



STATE OF WASHINGTON

DEPARTMENT OF HEALTH

NURSING CARE QUALITY ASSURANCE COMMISSION

NURSING EDUCATION PROGRAMS
2007-2008 ANNUAL SCHOOL REPORT

STATISTICS SUMMARY AND TRENDS ANALYSIS



DOH 669-269 (Revised September 2009)

Public Health – *Always Working for a Safer and Healthier Washington*

Table of Contents

EXECUTIVE SUMMARY.....	3
SURVEY BACKGROUND.....	3
SURVEY PARTICIPANTS.....	3
DATA OVERVIEW.....	3
PRE-LICENSURE PROGRAM STATISTICS FOR 2007-2008.....	4
DATA TRENDS.....	4
NCLEX® FIRST-TIME TAKERS STATISTICS CHART.....	5
TWO ACADEMIC YEARS (2006-2008).....	6
ATTRITION AND ADMISSION.....	6-7
POST-LICENSURE PROGRAM-GRADUATE STATISTICS.....	7-8
PRE-LICENSURE CLINICAL HOURS.....	9-10
TOTAL MEDICAL-SURGICAL CLINICAL HOURS.....	10
NURSING SHORTAGE.....	11
ENROLLMENT.....	11
CLINICAL PLACEMENT.....	11-12
NURSING FACULTY SHORTAGE.....	12
PRE-LICENSURE NURSING PROGRAMS – FREQUENTLY ASKED QUESTIONS.....	13-15
APPENDIX A – <i>Approved Schools of Nursing in Washington</i>.....	16-18
APPENDIX B - <i>NCLEX® School Reports: ADN-LPN-BSN/GE</i>.....	20-22

Acronyms

AD-RN.....	Associate Degree in Nursing – Registered Nurse
ARNP.....	Advanced Registered Nurse Practitioner
BSN.....	Bachelor of Science in Nursing – Registered Nurse
LPN.....	Licensed Practical Nurse
GE.....	Graduate Entry Programs – Registered Nurse
MSN.....	Masters of Science Nursing
NCLEX®.....	National Council Licensure Examination
NCQAC.....	Nursing Care Quality Assurance Commission
RN.....	Registered Nurse
RNB.....	Registered Nurse Bachelors (Bachelor’s degree programs for licensed RNs)

NURSING PROGRAMS ANNUAL REPORT

2007- 2008 ACADEMIC YEAR

EXECUTIVE SUMMARY

Survey Background

The Nursing Care Quality Assurance Commission (NCQAC) requires all nursing programs to report annually [WAC 246-840-520(3)]. This report summarizes data and data trends from Washington State nursing programs.

Survey Participants

Washington State has 39 approved pre-licensure nursing programs. Three programs offer only practical nursing (PN). Eight programs offer only associate degree registered nursing programs (AD-RN). 20 programs offer both PN and AD-RN programs. Eight universities offer baccalaureate degree programs (BSN). Three of the university programs offer graduate entry RN programs (GE). Appendix A includes a list of all approved programs.

Data Overview

All levels of pre-licensure programs report increased production since 2003. This increase is slowing. PN programs are stable at around 700 graduates yearly. This is a 9% increase in PN graduates since 2003-2004 but a 12% decrease from 2006-2007. RN programs show a 2% increase from 2006-2007 and a 74% increase from 2003-2004.

There is a 76% increase in candidates taking the RN examination since 2003. This is a 16% increase of RN candidates from the previous calendar year. PN candidates taking the examination have not increased since 2003. There is a 6% decrease of PN candidates from the previous calendar year.

RNs seeking a bachelor's degree in nursing (RNB) increased in one year. There was a 25% increase in graduates in 2007-2008. There was a 64% increase in enrollment in RNB programs.

Nurses graduating with advanced degrees increased in one year. There was a 13% increase in ARNP graduates. Master's degree graduates (not ARNP) increased by 33%. Master's degree graduates with a focus on nursing education increased 32%. 18 individuals earned a doctoral degree in nursing in 2007-2008, a 38% increase.

Nursing programs report increasing difficulty filling nursing faculty positions. Between 3-5% of nursing faculty left nursing programs due to higher salaries offered elsewhere. Programs report a 122% increase in the number of individuals who turned down full-time job offers due to low salaries. Programs also report a 95% increase in the number of individuals who turned down part-time faculty positions due to low salaries.

Nursing programs are struggling to identify clinical learning sites. The number of programs reporting adequate clinical sites has decreased by 44% since 2004-2005.

2007-2008 PRE-LICENSURE PROGRAM STATISTICS

There are two ways to measure production of new nurses in Washington State:

- the number of program graduates reported by academic year;
- the number of candidates who take the national licensing examination for the first time by calendar year.

Data Trends

Since 2003, both sets of data show a dramatic increase in the number of licensed nurse program graduates and candidates. These data are illustrated in Figures 1 and 2.

