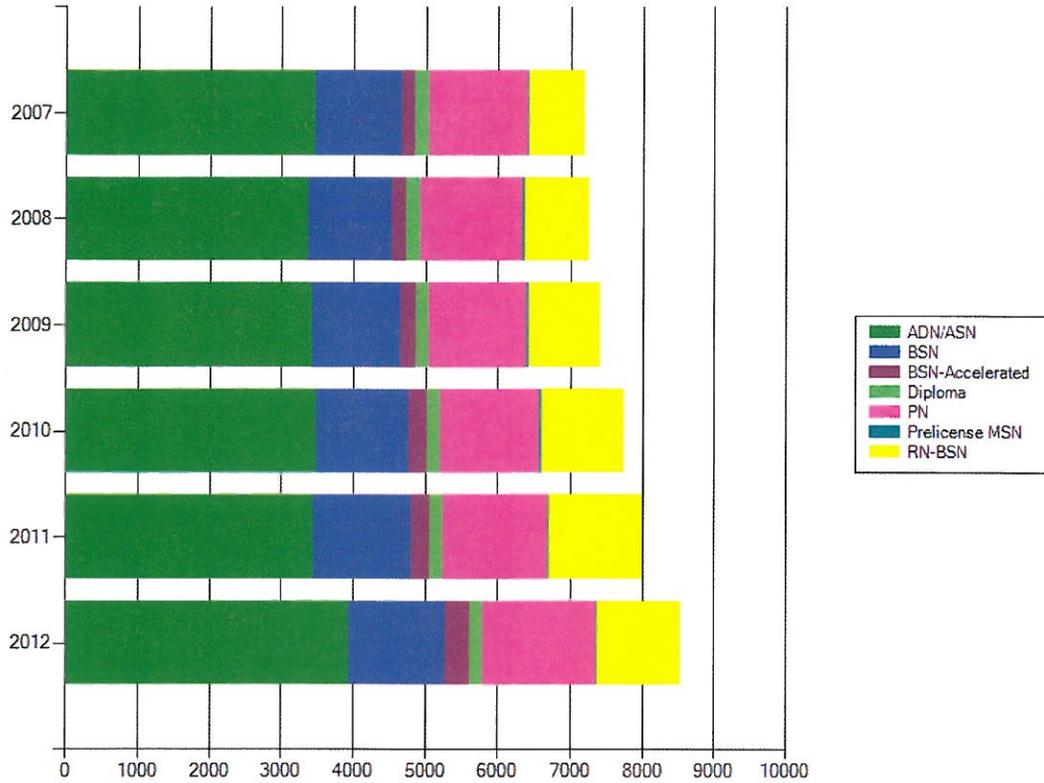
## Trends in the Percent of Qualified Applicants Admitted to North Carolina Nursing Education Programs



Pre-Licensure						
	ADN/ASN	BSN	BSN-Accelerated	Diploma	PN	Prelicense MSN*
<b>2007</b>	47.0	60.3	57.1	22.6	54.0	39.7
<b>2008</b>	51.7	63.1	66.9	30.8	52.5	34.5
<b>2009</b>	52.2	61.2	61.2	46.6	51.4	52.5
<b>2010</b>	47.8	58.0	61.3	41.4	48.1	59.7
<b>2011</b>	50.5	61.0	54.5	35.3	51.0	63.3
<b>2012</b>	50.4	55.4	43.5	43.5	49.0	33.0

