



Annual Nursing Education Program Report

Calendar and Fiscal Year 2020

Presented April 2021
To the Minnesota Board of Nursing

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Executive Summary

Minnesota Statute 148.191 Subd. 2 grants the Board of Nursing authorization to “prescribe by rule curricula and standards for schools and courses preparing persons for licensure under sections [148.171](#) to [148.285](#).” The Annual Nursing Education Program Report to the Board of Nursing serves to highlight how the Education Department remains responsive to the standards of quality and patient safety in Minnesota Nursing Education.

Minnesota Board of Nursing Program Approval Rule 6301.2350 requires all practical and professional nursing programs to be accredited by a national nursing accrediting body. At this time, all Minnesota pre-licensure nursing programs are accredited except for one recently approved nursing program which must acquire national nursing education accreditation as a requirement for continuing approval.

This report provides current data about nursing graduates. The number of practical nursing graduates continued a downward trend and reflects the lowest number of graduates since 2003, with 34 fewer graduates in 2020 than in 2019. Further impacting the LPN pool, 63.8 % of practical nursing graduates eventually complete a professional nursing program.

Minnesota has some of the greatest health disparities in the country between White, Black, Indigenous, and People of Color (BIPOC). Increasingly, the research literature reports evidence of more favorable health outcomes when patients are cared for by providers of similar race. Minnesota nursing program graduates are confirming a trend in increased diversity. LPN diverse candidates increased from 26.1% in 2019 to 30.7% in 2020 and RN diverse candidates increased from 20.3% in 2019 to 23.2% in 2020. Diversity is also reflected in the APRN graduate population increasing from 7.6% in 2017 to 10.7% in 2020.

COVID-19 impacted all aspects of healthcare with unprecedented consequences. Nursing education programs faced the loss of access to most clinical sites due to concerns of Covid-19 viral spread to students, staff, and patients. Programs turned to simulation to address this gap however, the Minnesota Nursing Program Approval Rules have a threshold that no greater than half of the traditional clinical activities can be replaced with simulation. To address this temporary emergency need, the Education staff utilized Minnesota Statute 14.055 and 14.056 to develop a rule variance petition process for programs to request a greater than 50% use of simulation to replace clinical for no longer than the academic year. All petitions are reviewed thoroughly, to ensure accuracy and presented to the full Board for approval. By accreditation standards and Minnesota Board of Nursing Standards, no nursing program may utilize 100% simulation to replace clinical. Fortunately, clinical access improved in late fall for most nursing programs except for practical nursing programs which are dependent upon long term care facilities for clinical.

Nursing programs continue to address a faculty shortage and this scarcity raises concerns whether programs can maintain enrollment capacity to provide the number of new nursing graduates needed to meet future workforce needs.

MINNESOTA BOARD OF NURSING

Education Annual Report: Calendar and Fiscal Year 2020
Presented to the Board - April 2021

General Work: To support the mission of the Board of Nursing by developing and implementing the Minnesota Board of Nursing's program for approving nursing education programs.

M.R. 6301.0100 Subpart 4 defines "approval" as the authority granted by the board for a controlling body to offer a program designed to prepare students to meet the nursing education requirements for licensure as a practical, professional or advanced practice registered nurse. MR 6301.2310 identifies the purpose of nursing education program approval which, first and foremost, promotes the safe practice of nursing by those individuals seeking licensure. Program approval is granted when programs have met and continue to meet the nursing program standards as set forth in the rules. Continuous evaluation and improvement, within the program, by the nursing director and faculty ensures the quality of nursing programs. Finally, based on program approval, the board can provide the public and prospective students with a list of nursing programs meeting these standards.

There is a total of 86 approved pre-licensure nursing programs in Minnesota. Due to the distinct difference in the levels of education between the practical and professional nursing programs compared to the advanced practice nursing programs, this report is divided into Part I for the practical and professional nursing programs and Part II for the advanced practice nursing programs.

PART I: PROGRAM APPROVAL: PRACTICAL AND PROFESSIONAL PROGRAMS

Approved Practical and Professional Nursing Programs

As of December 31, 2020, there are 74 Board approved pre-licensure practical and professional nursing programs in Minnesota (Appendix A1):

Program Type	Total
Practical Nursing Programs	25
Professional Nursing Programs:	
Associate Degree Nursing Programs	26
Baccalaureate Nursing Programs	20
Entry-level Masters Nursing Programs	3

Five of the 26 associate degree professional programs are mobility programs. Mobility programs only admit students who have completed a practical nursing program.

Initial Program Approval

Initial program approval was granted to the following programs:

- Minnesota State College Southeast Associate Degree Nursing Program
- Minnesota State University Moorhead Baccalaureate Degree Nursing Program

Continuing Program Approval

Continuing approval was granted to the following programs upon initial accreditation or renewal of accreditation:

- Fond du Lac Tribal and Community College Associate Degree Nursing Program (ACEN)
- Hennepin Technical College Practical Nursing Program (ACEN)
- Minnesota State University Mankato Baccalaureate Degree Nursing Program (CCNE)
- Rasmussen University – Brooklyn Park/Maple Grove Practical Nursing Program (ACEN)
- Rochester Community and Technical College Associate Degree Nursing Program (ACEN)
- Rochester Community and Technical College Practical Nursing Program (ACEN)
- University of Northwestern Baccalaureate Degree Nursing Program (CCNE)

National Nursing Accrediting Bodies:

- ACEN- Accreditation Commission for Education in Nursing
- CCNE-Commission of Collegiate Nursing Education
- CNEA-Commission for Nursing Education Accreditation

Voluntary Program Closures

The Board accepted a notice of voluntary program closure from one program:

- Presentation College, Fairmont Baccalaureate Degree Nursing Program, Minnesota location only

Letters of Intent

The Board accepted a letter of intent from one program:

- Saint Mary's University of Minnesota Baccalaureate Degree Nursing Program

Below Minimum Standard NCLEX

The Board required the following programs to submit plans of corrective action due to first-time candidate success rates on the National Council Licensure Examination (NCLEX®) below the minimum standard (75% or below) during calendar year 2020:

- Minnesota State College Southeast Practical Nursing Program
- Rasmussen University Brooklyn Park/Maple Grove Practical Nursing Program
- Minnesota West Community and Technical College Associate Degree Nursing Program
- Rasmussen University Moorhead Associate Degree Nursing Program
- Concordia University, St. Paul Baccalaureate Degree Nursing Program
- Crown College Baccalaureate Degree Nursing Program
- Gustavus Adolphus College Baccalaureate Degree Nursing Program
- Metropolitan State University Baccalaureate Degree Nursing Program

The Board required an on-site survey and submission of a revised plan of corrective action for the following program due to NCLEX® first-time success rates below the minimum standard for two consecutive calendar years (2019 and 2020):

- Fond du Lac Tribal and Community College Associate Degree Nursing Program
- Rasmussen University Bloomington Associate Degree Nursing Program

The Board conducted an on-site survey that was deferred from spring 2020 to fall 2020 due to unforeseen circumstances for compliance with board rules for the following program due to NCLEX® first-time success rates below the minimum standard for three consecutive calendar years (2017, 2018, 2019). The program had NCLEX® success rates below the minimum standard in 2020 and the final recommendation for board action is in process:

- Saint Paul College Practical Nursing Program

The Board removed the following programs from special board oversight as 2020 NCLEX® first-time success rates were above the minimum standard:

- Mesabi Range College Practical Nursing Program
- Bemidji State University Baccalaureate Degree Nursing Program
- Herzing University Baccalaureate Degree Nursing Program

Report of Plans of Corrective Action for Calendar Year 2019

At the August 2020 board meeting, the Board received a report summarizing the plans of corrective action and the revised plans of corrective action submitted by the following programs that were below minimum standard for calendar year 2019:

- Fond du Lac Tribal and Community College Associate Degree Nursing Program
- Herzing University Baccalaureate Degree Nursing Program
- Mesabi Range College Practical Nursing Program
- Rasmussen University Bloomington Associate Degree Nursing Program

Each plan of corrective action was reviewed, and areas identified by the program as needing improvement were noted. All submitted plans were then analyzed as a group to determine if any factors common to all the programs could be identified as impacting first-time candidate success rates on the NCLEX® examination. Across these programs, several elements were commonly identified as contributing to negative outcomes. Common corrective measures included:

- Respond to challenging director oversight due to 3 new directors in a 3-year period.
- Recommendations to increase director retention; provide professional development, mentorship, and eliminate (or limit) teaching assignment with role
- Increase admission standard to enter program
- Evaluate admission process, criteria, and tracking of student outcomes
- Incorporate models and evidence-based tools for clinical judgement development
- Expand advisory committee members to include subject matter experts for increased insight and direction
- Evaluate and support faculty to increase professional development regarding NCLEX preparation
- Enhance lab and simulation technology

- Enhance and integrate ATI resources throughout the entire nursing program
- Identify a systematic course review process for continuous quality improvement
- Implement a testing policy approved by all faculty to use across the nursing program that includes test creation, analysis, & review protocols
- Incorporate simulation across entire curriculum
- Enforce Nurse Tim materials to increase time management and test taking skills
- Increase rigor of all curriculum
- Assess course learning objectives, content, and assessments to ensure that the appropriate rigor is attained to discriminate students' strengths and weaknesses
- Utilize program assessment plan to ensure that assessment methodologies that are used in the program are effective

Report of Board Ordered Surveys for Calendar Years 2018 and 2019

At the August 2020 board meeting, the Board received a report summarizing the on-site survey and revised plans of corrective action submitted by the following program that was below minimum standard for calendar years 2018 and 2019:

- Bemidji State University Baccalaureate Degree Nursing Program

The program submitted a revised plan of corrective action integrating recommendations developed by the survey team.

REPORT OF ANNUAL COMPLIANCE SURVEY

The Board requires directors of approved nursing programs to submit evidence regarding the nursing program's compliance with relevant program approval rules by October of each year. All programs have submitted the requested information.

Minnesota Statute, section 176.182 requires every state and local licensing agency to present acceptable evidence of compliance with the workers' compensation insurance coverage requirement of section 176.181, subdivision 2. All nursing programs submitted evidence indicating compliance with the statute.

Minnesota Rule 6301.2340 subpart 3. A.(4) (a) specifies that students have learning activities with faculty oversight to acquire and demonstrate competence in clinical settings with patients across the life span and with patients throughout the wellness, acute, and chronic illness continuum. Seventy-four nursing programs provided evidence that students have learning activities with patients across the life span and illness-wellness continuum.

Program approval rules state "high fidelity simulation can be utilized no more than half of the time designated for meeting clinical requirements." Nursing programs may lack available clinical resources to provide certain clinical experiences for students and therefore, use simulation to meet these requirements. The nursing faculty decide where to utilize simulation to meet clinical learning requirements which can be used up to 100% to meet specialty clinical experiences provided this represents no greater than 50% of the total clinical hours in the program.

COVID-19 had a significant negative impact on clinical activities during 2020. Previously, the Annual Education report tracked the nursing programs by type and the average corresponding hours of clinical and high-fidelity simulation utilized in the program, however as clinical site access closed, programs considered increased use of simulation to provide needed clinical experiences to address the gap. To address this critical situation, the Education Department looked for a temporary process that would allow programs to exceed the use of simulation for clinical hour replacement as specified in program approval rule.

The Education Department was able to utilize MN Statute 14.055 and 14.056 which permits a person or entity to petition for a variance from a rule adopted by the agency. These statutes identify the conditions when an agency may grant a variance and the information which must be included in a petition for a variance. An agency may grant a discretionary variance if application of the rule results in a hardship, variance from the rule would be consistent with the public interest and the variance would not prejudice legal or economic rights of any person or entity.

Board education staff and a legal analyst used the provisions in this statute to develop a policy statement with criteria for board review and granting of petitions, a rule variance request process and a petition for rule variance form which would permit nursing program directors to apply for a discretionary variance to exceed the 50% threshold for simulation. The documents for this process were presented and approved at the June 4, 2020 Board meeting. Seventy-two of the seventy-four pre-licensure nursing programs submitted petitions during 2020 that were reviewed first by the Education Department and then presented to the full board for approval.

Previous Annual Education Reports provided the number and kinds of programs which utilized 100% simulation to meet a specialty clinical area. Due to the variability of simulation use during the pandemic, no tables are included, as it would reflect inaccurate data.

Accreditation Status

Minnesota Rule 6301.2350 Subpart 1 stipulates that all approved nursing education programs must provide evidence of current accreditation by a national nursing accrediting body approved by the United States Department of Education or the Council for Higher Education Accreditation or its successors by January 1, 2018, or must have achieved candidacy status leading to such accreditation and demonstrated satisfactory progression toward obtaining the accreditation. As of December 31, 2020, all pre-licensure nursing programs are accredited except for one associate degree nursing program that was granted initial program approval in August 2020 and must receive initial nursing-related education accreditation as a requirement for continuing approval.

Report of Faculty Licensure and Credentials

Minnesota Rule 6301.2340 specifies that nursing faculty have a major in nursing at the baccalaureate or graduate level and unencumbered licensure as a registered nurse with current registration in Minnesota. The nursing education program must:

- 3.A. (10) ensure practical nursing program faculty have a baccalaureate or graduate degree in nursing from a regionally or nationally accredited college or university recognized by the United States Department of Education, the Council for Higher Education Accreditation or successors, or by a comparable organization if the baccalaureate- or graduate-level degree is from a foreign country;

3.A. (11) ensure professional nursing program faculty have a graduate degree for full-time faculty and the majority of part-time faculty hold a graduate degree from a regionally or nationally accredited college or university recognized by the United States Department of Education, the Council for Higher Education Accreditation or successors, or by a comparable organization if the baccalaureate or graduate-level degree is from a foreign country. If the major of the graduate degree is not in nursing, the faculty must hold a baccalaureate degree with a major in nursing;

Program directors submitted evidence demonstrating all programs are in compliance with the requirement that all nursing faculty have an unencumbered Minnesota registered nurse license and current registration. All programs demonstrated compliance with the faculty education requirements.

In 2020, an increase of 81 in the total number of faculty teaching in Minnesota practical and professional nursing programs was reported (Appendix B, Table 1). The number of unduplicated faculty also increased slightly from 2019 (Appendix B, Table 4). The duplicated count is reflective of the number of faculty positions; the unduplicated count reflects the actual number of faculty teaching in Minnesota nursing programs. A continuing concern is lack of candidates for full time faculty positions. This is addressed in the special survey by American Association of Colleges of Nursing (AACN) on vacant faculty positions for 2020-2021 which reported 52.1% of the 884 schools surveyed had full time vacancies. The overall vacancy rate in 2020 is 6.5%, a slight decrease from the previous survey of 7.2% in 2019, however, finding faculty with the right specialty mix and noncompetitive salaries were the most common issues related to recruitment.

The NCSBN 2020 Environmental Scan, published January 2020, further discusses the impact of the nursing faculty shortage, particularly of full-time faculty. This shortage is expected to worsen as an increasing number of faculty retire. The National League for Nursing's (NLN) *Faculty Census Survey* (2019) reported 40.2% of professors and 44.6% of chief administrators are age 61 or older. American Association of Colleges of Nursing (AACN) stated that one third of the current nursing faculty workforce in baccalaureate and graduate education are expected to retire by 2025.

Lack of an adequate number of faculty impacts the number of students a program can accept. The lack of nursing faculty is not only due to retirements but also higher compensation in the clinical or private sector and the challenges of teaching. Without an adequate number of nursing educators in the pipeline, the nursing profession will not meet the demand for highly trained nurses at the bedside.

During calendar year 2020, the majority of faculty teaching in a nursing program were employed part time in the program (Appendix B, Tables 3 and 4). Use of part time faculty is a significant trend over the past 5 years and is related to a number of program factors including availability of full-time faculty, salary costs and flexibility in scheduling assignments.

Appendix C provides a list of the number of faculty teaching in each nursing program.

MINNESOTA NURSING EDUCATION PROGRAM REPORTS

Report of Minnesota Graduates: Practical and Professional Programs

Annually, nursing program directors report the number of students who complete the program during a fiscal year, July 1st through June 30th (Appendix D1-D3). Figure 1 displays the trends in number of graduates from practical and professional nursing programs from 2015 to 2020. Compared to 2015, the number of students completing associate degree nursing programs in 2020 increased 3.8%; the number of students completing licensure-preparing baccalaureate and entry level master’s nursing programs in 2020 increased by 29.3%; and the number of students completing practical nursing programs in 2020 decreased by 24%.

When compared to 2019, the number of associate degree graduates in 2020 decreased slightly by <1% and the number of baccalaureate or masters-entry graduates increased 8.5%. There was a 3.1% decrease in practical nursing graduates from 2019 to 2020, continuing a trend over the past 7 years.

Figure 1. Number of graduates reported by Minnesota nursing program directors.