Figure 1

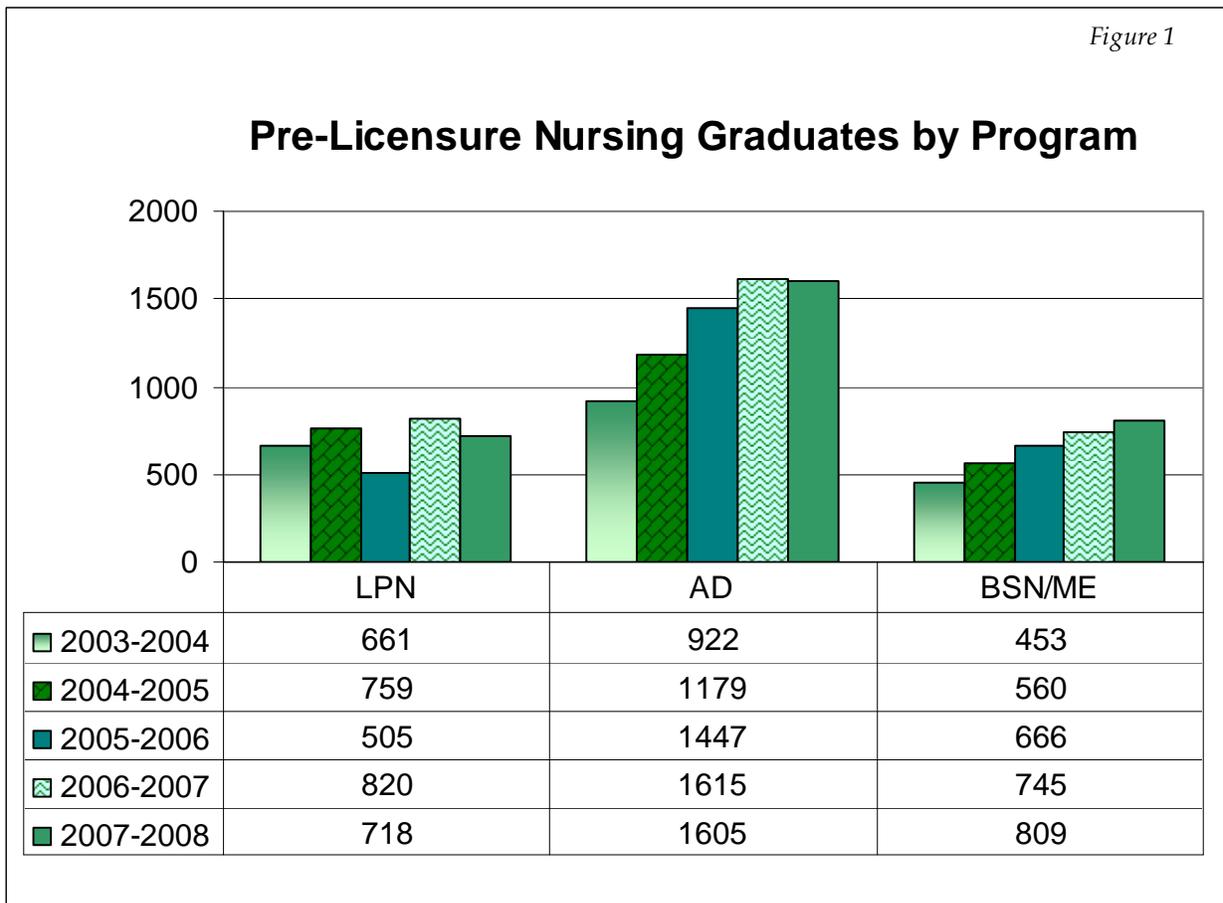
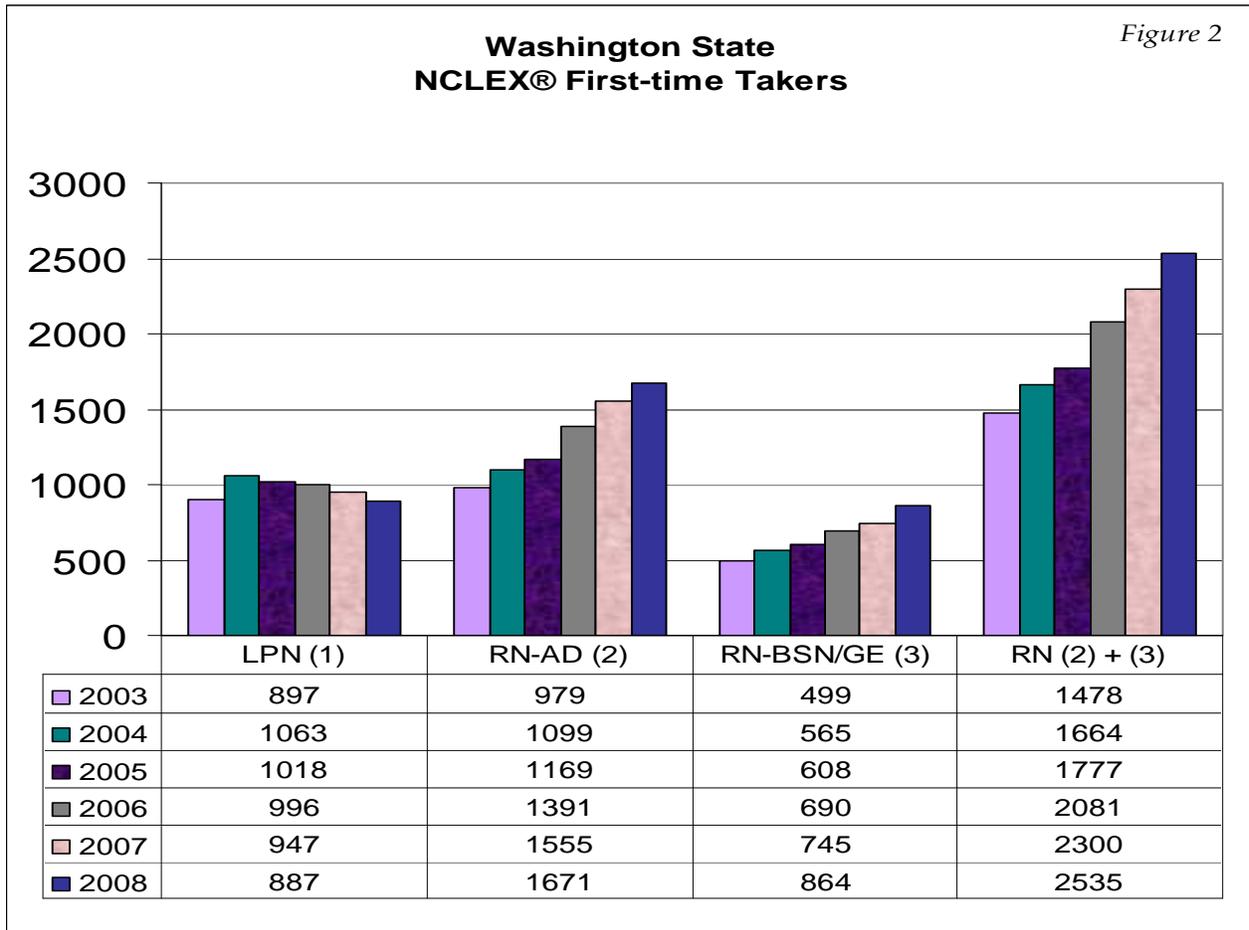


Figure 2



Associate degree registered nursing programs production.

- 1605 graduates in academic year 2007-2008. This is an increase of 74% since 2003-2004 (922 graduates).
- 1671 first time test takers in calendar year 2008. This is an increase of 70% since 2003 (979 candidates).

Baccalaureate and graduate entry registered nurse programs increased production.

- Graduates increased to 809 in academic year 2007-2008. This is a 78% increase since 2003-2004 (453 graduates).
- First time test takers increased to 864 in calendar year 2007. This is a 73% increase in candidates since 2003 (499 candidates).

The total number of new registered nurses (associate degree + baccalaureate degree + graduate entry) in Washington State continues to increase.

- 2414 graduated from nursing programs in 2007-2008; 1375 graduated in 2003-2004. This increase of 1039 graduates over five years is an 76% increase.
- 2535 first time test takers in 2008. This is a 72% increase in new Washington State candidates for registered nurse licensure since 2003 (1478 candidates).

Practical nursing programs have slightly decreased their production.

- 718 graduated from practical nursing programs in 2007-2008. This is a 9% increase since academic year 2003-2004, when there were 661 graduates. However, 820 practical nurses graduated in 2006-2007, which represents a decrease of 102 graduates.
- In 2008, 887 candidates from Washington state practical nursing programs took the national exam. This is a 1% decrease since 2003, when 897 candidates tested. The 887 candidates is a drop of 60 candidates from 2007 (947 first-time test takers).