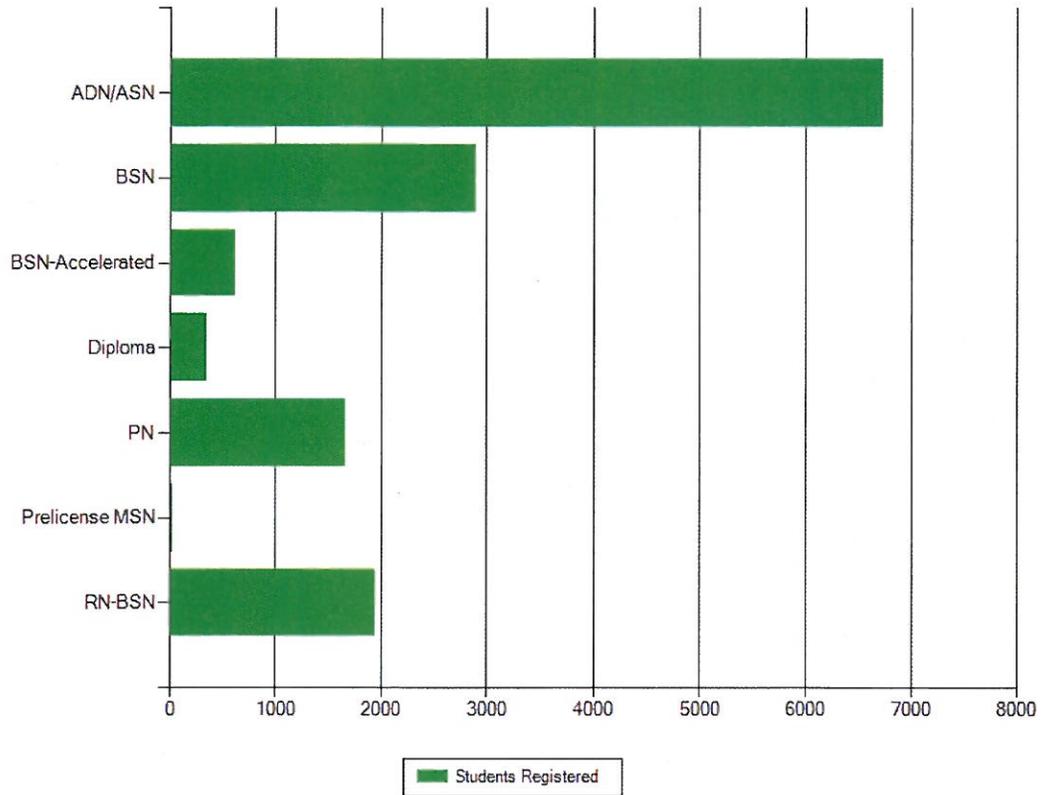
\* Last year of Entry Level MSN

## Trends in New Student Enrollments by Nursing Program and Student Types



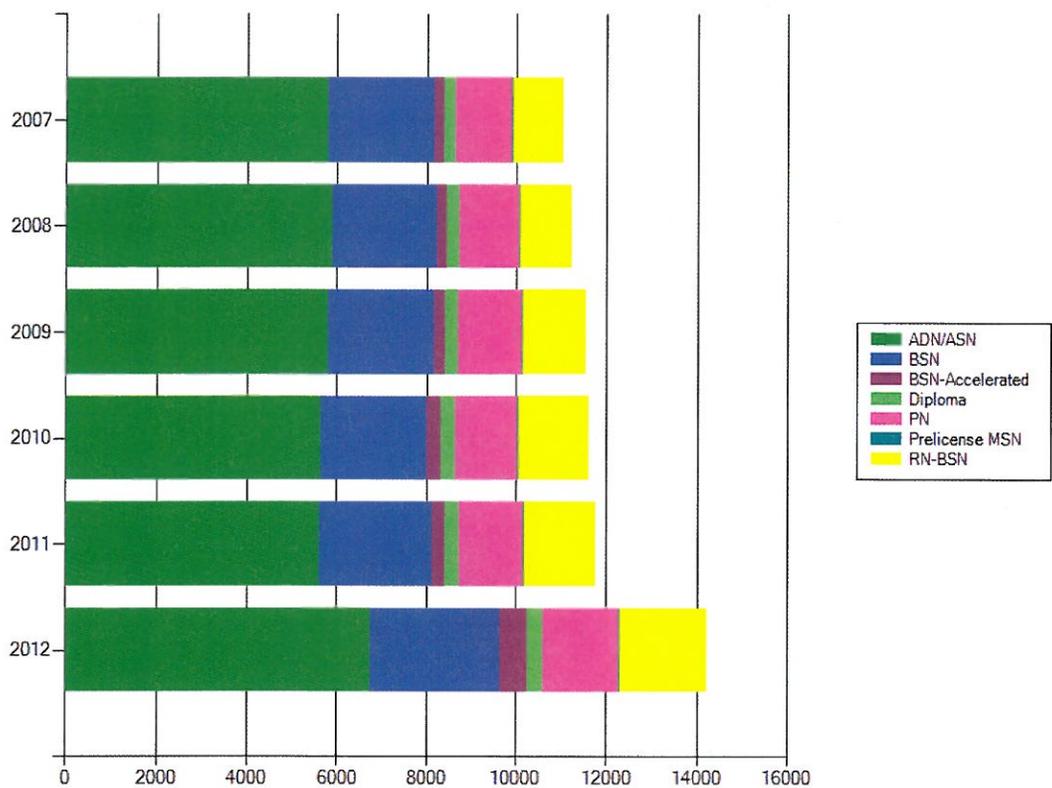
	Pre-Licensure						Post-Licensure
	ADN/ASN	BSN	BSN-Accelerated	Diploma	PN	Prelicense MSN	RN-BSN
<b>2007</b>	3465	1204	186	192	1358	24	773
<b>2008</b>	3362	1165	196	202	1408	30	890
<b>2009</b>	3424	1237	202	177	1354	32	998
<b>2010</b>	3484	1286	260	176	1365	29	1160
<b>2011</b>	3452	1365	241	179	1442	30	1304
<b>2012</b>	3937	1339	348	164	1561	29	1170