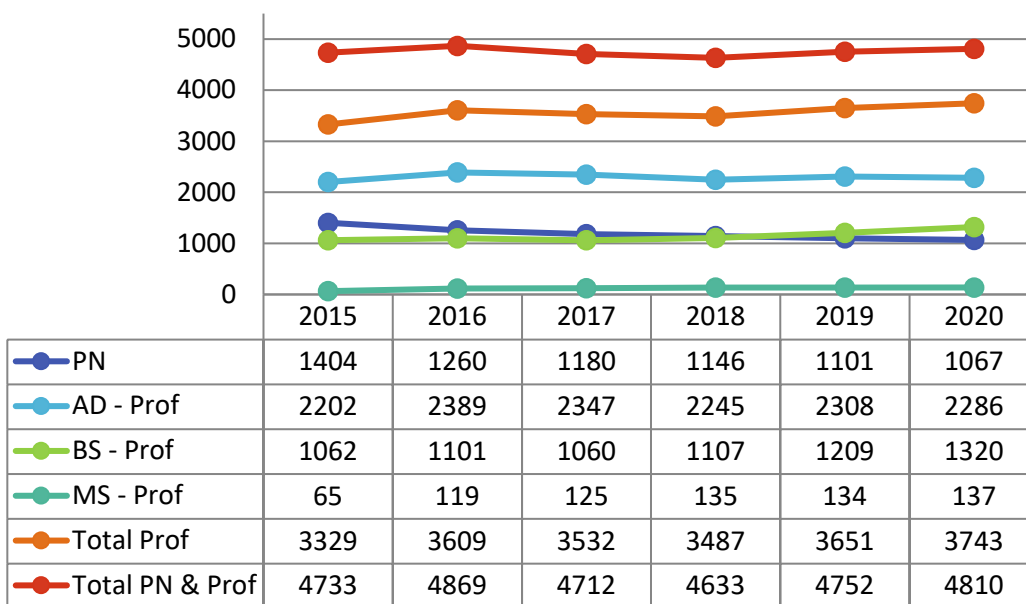
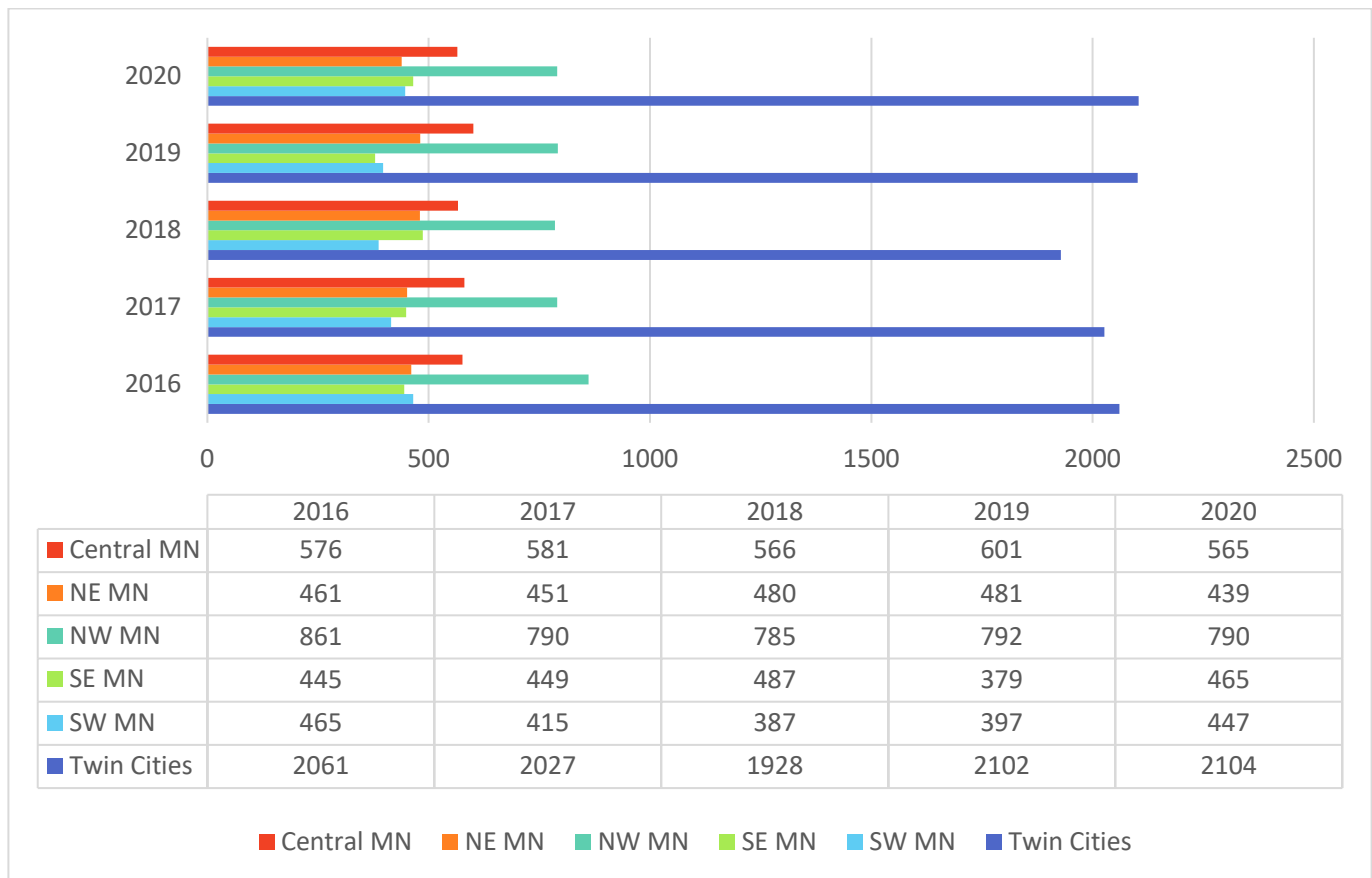


Figure 2 displays the number of Minnesota graduates by region from 2016-2020. Currently, the Twin Cities region contains the highest number of nursing programs. There is a total of 25 nursing programs within the metro area. In 2020, 43.7% of all Minnesota graduates completed their program in the Twin Cities region. Whereas, the Northwest region with the second highest number of graduates in 2020, accounted for 16.4% of total graduates.

The compass for the seven Minnesota regions was determined by the Minnesota Department of Employment and Economic Development (DEED) regional planning map as displayed in Appendix A2.

Figure 2. Number of Minnesota graduates by region 2016-2020.



*Numbers by region include practical nurse, associate degree, baccalaureate and master’s degree graduates. The seven Minnesota regions were determined by the of Minnesota Department of Employment and Economic Development (DEED) regional planning map.

Educational Mobility in Minnesota

Nurses at all levels of practice progress along the educational continuum to increase their knowledge and skill. Licensed practical nurses (LPN) are granted advanced standing in associate degree nursing programs. Registered nurses, both diploma and associate degree, pursue baccalaureate degrees and advanced degrees in nursing.

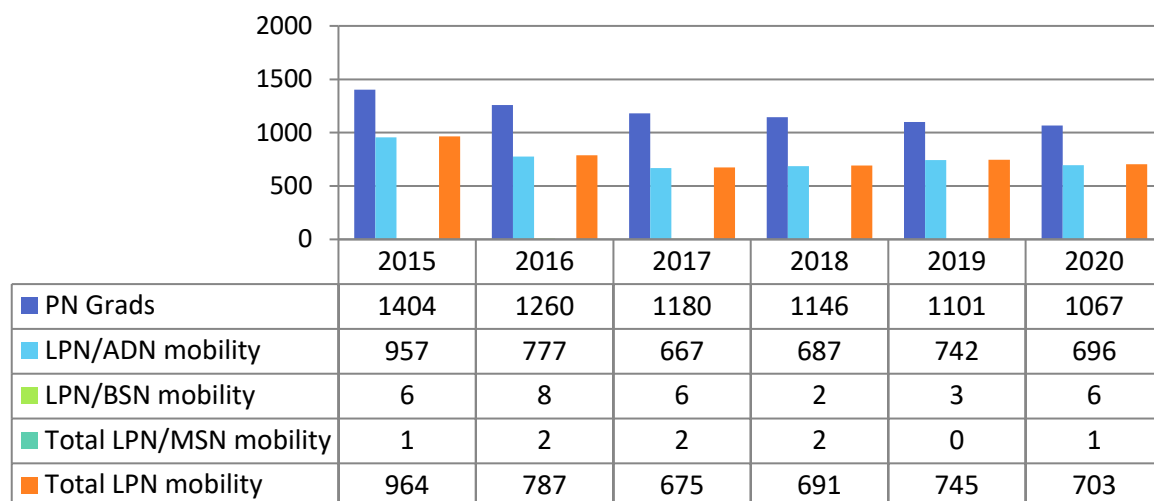
Advanced Standing for Licensed Practical Nurses

Minnesota associate degree nursing programs have a statutory requirement to grant advanced standing. Associate degree nursing programs approved or seeking to be approved by the Board shall provide for advanced standing for licensed practical nurses in recognition of their nursing education and experience (M.S. 148.251, subd. 6).

There are two types of associate degree curricula offering advanced standing to LPNs. Generic associate degree (AD) programs admit qualified applicants and must offer advanced standing to qualified LPN applicants. Mobility AD programs offer a curriculum specifically designed for LPNs to become professional nurses and admit only LPNs as students. The number of advanced standing credits granted by associate degree nursing programs to LPNs or PN program completion graduates is found in Appendix E.

Figure 3 illustrates how practical nurses are mobilizing into professional nursing. From 2015 to 2020, graduates of Minnesota approved practical nursing programs totaled 7,158. During the same period, 4,526 practical nurses graduated from a Minnesota approved associate degree professional nursing program. In comparison to the total number of practical nurse graduates, 63.8% of practical nurses eventually mobilize and complete a professional nursing program. This rate of conversion has been stable for several years. The data demonstrates that a lower number of persons are pursuing licensure and continuing practice as a practical nurse.

Figure 3. Number of LPNs completing professional programs versus PN graduates.



Post Licensure Baccalaureate Programs for Registered Nurses

Nationally, there has been an increase in enrollment for RN to BSN programs. The American Association of Colleges of Nurses has reported a continuing increase in enrollment for RN to BSN programs over the past ten years. The number of RN to BSN graduates increased 192.6% from 2010 to 2019. (Campaign for Action, September 2020). A survey of nursing programs indicated that 43.2% of hospitals and other health care settings require new hires to have a bachelor’s degree in nursing, while 82.1% of employers express a strong preference for BSN program graduates (AACN, October 2019). This employer preference is one factor in the development of RN-BSN programs, which now outnumber the availability of four-year nursing programs or accelerated baccalaureate program for non-nursing college graduates (AACN, April 2019). According to the Future of Nursing: Campaign for Action, 57% of employed registered nurses held a baccalaureate degree in 2018, an increase from 49% in 2010 (Campaign for Action, September 2020).

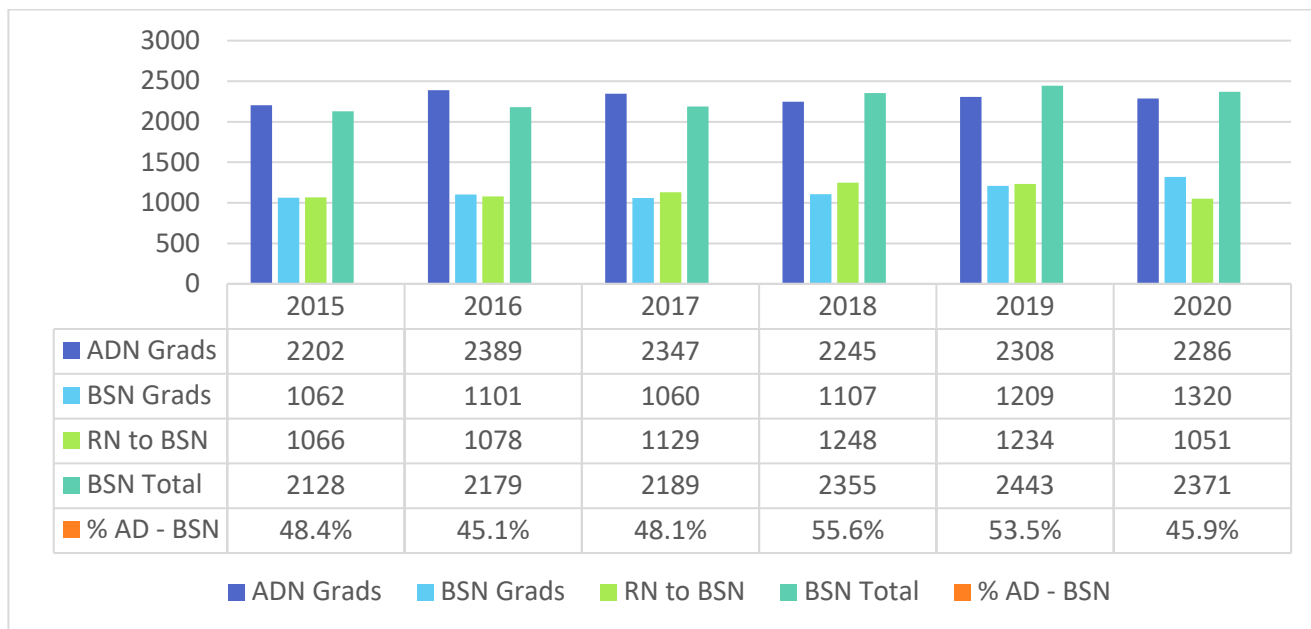
The number of registered nurses with associate degrees and diplomas graduating from baccalaureate completion nursing programs (RN to BSN) are listed in Figure 4. In Minnesota, 11 out of 20 approved baccalaureate degree licensure-preparing programs offer baccalaureate completion opportunities for registered nurses. Additionally, there are three baccalaureate completion programs in Minnesota that do not offer licensure-preparing baccalaureate programs.

The Board does not have jurisdiction over post-licensure baccalaureate programs. Data are supplied by directors of nursing programs in Minnesota. Non-jurisdictional baccalaureate completion programs in Minnesota with a physical campus voluntarily provide RN to BSN graduate statistics to the Board.

Figure 4 presents an estimated number of graduates from baccalaureate completion programs in Minnesota from 2015–2020. The percentage of RNs returning to complete the baccalaureate degree as compared to the percentage of graduates from Minnesota associate degree nursing programs decreased from 48.4% in 2015 to 45.9% in 2020. Although there was not an increase in number of ADN to BSN graduates, there was an increase in BSN graduates from pre-licensure programs. Furthermore, the Institute of Medicine Future of Nursing Report (IOM) goal of 80% BSN by 2020 was not achieved and is now delayed to 2029. Included in the RN to BSN graduate numbers are individuals who graduated from diploma programs. The last diploma school in Minnesota closed in 1987. Unlike the associate degree graduates, there are no annual graduate figures to include, therefore, reported percentages of those returning for a baccalaureate degree as shown in Figure 4 are inflated.

The number of Minnesota nurses attending online RN to BSN programs not located in Minnesota are not included in the data; additionally, the Board of Nursing does not collect data from licensees regarding the highest nursing degree earned.

Figure 4. Number of RNs completing Minnesota baccalaureate nursing completion programs.



Additional Nursing Degrees Earned

Table 1. summarizes additional nursing degrees earned by those nurses initially educated by diploma, associate or post associate degrees, as self-reported by registered nurses responding to the Minnesota Department of Health, Office of Rural Health and Primary Care (ORHPC) survey between December 1, 2018 – January 31, 2021. Existing data collection strategies in Minnesota make obtaining an accurate number of nurses who return for additional degrees difficult. The response rate for the ORHPC survey was 48%. The survey response rate is typically above 70%. The decrease in response rate can be attributed to an interruption in the regular workforce survey beginning spring 2020 through September 2020; a substitute COVID-19 survey was administered during this time.

Of those who completed initial licensure at the associate degree level, 31.5% indicated they had completed an additional nursing degree (baccalaureate or higher). Approximately 92% of those educated in a diploma nursing program achieved a higher degree.

Table 1. Additional nursing degrees earned by diploma and associate educated RNs

Type of Degree	Initial Nursing Degree at Time of RN Licensure	Number Completing Higher Nursing Degree
Associate or Post Associate	23,029 (100%)	7,251 (31.5%)
Diploma*	2,913 (100%)	2,680 (92%)

*Note: The last diploma program in MN closed in 1987

Source: Minnesota Department of Health, Office of Rural Health and Primary Care Survey, December 1, 2018 – January 31, 2021

Table 2. offers a comparison between the initial nursing degrees at the time of RN licensure and the highest nursing degrees earned as reported by registered nurses completing the ORHPC survey. There is a 91% increase in the number of nurses who earned a baccalaureate or higher degree as their highest nursing degree compared with the number reporting a baccalaureate or higher degree as their initial nursing degree.

Table 2. Initial and highest nursing degrees as reported by RNs in ORHPC survey

Degree Type	Initial Nursing Degree	Highest Nursing Degree
Baccalaureate	14,576	23,147
Post Baccalaureate	194	1,827
Master's	420	3,329
Post Master's	4	215
Doctorate	13	599

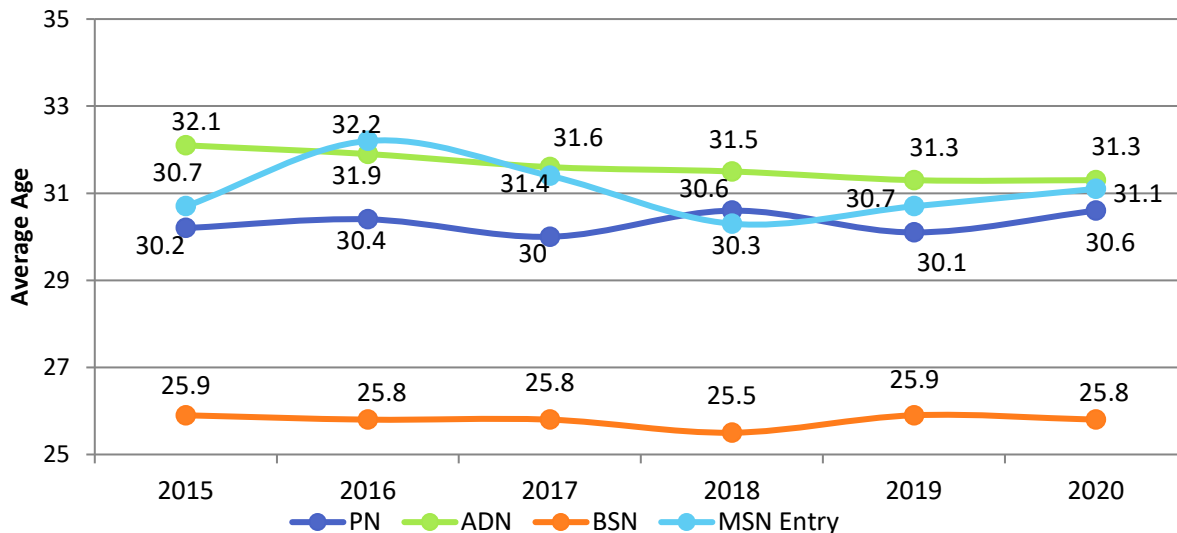
Source: RNs responding to Minnesota Department of Health, Office of Rural Health and Primary Care Survey December 1, 2018 – January 31, 2021

Demographic Characteristics of Minnesota Graduates at the Time of Licensure

Average Age at Time of Licensure

Figure 5 depicts the average age at the time Minnesota RNs and LPNs were licensed by exam for calendar years 2015 – 2020. During this period, the mean age of baccalaureate prepared nurses, associate degree professional nurses and practical nurses remained relatively constant.

