



## **SUMMARY OF ANNUAL REPORTS PRE-LICENSURE NURSING EDUCATION PROGRAMS For the Period of July 1, 2010 through June 30, 2011**

*The mission of the Ohio Board of Nursing is to actively safeguard the health of the public through the effective regulation of nursing care.*

### **Submission of Annual Reports**

Rule 4723-5-05(A) of the Ohio Administrative Code (OAC) requires each pre-licensure nursing education program with Full or Provisional approval during a reporting period to submit an Annual Report to the Ohio Board of Nursing (Board).

As of June 30, 2011, a total of 168 programs, 74 Practical Nursing (PN) and 94 Registered Nursing (RN) programs, were approved by the Board and held Conditional, Full or Provisional approval status. Of the 168 programs, 134 (60 PN and 74 RN) held either Full (126 programs) or Provisional (8 programs) approval. Of the 134 programs, 133 submitted an Annual Report to the Board by July 31, 2011. One PN program closed on June 3, 2011 and did not submit an Annual Report.

The electronic Annual Report questionnaire elicited information about program enrollment, graduation, enrollment capacity, clinical hours, faculty and expansion. It also documented the program administrator's attestation that the program continues to meet and maintain the rules set forth in Chapter 4723-5, OAC.

### **Data Requested**

Since the 2002-2003 reporting period, data has been collected related to the nursing shortage in Ohio, including program enrollment capacity, intent to expand its enrollment capacity, and actual expansion. Data to assist in projecting the need for future faculty is also collected.

The number of available nursing education program "seats" was requested again this year. RN programs were also asked to break down its number of seats according to student type or track, e.g., traditional, advanced standing, and students admitted who have a bachelor's degree in non-nursing field.

Programs reported the number of clock hours spent by students in supervised clinical practice. Rule 4723-5-13, OAC, for RN programs, and Rule 4723-5-14, OAC, for PN programs, require that programs include clinical and laboratory experiences which meet established objectives or outcomes, provide a nursing student with the opportunity to practice cognitive, psychomotor and affective skills in the performance of a variety of nursing functions with individuals or groups across the life span, and be provided concurrently with related theory instruction. The clock hours of supervised clinical experience as reported by the RN and PN programs are provided in this report by both program and licensure types.

### **Significant Findings**

Below is a list of selected significant findings reported by RN and PN programs. The list is followed by more detailed Annual Report information.

#### **RN Programs**

- Programs are filling more seats than in previous years. 13,824 were filled in 2010-2011, compared to 13,030 reported in 2009-2010.
- Programs were filled to 81.77% capacity in 2010-2011, compared to 85.38% in academic year 2009-2010, and 90.73% capacity in 2008-2009. Diploma programs were filled to 86.61% capacity; associate degree programs were filled to 75.78% capacity; and baccalaureate and Direct Entry Graduate programs combined were filled to 93.64% of capacity.
- Programs at all levels (ADN, diploma and BSN and Direct Entry Graduate) reported denying admission to qualified students due to lack of available seats in the program. Of the 4,832 denials due to space constraints, the associate degree programs reported denying admission to 3,437 qualified applicants.
- Nineteen of the 74 RN programs expanded, adding an additional 659 seats in 2010-2011, as compared to the 589 seats that were reported as added in 2009-2010.
- Programs projected 227 faculty members will retire in the next 5 years.
- The range of programs' clinical experience clock hours was 315 to 1,604 hours, representing a difference of 1,289 hours.
- The total number of RN graduates in 2010-2011, was 8,053, an increase of 377 from the number of graduates reported in 2009-2010.

#### **PN Programs**

- Programs are filling fewer seats than in previous years. Programs reported filling 7,297 seats in 2010-2011, compared to 8,349 seats reported filled in 2009-2010.
- Programs are filled to 84.62% capacity, compared to 92.92% capacity in 2009-2010, and 92.72% capacity in 2008-2009.
- Ten programs expanded enrollment capacity, collectively adding 231 seats in 2010-2011, compared to eleven programs reporting the addition of 708 seats in 2009-2010.
- Programs projected 76 faculty members will retire in the next 5 years.