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



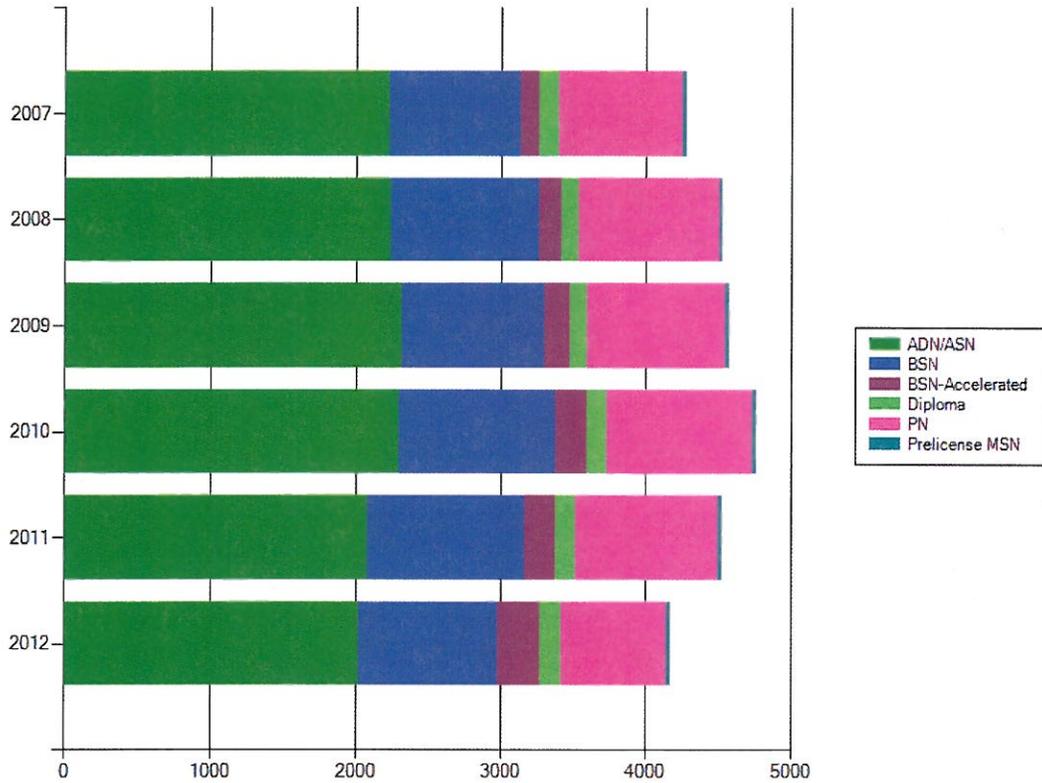
Students Registered	
<b>Pre-Licensure</b>	
ADN/ASN	6738
BSN	2905
BSN-Accelerated	617
Diploma	347
PN	1662
Prelicense MSN	29
<b>Total</b>	<b>12298</b>
<b>Post-Licensure</b>	
RN-BSN	1946
<b>Total</b>	<b>1946</b>

Trends in Total Enrollment in North Carolina Nursing Education Programs as of Oct. 1



	Pre-Licensure						Post-Licensure
	ADN/ASN	BSN	BSN-Accelerated	Diploma	PN	Prelicense MSN	RN-BSN
<b>2007</b>	5801	2367	219	242	1281	24	1125
<b>2008</b>	5879	2344	243	274	1333	30	1131
<b>2009</b>	5804	2356	260	300	1399	32	1392
<b>2010</b>	5636	2381	318	298	1413	29	1535
<b>2011</b>	5608	2538	290	299	1418	29	1600
<b>2012</b>	6738	2905	617	347	1662	29	1946