Two Academic Years (2006-2008)

Associate degree RN (AD-RN) programs graduate numbers remained steady over the last two academic years (2006-2007 = 1615; 2007-2008 = 1605). There was a 7% increase in AD-RN candidates taking the national licensing examination over the last two calendar years (2007 = 1555; 2008=1671).

Baccalaureate (BSN) and graduate entry (GE) programs increased graduates by 8% over the last two academic years (2006-2007 = 745; 2007-2008 = 809). The number of BS/GE candidates taking the national licensing examination increased 16% over the last two calendar years (2007 = 745; 2008 = 864).

The rate of increase in total RN production continues to slow (AD-RN + BSN/GE). There was only a 2% increase in RN program graduates from 2006-2007 (2360) to 2007-2008 (2414). The number of RN program candidates taking the national licensing examination increased 10% from calendar year 2007 (2300) to 2008 (2535).

The number of graduates of practical nursing programs has decreased by 12% (2006-2007 = 820; 2007-2008 = 718). There was a 6% decrease in the number of candidates taking the national pre-licensure examination for practical nurses over the calendar years 2007 (947) and 2008 (887).

Attrition and Admission

Attrition rates represent qualified students who were unsuccessful in completing the nursing program. There is a consistent trend for the attrition rate to decrease as the educational program level increases.

- Practical nursing programs in 2006-2007 reported an attrition rate of 18% (198) and 22% in 2007-2008 (175).
- Associate degree registered nursing programs reported in 2006-2007 an attrition rate of 14% (267) and 15% in 2007-2008 (293).
- Baccalaureate and graduate entry programs reported a 6% attrition rate for 2006-2007 (31), and 3% attrition rate in 2007-29 = 2008 (31).

All program levels received more qualified applicants for admission into the program than there was space available in 2007-2008.

- Practical nursing programs had space for 782 students. The programs received 1400 qualified applications (a 56% admission rate).
- Associate degree registered nursing programs had space for 1956 students. The programs received 4264 qualified applications (a 46% admission rate).
- Baccalaureate and graduate entry RN programs received 2196 applications. The programs admitted 904 (a 41% admission rate).

There may be overlap among the qualified applicants, with individuals applying to more than one nursing program. However, it is clear there are qualified applicants not admitted to Washington State nursing programs. (Data from the Washington Center for Nursing indicate approximately a 26% overlap in applications among nursing programs.)

2007-2008 POST-LICENSURE PROGRAM STATISTICS

One measure of a quality-nursing workforce is the ongoing education of licensed nurses. There is a career ladder of licensed practical nurse to associate degree RN, to a baccalaureate degree in nursing. The baccalaureate degree RN can then progress to a master's or doctoral degree. This ongoing education implies a workforce that is continually seeking quality improvement.

In 2007-2008, associate degree RN programs reported 668 LPNs were enrolled. This is a decrease of 15% in LPN to AD-RN candidates in one academic year.

Associate degree registered nurses (AD-RN) seek bachelor's degrees in nursing (RNB) to increase their knowledge base and for career advancement. The RNB programs are designed for working nurses. Many of the AD-RN programs have articulation agreements with RNB programs. These articulation agreements facilitate career progression for the associate degree RN graduates. In 2002-2003 and 2003-2004, 195-200 RNs received their bachelor's degree. In the last four academic years, the numbers have been consistently above 200 graduates:

2004-2005:	251
2005-2006:	209
2006-2007:	231
2007-2008:	290

The RNB programs also reported enrollment figures for the last four years:

2004-2005:	475
2005-2006:	690
2006-2007:	506
2007-2008:	838

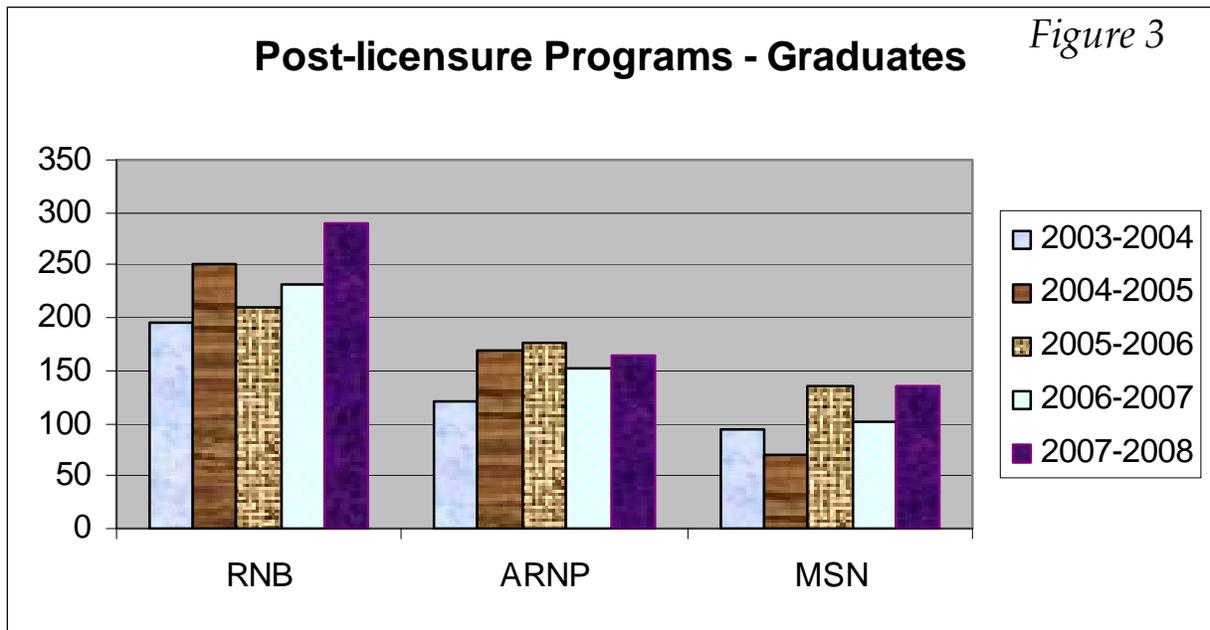
This is a sizable increase in both enrollment and graduates of RNB programs in Washington State.

One reason registered nurses seek master's degrees is to qualify for roles as advanced registered nurse practitioners (ARNP). ARNPs include nurse practitioners, nurse anesthetists, and nurse midwives. 171 new ARNP graduates in 2007-2008 is a 13% increase from 2006-2007 (151). Consistent with the previous year, the most common specialty among new ARNP graduates is Family Nurse Practitioner (108). Psychiatric mental health remains a distant second (27). ARNP programs reported that 76% of the qualified applicants were admitted to the programs (214/281).

Registered nurses also seek master's degrees to qualify for administrative or faculty roles. Master's degree graduates (not ARNP) also increased. 135 individuals graduated with a masters in 2007-2008. This is a 33% increase from 2006-2007 (101 master's degrees), and nearly matches the 136 master's degree graduates from 2005-2006.

Please see figure 3 below, illustrating the RNB, ARNP, and Master's degree (not ARNP) data.