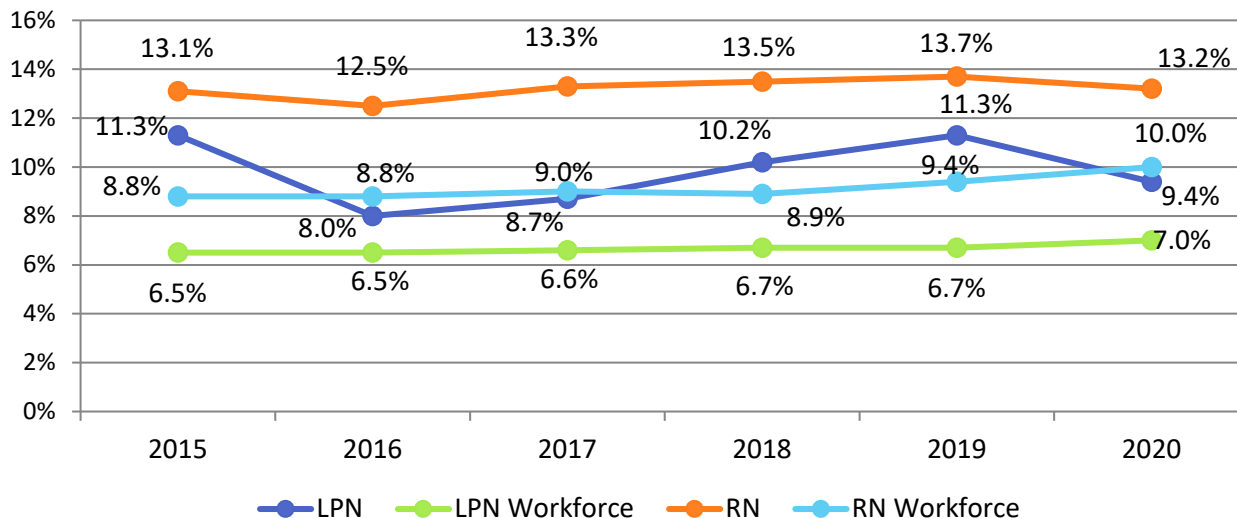
Figure 5. Average age at time of licensure by examination in Minnesota.



Males at Licensure Compared to the Workforce

As depicted in Figure 6, from 2015 to 2020, there is a greater percentage of males who graduated from Minnesota approved nursing programs as compared to the total percentage of males in the Minnesota RN or LPN workforce. Compared to 2019, the number of males graduating from Minnesota RN programs decreased by .5% in 2020 and males graduating from PN programs decreased by 1.9%. Increasing the number of males in nursing is another recommendation noted in the 2010 IOM report.

Figure 6. Male nurses licensed by exam vs. males in the Minnesota workforce.



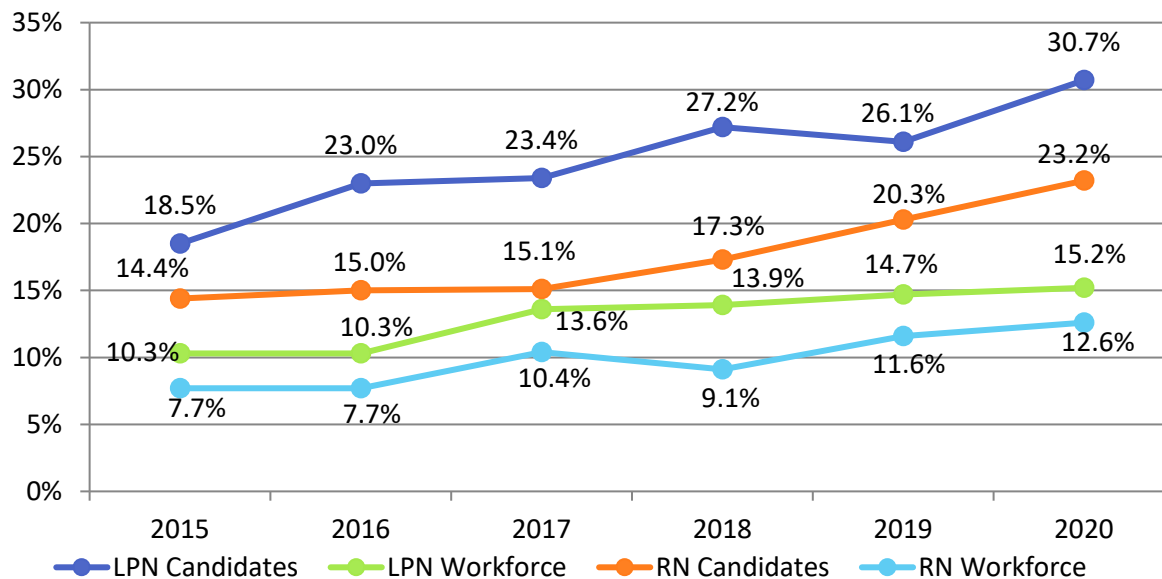
Ethnicity in Underserved/Underrepresented at Licensure Compared to the Workforce

When candidates complete registration for the NCLEX® exam, they may volunteer information about ethnic origin. National Council of State Boards of Nursing (NCSBN) ethnicity data regarding candidates from Minnesota programs for 2015 – 2020 is presented in Appendix F.

Between 2015 and 2020, an average of 24.8% of PN candidates and 17.6% of RN candidates self-reported as an ethnic minority (NCSBN, 2020). Figure 7 compares this candidate data with the ORHPC workforce survey, wherein 15.2% of the LPN workforce and 12.6% of the RN workforce were non-white (ORHPC, 2020). In comparison, the ethnicity of PN and RN candidates is greater than the self-reported ethnicity of LPNs and RNs responding to the ORHPC survey. If students completing Minnesota nursing programs continue to be more ethnically diverse, eventually the workforce percentages should reflect that increase. Increasing diversity in the nursing workforce is also a recommendation identified in the IOM report.

According to the 2019 census data, Minnesota’s non-white population was approximately 21.8%. The ethnic diversity of PN and RN candidates is greater than the percentage of the Minnesota non-white population. The overall percentage of ethnic diversity of PN and RN candidates is at 24.8%, which is greater than Minnesota’s non-white population.

Figure 7. Ethnic diversity in Underserved/Underrepresented candidates for licensure exam vs. minority ethnicity of the Minnesota workforce.



Primary Language at Licensure

When candidates complete the NCLEX® registration, they may volunteer information about their primary language. Figures 8 and 9 present data from NCSBN regarding candidates from Minnesota nursing programs during 2015 – 2020.

Figure 8. Minnesota PN candidates self-report of primary language.

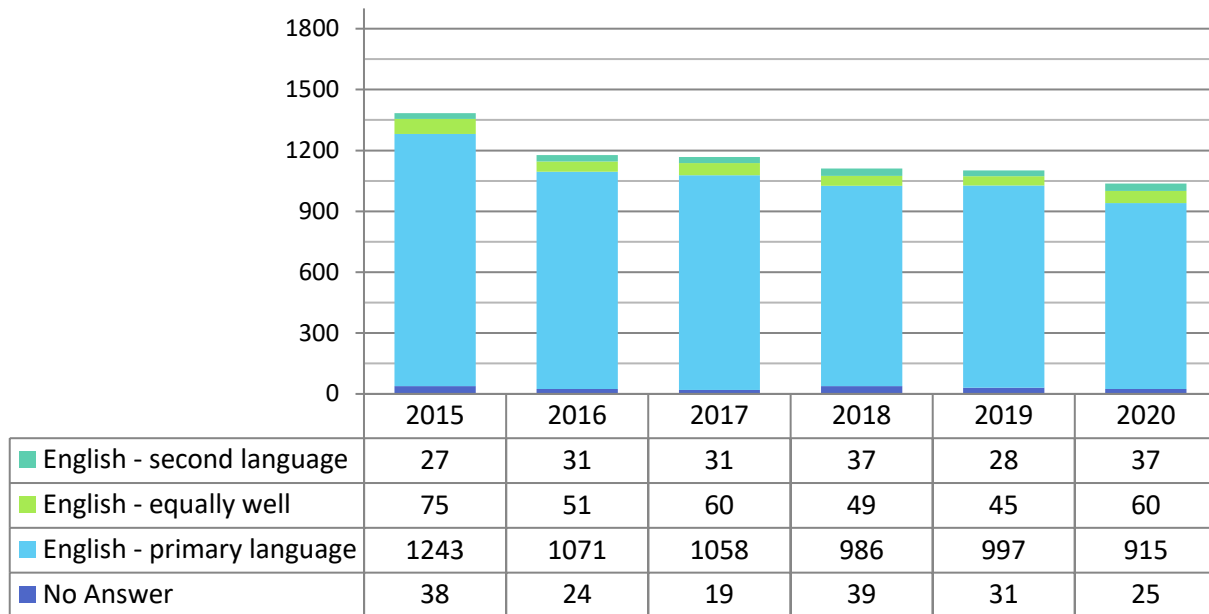
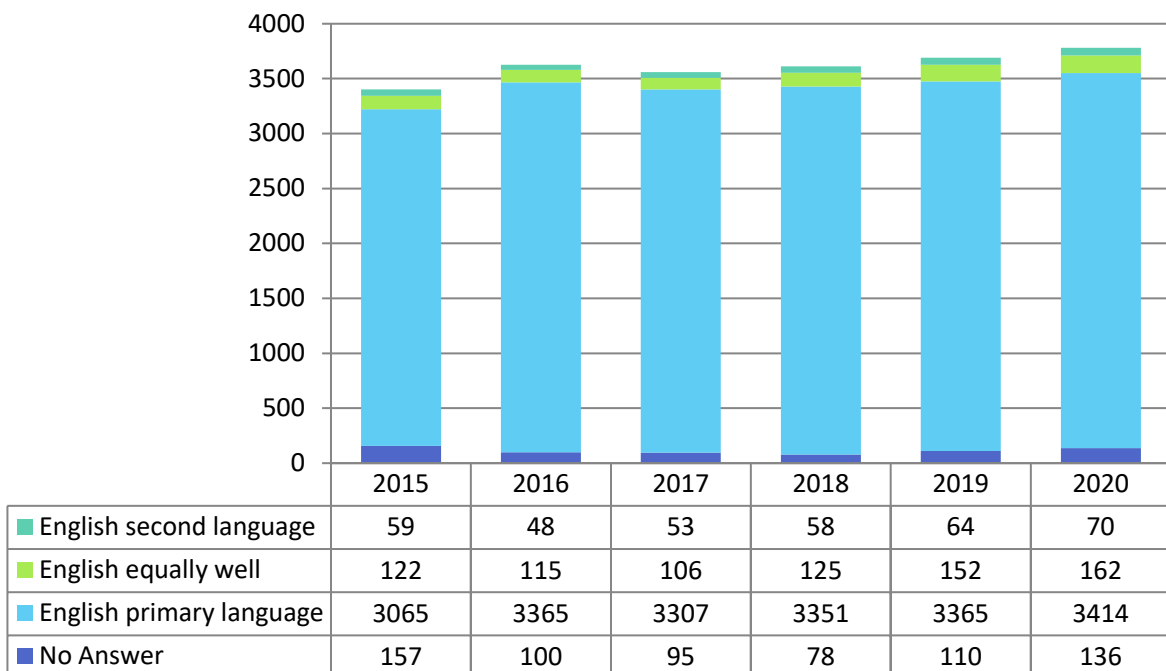


Figure 9. Minnesota RN candidates self-report of primary language.



REPORT OF NCLEX® RESULTS

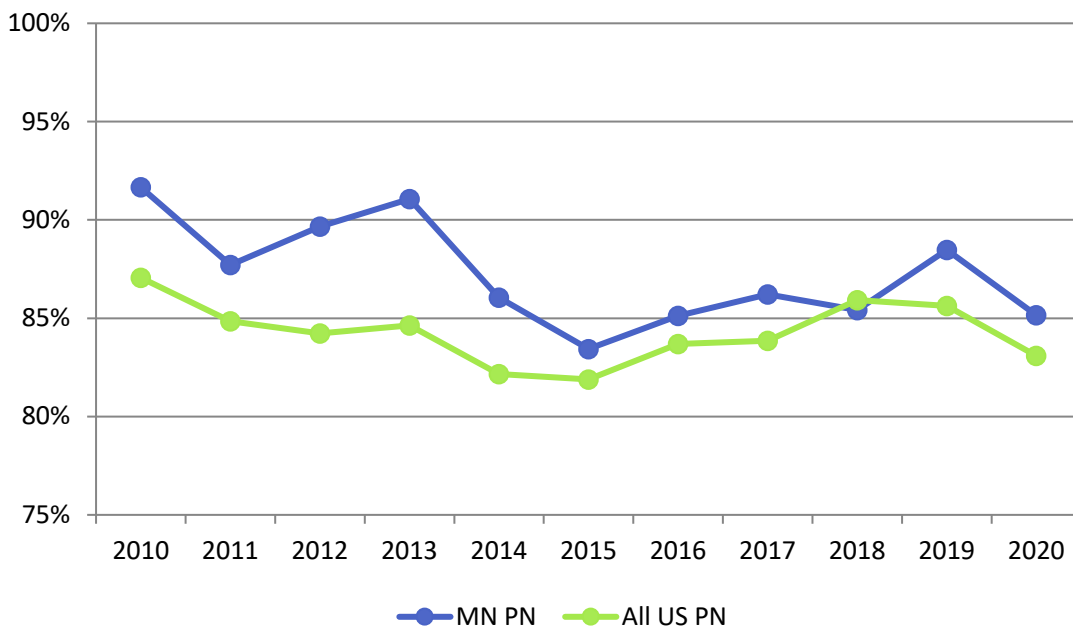
Success rates for Minnesota Programs for Calendar Year 2020

The reports of first-time success rate and number of PN and RN candidates reflect the total number of candidates from Minnesota nursing programs, including candidates who applied for licensure by exam in other jurisdictions.

Minnesota programs' first-time success rates for practical nursing candidates on the NCLEX-PN® licensing examination and first-time success rates for professional nursing candidates on the NCLEX-RN® licensing examination are displayed in Appendix G1-G3.

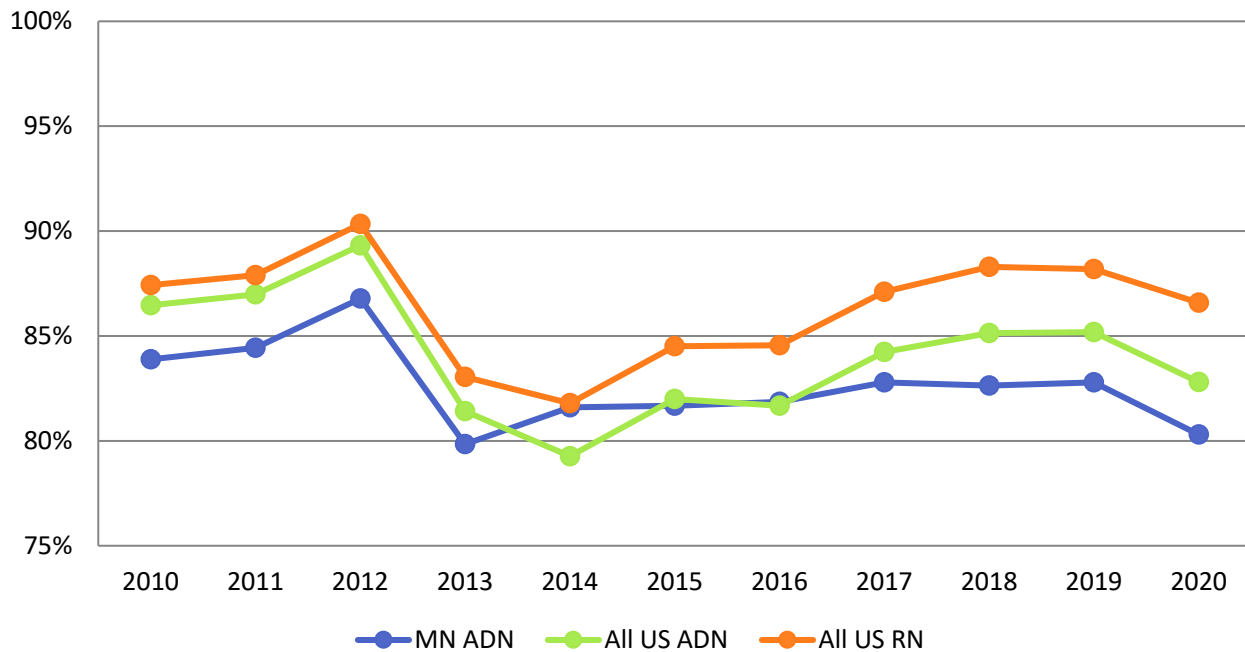
In 2020, practical nursing candidates from Minnesota had an 85.15% first-time success rate as compared to 83.09% for all United States practical nursing candidates as indicated in Figure 10. Minnesota success rates were above the national average. On April 1, 2020, NCSBN raised the NCLEX-PN passing standard by 0.03 logits. This determination is based on multiple sources of information including surveys to nursing professionals, nursing educators, directors of nursing in acute care settings and administrators of long-term care facilities.

Figure 10: Comparison of first-time NCLEX-PN® candidate success rates.



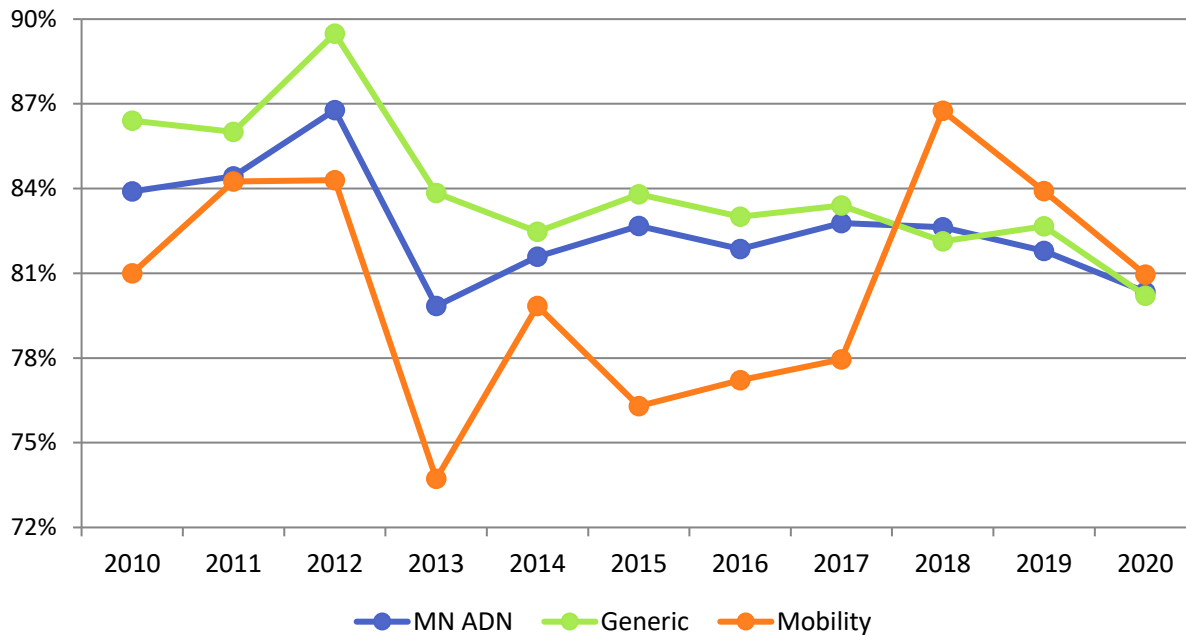
Associate degree nursing candidates from Minnesota nursing programs had an 80.30% first-time success rate for 2020 as compared to 82.81% for all United States associate degree candidates from U.S. programs (Figure 11). This year, Minnesota associate degree nursing program success rate is lower than the national average.