## Trends in Total Graduates from North Carolina Nursing Education Programs



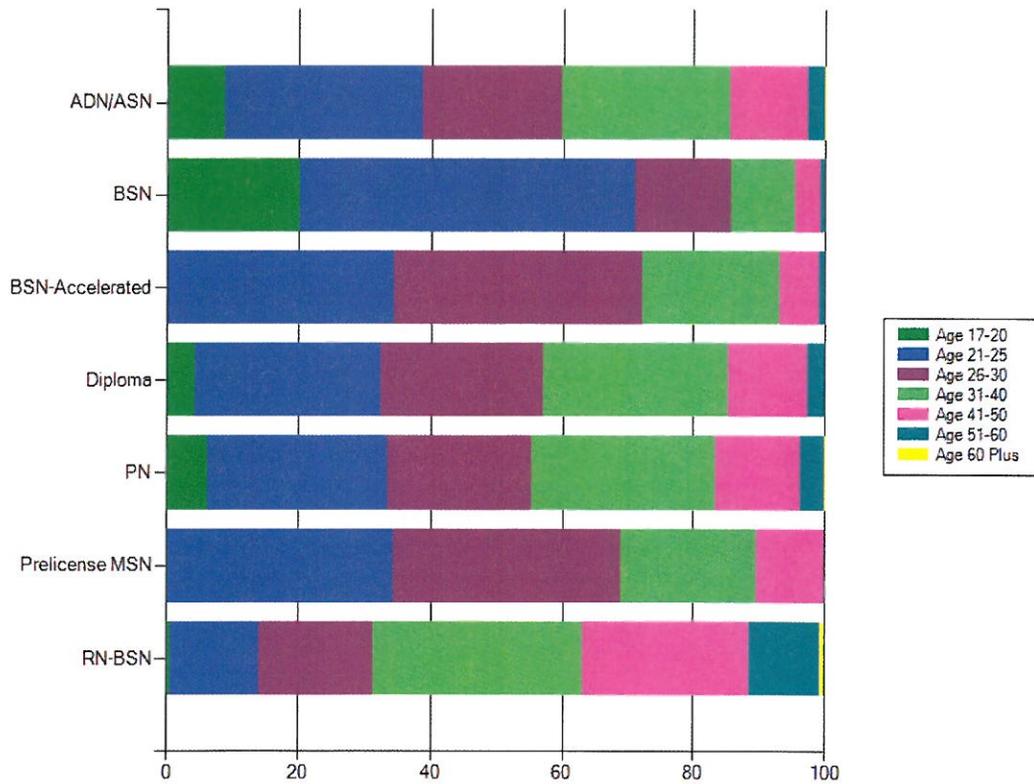
	Pre-Licensure					
	ADN/ASN	BSN	BSN-Accelerated	Diploma	PN	Prelicense MSN
<b>2007</b>	2233	908	129	130	856	26
<b>2008</b>	2238	1033	153	118	967	22
<b>2009</b>	2313	990	175	124	950	26
<b>2010</b>	2294	1090	211	143	1000	29
<b>2011</b>	2078	1094	216	136	978	28
<b>2012</b>	2019	960	297	147	729	28

Student Race/Ethnicity Enrolled in NC as of Oct. 1

	Asian	Black/African American	Caucasian	Hispanic	Native American	Pacific Islander	Other or Unknown	Total Student Enrollment
<b>Pre-Licensure</b>								
<b>ADN/ASN</b>	134	720	4799	174	96	13	150	6086
<b>BSN</b>	76	507	1850	67	22	11	120	2653
<b>BSN-Accelerated</b>	24	78	385	14	3	2	20	526
<b>Diploma</b>	6	30	293	6	3	0	9	347
<b>PN</b>	19	487	810	35	36	7	45	1439
<b>Prelicense MSN</b>	0	3	22	1	1	0	2	29
<b>Total</b>	<b>259</b>	<b>1825</b>	<b>8159</b>	<b>297</b>	<b>161</b>	<b>33</b>	<b>346</b>	<b>11080</b>
<b>Post-Licensure</b>								
<b>RN-BSN</b>	40	260	1105	21	29	5	126	1586
<b>Total</b>	<b>40</b>	<b>260</b>	<b>1105</b>	<b>21</b>	<b>29</b>	<b>5</b>	<b>126</b>	<b>1586</b>

Total enrollment reflected in the above table differs from total reflected on p. 4 due to wording of the question on the Annual Report. Some programs included all students enrolled October 1 through October 1 instead of students currently enrolled on October 1st.