Figure 3



There is an increasing shortage of master's degree nurses prepared for a faculty role. Programs report numbers of individuals who include an education track in their nursing master's degree program. Nursing education master's degree graduates for the past four years demonstrate an increasing interest in nursing education:

2004-2005:	24
2005-2006:	34
2006-2007:	32
2007-2008:	48

In addition, 18 individuals graduated with a PhD degree from a Washington State nursing program in 2007-2008. This is an increase from 13 in 2006-2007, and ten in 2005-2006.

PRE-LICENSURE CLINICAL HOURS

The rules governing nursing education in Washington State do not specify a minimum number of clinical or theory hours for the required content areas. Access to quality clinical learning experiences is a major issue for our nursing programs and has become an acute problem as programs try to expand. Large variances among programs have been noted, including for example, some LPN programs requiring more clinical hours in psychiatric or pediatric (care of children) nursing than some RN programs. Although not required in rule, research is showing that role transition from nursing student to licensed nurse is facilitated by clinical experiences at the end of the nursing program where the soon-to-be-graduate is paired with a licensed nurse. To aid nursing faculty in evaluating clinical hour requirements in their nursing program, pre-licensure clinical hours are presented below. The data are organized both by content area and by type of licensed nursing program.

Fundamentals

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	30-112	0-32	40-132	30-195
Means (average)	56	3	75	108
Median (mid-point)	56	0	70	120
	<i>(12 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Medical-Surgical

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	72-421	44-255	106-500	112-450
Means (average)	188	117	288	203
Median (mid-point)	140	110	260	200
	<i>(14 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Critical Care

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	8-24	0-50	0-106	0-120
Means (average)	8	20	27	42
Median (mid-point)	18	18	20	42
	<i>(6 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Total Medical Surgical

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	160-472	80-271	216-596	240-600
Means (average)	253	141	395	332
Median (mid-point)	198	111	352	346
	<i>(14 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Obstetrics

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	16-120	0-64	16-130	120
Means (average)	35	28	55	80
Median (mid-point)	32	28	44	75
	<i>(14 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Pediatrics

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	8-56	15-80	16-87	72-123
Means (average)	28	40	46	104
Median (mid-point)	28	32	45	112
	<i>(14 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Psychiatric

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	8-160	8-100	32-160	132
Means (average)	42	42	67	101
Median (mid-point)	30	39	54	102
	<i>(13 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Role Assimilation / Preceptorship

	<i>LPN</i>	<i>LPN to AD-RN</i>	<i>AD-RN</i>	<i>BSN/GE-RN</i>
Minimum/Maximum	48-160	0-230	0-355	0-252
Means (average)	61	115	113	156
Median (mid-point)	105	120	129	160
	<i>(8 programs)</i>	<i>(12 programs)</i>	<i>(21 programs)</i>	<i>(11 programs)</i>

Tracking of the clinical hours data over the last three annual reports has shown only a small variance in clinical hours. However, one trend is a decrease among all programs for total medical-surgical clinical nursing hours. Due to the dramatic expansion of nursing program enrollment, programs are having difficulty obtaining clinical rotations on adult hospital units. Some hospitals have limited the type of nursing student (LPN, AD-RN, BSN) they will accept into their agency. It also appears that some nursing programs are decreasing their clinical hours in medical-surgical nursing.

Total Medical-Surgical Clinical Hours (means/median):

	<u>05-06</u>	<u>06-07</u>	<u>07-08</u>
LPN	330/270	258/200	253/198
LPN to AD-RN	207/160	180/152	141/111
AD-RN	416/404	376/352	395/352
BS/GE	388/380	352/300	332/346

NURSING SHORTAGE

This section of the survey helps to identify how the pre-licensure nursing programs are responding to the nursing shortage.

ENROLLMENT

To gain perspective on Washington State nursing programs efforts to increase production of licensed nurses, nursing directors have been asked to give fall enrollment figures, including a five year projection. Data from the 2000 to 2007-2008 annual reports are summarized below. These data illustrate that our nursing programs continue to expand and project ongoing but smaller expansion in the future.

Fall Term Enrollments		
<i>Year</i>	<i>Enrollment</i>	<i>Trend</i>
2000	2503	
2002	3579	<i>43% increase from 2000</i>
2005	4403	<i>76% increase from 2000; 23% increase from 2002</i>
2006	4683	<i>87% increase from 2000; 6% increase from 2005</i>
2007	5582	<i>123% increase from 2000; 19% increase from 2006</i>
2012*	6198	<i>148% increase from 2000; 11% increase from 2007</i>

**Note: 2012 is projected enrollment.*

Nursing programs have managed to increase enrollment since 2000 by:

- Increasing the number of students admitted (37 programs)
- Adding another admission time (20 programs)
- Adding another pre-licensure program (17 programs)

Clinical Placement

One of the major factors limiting nursing programs ability to expand is availability of clinical sites. Since 2000, nursing programs report managing clinical placement of additional students by:

- Adding day shifts (20 programs)
- Adding weekend shifts (11 programs)
- Adding evening shifts (21 programs)
- Adding night shifts (seven programs)
- Adding out-patient sites (18 programs)
- Adding school health sites (seven programs)
- Adding home health sites (eight programs)

With the expansion of programs, there is more competition among nursing programs for the existing clinical learning experiences. Nursing programs report whether availability of clinical sites is adequate. The number of programs reporting adequate clinical sites is decreasing:

2004-2005	26
2005-2006	21
2006-2007	20
2007-2008	18

This means 21 programs are finding it difficult to identify adequate clinical sites for their programs. Nursing programs continue to report that other programs in their geographic area are impacting their ability to maintain or find clinical sites.

Nursing Faculty Shortage

Increasing the number of graduates from a pre-licensure nursing program requires increased numbers of nursing faculty. Washington State regulations require a minimum of a master's degree in nursing or a related field to teach registered nursing. Practical nursing faculty must have a minimum of a bachelor's degree in nursing. National studies continue to show an increasing shortage of nursing faculty nationwide, with all projections being that this shortage will increase. Washington State nursing programs are experiencing increasing difficulty in hiring nursing faculty.

In the two previous annual report summaries, nursing programs reported that full-time and part-time faculty were resigning due to higher salaries outside of nursing education. Programs also reported that individuals offered positions in nursing education were turning down positions due to low salaries. In 2007-2008, programs continued to experience 3-5% of nursing faculty leaving due to higher salaries outside of nursing education. The number of positions offered to potential nursing faculty who turned down the position due to low salary doubled from the previous year. 40 full-time job offers were turned down in 07-08, compared to 18 in 06-07. 39 part-time job offers were turned down in 07-08, compared to 20 in 06-07.

Nursing programs reported that approximately 16% of their full-time nursing faculty are anticipating retiring by 2012. Given the difficulty nursing programs are having finding nursing faculty currently, these retirements will only exacerbate the problem.