Figure 11. Comparison of first-time NCLEX® associate degree candidate success rates.



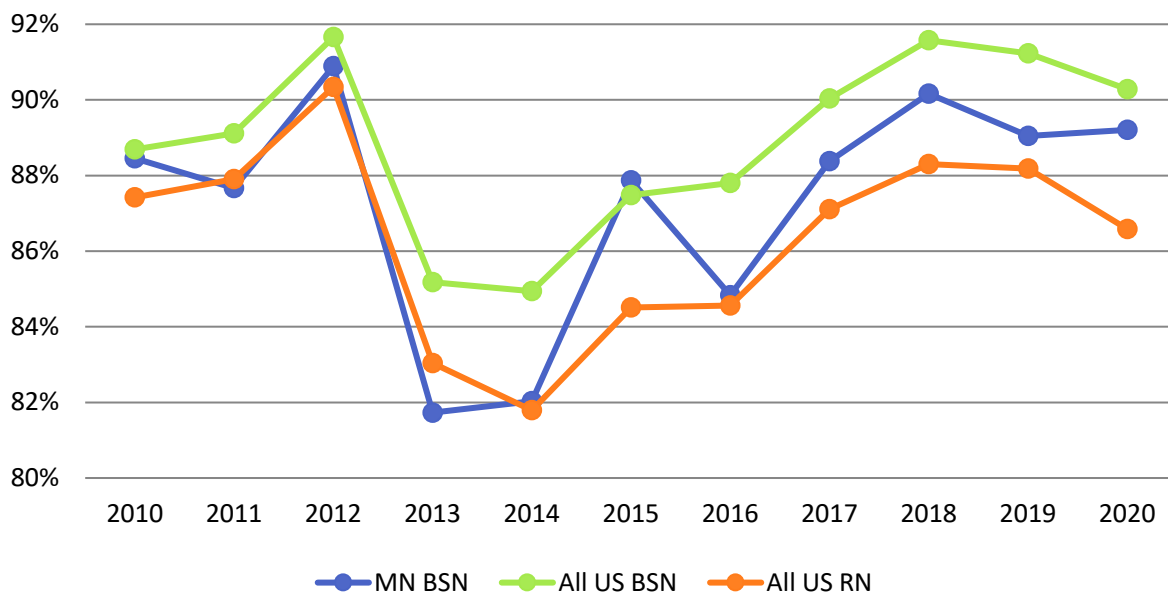
In considering Minnesota first-time success rates by type of associate degree nursing program, the mobility AD programs averaged slightly higher first-time success rates than the generic AD programs for 2020 (Figure 12). The first-time success rate for mobility AD programs averaged 80.95% whereas the generic AD programs averaged 80.21%. Mobility AD programs and generic AD programs in Minnesota are below the national average success rate of 82.81% for associate degree nursing programs for 2020.

Figure 12. Comparison of first-time NCLEX® success rates by associate degree program types.



As illustrated in Figure 13, the 2020 first-time success rates for baccalaureate and higher degree candidates of Minnesota approved nursing programs was 89.21% as compared to a success rate of 89.05% in 2019. In 2020, the U.S. average for all baccalaureate candidates was 90.28%, a decrease from the previous year.

Figure 13. Comparison of first-time NCLEX-RN® baccalaureate degree candidate success rates.



Number of Times to Attain First-time NCLEX® Success

The Board does not restrict the number of times candidates for licensure by exam may retake the NCLEX® for Minnesota nurse licensure. However, M.R. 6305.0400, Subp. 12.E., adopted October 23, 2017, requires a candidate to complete a review course if it has been five or more years since graduation or the applicant has not successfully passed the exam within five years of completing the program.

Table 3 depicts the number of attempts by Minnesota candidates of Minnesota programs before achieving success on the exam in recent years.

Table 3. Attempts by Minnesota Candidates to Achieve NCLEX® Success.

# of Attempts	PN Candidates			ADN Candidates			Baccalaureate Candidates			Master Candidates		
	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
1	804	794	715	1749	1741	1632	915	946	1035	112	123	118
2	94	78	95	215	208	216	79	89	94	11	6	113
3	16	28	12	51	57	69	19	25	19			0
4	12	8	8	24	32	28	4	9	13			0
5	2	4	0	9	16	19	3	6	4			1
6	7	0	5	11	6	12	2	2	2			
7	2	6	1	3	5	5	1	0	0			
8	1	2	0	1	5	7	1	0	1			
9	2	1	1	1	3	2	1	0	1			
10	0	1		0	2	4	1	0				
11	2	0		0	2	0		0				
12		0		1		1		0				
13		2				0		1				
14						1						
38						1						
Total	942	924	837	2065	2077	1997	1026	1078	1169	123	129	232

ADA Accommodations for NCLEX® Examination

Applicants for licensure by exam have the option of requesting accommodations based on a documented disability, consistent with the provisions of the Americans with Disabilities Act. Requests are granted, partially granted, or denied based on a review of supporting documentation. Compared with 2015, there was a 127.78% increase in the number of processed accommodation requests in 2020. Table 4 reflects accommodation decisions processed by the Education Department.

Table 4. Accommodation Decisions for 2015 – 2020

Decision	2015	2016	2017	2018	2019	2020
Granted	59 (81.9%)	75 (77.3%)	94 (92.16%)	121 (93.8%)	120 (99.2%)	163 (99.4%)
Partially granted	12 (16.7%)	18 (18.6%)	8 (7.8%)	7 (5.4%)	1 (<1%)	0
Denied	1 (1.4%)	4 (4.1%)	0 (0.00)	1 (<1%)	0 (0.00)	1 (<1%)
Total Processed Accommodation Requests	72	97	102	129	121	164
Rescinded Accommodation Requests	-	-	128	96	88	131

*Rescinded data unavailable for 2015 and 2016

MN Program Candidates Taking the NCLEX® in Other Jurisdictions

In 2020, 15.4% candidates from Minnesota practical nursing programs, 8.4% candidates from Minnesota associate degree professional nursing programs, and 11.5% of candidates from Minnesota baccalaureate and higher professional programs applied for licensure by exam in other jurisdictions (Figure 14). This is compared to the time period from 2015 to 2019, when an average of 13.3% of Minnesota practical nursing candidates, 7.7% of Minnesota associate degree professional nursing candidates, and 10.9% of Minnesota baccalaureate and higher professional nursing candidates applied for licensure by exam in other jurisdictions.

In 2020, the percentage of graduates from associate and baccalaureate and higher degree professional programs applying for licensure by exam in other jurisdictions increased. The number of practical nursing graduates seeking licensure in other jurisdictions decreased. It is noteworthy there are Minnesota practical and associate degree nursing programs close to other state borders and graduates of these programs represent the highest percentage seeking licensure in other jurisdictions.

Figure 14. Minnesota program candidates applying for licensure by exam in other jurisdictions.

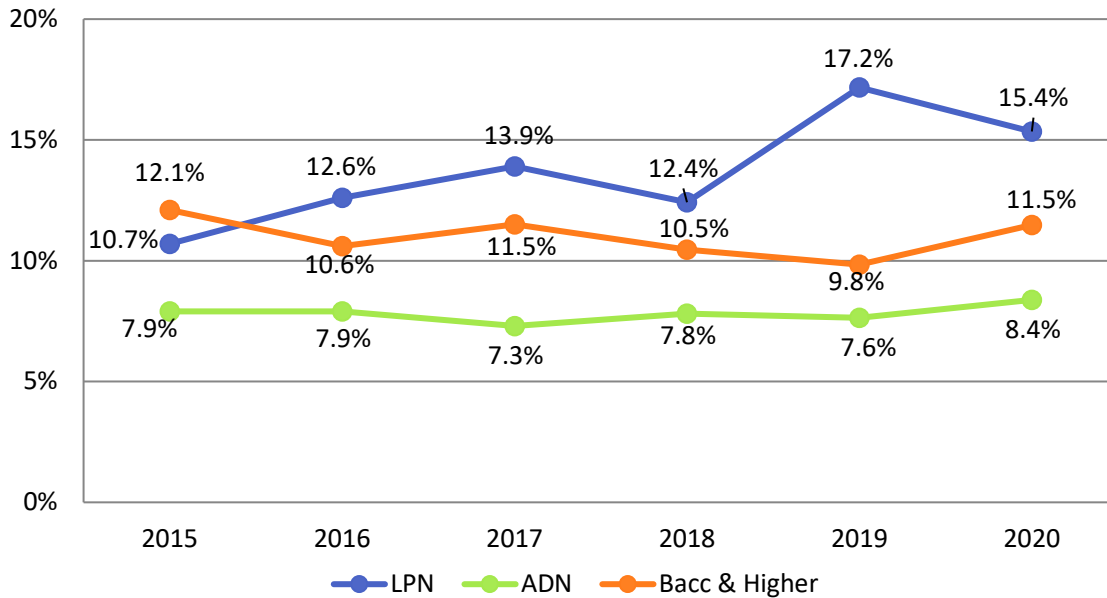
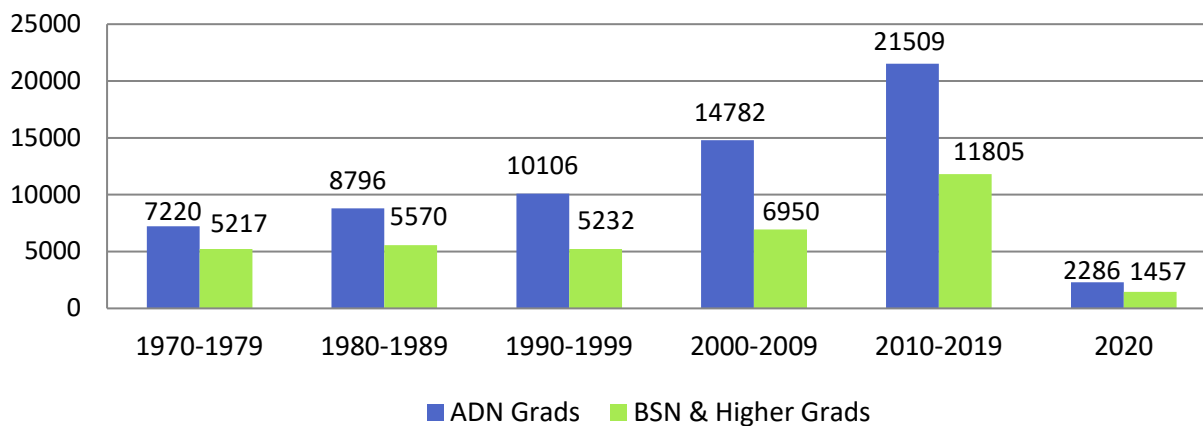


Figure 15 illustrates the proportion of Minnesota graduates who are educated at the associate and baccalaureate degrees from 1970 – 2020. While meeting the IOM recommendation related to preparation at the baccalaureate level remains a challenge, it is encouraging to note the rate of growth in the current time period when compared to the previous decade. Therefore, it appears Minnesota is making progress towards the 2010 IOM goal of an 80-20 ratio of baccalaureate prepared nurses to associate degree nurses.

Figure 15. Number of associate degree and baccalaureate and higher degree graduates.



PART II: ADVANCED PRACTICE NURSING PROGRAMS

Approved Nursing Programs

As of December 31, 2020, there are 12 Board approved and accredited advanced practice nursing programs in Minnesota. (Appendix H)

Continuing program approval

Continuing approval was granted to the following schools upon renewal of accreditation:

- Minnesota State University Mankato Master's Degree Nurse Practitioner Program (CCNE)
- Winona State University Doctor of Nursing Practice Program (CCNE)

National Nursing Accrediting Body:

CCNE – Commission on Collegiate Nursing Education

Letters of Intent

The Board accepted letters of intent from two programs:

- College of Saint Benedict/Saint John's University Advanced Practice Nursing Program-DNP-Family Nurse Practitioner Track
- Rasmussen University Advanced Practice Nursing Program Master's Degree-Psych/Mental Health Nurse Practitioner (PMHNP)

Report of Licensure and Credentials

Minnesota Rule 6301.2340 3.A. (8) addresses the requirements for nurse faculty who lead a specific track within an advanced practice nursing program. The nursing program must ensure advanced practice nursing program faculty who coordinate or lead a program track are:

- (a) educationally prepared;
- (b) nationally certified in the same role and population focus; and
- (c) hold an unencumbered licensure as a registered nurse and as an advanced practice registered nurse with current registration in Minnesota.

All advanced practice nursing programs submitted evidence indicating compliance with the rule.

Minnesota Rule 6301.2340 specifies that nursing faculty have a major in nursing at the baccalaureate or graduate level and unencumbered licensure as a registered nurse with current registration in Minnesota. The nursing education program must:

- 3.A. (12) ensure advanced practice nursing program faculty have a graduate degree in a health-related field in a clinical specialty from a regionally or nationally accredited college or university recognized by the United States Department of Education, by the Council for Higher Education Accreditation or successors, or by a comparable organization if the graduate-level degree is from a foreign country;

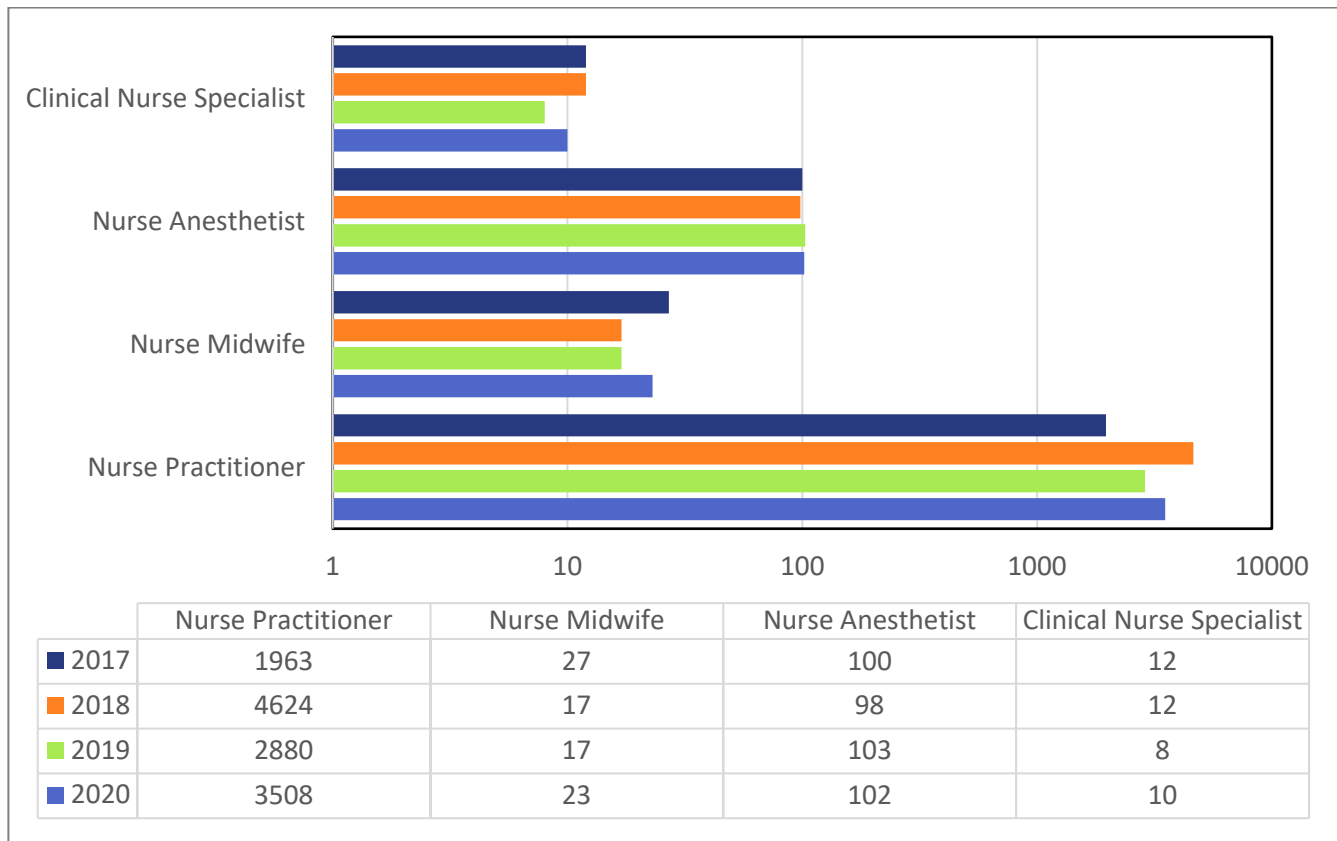
Twelve program directors submitted evidence demonstrating all programs are in compliance with the requirement that all nursing faculty have an unencumbered Minnesota registered nurse license and current registration.

Appendix I provides information on the number of faculty teaching at each advanced practice nursing program (Appendix I, Table 6). During calendar year 2020, the majority of faculty teaching at an advanced practice program were employed part time. Table 7 provides the highest academic credential as well as the highest APRN credential earned by faculty.