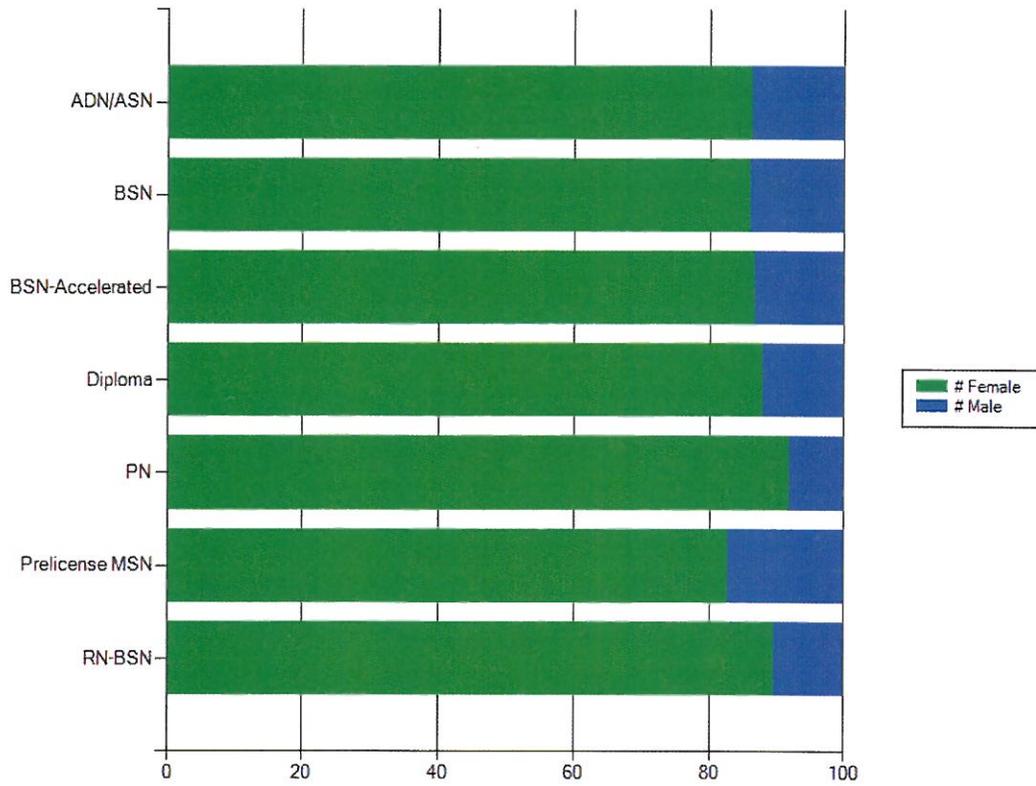
## Age Profile of Nursing Students Enrolled in North Carolina as of Oct. 1



	Age 17-20	Age 21-25	Age 26-30	Age 31-40	Age 41-50	Age 51-60	Age 60 plus	Total Enrolled
<b>Pre-Licensure</b>								
<b>ADN/ASN</b>	533	1823	1289	1557	720	157	7	6086
<b>BSN</b>	535	1353	385	260	102	18	0	2653
<b>BSN-Accelerated</b>	0	181	199	110	31	5	0	526
<b>Diploma</b>	15	98	85	98	42	9	0	347
<b>PN</b>	90	395	311	403	185	53	2	1439
<b>Prelicense MSN</b>	0	10	10	6	3	0	0	29
<b>Total</b>	<b>1173</b>	<b>3860</b>	<b>2279</b>	<b>2434</b>	<b>1083</b>	<b>242</b>	<b>9</b>	<b>11080</b>
<b>Post-Licensure</b>								
<b>RN-BSN</b>	12	213	275	502	403	170	11	1586
<b>Total</b>	<b>12</b>	<b>213</b>	<b>275</b>	<b>502</b>	<b>403</b>	<b>170</b>	<b>11</b>	<b>1586</b>

Total enrollment reflected in the above table differs from total reflected on p. 4 due to wording of the question on the Annual Report. Some programs included all students enrolled October 1 through October 1 instead of students currently enrolled on October 1st.