Strategies to retain and attract nursing faculty continue to be explored by nursing programs. Workload adjustment, sharing faculty, support for ongoing academic endeavors, and professional development are the major strategies implemented. Beyond the need for increasing nursing faculty pay, nursing programs identified faculty workload adjustment around the rigors of clinical instruction, committee work, and mentoring of new faculty as areas critical to program continuation or expansion.

**PRE-LICENSURE NURSING PROGRAMS
FREQUENTLY ASKED QUESTIONS**

This section gathers data from the nursing programs addressing commonly asked questions. The questions come from nursing program directors, college administrators, or other interested persons. Where possible, trends from previous years are summarized.

*What percentage of the **Director's position** is release time for administrative duties? How is the Director's position classified?*

There has been no significant change over the last three academic years in release time. The trend toward Director's positions being classified as administrative rather than faculty continues.

	<u>2004-2005</u>	<u>2005-2006</u>	<u>2006-2007</u>	<u>2007-2008</u>
<u>Release time</u>				
Per cent	33-100 %	5-100%	13-100%	0-100%
Mean/median	73/72%	72/75%	71/72%	75/75%
<u>Classified</u>				
Faculty	27	23	24	22
Admin	13	12	19	22

Analysis of Director's release time in relation to enrollment demonstrated additional trends. The enrollment figures only reflect pre-licensure LPN and RN students, and may not reflect the Director's total workload. Many Directors' also have responsibility over nursing assistant courses, and some may have post-licensure program responsibilities. Programs differ on the number of times nursing students are admitted, and whether nursing has full responsibility over the admissions process. Multiple campuses also impact Director workload. (WSU with its multiple campuses, directors, and over 1100 students is not included in the workload numbers below.)

Director's Release Time in Relation to Enrollment

	<u>All Programs*</u>	<u>Community/Technical**</u>
85-100% Release	(18 programs)	(14 programs)
Mean (average)	195	182
Median (midpoint)	163	160
60-75% Release	(11 programs)	(9 programs)
Mean (average)	107	103
Median (midpoint)	66	61
50% Release	(5 programs)	(4 programs)
Mean (average)	91	93
Median (midpoint)	102	105
0-33% Release	(5 programs)	(1 programs)
Mean (average)	74	164
Median (midpoint)	49	164

*except WSU

**except LPN only programs (Bates, Green River, Heritage, Skagit Valley-Whidbey Island)

With the rapid aging of the population, **gerontology** has become an area of interest for nursing education. For the last three years, programs have reported whether there is a *portion of the curriculum focusing on gerontology/ care of the aged*. The data show that nursing programs are integrating gerontology and that over the last four years this trend has shown a small increase. Only five nursing programs reported no gerontology focus in 2007-2008. Ten programs report a specific gerontology course of 1-5 credits. The range of hours for the gerontology courses across the ten programs was 10-126 hours, with 50 hours as the mean (average) and 33 hours as the median. 34 programs (including the ten just mentioned) report that gerontology is a major focus of one or more courses. 22 of the 39 programs also reported that gerontology content is disbursed throughout the curriculum.

*Is the program using a **national exam** or series of exams to help measure student learning?*

The three previous annual reports showed a steady increase in the number of programs using national examinations to help measure student learning, with the majority using one or more of ATI's nursing exams (Assessment Technologies, Inc.). The 2007-2008 annual report data shows 36 out of the 39 programs using ATI nursing exams, with two programs using no national examination and one program using HESI (Health Education Systems Inc.) upon completion of all the nursing courses. Nursing programs indicated the primary reasons for using national examinations are to identify learning needs of individual students and to identify curriculum areas that need revision. 11 programs have a standard that must be met on the national exam for graduation/ program completion.

Two nursing programs reported using the ATI-TEAS exam and the ATI-critical thinking examination for admission to the program. One program repeats the critical thinking exam upon program completion. The other content areas of ATI are used as reported below:

ATI Content Exams	Practice	Proctored	Required for Course Progression
Fundamentals	21	23	10
Nutrition	14	11	5
Pharmacology	28	23	11
Adult Med/Surg	23	24	12
Focused Med/Surg	19	14	7
Maternal/Newborn	23	25	11
Care of Children	22	24	10
Mental Health	23	24	11
Leadership/ Management	21	20	9
Community Based Nursing	18	17	7
Predictor	24	31	13

Washington State has experienced a decline in the number of **practical nursing** graduates and first time test takers since 2004. Programs were asked if they have *decreased enrollment in the practical nurse program to accommodate RN enrollment*. In the 2006-2007 annual report, two programs indicated they were decreasing practical nursing enrollment and focusing on registered nursing student enrollment. In 2007-2008, a third program indicated they also had decreased practical nursing enrollment and maintained registered nursing enrollment with lack of adequate clinical sites being the major cause. Ten schools that offer both the practical nursing and the registered nursing program indicated no change in enrollment for the two programs.

The Council of Nursing Educators in Washington State (CNEWS) has incorporated in their articulation agreement a requirement for all nursing programs to have a formal articulation agreement with another nursing education program by July 2010. The purpose of this agreement is to facilitate LPNs becoming RNs; RNs to earn bachelor's degree; bachelor degree RNs to earn graduate degrees. In order to establish baseline data, the nursing programs were asked *Does your nursing program have a **formal articulation agreement** with another nursing education program?* One of the three schools offering practical nursing programs has a formal agreement with an associate degree RN program. There are 28 schools offering the associate degree RN; 20 of these programs have formal articulation agreements with bachelor's degree programs. The other eight programs report either that the agreements are in process (2) or that no formal agreement is in place. (Please note that several schools offer both the practical nursing program and the LPN to AD-RN program, and the articulation agreement is internal to these nursing programs.)

NURSING PROGRAMS ANNUAL REPORT

2007- 2008 ACADEMIC YEAR

EXECUTIVE SUMMARY

Survey Background

The Nursing Care Quality Assurance Commission (NCQAC) requires nursing programs to report annually [WAC 246-840-520(3)]. This report summarizes data and data trends from Washington State nursing programs.

Survey Participants

Washington State has 39 approved pre-licensure nursing programs. Three programs offer only practical nursing (PN). Eight programs offer only associate degree registered nursing programs (AD-RN). Twenty programs offer both PN and AD-RN programs. Eight universities offer baccalaureate degree programs (BSN). Three of the university programs offer graduate entry RN programs (GE). Appendix A includes a list of all approved programs.

Data Overview

All levels of pre-licensure programs report increased production since the year 2003. This increase is slowing. PN programs are stable at around 700 graduates yearly. This is a 9% increase in PN graduates since 2003-2004 but a 12% decrease from 2006-2007. RN programs show a 2% increase from 2006-2007 and a 74% increase from 2003-2004.

There is a 76% increase in candidates taking the RN examination since 2003. This is a 16% increase of RN candidates from the previous calendar year. PN candidates taking the examination have not increased since 2003. There is a 6% decrease of PN candidates from the previous calendar year.