REPORT OF MINNESOTA ADVANCED PRACTICE GRADUATES

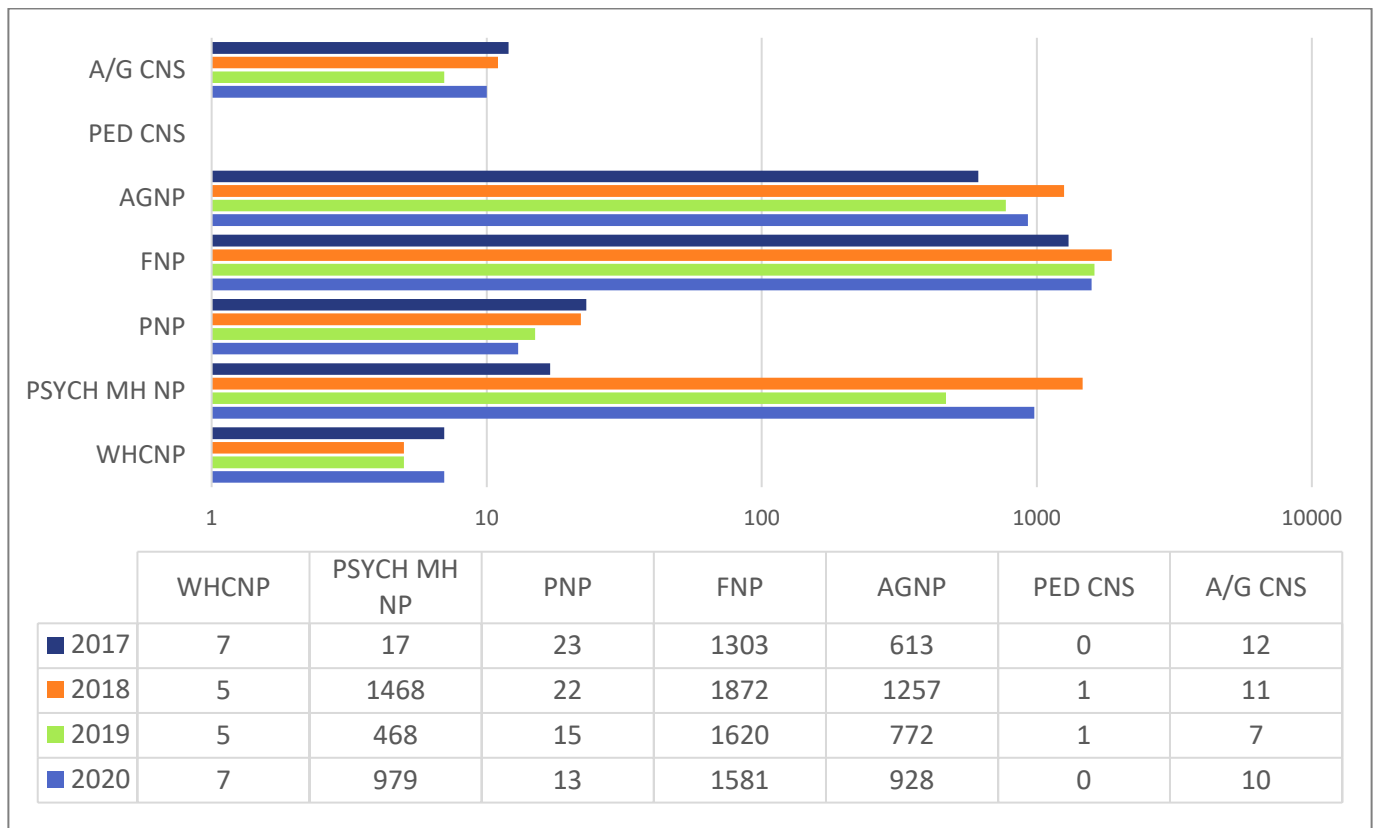
In October 2020, advanced practice nursing program directors reported the number of students that were admitted and completed the program during the fiscal year, July 1st through June 30th (Appendix J). Figure 16 depicts the 2017-2020 advanced practice program graduates by role. Figure 17 depicts the 2017-2020 advanced practice program graduates by population.

Figure 16. Number of advanced practice program graduates by role.



*One Minnesota approved online advanced practice program, which serves students in all 50 states, reflects 93.5% of all Nurse Practitioner graduates in 2020.

Figure 17. Number of advanced practice program graduates by population.



AGNP = Adult/Gerontological Nurse Practitioner FNP = Family Nurse Practitioner
 PNP = Pediatric Nurse Practitioner PSYCH MH NP = Psychiatric Mental Health Nurse Practitioner
 WHCNP = Women’s Health Care Nurse Practitioner A/G CNS = Adult/Gerontological Clinical Nurse Specialist
 PED CNS = Pediatric Clinical Nurse Specialist

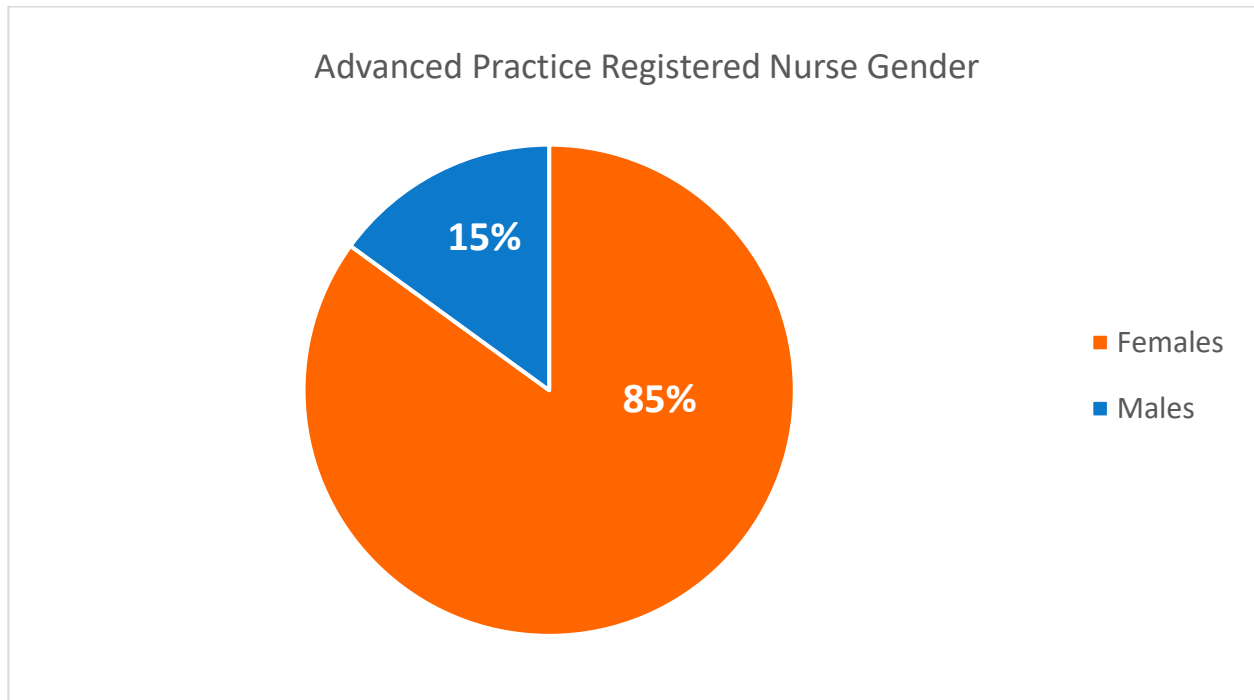
- CNM and CRNA are not included in Figure 16 as CNM is exclusively women’s population and CRNA is family population
- Neonatal Nurse Practitioner (NNP) and Neonatal Clinical Nurse Specialist (NCNS) are not included in Figure 16 as Minnesota programs do not currently offer either program
- Family, women’s or mental health CNS are not listed as there is no longer a certification exam and the roles are being phased out

Minnesota Office of Rural Health and Primary Care 2019-2020 Survey

Demographics of APRN Graduates in Minnesota

As depicted in Figure 18, of the responses received by the Minnesota Department of Health, Office of Rural Health and Primary Care (ORHPC) survey between December 1, 2018 – January 31, 2021, males make up 15% of advanced practice registered nurses.

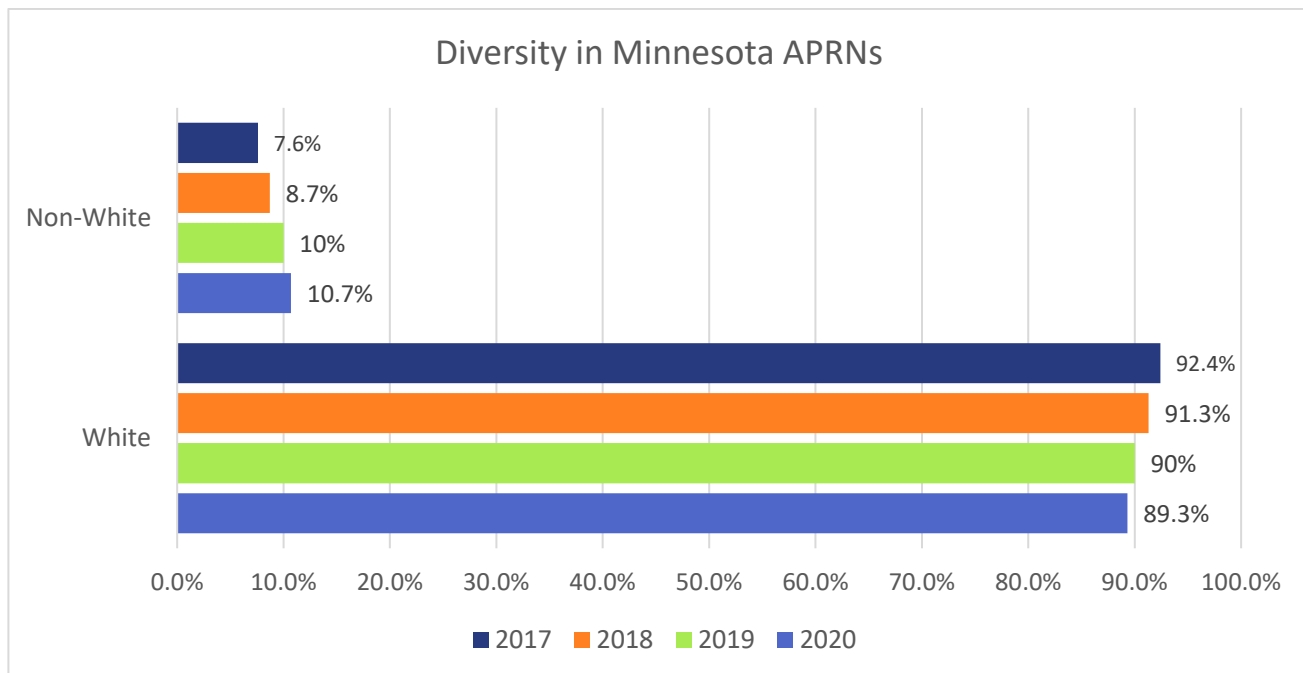
Figure 18. Advanced Practice Registered Nurse Gender



*APRNs responding to Minnesota Department of Health, Office of Rural Health and Primary Care Survey responses between December 1, 2018 – January 31, 2021

Between 2017 and 2020, an average of 9.3% of advanced practice registered nurses in Minnesota self-reported as an ethnic minority (ORHPC, 2020). The percentage of non-white advanced practice registered nurses has increased from 7.6% in 2017 to 10.7% in 2020, as shown in Figure 19.

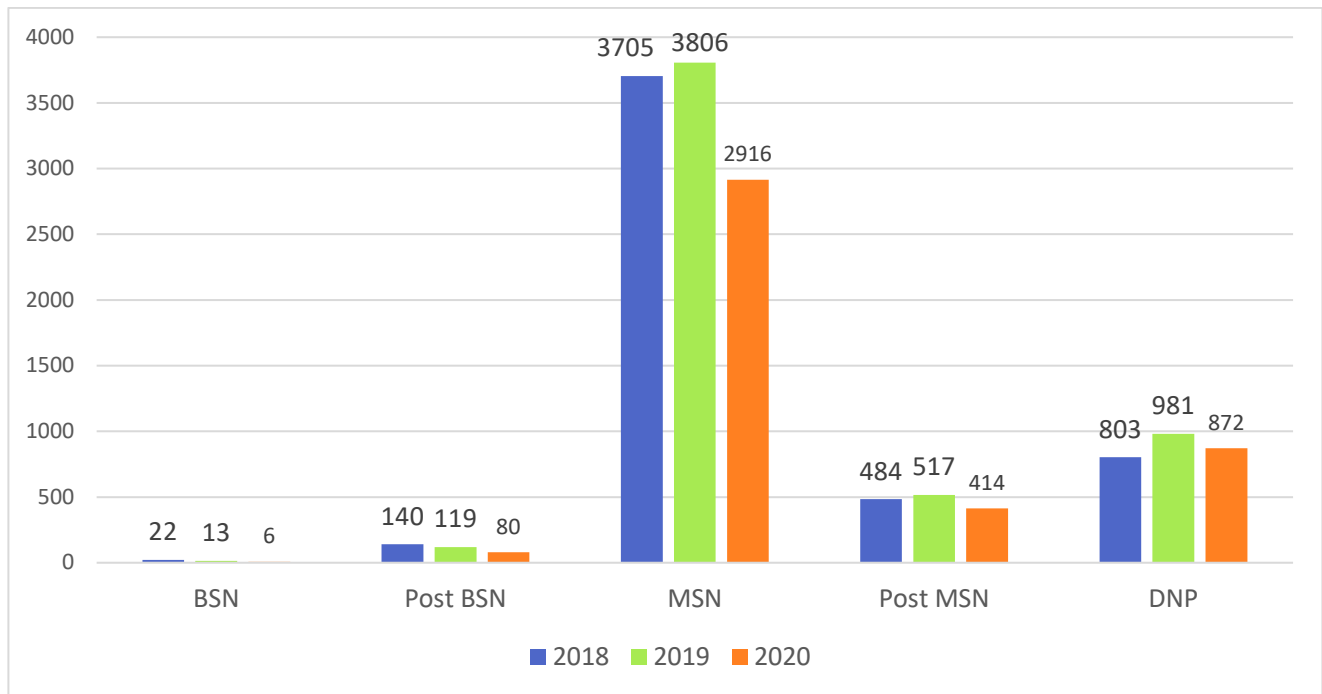
Figure 19. Diversity in Minnesota advanced practice registered nurses



*APRNs responding to Minnesota Department of Health, Office of Rural Health and Primary Care Surveys 2017-2020.

Figure 20 summarizes the highest nursing degrees earned as self-reported by advanced practice registered nurses responding to the Minnesota Department of Health, Office of Rural Health and Primary Care (ORHPC) survey between December 1, 2018 – January 31, 2021. Existing data collection strategies in Minnesota make obtaining an accurate number of nurses who return for additional degrees difficult. The response rate for the 2019-2020 ORHPC survey was 80%.

Figure 20. Highest nursing degrees earned by advanced practice nurses in Minnesota



*APRNs self-responding to Minnesota Department of Health, Office of Rural Health and Primary Care surveys 2018-2020.

REPORT OF CERTIFICATION RESULTS

Certification Success Rates for Minnesota Advanced Practice Programs

Minnesota advanced practice nursing programs’ first-time certification exam success rates are displayed in Appendix K, (Table 8) for years 2016 - 2019. The national average success rates for the certifying exams by organizations that are accepted by the board are presented in Appendix K (Table 9).

STRATEGIC INITIATIVES

Board Charges to the Education Committee:

1. Review all proposed program Letters of Intent and Phase II applications and make recommendations to the Board

The Education Committee reviewed and recommended Board approval of three letters of intent from 1) College of Saint Benedict-Saint John's University (CSB/SJU) Family Nurse Practitioner (FNP) at the August 6, 2020 Board meeting 2) Rasmussen University for a Psychiatric/Mental Health Nurse Practitioner (PMHNP) at the August 6, 2020 Board meeting and 3) Saint Mary's University of Minnesota, Bachelor of Science in Nursing (BSN) at the October 1, 2020 Board meeting.

The Education Committee reviewed and recommended initial program approval to the Board for two programs 1) Minnesota State University Moorhead for a BSN at the June 4, 2020 meeting 2) Minnesota State College Southeast- A Technical and Community College for an ASN at the August 6, 2020 meeting.

Education Committee members serve on the evaluation team for initial program approval visits. The initial program approval visit was virtual in 2020 with scheduled time between the evaluation team and the program director, faculty, administration, resource personnel and clinical site representatives. Physical resources were confirmed through a program designed PowerPoint.

2. Engage key stakeholders to address emerging evidence in nursing education and practice

The Education Committee participated in several National Council of State Boards of Nursing (NCSBN) presentations. These committee discussions revolved around program approval and associated warning signs a program may be falling below required standards for approval. This emerging evidence is shared by committee team members during below minimum standard survey visits and supported further recommendations to improve program outcomes.

ADDITIONAL EDUCATION ACTIVITIES IN SUPPORT OF REGULATORY INITIATIVES

MNSHEP (Minnesota Simulation for Healthcare Education Partnerships)

MNSHEP continues to focus on best practices in simulation under a new Director of Healthcare Education and Industry Partnerships (HEIP). Marilyn Krasowski, Director for Education, serves on the MNSHEP Advisory Board, which established work groups to address key simulation needs of educators.

Data Resources Committee

Education staff continue to serve on the Board Data Resources Committee, although meetings were paused in April 2020 related to COVID-19. Development of a document displaying Nursing workforce data continues. This will address characteristics of the nursing population, including new graduates and licensees; related to numbers, gender, age, geographic location, and type of licensure.

Accreditation

Minnesota Rules 6301.2350 requires accreditation of all pre-licensure nursing programs. The education staff completed initial accreditation visits to all pre-licensure nursing programs. All programs have been granted accreditation except for an associate degree program that was newly granted initial approval by the Board in August 2020. In 2020, education staff participated in virtual continuing accreditation and focus visits.

Automated Licensure Information Management Systems (ALIMS)

Education staff are participating in the development of ALIMS with the goal of providing increased electronic submission of reports, documents, and maintaining an improved database system of all nursing programs.