- The range of the PN programs clinical experience clock hours was 182 to 639, a difference of 457 clock hours.
- PN programs reported a Fall 2010 enrollment\* decrease of 646 students as compared to a decrease of 41 in Fall 2009.
- The total number of reported PN graduates in 2010-2011, was 4,552\* a decrease of 1,089 from the 5,641 graduates reported in 2009-2010. For further comparison programs reported 4,741 graduates in 2008-2009.

### RN and PN Programs, Enrollment, and Graduation

Nursing Education Programs by Type*	Nursing Education Program FALL Enrollment	Program Graduates*
Direct Entry Masters/Doctorate	Direct Entry Masters/Doctorate	Direct Entry Masters/Doctorate
2006 . . . 3	2006 . . . 198	2006 . . . 95
2007 . . . 3	2007 . . . 132	2007 . . . 88
2008 . . . 3	2008 . . . 163	2008 . . . 82
2009 . . . 3	2009 . . . 171	2009 . . . 72
2010 . . . 3	2010 . . . 191	2010 . . . 86
Baccalaureate	Baccalaureate	Baccalaureate
2006 . . . 23	2006 . . . 7,954	2006 . . . 2,239
2007 . . . 24	2007 . . . 8,377	2007 . . . 2,376
2008 . . . 24	2008 . . . 9,570	2008 . . . 2,543
2009 . . . 25	2009 . . . 7,891	2009 . . . 2,568
2010 . . . 26	2010 . . . 9,244	2010 . . . 2,850
Diploma	Diploma	Diploma
2006 . . . 5	2006 . . . 852	2006 . . . 327
2007 . . . 4	2007 . . . 728	2007 . . . 217
2008 . . . 4	2008 . . . 769	2008 . . . 264
2009 . . . 4	2009 . . . 799	2009 . . . 255
2010 . . . 4	2010 . . . 680	2010 . . . 267
Associate Degree	Associate Degree	Associate Degree
2006 . . . 31	2006 . . . 8,457	2006 . . . 3,462
2007 . . . 36	2007 . . . 9,811	2007 . . . 4,063
2008 . . . 37	2008 . . . 10,083	2008 . . . 4,303
2009 . . . 39	2009 . . . 11,461	2009 . . . 4,781
2010 . . . 39	2010 . . . 11,770	2010 . . . 4,850
Practical – High School	Practical – High School	Practical – High School
2006 . . . 4	2006 . . . 129	2006 . . . 56
2007 . . . 4	2007 . . . 115	2007 . . . 55
2008 . . . 5	2008 . . . 134	2008 . . . 51
2009 . . . 5	2009 . . . 133	2009 . . . 62
2010 . . . 4	2010 . . . 106	2010 . . . 52
Practical – Adult	Practical – Adult	Practical – Adult
2006 . . . 50	2006 . . . 5,629	2006 . . . 3,429

2007 . . . 55	2007 . . . 6,899	2007 . . . 4,179
2008 . . . 55	2008 . . . 7,752	2008 . . . 4,690
2009 . . . 54	2009 . . . 7,712	2009 . . . 5,579
2010 . . . 56	2010 . . . 7,093	2010 . . . 4,500*

\* Program type numbers and 2010 PN Adult graduates revised October 2012, from that reported in November 2011.

### Registered Nursing (RN) Programs

#### Seat Availability and Admission Denials

There were a total of 16,904 available seats in RN programs. This is an increase of 1,643 from 15,261 seats that were available in the last reporting period. Of the 16,904 available seats, 13,824 were filled. This is an increase of 794 from the 13,030 seats reported filled in 2009-2010. The combined RN programs reported 4,832 academically qualified students were denied admission to the nursing major because of lack of program space, or seats, compared to 5,197 denials in 2009-2010. RN programs denied admission to 5,340 individuals admission due to not meeting academic admission criteria. This is a decrease of 1,217 from the academic denials of 6,557 in 2009-2010.