RNs seeking a bachelor's degree in nursing (RNB) increased in one year. There was a 25% increase in graduates in 2007-2008. There was a 64% increase in enrollment in RNB programs.

Nurses graduating with advanced degrees increased in one year. There was a 13% increase in ARNP graduates. Master's degree graduates (not ARNP) increased by 33%. Master's degree graduates with a focus on nursing education increased 32%. Eighteen individuals earned a doctoral degree in nursing in 2007-2008, a 38% increase.

Nursing programs report increasing difficulty filling nursing faculty positions. Between 3-5% of nursing faculty left nursing programs due to higher salaries offered elsewhere. Programs report a 122% increase in the number of individuals who turned down full-time job offers due to low salaries. Programs also report a 95% increase in the number of individuals who turned down part-time faculty positions due to low salaries.

Nursing programs are struggling to identify clinical learning sites. The number of programs reporting adequate clinical sites has decreased by 44% since 2004-2005.

APPENDIX A - *Approved Schools of Nursing in Washington*

Licensed Practical Nursing Programs

<p>Bates Technical College † PN Program 1101 S Yakima Tacoma, WA 98405 Phone: (253) 680-7000</p>	<p>Green River Community College † Nursing Department 12401 SE 320th St. Auburn, WA 98092 Phone: (253) 833-9111</p>	<p>South Puget Sound Community College* School of Nursing 2011 Mottman Rd. SE Olympia, WA 98512 Phone: (360) 754-7711</p>
<p>Bellingham Technical College * 3028 Lindburgh Avenue Bellingham, WA 98225-1559 Phone: (360) 752-7000</p>	<p>Heritage College Nursing Program 3240 Fort Rd. Toppenish WA 98948 Phone: (509) 865-8500</p>	<p>South Seattle Community College* Nursing Program 6000 16th Avenue SW Seattle WA 98106 Phone: (206)768-6414</p>
<p>Big Bend Community College * Nursing Department 7662 Chanute St. Moses Lake, WA 98837 Phone: (509) 793-2222</p>	<p>Lake Washington Technical College* Nursing Program 11605 132nd Avenue NE Kirkland, WA 98034 Phone: (425) 739-8100 Satellite Program: Edmonds Community College</p>	<p>Spokane Community College * Nursing Education 1810 N Greene St. MS 2090 Spokane, WA 99217 Phone: (509) 533-7000</p>
<p>Centralia College * Nursing Program 600 W Locust Centralia, WA 98531 Phone: (360) 736-9391</p>	<p>Lower Columbia College * School of Nursing 1600 Maple Street Longview, WA 98632 Phone: (360) 442-2860</p>	<p>Walla Walla Community College * Nursing Education 500 Tausick Way Walla Walla, WA 99362 Phone: (509) 527-4240</p>
<p>Clover Park Technical College* Nursing Department 4500 Steilacoom Blvd. SW Tacoma, WA 98499 Phone: (253) 589-5800</p>	<p>North Seattle Community College* Nursing Program 9600 College Way North Seattle, WA 98103 Phone: (206) 587-4100</p>	<p>Wenatchee Valley College * Nursing Program 1300 5th Street Wenatchee, WA 98801 Phone: (509) 682-6800</p>
<p>Columbia Basin College * Nursing Program 2600 N 20th Ave. Pasco, WA 99301 Phone: (509) 547-0511</p>	<p>Olympic College * Nursing Program 1600 Chester Ave. Bremerton, WA 98377-1699 Phone: (360) 792-6050</p>	<p>Yakima Valley Community College * Nursing Program PO Box 22520 Yakima, WA 98907-2520 Phone: (509) 422-7800</p>
<p>Everett Community College* Nursing Department 2000 Tower St. Everett, WA 98201-1327 Phone: (425) 388-9100</p>	<p>Renton Technical College* † Nursing Program 3000 NE 4th Street Renton, WA 98056 Phone: (425) 235-2352</p>	
<p>Grays Harbor Community College* Nursing Department 1620 Edward P Smith Drive Aberdeen, WA 98520 Phone: (360) 532-9020</p>	<p>Skagit Valley College – Whidbey Island * † 1900 SE Pioneer Way Oak Harbor, WA 98277 Phone: (360) 679-5323</p>	<p>*Step Program ** Initial Approval of Program (new program granted right to accept students) † Conditional Approval</p>

Associate Degree Programs (RN)

Bellevue Community College Main Campus, Rm R140-A 3000 Landerholm Circle SE Bellevue, WA 98007-6484 Phone: (425) 564-1000	Lake Washington Technical College * Nursing Program 11605 132 nd Avenue NE Kirkland, WA 98034 Phone: (425) 739-8100	South Puget Sound Community College * School of Nursing 2011 Mottman Rd. SE Olympia, WA 98512 Phone: (360) 768-6414
Bellingham Technical College * 3028 Lindburgh Avenue Bellingham, WA 98225-1559 Phone: (360) 752-7000	Lower Columbia College * Nursing Program 1600 Maple Street Longview, WA 98632 Phone: (360) 442-2860	South Seattle Community College ** Nursing Program 6000 16 th Avenue SW Seattle WA 98106 Phone: (206)768-6414
Big Bend Community College * Nursing Department 7662 Chanute St. Moses Lake, WA 98837 Phone: (509)793-2222	North Seattle Community College * Nursing Program 9600 College Way North Seattle, WA 98103-3599 Phone: (206) 527-3600	Spokane Community College * Nursing Education N. 1810 Greene St. MS 2090 Spokane, WA 99217 Phone: (509) 533-7000
Centralia Community College * Nursing Program 600 W Locust Centralia, WA 98531 Phone: (360) 736-9391	Olympic College * Nursing Program 1600 Chester Ave. Bremerton, WA 98377-1699 Phone: (360) 394-2760	Tacoma Community College Nursing Program 6501 S 19 th St. Tacoma, WA 98466 Phone: (253) 566-5000
Clark College 1800 E. McLoughlin Blvd. Vancouver, WA 98663 Phone: (360) 992-2000	Peninsula College Nursing Program 1502 East Lauridsen Blvd. Port Angeles, WA 98362 Phone: (360) 417-6455	Walla Walla Community College * Nursing Education 500 Tausick Way Walla Walla, WA 99362 Phone: (509) 527-4240
Clover Park Technical College * † Nursing Department 4500 Steilacoom Blvd. SW Lakewood, WA 98499-4098 Phone: (253) 589-5800	Pierce College – Puyallup * Nursing Program 1601 39 th Avenue SE Puyallup WA 98374-2222 Phone: (253) 864-3272	Wenatchee Valley College * Nursing Program 1300 5 th Street Wenatchee, WA 98801 Phone: (509) 682-6800
Columbia Basin College * Nursing Program 2600 N 20 th Ave. Pasco, WA 99301 Phone: (509) 372-7680	Renton Technical College * † Nursing Program 3000 NE 4 th Street Renton, WA 98056 Phone: (425) 235-2352	Whatcom Community College * Nursing Program 237 West Kellogg Rd Bellingham, WA 98237 Phone: (360) 676-2170
Everett Community College * Nursing Department 2000 Tower St. Everett, WA 98201-1327 Phone: (425) 388-9463	Seattle Central Community College Nursing Program 1701 Broadway Seattle, WA 98122 Phone: (206) 587-4123	Yakima Valley Community College * Nursing Program N. 16 th & Nob Hill Blvd Yakima, WA 98907-2520 Phone: (509) 574-4902
Grays Harbor Community College * Nursing Department 1620 Edward P Smith Drive Aberdeen, WA 98520 Phone: (360) 538-4148	Shoreline Community College Nursing Program 16101 Greenwood Ave N Seattle, WA 98133 Phone: (206) 546-4743	
Highline Community College PO Box 98000 Des Moines, WA 98198-9800 Phone: (206) 878-3710 Ext 3471	Skagit Valley College – Mt Vernon * Nursing Department 2405 E. College Way Mt Vernon, WA 98273 Phone: (360) 416-7875 Satellite Program: Skagit Valley – Whidbey Island	*Step Program ** Initial Approval of Program (new program granted right to accept students) † Conditional Approval