References

- American Academy of Nurse Practitioners Certification Board. (2019). 2018 Pass Rate Report. Retrieved from: <https://www.aanpcert.org/certs/pass>.
- American Academy of Nurse Practitioners Certification Board. (2020). 2019 Pass Rate Report. Retrieved from: <https://www.aanpcert.org/resource/documents/AANPCB2019PassRateReport.pdf>.
- American Association of Colleges of Nursing. (2014). American Association of Colleges of Nursing, 2014 Annual Report. Retrieved from: <http://www.aacn.nche.edu/aacn-publications/annual-reports/AnnualReport14.pdf>
- American Association of Colleges of Nursing. (March 15, 2015). American Association of Colleges of Nursing, Press Release. Retrieved from: <http://www.aacn.nche.edu/faculty/news/2015/enrollment>
- American Association of Colleges of Nursing. (2015). American Association of Colleges of Nursing, 2015 Annual Report. Retrieved from: <http://www.aacn.nche.edu/publications/AnnualReport15.pdf>
- American Association of Colleges of Nursing. (2018). Nursing Fact Sheet. Retrieved from: <https://www.aacnnursing.org/News-Information/Fact-Sheets/Nursing-Fact-Sheet>
- American Association of Colleges of Nursing. (2019). AACN Research Brief. Retrieved from: <https://www.aacnnursing.org/Portals/42/News/Surveys-Data/Research-Brief-10-19.pdf>
- American Association of Colleges of Nursing. (2019). Degree Completion Programs for Registered Nurses: RN to Master's Degree and RN to Baccalaureate Programs. Updated April 2019. Retrieved from: <https://www.aacnnursing.org/Portals/42/NEWS/Factsheets/Degree-Completion-Factsheet.pdf>.
- American Association of Critical Care Nurses (2019). Certification Exam Statistics and Cut Scores. Retrieved from: <https://www.aacn.org/certification/preparation-tools-and-handbooks/exam-stats-and-scores>
- American Midwifery Certification Board (2019). 2018 Annual Report. Retrieved from: https://www.amcbmidwife.org/docs/default-source/annual-reports/2018-amcb-annual-report.pdf?sfvrsn=6aaa6b9c_2
- American Midwifery Certification Board (2020). 2019 Annual Report. Retrieved from: https://www.amcbmidwife.org/docs/default-source/annual-reports/2019-amcb-annual-report.pdf?sfvrsn=47e366e3_2
- American Nurses Credentialing Center (2019). 2018 ANCC Certification Data. Retrieved from: <https://www.nursingworld.org/~499e5e/globalassets/docs/ancc/2017-certification-data-for-website.pdf>.

- American Nurses Credentialing Center (2020). 2019 ANCC Certification Data. Retrieved from: <https://www.nursingworld.org/~49a2df/globalassets/docs/ancc/ancc-cert-data-website.pdf>
- Future of Nursing: Campaign for Action (2020). Campaign for Action Dashboard. Updated September 9, 2020. Retrieved from: https://campaignforaction.org/wp-content/uploads/2020/01/Dashboard_Indicator_Updates_Fall2020.pdf
- Future of Nursing: Campaign for Action (2020). Number of RN-to-BSN Program Graduates Annually. Updated September 25, 2020. Retrieved from: <https://campaignforaction.org/resource/number-rn%e2%80%90to%e2%80%90bsn-graduates-annually/>
- Future of Nursing: Campaign for Action (2019). Transforming Nursing Education. Updated July 9, 2019. <https://campaignforaction.org/issue/transforming-nursing-education/>.
- Institute of Medicine. (2011). *The Future of Nursing: Leading Change, Advancing Health*. Washington, DC: The National Academies Press.
- Li, Y., Turinetti, M., Fang, D. (2018). *Special Survey on Vacant Faculty Positions for Academic Year 2018-2019*. Retrieved from the American Association of Colleges of Nursing, AACN website: <https://www.aacnnursing.org/Portals/42/News/Surveys-Data/Vacancy18.pdf>
- Minnesota Department of Employment and Economic Development (DEED) (2019). Regional Planning Areas. Retrieved from: <https://apps.deed.state.mn.us/assets/lmi/areamap/plan.shtml#plnw>.
- Minnesota Department of Health, Office of Rural Health and Primary Care. Personal Correspondence, February 12, 2019. Data request regarding licensed practical nurse workforce survey, registered nurse workforce and advanced practice nurse workforce survey, 2017- 2018.
- Minnesota Department of Health, Office of Rural Health and Primary Care. Personal Correspondence, February 13, 2020. Data request regarding licensed practical nurse workforce survey, registered nurse workforce and advanced practice nurse workforce survey, 2018- 2019.
- Minnesota Department of Health, Office of Rural Health and Primary Care. Personal Correspondence, February 18, 2021. Data request regarding licensed practical nurse workforce survey, registered nurse workforce and advanced practice nurse workforce survey, 2019- 2020.
- Minnesota State Demographic Center, Department of Administration (2020). Annual Estimates of Minnesota Counties' Population, 2019. Retrieved from: <https://mn.gov/admin/demography/data-by-topic/population-data/our-estimates/>
- National Board of Certification and Recertification for Nurse Anesthetists (2019). Initial Certification. Retrieved from: <https://www.nbcrna.com/initial-certification>
- National Certification Corporation (2020). Certification Exam Results 2016-2020. Retrieved from: <https://www.nccwebsite.org/certification-exams/other-helpful-information/statistics>

National Council of State Boards of Nursing (2019). Journal of Nursing Regulation: Advanced Nursing Excellence for Public Protection (Volume 9, Issue 4).

National Council of State Boards of Nursing. Personal Correspondence, January 3, 2019. Data request regarding 2017 APRN certification results

National Council of State Boards of Nursing. Personal Correspondence, February 5, 2019. Data request regarding 2018 NCLEX-PN[®] and NCLEX-RN[®] demographics of first-time candidates.

National Council of State Boards of Nursing. Personal Correspondence, February 20, 2020. Data request regarding 2019 NCLEX-PN[®] and NCLEX-RN[®] demographics of first-time candidates.

National Council of State Boards of Nursing. Personal Correspondence, February 22, 2021. Data request regarding 2020 NCLEX-PN[®] and NCLEX-RN[®] demographics of first-time candidates.

National Council of State Boards of Nursing. (2012). The 2011 Uniform Licensure Requirements. Retrieved from: https://www.ncsbn.org/12_ULR_table_adopted.pdf

National Council of State Boards of Nursing. (2015). Resource Manual on the Licensure of Foreign-educated Nurses.

National Council of State Boards of Nursing. (2014) White Paper: Nursing Regulation Recommendations for Distance Education in Prelicensure Nursing Programs. https://www.ncsbn.org/15_DLC_White_Paper.pdf

Pediatric Nursing Certification Board (2019). 2018 Exam Statistics. Retrieved from: https://www.pncb.org/sites/default/files/resources/PNCB_Exam_Statistics.pdf

Pediatric Nursing Certification Board (2020). 2019 Exam Statistics. Retrieved from: https://pncb.org/sites/default/files/resources/PNCB_Exam_Statistics_2019.pdf

U.S. Census Bureau. (2019). Retrieved from <https://www.census.gov/data/tables/time-series/demo/popest/2010s-state-detail.html>.



Appendix A1

Minnesota Practical & Professional Licensure-Preparing Nursing Programs

BOARD OF NURSING

SCHOOL	LOCATION	PRACTICAL	PROFESSIONAL	
			ASSOCIATE DEGREE (available tracks)	BACHELOR/HIGHER DEGREE (available tracks)
Alexandria Tech/Comm College	Alexandria	X	LPN	
Anoka-Ramsey Comm College	Coon Rapids/Cambridge		X	
Anoka Technical College	Anoka	X		
Bemidji State University	Bemidji			X, RN-BSN*
Bethany Lutheran College	Mankato			X
Bethel University	St Paul			X, RN-BSN*
Central Lakes College	Brainerd/Staples	X	X	
Century College	White Bear Lake		X	
College of St Benedict/St John's University	St Joseph			X
College St Scholastica	Duluth			X, PB, RN-BSN*
Concordia College - Moorhead	Moorhead			X, PB
Concordia University -St. Paul	St. Paul			X, RN to BSN*
Crown College	St Bonifacius			X, RN-BSN*
Dakota Co Technical College	Rosemount	X		
Fond du Lac Tribal College	Cloquet		X	
Gustavus Adolphus College	St Peter			X
Hennepin Technical College	Eden Prairie/Brooklyn Park	X		
Herzing University	Crystal			X
Hibbing Community College	Hibbing		X	
Inver Hills Community College	Inver Grove Heights		X	
Itasca Community College	Grand Rapids, International Falls	X		
Lake Superior College	Duluth	X	X	
Mesabi Range Comm/Tech College	Eveleth	X		
Metropolitan State University	St Paul			X, RN-BSN*
Metropolitan State University	St Paul			Master of Nursing
Minneapolis Comm/Tech College	Minneapolis		X	
MN State College - Southeast	Winona/Red Wing	X	X	
MN State Comm/Tech College	Detroit Lakes, Fergus Falls, Moorhead, Wadena	X	X	

Key
 X: generic program, grants advanced standing to LPNs
 LPN: mobility program for LPNs only

PB: accepts those who obtained a baccalaureate in another field
 LPN-BSN: offers professional nursing track for LPNs
 Master of Nursing: a licensure preparing nursing program taught at the master's level
 RN-BSN: offers RN to BSN program

*Board does not approve non-licensure preparing nursing programs; not an exhaustive list of RN-to-BSN programs offered in Minnesota

SCHOOL	LOCATION	PRACTICAL	PROFESSIONAL	
			ASSOCIATE DEGREE (available tracks)	BACHELOR/HIGHER DEGREE (available tracks)
MN State University, Mankato	Mankato			X, RN-BSN*
MN State University, Moorhead	Moorhead			X, RN-BSN*
MN West Comm/Tech College	Worthington, Pipestone	X	LPN	
Normandale Community College	Bloomington		X	
North Hennepin Community College	Brooklyn Park		X	
Northland Comm/Tech College	East Grand Forks, Thief River Falls	X	LPN	
Northwest Technical College - Bemidji	Bemidji	X	X	
Pine Technical College	Pine City	X	LPN	
Rasmussen University	Bloomington, Mankato			X, RN-BSN*
Rasmussen University – Bloomington	Bloomington		X	
Rasmussen University – Brooklyn Park/ Maple Grove	Brooklyn Park/Maple Grove	X		
Rasmussen University – Eagan	Eagan	X		
Rasmussen University – Mankato	Mankato	X	X	
Rasmussen University – Moorhead	Moorhead	X	X	
Rasmussen University – St Cloud	St Cloud	X	X	
Ridgewater College	Willmar/Hutchinson	X	X	
Riverland Community College	Austin	X	X	
Rochester Comm/Tech College	Rochester	X	X	
Saint Paul College	St Paul	X		
South Central College	North Mankato/Faribault	X	X	
St Catherine University	St Paul			X, RN-BSN*
St Catherine University	St Paul			Master of Nursing
St Cloud State University	St Cloud			X, RN-BSN
St Cloud Tech/Comm College	St Cloud	X	LPN	
St Olaf College	Northfield			X
University of Minnesota	Minneapolis/Rochester			X
University of Minnesota	Minneapolis			Master of Nursing
University of Northwestern- St. Paul	St. Paul			X
Winona State University	Winona/Rochester			X, RN-BSN*

Key

X: generic program, grants advanced standing to LPNs

LPN: mobility program for LPNs only

PB: accepts those who obtained a baccalaureate in another field

LPN-BSN: offers professional nursing track for LPNs

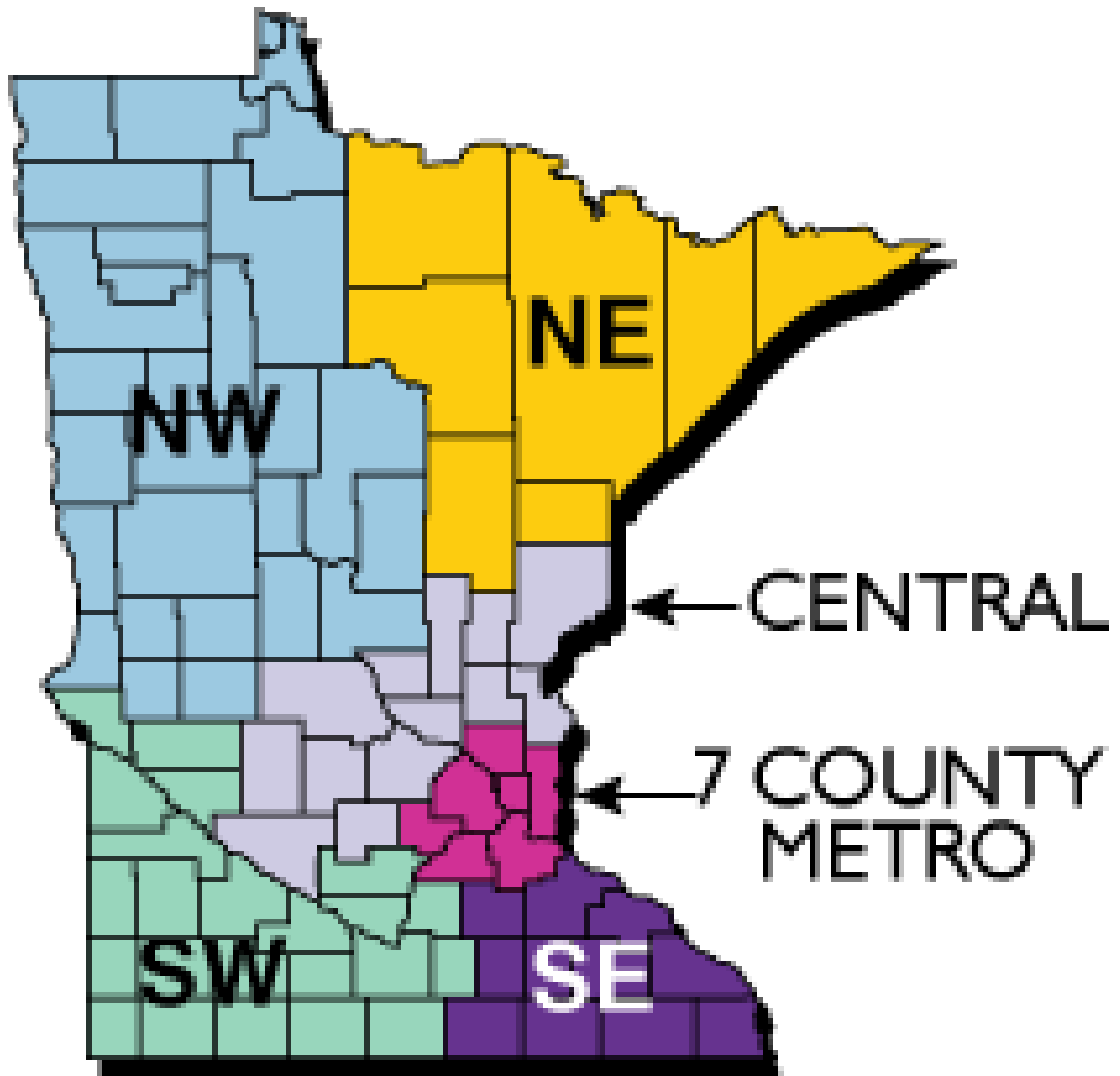
Master of Nursing: a licensure preparing nursing program taught at the master's level

RN-BSN: offers RN to BSN program

*Board does not approve non-licensure preparing nursing programs; not an exhaustive list of RN-to-BSN programs offered in Minnesota

Appendix A2

Minnesota Department of Employment and Economic Development (DEED) Regional Map





Faculty Teaching in Practical and Professional Minnesota Nursing Programs

Table 1. Faculty Teaching in Minnesota Nursing Programs.

Faculty teaching in:	Number of faculty				
	2016	2017	2018	2019	2020
All Nursing Programs	1392 (100%)	1494 (100%)	1278 (100%)	1248 (100%)	1329 (100%)
Associate Degree	525 (37.7%)	560 (37.5%)	455 (35.6%)	473 (37.9%)	498 (37.5%)
Baccalaureate	466 (33.5%)	572 (38.3)	538 (42.1%)	503 (40.3%)	542 (40.8%)
Masters Entry	55 (3.9%)	76 (5.1%)	50 (3.9%)	50 (4%)	41 (3.2%)
Practical Nursing	346 (24.9%)	286 (19.1%)	235 (18.4%)	222 (17.8%)	222 (18.7%)

Table 2. Unduplicated Practical and Professional Programs Faculty Count: Faculty Credentials.

Faculty Credential (N) designates a major in Nursing	Highest degree earned					Highest nursing degree earned				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Post Doctorate Certificate	-	-	-	1	1	-	-	-	-	-
APRN Post Master's	-	-	6	6	9	-	-	8	6	8
PhD (N)	83	92	82	73	77	83	92	81	74	78
Doctorate (N)	99	122	110	112	159	99	122	109	112	159
Doctorate	60	54	47	40	31	-	-	-	-	-
Masters (N)	649	670	600	570	559	703	716	639	600	589
Masters	14	27	23	29	20	-	-	-	-	-
Baccalaureate (N)	193	205	218	223	207	212	237	244	253	229
Baccalaureate	-	-	-	-	-	-	-	-	-	-
Associate Degree (N)	-	-	-	-	-	-	1	-	-	-
Total number of faculty	1098*	1170*	1086*	1054*	1063	1097*	1168*	1081*	1045*	1063

* Total number of faculty is adjusted to reflect faculty teaching non-nursing content who did not hold a nursing degree

Table 3. Faculty Employment Status.

	Faculty teaching:				Total number of faculty
	Full time in program	Part time in program	Full time at college	Part time at college	
2016	685 (49.2%)	707 (50.8%)	-	-	1392 (100%)
2017	711 (47.6%)	783 (52.4%)	-	-	1494 (100%)
2018	510 (39.9%)	768 (60.1%)	-	-	1278 (100%)
2019*	412 (33%)	836 (67%)	667 (53.5%)	581 (46.6%)	1248 (100%)
2020*	402 (30.3%)	927 (69.8%)	748 (56.3%)	581 (43.7%)	1329 (100%)

*Beginning with the 2019 annual survey, programs identified faculty's FT/PT status in the program as well as at the college, as programs within the same college or university may share faculty.

Table 4. Unduplicated Count: Faculty Employment Status.

	Faculty teaching:				Total number of faculty
	Full time in program	Part time in program	Full time at college	Part time at college	
2016	557 (50.7%)	541 (49.3%)	-	-	1098 (100%)
2017	625 (53.4%)	545 (46.6%)	-	-	1170 (100%)
2018	486 (44.8%)	600 (55.2%)	-	-	1086 (100%)
2019*	398 (37.8%)	656 (62.2%)	561 (53.2%)	493 (46.8%)	1054 (100%)
2020*	395 (37.2%)	668 (62.8%)	597 (56.2%)	466* (43.8%)	1063 (100%)

*Beginning with the 2019 annual survey, programs identified faculty's FT/PT status in the program as well as at the college, as programs within the same college or university may share faculty.