#### Program Capacity By Track

Students	Number of available seats	Number of seats filled	Number of applicants denied due to lack of seats	Number of seats denied due to academic reasons
Traditional	11,486	10,900 (94.89%)	4,207	4,587
Students with a Bachelor's degree in another field	1,360	950 (69.85%)	183	385
Licensed Practical Nurses	3,591	1,907 (53.10%)	441	353
Paramedics	467	67 (14.34%)	1	15
<b>Totals</b>	<b>16,904</b>	<b>13,824 (81.77%)</b>	<b>4832</b>	<b>5340</b>

The following table represents a breakdown of available seats and seats filled by type of RN program.

Program Type	Number of seats available	Number of seats filled
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Diploma	695	602 (86.61%)
Associate Degree	10,955	8302 (75.78%)
Baccalaureate	5,118	4,793 (93.64%)
Direct Entry Graduate	136	127 (93.38%)
<b>Totals</b>	<b>16,904</b>	<b>13,824 (81.77%)</b>

The following programs reported the highest numbers of academically qualified applicants (traditional students) denied because there were not enough seats to accommodate them.

**Associate Degree Programs: (300 or more denied)**

Program name	Program location	Number of qualified applicants denied admission
Sinclair Community College	Dayton	425
Cincinnati State Technical & Community College	Cincinnati	356
Clark State Community College	Springfield	324

**Baccalaureate Degree Programs: (200 or more denied)**

Program name	Program location	Number of qualified applicants (traditional students) denied admission
Kent State University	Kent	333
Wright State University-Miami Valley	Dayton	236
The Ohio State University	Columbus	235

**Diploma Programs: (100 or more denied)**

Program name	Program location	Number of qualified applicants (traditional students) denied admission
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N/A	0	0
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### Program Expansion

Nineteen RN programs reported program capacity expansions. Six of the 19 programs that expanded did so by opening a new location. The capacity expansions resulted in 659 additional seats. The increase in seats by program type is as follows:

- Associated Degree                      501
- Diploma                                      18
- BSN    135
- Direct Entry Graduate                      5

Twenty-five programs reported the intent to explore expansion in the next reporting period, with a projected increase of 596 seats.

### Faculty Shortage Projections

Programs were asked for the number of faculty that vacated their positions, and to project the number of faculty that might leave their positions within the next 5 years due to retirement or other factors. In addition, programs were asked for the number of faculty who vacated their positions because of issues related to compensation, that is, salaries that may not be commensurate with their credentials and experience and they returned to a clinical practice or administrative position. Programs reported the following for faculty members:

- 54 retired during the reporting period.
- 227 are anticipated to retire in the next 5 years.
- 35 left their positions due to salary or other compensation issues to accept positions in clinical or administrative settings. This is an increase of 12 in comparison to the 22 reported as leaving for the same reasons in 2009-2010.

### Clinical Hours

The administrative rules do not require programs to provide a specific number of clinical hours. However, Rule 4723-5-13(F)(8), OAC, establishes parameters and outcomes for clinical experiences. It requires that the curriculum include clinical and laboratory experiences that:

- a) Meet the established course objectives or outcomes;
- b) Provide a nursing student with the opportunity to practice cognitive, psychomotor, and affective skills in the performance of a variety of nursing functions with individuals or groups across the life span;
- c) Provide a nursing student with the opportunity to practice technical skills including skills pertaining to intravenous therapy; and
- d) Are provided concurrently with the related theory instruction.

Programs reported the number of clinical clock hours contained in their respective curriculum.