Baccalaureate Degree Programs (RN)

<p>Gonzaga University Dept. Of Nursing 502 E. Boone Ave. Spokane, WA 99258-0038 Phone: (800) 986-9585</p>	<p>Seattle Pacific University Lydia Green Nursing Program 3307 3rd Avenue West Seattle, WA 98119 Phone: (206) 281-2233</p>	<p>Walla Walla University School of Nursing 10345 SE Market St. Portland, OR 97216 Phone: (800) 541-8900 / (503) 251-6115</p>
<p>Northwest University Buntain School of Nursing 5520 108th Ave. NE Kirkland, WA 98033 Phone: (425) 822-8266</p>	<p>Seattle University College of Nursing 901-12 Ave Seattle, WA 98122-1090 Phone: (206) 296-5600</p>	<p>Washington State University Intercollegiate College of Nursing 2917 W Ft George Wright Dr Spokane, WA 99204 Phone: (509) 358-7978</p>
<p>Pacific Lutheran University School of Nursing – Ramstad 214 Tacoma, WA 98447 Phone: (253) 535-7672</p>	<p>University of Washington ◉ School of Nursing Box 357260 Seattle, WA 98195 Phone: (206) 543-8736</p>	<p>** Initial Approval of Program (new program granted right to accept students)</p> <p>† Conditional Approval</p> <p>◉ Accelerated BSN program</p>

Masters in Nursing & RN to BSN Programs

RN-MSN MSN	<p>Gonzaga University Department of Nursing 502 E. Boone Ave. AD Box 38 Spokane, WA 99258 Phone: (800) 986-9585</p>	RN-BSN MN	<p>University of Washington – Tacoma UWT Nursing Program 1900 Commerce - Box 358421 Tacoma, WA 98402-3100 Phone: (253) 692-4000</p>
LPN to BSN MSN Master's Entry	<p>Pacific Lutheran University School of Nursing Tacoma, WA 98447 Phone: (253) 531-6900</p>	BSN RN-BSN RN-MN MN PhD	<p>Washington State University - Spokane Intercollegiate College of Nursing 2917 W Ft George Wright Dr Spokane, WA 99224 Phone: (509) 324-7360</p>
RN - BSN MSN	<p>Seattle Pacific University School of Health Sciences 3307 3rd Avenue West Seattle, WA 98119 Phone: (206) 296-6000</p>	RN-BSN RN-MN MN	<p>Washington State University - Vancouver Intercollegiate College for Nursing 14204 NE Salmon Creek Ave. Vancouver, WA 98686 Phone: (360) 546-9752</p>
MSN Master's Entry	<p>Seattle University School of Nursing 900 Broadway Seattle, WA 98122 Phone: (206) 296-6000</p>	BSN RN-BSN RN-MN MN	<p>Washington State University - Yakima Intercollegiate College for Nursing 1401 W. Prash Ave. Yakima, WA 98902 Phone: (509) 494-7900</p>
Graduate Entry MS, MN, DNP, PhD	<p>University of Washington - Seattle UWS Nursing Program Box 357260 Seattle, WA 98195-7260 Phone: (206) 543-8736</p>	BSN RN-BSN RN-MN MN	<p>Washington State University – Tri Cities Intercollegiate College for Nursing 2710 University Drive Richland, WA 99352-1643 Phone: (509) 372-7183</p>
MN RN-BSN	<p>University of Washington - Bothell UWB Nursing Program 18115 Campus Way NE Bothell, WA 98011-8246 Phone: (425) 352-5000</p>	RN-BSN web-based program	Washington State University – Statewide

APPENDIX B - NCLEX® School Reports: ADN-LPN-BSN-MEPN

ADN - NCLEX® SCHOOL REPORTS

	2004	2005	2006	2007	2008
Bellevue Community College	43/47 = 91.5%	43/48 = 91.7%	47/47 = 100%	43/44 = 98%	43/49 = 88%
Bellingham Technical College			19/22 = 86.4%	22/27 = 81.5%	32/35 = 91%
Big Bend Community College	18/19 = 94.7%	15/21 = 71.4%	15/18 = 83.3%	15/24 = 62.5%	25/25 = 100%
Centralia College			21/22 = 95.5%	16/18 = 88.9%	23/28 = 82%
Clark College	75/81 = 92.6%	87/92 = 94.6%	92/96 = 95.8%	92/104 = 88.5%	116/126 = 92%
Clover Park Technical College				16/20 = 80%	18/27 = 67%
Columbia Basin College	38/42 = 90.5%	42/56 = 75%	39/43 = 90.7%	45/53 = 84.9%	42/47 = 89%
Everett Community College	67/71 = 94.4%	73/74 = 98.6%	84/85 = 98.8%	87/92 = 94.6%	79/82 = 96%
Grays Harbor College	21/28 = 75%	20/29 = 68.9%	21/29 = 72.4%	26/33 = 78.8%	24/27 = 89%
Highline Community College	51/58 = 87.9%	54/64 = 84.4%	51/60 = 85%	55/63 = 87.3%	59/67 = 88%
Lake Washington Technical College			32/39 = 82%	46/53 = 86.8%	46/47 = 98%
Lower Columbia College	45/50 = 90%	48/53 = 90.6%	74/80 = 92.5%	78/95 = 82.1%	67/74 = 90%
N Seattle Community College		14/15 = 93%	23/24 = 95.8%	39/44 = 88.6%	24/26 = 92%
Olympic College	46/55 = 83.6%	41/46 = 89.1%	54/62 = 87%	56/64 = 87.5%	76/88 = 86%
Peninsula College	14/15 = 93.3%	20/23 = 87%	17/18 = 94%	20/24 = 83.3%	26/27 = 96%
Pierce College		9/11 = 82%	23/27 = 85.2%	52/57 = 91.2%	40/48 = 83%
Renton Technical College				26/35 = 74.3%	22/32 = 69%
Seattle Central Community College	15/21 = 71.4%	27/30 = 90%	21/22 = 95.5%	26/26 = 100%	30/31 = 97%
Shoreline Community College	87/91 = 95.6%	80/85 = 94%	86/88 = 97.7%	86/87 = 98.8%	71/74 = 96%
Skagit Valley College	55/60 = 91.7%	43/49 = 87.8%	78/82 = 95%	37/39 = 94.9%	91/95 = 96%
South Puget Sound Community College	49/61 = 80.3%	42/55 = 76.4%	44/52 = 84.6%	51/58 = 87.9%	46/63 = 73%
South Seattle Community College					19/22 = 86%