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



	# Female	% Female	# Male	% Male	Total Enrolled
<b>Pre-Licensure</b>					
<b>ADN/ASN</b>	5252	86.3	834	13.7	6086
<b>BSN</b>	2286	86.2	367	13.8	2653
<b>BSN-Accelerated</b>	456	86.7	70	13.3	526
<b>Diploma</b>	305	87.9	42	12.1	347
<b>PN</b>	1324	92.0	115	8.0	1439
<b>Prelicense MSN</b>	24	82.8	5	17.2	29
<b>Total</b>	<b>9647</b>	<b>87.1</b>	<b>1433</b>	<b>12.9</b>	<b>11080</b>
<b>Post-Licensure</b>					
<b>RN-BSN</b>	1421	89.6	165	10.4	1586
<b>Total</b>	<b>1421</b>	<b>89.6</b>	<b>165</b>	<b>10.4</b>	<b>1586</b>

Total enrollment reflected in the above table differs from total reflected on p. 4 due to wording of the question on the Annual Report. Some programs included all students enrolled October 1 through October 1 instead of students currently enrolled on October 1st.

Characteristics of Full- and Part-time Faculty in Nursing Education Programs as of Oct. 1

	Full-Time					Part-Time				
	Total #	% Bacc	% Masters	% Doctorate	% Enrolled in Grad School	Total #	% Bacc	% Masters	% Doctorate	% Enrolled in Grad School
<b>Pre-Licensure</b>										
<b>ADN/ASN</b>	518	9.7	63.3	1.7	19.1	650	44.2	38.8	0.9	17.1
<b>BSN</b>	357	1.7	52.9	18.5	32.8	185	17.3	76.2	2.7	18.4
<b>BSN-Accelerated</b>	76	0.0	34.2	30.3	28.9	64	18.8	67.2	6.3	31.3
<b>Diploma</b>	30	0.0	50.0	0.0	10.0	3	0.0	33.3	0.0	0.0
<b>PN</b>	144	29.9	56.9	0.7	34.7	138	42.0	42.0	0.0	22.5
<b>Prelicense MSN</b>	4	0.0	75.0	0.0	0.0	2	0.0	100.0	0.0	0.0
<b>Total</b>	<b>1129</b>					<b>1042</b>				
<b>Post-Licensure</b>										
<b>RN-BSN</b>	66	1.5	42.4	24.2	56.1	14	0.0	78.6	0.0	42.9
<b>Total</b>	<b>66</b>					<b>14</b>				

Vacant Faculty Positions by Full- and Part-time as of Oct. 1

	Full-Time						Part-Time					
	Total #	Medical/Surgical	Maternal/Child	Mental/Health	Community	Other	Total #	Medical/Surgical	Maternal/Child	Mental/Health	Community	Other
<b>Pre-Licensure</b>												
<b>ADN/ASN</b>	50	36	7	1	0	6	64	47	15	2	0	0
<b>BSN</b>	42	9	10	4	4	15	25	11	10	2	1	1
<b>BSN-Accelerated</b>	9	3	2	1	3	0	21	13	6	0	1	1
<b>Diploma</b>	3	2	1	0	0	0	1	1	0	0	0	0
<b>PN</b>	11	11	0	0	0	0	14	11	3	0	0	0
<b>Prelicense MSN</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>115</b>	<b>61</b>	<b>20</b>	<b>6</b>	<b>7</b>	<b>21</b>	<b>125</b>	<b>83</b>	<b>34</b>	<b>4</b>	<b>2</b>	<b>2</b>
<b>Post-Licensure</b>												
<b>RN-BSN</b>	6	2	1	0	0	3	4	1	1	0	0	2
<b>Total</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>

### Accreditation Trends by Program Type

	Pre-Licensure												Post-Licensure	
	ADN/ASN		BSN		BSN-Accelerated		Diploma		PN		Prelicense MSN		RN-BSN	
	Total Pgms Accr.	% Accr. of total ADN/ASN Pgms	Total Pgms Accr.	% Accr. of total BSN Pgms	Total Pgms Accr.	% Accr. of total BSN-Accelerated Pgms	Total Pgms Accr.	% Accr. of total Diploma Pgms	Total Pgms Accr.	% Accr. of total PN Pgms	Total Pgms Accr.	% Accr. of total Prelicense MSN Pgms	Total Pgms Accr.	% Accr. of total RN-BSN Pgms
<b>2012</b>	18	30.5	16	88.9	7	100.0	2	100.0	4	9.8	1	100.0	15	100.0