- **Diploma programs:** The average number of clinical hours was 836. Clinical clock hours ranged from 582 hours (Huron School of Nursing) to 1,076 hours (Trinity Health System School of Nursing) with a median of 843 clock hours.
- **Associate degree programs:** The average number of clinical clock hours was 605.5. Clinical clock hours range from 315 hours (Fortis College) to 880 hours (Sinclair Community College) with a median of 593 clock hours.
- **Baccalaureate degree programs:** The average number of clinical clock hours was 815. Clinical clock hours ranged from 420 hours (Miami University) to 1,604 hours (Case Western Reserve University, Frances Payne Bolton School of Nursing) with a median of 808.5 clock hours.
- **Direct Entry Graduate programs:** The average number of clinical clock hours was 856. Clinical clock hours range from 750 (The University of Toledo) to 1,008 hours (Case Western Reserve University, Frances Payne Bolton School of Nursing, Masters of Nursing (MN) Leading to the MSN and DNP) with a median of 812 clock hours.

#### RN Program Faculty Vacancies, and Clinical Hours

Program Type	Faculty Vacancies			Clinical Hours
	Retirement Last Year	Retirement in Next 5 Years	Re: Salary	Low/High/Average/Median
Diploma	1	9	0	582/1076/836/843
Associate Degree	20	100	17	315/880/605.5/593
Baccalaureate	29	111	18	420/1604/815/808.5
Direct Entry Graduate	4	7	0	750/1008/856/812
<b>Total</b>	<b>54</b>	<b>227</b>	<b>35</b>	

#### Other Clinical Hours

Clinical	Clinical Hours: Low/High/Average/Median
<b>Obstetrics</b>	<b>4/ 115/ 63.6/ 60</b>
<b>Pediatrics</b>	<b>12/ 120/ 62.3/ 60</b>

## Simulation

Eighteen programs reported devoting laboratory hours to skills practice using high or moderate fidelity human patient simulators (computerized).

### Laboratory Hours Devoted to Simulators

<b>Low/High/Average/Median</b>
<b>4/ 469/ 42.7/ 24</b>

## Preceptors

The following is a summary of reported program experiences in finding preceptors. Of the 74 RN programs reporting, 70 reported the use of preceptors, and responded to the question “to what level has the years of experience for preceptors affected your ability to find preceptors for your program.”

<b>Program</b>	<b>No Problem</b>	<b>Moderate</b>	<b>Neutral</b>	<b>Very Difficult</b>	<b>Unable to find</b>
Diploma	2	1	0	1	0
Associate Degree	9	13	4	9	0
Baccalaureate	4	14	5	6	0
Direct Entry Graduate	0	0	2	0	0
<b>Summary</b>	<b>15 (21.43%)</b>	<b>28 (40%)</b>	<b>11 (15.71%)</b>	<b>16 (22.86%)</b>	<b>0</b>

## Capstone Examination

Programs were asked to report if they use a capstone examination and if so, whether a passing score on the exam is a graduation requirement. Sixty-eight programs reported using a capstone exam, and 24 of the 68 programs require a passing score for successful program completion.

## Drug Screen

Programs were asked to report if they require a drug screen prior to admission or at some point while the student is enrolled. Thirty-one programs reported requiring a drug screen, and 43 programs reported that they do not require a drug screen.

## State Criminal Background Check

Programs were asked to report if they require applicants to undergo a state criminal background check prior to admission or at some point while the student is enrolled. Sixty-eight programs reported requiring a state criminal background check and six programs reported that they do not require a criminal background check.

## Federal Criminal Background Check

Programs were asked to report if they require federal criminal background check prior to admission or at some point while the student is enrolled. Sixty programs reported requiring a federal criminal background check and fourteen programs reported that they do not require a criminal background check

## **Practical Nursing (PN) Programs**

### **Seat Availability and Admission Denials**

PN programs reported 8,623 available seats, a decrease of 362 from 8,985 in the previous reporting period. PN programs reported 7,297 of the 8,623 available seats were filled, representing that PN programs were at 84.62% capacity.