ADN - NCLEX® SCHOOL REPORTS

	2004	2005	2006	2007	2008
Spokane Community College	103/121 = 85.1%	90/103 = 87.4%	134/142 = 94.4%	122/144 = 84.7%	122/152 = 80%
Tacoma Community College	50/61 = 82%	69/72 = 95.8%	79/85 = 92.9%	83/96 = 86.5%	91/100 = 91%
Walla Walla Community College	82/99 = 82.8%	98/126 = 77.8%	112/123 = 91.1%	85/110 = 77.3%	100/114 = 88%
Wenatchee Valley College	56/65 = 86.2%	54/63 = 85.7%	60/76 = 78.9%	51/62 = 82.3%	57/71 = 80%
Whatcom Community College				29/30 = 96.7%	28/28 = 100%
Yakima Community College	43/54 = 79.6%	47/54 = 87%	42/46 = 91.3%	52/53 = 98.1%	61/66 = 92%

BSN – GE - NCLEX® SCHOOL REPORTS

	2004	2005	2006	2007	2008
Gonzaga University - BSN				12/14 = 85.7%	21/36 = 58 %
Northwest University - BSN	22/30 = 73.3%	25/32 = 78%	20/28 = 71.4%	25/32 = 78.1%	31/33 = 94%
Pacific Lutheran University - BSN	75/86 = 87.2%	63/66 = 95%	77/84 = 91.7%	87/94 = 92.6%	87/90 = 97%
Pacific Lutheran University - MEPN		11/11 = 100%	19/20 = 95%	19/19 = 100%	14/14 = 100%
Seattle Pacific University - BSN	36/54 = 66.7%	39/49 = 80%	44/44 = 100%	42/48 = 87.5%	42/49 = 86%
Seattle University - BSN	95/108 = 88%	83/95 = 87%	96/103 = 93%	92/103 = 89.3%	195/217 = 90%
Seattle University- MEPN		19/19 = 100%	25/25 = 100%	29/29 = 100%	16/20 = 80%
University of Washington - BSN	74/80 = 92.5%	88/93 = 94.6%	104/114 = 91.2%	102/122 = 83.6%	102/113 = 90%
University of Washington - MEPN		19/19 = 100%	7/7 = 100%	2/2 = 100%	1/1 = 100%
Walla Walla University - BSN	32/41 = 78.1%	45/46 = 97.8%	44/47 = 93.6%	40/48 = 83.3%	47/52 = 90%
Washington State University– BSN	154/166 = 92.8%	161/178 = 90%	200/218 = 91.7%	215/233 = 92.3%	204/239 = 85%

LPN - NCLEX® SCHOOL REPORTS

	2004	2005	2006	2007	2008
Bates Technical College	61/62 = 98.4%	69/69 = 100%	72/74 = 97.3%	73/75 = 97.3%	44/45 = 98%
Bellingham Technical College	78/81 = 96.3%	68/74 = 91.9%	76/82 = 92.7%	56/63 = 88.9%	54/59 = 91.5%
Big Bend Community College	19/21 = 90.5%	12/12 = 100%	20/20 = 100%	23/23 = 100%	19/19 = 100%

LPN - NCLEX® SCHOOL REPORTS

	2004	2005	2006	2007	2008
Centralia College	43/44 = 97.7%	35/41 = 85.4%	19/20 = 95%	25/25 = 100%	24/25 = 96%
Clark College			2/2 = 100%	2/2 = 100%	2/2 = 100%
Clover Park Technical College	91/91 = 100%	68/71 = 95.9%	80/82 = 97.6%	73/76 = 96%	72/74 = 97%
Columbia Basin College	50/52 = 96.2%	36/36 = 100%	31/31 = 100%	30/31 = 96.8%	24/25 = 96%
Everett Community College	34/34 = 100%	34/34 = 100%	22/22 = 100%	27/27 = 100%	13/13 = 100%
Grays Harbor College	30/34 = 88%	36/38 = 94.7%	39/40 = 97.5%	24/25 = 96%	20/20 = 100%
Green River Community College	35/36 = 97.2%	21/24 = 87.4%	23/24 = 95.8%	23/26 = 88.5%	25/25 = 100%
Heritage College			19/26 = 73.1%	25/27 = 92.6%	24/28 = 86%
Lake Washington Technical College	39/41 = 95.1%	60/67 = 89%	30/34 = 88.2%	18/18 = 100%	27/28 = 96%
Lower Columbia College	62/62 = 100%	73/74 = 98.7%	66/66 = 100%	43/43 = 100%	52/52 = 100%
North Seattle Community College	41/42 = 97.6%	33/36 = 91.7%	61/61 = 100%	59/59 = 100%	43/43 = 100%
Olympic College	12/15 = 80%	20/25 = 80%	34/37 = 91.9%	31/32 = 96.9%	18/21 = 86%
Renton Technical College	29/36 = 80.6%	75/79 = 94.9%	35/37 = 94.6%	43/46 = 93.5%	32/34 = 94%
Skagit Valley - Whidbey	29/31 = 93.6%	53/57 = 93%	41/53 = 77.4%	45/50 = 90%	52/55 = 95%
Skagit Valley College	5/5 = 100%	13/13 = 100%	11/11 = 100%	14/15 = 93.3%	9/9 = 100%
South Puget Sound Community College	46/46 = 100%	28/28 = 100%	28/28 = 100%	25/26 = 96.2%	26/27 = 96%
South Seattle Community College		23/25 = 92%	26/34 = 76.5%	30/32 = 93.8%	62/71 = 87%
Spokane Community College	63/65 = 96.9%	52/53 = 98.1%	59/61 = 96.7%	53/54 = 98.2%	56/60 = 93%
Walla Walla Community College	42/43 = 97.7%	51/52 = 98.1%	35/35 = 100%	45/45 = 100%	42/43 = 98%
Wenatchee Valley College	64/64 = 100%	66/66 = 100%	60/60 = 100%	78/79 = 98.7%	52/52 = 100%
Yakima Community College	51/51 = 100%	53/59 = 94.9%	56/56 = 100%	39/39 = 100%	54/55 = 98%