Number of Faculty in Minnesota Practical and Professional Nursing Programs

Program Name	2016	2017	2018	2019	2020
Associate Degree Professional Nursing Programs	525	560	455	473	498
Alexandria Technical and Community College	5	4	4	4	5
Anoka-Ramsey Community College	30	29	27	33	31
Central Lakes College	12	8	10	11	12
Century Community College	19	22	18	18	20
Fond du Lac Tribal and Community College	6	7	5	6	7
Hibbing Community College	14	13	14	14	16
Inver Hills Community College	19	20	17	19	20
Lake Superior College	24	22	21	23	20
Minneapolis Community and Technical College	17	21	21	17	19
Minnesota State College – Southeast**	11	11	7		
Minnesota State College – Southeast*					1
Minnesota State Community and Technical College	21	20	13	11	11
Minnesota West Community and Technical College	19	16	13	12	10
Normandale Community College	18	21	22	22	22
North Hennepin Community College	29	26	21	19	17
Northland Community and Technical College	8	7	9	7	7
Northwest Technical College-Bemidji	8	7	7	8	9
Pine Technical and Community College	4	4	4	5	5
Rasmussen College – Blaine**	34	42	27	27	
Rasmussen University - Bloomington	49	92	55	63	90
Rasmussen University - Mankato	20	24	26	30	31
Rasmussen University - Moorhead	32	26	31	23	37
Rasmussen University – St. Cloud	33	38	19	26	31
Ridgewater College	19	18	17	17	18
Riverland Community College	7	6	4	6	6
Rochester Community and Technical College	24	28	26	29	30
South Central College	14	11	12	18	18
St Catherine University**	26	10			
St Cloud Technical and Community College	5	7	5	5	5
Baccalaureate Nursing Programs	466	572	507	503	542
Bemidji State University	18	26	18	13	13
Bethany Lutheran College	1	2	5	6	5
Bethel University	38	33	30	30	44
College of St. Benedict/St. John's University	17	19	21	22	19
College of St. Scholastica	59	49	46	37	38
Concordia College Moorhead	8	7	7	9	12
Concordia University St. Paul***		5	10	9	7
Crown College	4	6	4	6	5
Globe University/Minnesota School of Business**	12				
Gustavus Adolphus College	15	13	16	14	16
Herzing University	9	7	12	23	22

Program Name	2016	2017	2018	2019	2020
Metropolitan State University	48	84	47	42	37
Minnesota State University, Mankato	44	50	48	42	44
Minnesota State University, Moorhead*					5
National American University**	15				
Presentation College, Fairmont Campus**	6	5	6	8	
Rasmussen University Baccalaureate Program	1	30	50	43	72
St Catherine University	35	58	52	56	62
St Cloud State University	27	26	30	34	27
St. Olaf College	5	7	5	5	5
University of Minnesota	35	36	29	32	30
University of Northwestern – St Paul	24	33	23	41	34
Winona State University	45	76	79	31	45
Entry Level Master of Nursing Programs	55	76	50	50	41
Metropolitan State University	25	29	14	18	12
St. Catherine University	17	26	23	22	20
University of Minnesota	13	21	13	10	9
Practical Nursing Programs	346	286	235	222	248
Alexandria Technical and Community College	8	7	7	7	8
Anoka Technical College	10	8	9	7	8
Central Lakes College	6	7	7	5	4
Dakota County Technical College	6	6	6	7	4
Fond du Lac Tribal and Community College**	6	4	3	2	
Hennepin Technical College	10	10	8	6	11
Itasca Community College	6	6	6	5	5
Lake Superior College	13	10	7	10	8
Mesabi Range Community and Technical College	4	4	4	4	4
Minnesota State College-Southeast Technical	19	13	10	8	8
Minnesota State Community and Technical College	9	9	10	6	8
Minnesota West Community and Technical College	16	12	12	14	10
Northland Community and Technical College	18	15	16	12	13
Northwest Technical College-Bemidji	4	3	4	3	4
Pine Technical and Community College	6	5	6	6	7
Rasmussen University – Brooklyn Park/Maple Grove	24	25	14	9	21
Rasmussen University - Eagan	34	26	14	12	19
Rasmussen University - Mankato	22	22	15	10	15
Rasmussen University - Moorhead	33	21	17	17	15
Rasmussen University – St. Cloud	33	16	8	10	15
Ridgewater College	10	10	9	12	13
Riverland Community College	5	4	5	8	8
Rochester Community and Technical College	7	6	7	8	8
Saint Paul College	13	13	16	14	11
South Central College	14	12	4	10	9
St Cloud Technical and Community College	11	12	11	10	12
Total	1,392	1,494	1,278	1,248	1,329

* new program

**closed program

***Concordia University St. Paul acquired Globe University Baccalaureate Nursing Program



Appendix D1

Number of Minnesota Program Graduates
Preparing for Practical Nurse Licensure for
Fiscal Years 2015-2020

Practical Nursing Program	2015	2016	2017	2018	2019	2020
Alexandria Technical and Community College	50	51	52	48	47	54
Anoka Technical College	94	57	64	74	61	65
Central Lakes College	79	54	24	24	35	22
Dakota County Technical College	44	48	43	61	60	55
Fond du Lac Tribal & Community College*	32	22	15	10	9	
Hennepin Technical College	102	118	64	63	39	41
Itasca Community College	47	25	25	21	26	25
Lake Superior College	19	25	19	24	23	31
Mesabi Range Community & Technical College	21	33	29	33	28	27
Minneapolis Community & Technical College*	41					
MN State College-SE Technical	57	23	17	42	42	47
MN State Community & Technical College	82	117	50	56	58	44
MN West Community & Technical College	90	45	50	37	48	46
Northland Community & Technical College	102	123	166	122	125	104
Northwest Technical College, Bemidji	40	8	17	12	16	10
Pine Technical College	60	41	48	33	37	38
Rasmussen University – Brooklyn Park/Maple Grove	51	55	48	47	48	38
Rasmussen University - Eagan	60	45	55	55	48	42
Rasmussen University - Mankato	38	37	36	26	28	33
Rasmussen University - Moorhead	23	19	32	29	53	40
Rasmussen University – St. Cloud	21	25	29	34	30	22
Ridgewater College	20	21	24	24	23	25
Riverland Community College	29	23	18	21	28	43
Rochester Community & Technical College	31	49	30	34	26	39
Saint Paul College	50	59	113	106	61	64
South Central College	11	20	11	11	2	19
St Cloud Technical & Community College	110	117	101	99	100	93
Total	1,404	1,260	1,180	1,146	1,101	1,067

* Closed Program



Number of Minnesota Associate Degree
Program Graduates Preparing for
Registered Nurse Licensure for Fiscal Years 2015-2020

Associate Degree Nursing Program	2015	2016	2017	2018	2019	2020
Alexandria Technical and Community College	32	26	19	29	25	31
Anoka-Ramsey Community College	199	198	190	163	178	192
Central Lakes College	112	75	73	76	61	67
Century Community College	92	111	129	102	126	118
Fond du Lac Tribal & Community College	28	35	22	38	23	22
Hibbing Community College	77	64	65	61	75	68
Inver Hills Community College	71	86	84	83	85	80
Lake Superior College	103	88	112	122	112	102
Minneapolis Community & Technical College	142	103	77	81	67	85
MN State College-Southeast Technical*	77	50	77	66		
MN State Community & Technical College	123	103	95	105	80	68
MN West Community & Technical College	65	73	69	59	69	73
Normandale Community College	68	108	74	87	79	81
North Hennepin Community College	115	129	135	117	93	93
Northland Community & Technical College	83	76	82	75	67	78
Northwest Technical College – Bemidji	78	81	53	55	44	48
Pine Technical College	26	26	24	27	22	40
Rasmussen University – Blaine*	57	128	138	106	201	
Rasmussen University - Bloomington	72	168	201	225	292	381
Rasmussen University - Mankato	58	98	94	97	86	105
Rasmussen University - Moorhead	27	51	49	59	95	138
Rasmussen University – St. Cloud	56	98	108	99	129	112
Ridgewater College	84	73	79	75	89	43
Riverland Community College	66	34	35	35	0	36
Rochester Community & Technical College	99	97	101	113	121	114
South Central College	54	61	37	40	39	62
St Catherine University, Minneapolis*	93	99	84			
St Cloud Technical & Community College	45	50	41	50	50	49
Total	2,202	2,389	2,347	2,245	2,308	2,286
Grand Total (All Minnesota program graduates preparing for registered nurse licensure)	3,329	3,609	3,532	3,487	3,651	3,743

* Closed Program



Appendix D3

Number of Minnesota Baccalaureate and
Higher Degree Program Graduates Preparing for
Registered Nurse Licensure for Fiscal Years 2015-2020

Baccalaureate & Higher Degree Nursing Program	2015	2016	2017	2018	2019	2020
Bemidji State University	46	42	40	62	48	49
Bethany Lutheran College					4	3
Bethel University	76	82	84	77	65	68
College of St. Benedict/St. John's University	48	49	52	51	50	59
College of St. Scholastica	161	169	164	171	185	164
Concordia College	41	35	38	33	38	37
Concordia University				4	13	31
Crown College	18	14	20	20	12	16
Globe College/Minnesota School of Business*	39	42				
Gustavus Adolphus College **		28	30	30	28	32
Gustavus Adolphus and St. Olaf Colleges**	45					
Herzing University	20	14	17	18	17	63
Metropolitan State University, Baccalaureate	0	0	26	31	25	31
Metropolitan State University, Master	2	24	25	30	27	21
Minnesota State University, Mankato	69	81	78	76	82	74
National American University*	25	34				
Presentation College*	17	22	10	11	11	
Rasmussen University			26	32	127	148
St Catherine University, Baccalaureate	91	80	57	70	86	89
St. Catherine University, Master		32	37	43	44	54
St Cloud State University	73	76	75	74	71	84
St. Olaf College**		23	24	18	20	24
University of Minnesota, Baccalaureate	136	138	139	126	123	121
University of Minnesota, Master	63	63	63	62	63	62
University of Northwestern – St Paul	20	26	34	45	62	65
Winona State University	137	146	147	158	142	162
Total	1,127	1,220	1,185	1,242	1,343	1,457
Grand Total (All Minnesota program graduates preparing for registered nurse licensure.)	3,329	3,609	3,532	3,487	3,651	3,743

*Closed program

**Gustavus Adolphus and St. Olaf College separated into individual programs



Number of Advanced Standing Credits
 Granted to Licensed Practical Nurses by
 Professional Associate Degree Nursing Programs in FY 2020

Associate Degree Nursing Program	# of LPN admitted	Total # of nursing credits required for graduation	nursing credit granted per admitted LPN	
			# of LPN	#of nursing credit granted
Alexandria Technical & Community College	31	26	31	8
Anoka-Ramsey Community College	9	35	9	5
Central Lakes College	23	25	23	8
Century Community College	4	35	4	5
Fond du Lac Tribal & Community College	13	24	13	8
Hibbing Community College	41	64	41	11
Inver Hills Community College	11	35	11	5
Lake Superior College	30	25	30	8
Minneapolis Community & Technical College	8	64	8	5
Minnesota State Community & Technical College	46	34	46	11
Minnesota West Community & Technical College	96	24	96	10
Normandale Community College	4	70	4	5
North Hennepin Community College	6	35	6	5
Northland Community & Technical College	87	34	87	13
Northwest Technical College-Bemidji	34	64	34	6
Pine Technical College	35	28	35	6
Rasmussen University - Bloomington**	254	60	254	12
Rasmussen University - Mankato**	34	60	34	12
Rasmussen University – Moorhead**	69	60	69	12
Rasmussen University – St. Cloud**	50	60	50	12
Ridgewater College	3	35	3	5
Riverland Community College	8	64	8	5
Rochester Community & Technical College	10	34	10	6
South Central College	6	64	6	4
St. Cloud Technical & Community College	50	64	50	9
Total	962		962	

** Quarter credits



Self-Report of Ethnicity for
First-time Candidates from Minnesota Approved
Nursing Programs for 2015-2020

Ethnicity	2015		2016		2017		2018		2019		2020	
	PN	RN	PN	RN	PN	RN	PN	RN	PN	RN	PN	RN
No Answer	5.2% 72	4.7% 161	4.2% 49	4.4% 161	5.4% 63	5.1% 183	4.9% 55	4.4% 160	5% 55	6.3% 232	3.9% 41	4.7% 177
African American	9.6% 133	5.3% 180	13% 153	5.7% 205	12% 141	5.2% 186	14.6% 162	7.1% 257	14.4% 158	9.8% 363	17.9% 186	10.4% 394
Native American	0.9% 13	0.6% 20	1% 12	0.7% 26	1.3% 15	0.8% 28	0.5% 6	0.6% 21	1.1% 12	0.7% 25	1.2% 12	0.5% 20
Asian Indian	0.2% 3	0.3% 9	0.2% 2	0.3% 9	0.2% 2	0.3% 9	0.2% 2	0.4% 14	0.1% 1	0.2% 6	0.1% 1	0.3% 10
Asian Other	2.7% 38	3.4% 114	3.6% 42	3.3% 119	3.3% 39	3.9% 139	4.2% 47	4.2% 151	2.8% 31	4.1% 152	2.6% 27	4.5% 170
Hispanic	2.4% 33	1.8% 60	2% 23	2.3% 84	3% 36	2.1% 75	3.1% 34	1.9% 72	3.2% 35	2.4% 89	4.2% 43	3.2% 120
Pacific Islander	0.1% 2	0.2% 5	0.1% 1	0.1% 4	0% 0	0.1% 4	0.1% 1	0.1% 2	0.2% 2	0.2% 7	0% 0	0.3% 10
White	76.3% 1,055	80.9% 2,752	72.8% 857	80.6% 2,923	71.2% 832	79.7% 2,839	67.9% 754	78.3% 2,828	68.9% 759	73.4% 2,710	65.4% 678	72.2% 2,729
Other	2.5% 34	3.0% 102	3.2% 38	2.7% 97	3.4% 40	2.8% 98	4.5% 50	2.9% 107	4.4% 48	2.9% 107	4.7% 49	4.0% 152
Total Diversity	18.5% 256	14.4% 490	23% 271	15% 544	23% 273	15.1% 539	27.2% 302	17.3% 624	26.1% 287	20.3% 749	30.7% 318	23.2% 876
Total Candidates	1,383	3,403	1,177	3,628	1,168	3,561	1,111	3,612	1,101	3,691	1,037	3,782

Source: National Council of State Boards of Nursing (NCSBN)



BOARD OF NURSING

Appendix G1

Number and First-time Success Rate of
NCLEX-PN® Candidates Educated in
Minnesota Practical Nursing Programs 2017 – 2020

Minnesota Practical Nursing Programs	2017		2018		2019		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alexandria Technical & Community College	43	93.02	44	88.64	48	91.67	54	94.44
Anoka Technical College	70	91.43	74	85.14	61	77.05	63	88.89
Central Lakes College	23	91.30	25	76.00	31	87.10	21	80.95
Dakota County Technical College	44	79.55	61	88.52	60	86.67	55	94.55
Fond du Lac Tribal & Community College*	14	50.00	9	66.67	7	85.71	3	33.33
Hennepin Technical College	84	78.57	61	70.49	38	89.47	39	89.74
Itasca Community College	24	83.33	22	100	26	100	26	96.15
Lake Superior College	19	84.21	26	92.31	23	95.65	26	76.92
Mesabi Range Community & Technical College	27	70.37	29	86.21	27	74.07	24	87.50
Minneapolis Community & Technical College*	1	100	-	-	-	-	-	-
Minnesota State College-Southeast	18	88.89	32	87.50	41	97.56	45	68.89
Minnesota State Community & Technical College	49	95.92	56	98.21	57	94.74	43	93.02
MN West Community & Technical College	51	98.04	42	92.86	49	97.96	46	89.13
Northland Community & Technical College	169	88.17	118	92.37	126	89.68	107	91.59
Northwest Technical College, Bemidji	15	60.00	11	100	18	77.78	10	90.00
Pine Technical & Community College	48	91.67	33	93.94	38	100	36	97.22
Rasmussen University – Brooklyn Park/Maple Grove	45	86.67	52	75.00	46	82.61	30	60.00
Rasmussen University – Eagan	49	89.80	46	91.30	51	88.24	36	80.56
Rasmussen University – Mankato	32	90.63	29	79.31	36	97.22	26	88.46
Rasmussen University – Moorhead	27	85.19	30	86.67	44	84.09	39	76.92
Rasmussen University – St. Cloud	35	100	27	100	27	88.89	20	85.00
Ridgewater College	24	91.67	25	88.00	22	86.36	25	80.00
Riverland Community College	18	83.33	21	90.48	28	100	43	79.07
Rochester Community & Technical College	31	96.77	34	100	25	96.00	39	97.44
Saint Paul College	102	64.71	95	52.63	70	58.57	69	66.67
South Central College	10	90.00	13	92.31	3	100	17	88.24
St. Cloud Technical & Community College	96	94.79	96	90.63	99	95.96	95	85.26
All MN PN Program Candidates	1,168	86.22	1,111	85.42	1,101	88.47	1,037	85.15
All US Jurisdiction PN Candidates	46,943	83.85	47,020	85.93	48,228	85.63	45,656	83.09

* Closed Program



BOARD OF NURSING

Appendix G2

Number and First-time Success Rate of
NCLEX-RN® Candidates Educated in
Minnesota Associate Degree Nursing Programs 2017 – 2020