PN programs reported the denial of admission to 1,641 individuals who did not meet academic admission criteria. This is a decrease from the 2,092 academic denials in the previous reporting period. In addition, 883 academically qualified individuals were denied admission due to space constraints; this is a decrease of 314 from 1,197 denied in the previous reporting period due to lack of seats.

Lorain Community College Practical Nursing Program, Elyria, reported 200 or more denials to academically qualified applicants due to lack of seats.

### **Program Expansion**

Ten PN programs reported program expansions, a decrease from 11 programs that reported expansions in the previous reporting period. The 10 programs expanded by a total of 231 seats, a decrease of 477 seats from 2009-2010. An additional 11 PN programs reported the intention to expand by a total of 445 additional seats.

### **Faculty Shortage Projections**

Programs were asked to report the number of faculty members who vacated their positions, and to project the number of faculty members that may leave within the next five years due to retirement or other factors. In addition, programs were asked to report the number of faculty members that have vacated their positions because of compensation, e.g., salaries that might not be commensurate with their credentials and experience.

- Programs reported the retirement of 12 faculty members, and projected that 76 will retire in the next 5 years.
- Programs reported a total of 25 faculty members left their positions due to salary or other compensation issues, to accept positions in clinical or administrative settings.

### **Clinical Hours**

PN program clinical experience clock hours, ranged from 182 hours (Willoughby Eastlake School of Practical Nursing-Adult and High School Divisions) to 639 hours (The Hannah E. Mullins School of Practical Nursing). The average number of clinical

clock hours was 399.5, a decrease from the average of 412 reported in 2009-2010. In addition, clinical hours for obstetrics and pediatrics are included in the table below:

### PN Program Faculty Vacancies and Clinical Hours

Program Type	Faculty Vacancies			Clinical Hours
	Retirement Last Year	Retirement in Next 5 Years	Re: Salary	Low/High/Average/Median
PN	12	76	25	182/639/399.5/398

### Other Clinical Hours

Clinical	Clinical Hours: Low/High/Average/Median
Obstetrics	3/ 68/ 23/ 18
Pediatrics	3/ 68/ 21.72/ 18

### Simulation

Eighteen programs reported devoting laboratory hours to skills practice using high or moderate fidelity human patient simulators (computerized).

### Laboratory Hours Devoted to Simulators

Low/High/Average/Median
2 / 76/ 19/ 8.5

### Preceptors

Programs answered the question regarding the use of preceptors. Of the 59 programs reporting, 44 reported the use of preceptors.

In addition, the 44 programs that reported the use of preceptors responded to the question “to what level has the two years of experience for preceptors affected your ability to find preceptors.” The following is a summary of program experiences in finding preceptors:

Program	No Problem	Moderate	Neutral	Very Difficult	Unable to find
PN	21	12	10	1	0
<b>Summary</b>	<b>47.73%</b>	<b>27.27%</b>	<b>22.73%</b>	<b>2.27%</b>	<b>0%</b>

**Capstone Examination**

Programs were asked to report if they use a capstone examination and if so, whether a passing score on the exam is a graduation requirement. Forty-six programs reported using a capstone exam, and 14 programs require a passing score for successful program completion.

**Drug Screen**

Programs were asked to report if they require a drug screen prior to admission or at some point while the student is enrolled. Thirty-two programs reported requiring a drug screen, and 27 programs reported that they do not require a drug screen.

**State Criminal Background Check**

Programs were asked to report if they require a state criminal background check prior to admission or at some point while the student is enrolled. Fifty-eight programs reported requiring a state criminal background check and 1 program reported that they do not require a state criminal background check.

**Federal Criminal Background Check**

Programs were asked to report if they require a federal criminal background check prior to admission or at some point while the student is enrolled. Fifty-two programs reported requiring a federal criminal background check and 7 programs reported that they do not require a federal criminal background check.