Minnesota Associate Degree Nursing Programs	2017		2018		2019		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alexandria Technical & Community College	19	94.74	29	96.55	25	88.00	31	80.65
Anoka-Ramsey Community College	188	75.53	164	79.27	177	82.49	163	85.28
Central Lakes College	75	80.00	74	79.73	64	90.63	65	92.31
Century Community College	115	93.04	101	91.09	128	87.50	118	79.66
Fond du Lac Tribal & Community College	22	36.36	34	82.35	25	68.00	23	47.83
Hibbing Community College	65	92.31	62	75.81	74	90.54	68	82.35
Inver Hills Community College	82	93.90	80	93.75	85	89.41	81	86.42
Lake Superior College	113	95.58	122	86.07	112	84.82	103	92.23
Minneapolis Community & Technical College	80	82.50	80	75.00	69	89.86	86	90.70
MN State College-Southeast*	78	67.95	58	84.48	39	64.10	-	-
MN State Community & Technical College	123	72.36	106	84.91	80	91.25	68	91.18
MN West Community & Technical College	74	79.73	68	83.82	68	77.94	76	69.74
Normandale Community College	76	94.74	85	77.65	79	87.34	80	92.50
North Hennepin Community College	135	85.93	98	93.88	93	92.47	48	87.50
Northland Community & Technical College	80	73.75	74	85.14	65	89.23	78	92.31
Northwest Technical College – Bemidji	55	80.00	57	91.23	44	88.64	48	83.33
Pine Technical & Community College	24	91.67	27	92.59	22	90.91	38	78.95
Rasmussen University – Blaine*	116	71.55	138	77.54	181	66.30	23	21.74
Rasmussen University – Bloomington	192	79.69	246	76.02	285	67.02	412	64.56
Rasmussen University – Mankato	83	91.57	101	81.19	89	91.01	101	88.12
Rasmussen University – Moorhead	43	90.70	64	79.69	103	84.47	127	74.02
Rasmussen University – St. Cloud	111	80.18	110	83.64	115	86.09	117	82.91
Ridgewater College	84	83.33	71	88.73	88	90.91	83	77.11
Riverland Community College	32	75.00	35	71.43	6	83.33	33	84.85
Rochester Community & Technical College	101	85.15	112	84.82	123	90.24	113	97.35
South Central College	34	97.06	37	72.97	40	90.00	51	76.47
St. Catherine University, Minneapolis*	85	89.41	36	75.00	1	100	-	-
St. Cloud Technical & Community College	44	88.64	51	84.31	50	80.00	50	82.00
MN Program Associate Degree Candidates	2,329	82.78	2,320	82.63	2,330	82.79	2,284	80.30
All US Jurisdiction Associate Degree Candidates	79,498	84.24	81,941	85.13	84,776	85.18	86,508	82.81
All MN RN Program Candidates	3,560	84.72	3,610	85.32	3,681	85.09	3,782	83.81
All US Jurisdiction RN Candidates**	157,732	87.11	161,129	88.30	171,372	88.18	177,393	86.58

* Closed Program

**Includes diploma, associate degree, baccalaureate & higher degree candidates



Number and First-time Success Rate of
NCLEX-RN® Candidates Educated in
Minnesota Baccalaureate and Higher Degree Nursing Programs 2017 – 2020

Minnesota Baccalaureate and Higher Degree Nursing Programs	2017		2018		2019		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Bemidji State University	42	85.71	58	70.69	48	72.92	50	94.00
Bethany Lutheran College	-	-	-	-	4	100	3	100
Bethel University	83	84.34	78	94.87	66	93.94	68	97.06
College of St. Benedict/St. John’s University	52	82.69	51	90.20	50	90.00	60	90.00
College of St. Scholastica	165	81.21	188	84.57	177	83.05	161	89.44
Concordia College	38	92.11	33	93.94	39	89.74	38	97.37
Concordia University – St. Paul	-	-	4	100	12	100	46	69.57
Crown College	20	95.00	21	85.71	12	83.33	16	75.00
Globe University/MN School of Business*	27	88.89	-	-	-	-	-	-
Gustavus Adolphus	30	83.33	30	90.00	29	89.66	32	62.50
Herzing University	18	100	15	100	32	68.75	69	82.61
Metropolitan State University, Baccalaureate	24	87.50	38	86.84	26	76.92	23	69.57
Metropolitan State University, Master	26	84.62	29	96.55	27	100	21	90.48
Minnesota State University, Mankato	78	87.18	75	96.00	81	90.12	74	91.89
National American University*	9	55.56	-	-	-	-	-	-
Presentation College*	12	66.67	12	75.00	14	35.71	9	33.33
Rasmussen University	25	72.00	53	88.68	129	87.60	148	87.16
St. Catherine University, Baccalaureate	59	89.83	70	91.43	85	89.41	89	85.39
St. Catherine University, Master	37	100	43	93.02	44	95.45	53	96.23
St. Cloud State University	74	94.59	74	86.49	70	88.57	84	95.24
St. Olaf College	24	100	18	100	20	80.00	22	90.91
University of Minnesota, Baccalaureate	139	88.49	128	94.53	120	97.50	120	89.17
University of Minnesota, Master	62	96.77	63	90.48	64	95.31	61	95.08
University of Northwestern – St. Paul	39	97.44	52	100	61	98.36	73	94.52
Winona State University	148	92.57	158	91.14	143	93.01	163	95.09
MN Program Baccalaureate and Higher Degree Candidates	1,231	88.38	1,291	90.16	1,351	89.05	1,498	89.21
All US Jurisdiction Baccalaureate and Higher Degree Candidates	75,938	90.04	79,188	91.58	84,300	91.23	88,644	90.28
All MN RN Program Candidates	3,560	84.72	3,610	85.32	3,681	85.09	3,782	83.81
All US Jurisdiction RN Candidates**	157,732	87.11	161,129	88.30	171,372	88.18	177,393	86.58

* Closed Program

** Includes diploma, associate degree, baccalaureate & higher degree candidates

Appendix H

Minnesota Advanced Practice Nursing Programs

SCHOOL	LOCATION	PROGRAM TRACK			
		CNM	CNP	CNS	CRNA
Augsburg University	Minneapolis, Rochester		X (DNP)		
Bethel University	Arden Hills	X (MSN)			
College of St. Scholastica	Duluth, Sartell		X (DNP)		
Mayo Clinic School of Health Sciences	Rochester				X (DNP)
Metropolitan State University	St. Paul		X (DNP)		
Minneapolis School of Anesthesia	St. Louis Park				X (MSN)
Minnesota State University, Mankato	Mankato		X (DNP)		
St. Catherine University	St. Paul		X (DNP)		
Saint Mary's University of Minnesota	Minneapolis				X (MSN)
University of Minnesota	Minneapolis, Rochester	X (DNP)	X (DNP)	X (DNP)	X (DNP)
Walden University	Minneapolis		X (MSN)		
Winona State University	Rochester		X (DNP)	X (DNP)	



Faculty Teaching in Minnesota Advanced Practice Nursing Programs

Table 6. Number of Faculty in Minnesota Advanced Practice Nursing Programs

Program Name	2017		2018		2019		2020	
	FT	PT	FT	PT	FT	PT	FT	PT
Augsburg University Doctor of Nursing Practice Family Nurse Practitioner Program	4	2	8	9	5	14	4	10
Bethel University Nurse Midwifery Program	7	7	6	6	3	7	3	6
College of St. Scholastica Doctor of Nursing Practice Nurse Practitioner Program	9	11	11	16	13	16	14	12
Mayo Clinic College of Medicine School of Health Sciences Doctor of Nurse Anesthesia Practice Program	2	17	2	17	2	16	9	7
Metropolitan State University Doctor of Nursing Practice Program	11	9	10	4	4	16	2	24
Minneapolis School of Anesthesia Nurse Anesthesia Program	4	8	6	1	2	4	3	4
Minnesota State University, Mankato Family Nurse Practitioner Program	11	3	8	1	1	7	2	8
Saint Mary's University of Minnesota Master of Science in Nurse Anesthesia Program	2	17	2	15	2	16	3	12
St. Catherine University Doctor of Nursing Practice Nurse Practitioner Program	5	11	10	8	4	17	11	4
University of Minnesota Doctor of Nursing Practice Programs	68	3	64	6	27	14	28	17
Walden University Master of Science in Nursing Nurse Practitioner Programs	10	125	32	161	18	139	20	234
Winona State University Master's and Doctor of Nursing Practice Nurse Practitioner and Clinical Nurse Specialist Programs	7	9	11	7	10	8	15	5
Total FT/PT Faculty	140 (37.4%)	222 (59.4%)	170 (40.4%)	251 (59.6%)	91 (24.9%)	274 (75.1%)	114 (24.9%)	343 (75.1%)
Total Number of Faculty	374*		421		365		457	

*Twelve faculty were not specified as full-time or part-time

Table 7. Unduplicated Advanced Practice Programs Faculty Count: Faculty Credentials

Faculty Credential (N) designates a major in Nursing	Highest Academic Credential Earned				Highest APRN Credential Earned			
	2017	2018	2019	2020	2017	2018	2019	2020
Baccalaureate	1	0	1	1	0	0	0	0
Baccalaureate (N)	0	1	0	0	0	0	0	0
Masters	0	1	1	0	0	0	0	0
Masters (N)	5	3	1	3	21	0	0	0
Doctorate	64	94	81	79	0	0	0	0
Doctorate (N)	23	135	115	96	12	1	0	1
PHD (N)	73	70	56	68	39	2	2	5
APRN Post Graduate Certificate – Nurse Anesthesia	1	1	0	0	2	4	2	0
Masters in Nurse Anesthesia	31	18	16	10	34	26	21	12
Doctorate in Nurse Anesthesia	5	6	8	19	5	6	8	19
Masters in Nurse Midwifery	6	6	4	2	10	12	12	8
Doctorate in Nursing – Nurse Midwifery	4	0	1	0	4	0	1	0
Masters in Nursing – CNS Role	1	0	0	0	4	4	6	2
Doctorate in Nursing Practice – CNS Role	4	0	1	0	4	2	1	0
Masters in Nursing – NP Role	43	55	23	55	65	170	104	128
Doctorate in Nursing Practice – NP Role	112	24	52	113	111	29	58	113
Post Masters Certificate – NP Role	1	5	3	8	25	37	38	48
Post Masters Certificate – Nurse Midwifery	0	0	0	0	0	0	1	1
Post Masters Certificate – CNS	0	0	0	0	0	0	0	4
Post-Doctoral Certificate – Nursing	0	2	0	1	0	0	0	3
Total Number of Faculty	374	421	363	455	336*	293*	254*	344*

*Not all faculty hold advanced practice credentials



BOARD OF NURSING

Appendix J

Number of Students Admitted and Completing Program by Track 2018-2020

Advanced Practice Program Tracks	2018		2019		2020	
	# students admitted to program track	# students completing program track	# students admitted to program track	# students completing program track	# students admitted to program track	# students completing program track
Augsburg University						
Family Nurse Practitioner	18	16	22	14	14	14
Bethel University						
Nurse Midwifery	21	7	24	7	24	12
College of St. Scholastica						
Adult/Gerontology Acute Care Nurse Practitioner*	-	-	-	-	9	0
Adult/Gerontology Primary Care Nurse Practitioner	9	7	5	4	3	5
Family Nurse Practitioner	34	19	27	14	24	41
Psych/Mental Health Doctor of Nursing Practice	6	5	10	7	11	20
Post Grad Certificates (unspecified)	-	-	-	-	-	-
Mayo Clinic College of Medicine						
Nurse Anesthesia	26	25	26	26	26	26
Post-Graduate Degree (unspecified)	3	3	-	1	1	4
Metropolitan State University						
Family Nurse Practitioner	16	10	18	14	15	17
Minneapolis School of Anesthesia						
Nurse Anesthesia	33	29	33	33	33	33
Minnesota State University, Mankato						
Family Nurse Practitioner (DNP)**	-	-	-	-	18	0
Family Nurse Practitioner (MSN)***	20	14	18	11	0	15
Post Grad Certificates (FNP)	-	-	-	-	0	1
St. Catherine University						
Adult/Gerontology Primary Care Nurse Practitioner	33	28	101	34	27	30
Pediatric Nurse Practitioner	10	11	30	10	12	9
Saint Mary's University						
Nurse Anesthesia	32	32	32	32	32	31
University of Minnesota						
Adult/Gerontology Clinical Nurse Specialist	4	4	5	1	8	4
Adult/Gerontology Primary Care Nurse Practitioner	11	11	15	16	15	11
Family Nurse Practitioner	17	13	18	12	18	15
Nurse Anesthesia	12	12	15	12	15	12
Nurse Midwifery	9	10	11	10	12	11
Pediatric Clinical Nurse Specialist	0	1	3	1	3	0
Pediatric Primary Care Nurse Practitioner	6	11	11	5	7	4
Psych/Mental Health Doctor of Nursing Practice	6	8	15	10	16	4
Women's Health Nurse Practitioner	6	5	9	5	11	7

Walden University						
Adult/Gerontology Acute Care Nurse Practitioner	910	746	1,179	434	861	541
Adult/Gerontology Primary Care Nurse Practitioner	546	456	661	271	421	326
Family Nurse Practitioner	2,002	1,787	2,386	1,541	1,798	1,466
Psych/Mental Health Nurse Practitioner	1,646	1,450	2,499	446	2,586	948
Winona State University						
Adult/Gerontology Acute Care Nurse Practitioner	21	9	23	10	25	15
Adult/Gerontology Clinical Nurse Specialist	10	7	16	6	12	6
Adult/Gerontology Primary Care Nurse Practitioner	-	-	0	3	-	-
Family Nurse Practitioner	19	13	24	14	27	13
Psych/Mental Health Nurse Practitioner	8	5	24	5	18	7
Adult Gerontology Acute Care Nurse Practitioner	931*	755*	1,202*	444*	886*	556*
Adult Gerontology Primary Care Nurse Practitioner	599*	502*	782*	328*	466*	372*
Family Nurse Practitioner	2,126	1,872	2,513	1,620	1,914	1,581
Pediatric Nurse Practitioner	16	22	41	15	19	13
Psych/Mental Health Nurse Practitioner	1,666	1,468	2,548	468	2,631	979
Women's Health Nurse Practitioner	6	5	9	5	11	7
Total Certified Nurse Practitioner	5,344	4,624	7,095	2,880	5,927	3,508
Total Certified Registered Nurse Anesthetist	103	98	106	103	106	102
Total Clinical Nurse Specialists	14	12	24	8	23	10
Total Certified Nurse Midwife	30	17	35	17	36	23
Total Post Grad Certificate (unspecified)	3	3	0	1	1	5
Total	5,494	4,754	7,260	3,009	6,093	3,648

*While nursing programs offer specific tracks in acute and primary care for the Adult-Gerontology, MN statute does not differentiate acute vs primary.

**New Program

***Closed Program Track/Track Phasing Out



First Time Success Rate on Certification Exam By Program Track

Table 8. Minnesota Advanced Practice Programs’ First-Time Success Rates by Track

Advanced Practice Program Tracks	2016	2017	2018	2019
	Percent Pass	Percent Pass	Percent Pass	Percent Pass
Augsburg University				
Family Nurse Practitioner	-	85.71	92.85	100
Bethel University				
Nurse Midwifery	80	85	57	75
College of St. Scholastica				
Adult/Gerontology Primary Care Nurse Practitioner - ANCC	-	-	50	-
Adult/Gerontology Primary Care Nurse Practitioner – AANPCP	75	-	100	100
Family Nurse Practitioner – ANCC	100	-	-	-
Family Nurse Practitioner – AANPCP	90	100	85	77
Psych/Mental Health Doctor of Nursing Practice	90	100	50	-
Mayo Clinic College of Medicine				
Nurse Anesthesia	84	84	84	81
Metropolitan State University				
Family Nurse Practitioner	100	93.75	80	77
Minneapolis School of Anesthesia				
Nurse Anesthesia	86.2	72.4	76.60	75.80
Minnesota State University, Mankato				
Family Nurse Practitioner	100	93	97	84.61
St. Catherine University				
Adult/Gerontology Primary Care Nurse Practitioner	-	90	92	94
Pediatric Primary Care Nurse Practitioner	85	100	100	100
Saint Mary’s University				
Nurse Anesthesia	81.8	70.9	75.76	74
University of Minnesota				
Adult/Gerontology Clinical Nurse Specialist - ANCC	67	100	75	100
Adult/Gerontology Nurse Practitioner – AANP	88	91	100	94
Family Nurse Practitioner – AANP	100	94	100	100
Nurse Anesthesia	69	83	91.70	100
Nurse Midwifery	100	100	67	82
Pediatric Clinical Nurse Specialist	-	-	100	100
Pediatric Primary Care Nurse Practitioner	100	100	100	100
Psych/Mental Health Nurse Practitioner	100	100	100	100
Women’s Health Nurse Practitioner	100	83	80	100

Walden University				
Adult/Gerontology Acute Care Nurse Practitioner – ANCC	71	58	79	77
Adult/Gerontology Acute Care Nurse Practitioner – AACN	77	54	68	58
Adult/Gerontology Primary Care Nurse Practitioner – AANP	61	74	66	66
Adult/Gerontology Primary Care Nurse Practitioner – ANCC	53	56	62	50
Family Nurse Practitioner – AANP	73	70	69	73
Family Nurse Practitioner – ANCC	63	67	71	74
Psych/Mental Health Nurse Practitioner – ANCC*	-	-	68	79
Winona State University				
Adult/Gerontology Acute Care Nurse Practitioner	100	83.3	100	100
Adult/Gerontology Primary Care Nurse Practitioner	100	-	-	-
Adult/Gerontology Clinical Nurse Specialist	100	100	87.50	100
Family Nurse Practitioner	100	100	100	100
Psych/Mental Health Nurse Practitioner*	-	-	100	80

Because there may be a low number of graduates/year, consideration of trends is helpful in reviewing results

- No Data Reported

*New Program Track

**Closed Program Track

Table 9. National Certification Organizations' First-Time Exam Statistics

National Certification Organizations' Exam Statistics	2016	2017	2018	2019
	Percent Pass	Percent Pass	Percent Pass	Percent Pass
American Academy of Nurse Practitioners (AANP)				
Adult/Gerontology Primary Care Nurse Practitioner	75.7	82	83	84
Adult Nurse Practitioner	68.6	-	-	-
Family Nurse Practitioner	81.6	80	85	86
American Association of Critical-Care Nurses Certification Corporation (AACN)				
Adult/Gerontology Acute Care Clinical Nurse Specialist	83.3	79	72.8	84.1
Adult/Gerontology Acute Care Nurse Practitioner	73.4	73	80.4	81.4
Neonatal Acute Care Clinical Nurse Specialist	100	100	100	100
Pediatric Acute Care Clinical Nurse Specialist	75	83	65.2	69.6
American Midwife Certification Board (AMCB)				
Certified Nurse Midwife	93.9	91.8	80.8*	77.2*
American Nurses Credentialing Center (ANCC)				
Acute Care Nurse Practitioner	88.7	-	-	-
Adult Nurse Practitioner	75.2	-	-	-
Adult/Gerontology Acute Care Nurse Practitioner	88.3	84.7	89.5	91.3
Adult/Gerontology Clinical Nurse Specialist	78.4	79.1	78.4	84.2
Adult/Gerontology Primary Care Nurse Practitioner	80.1	76.8	79	80
Adult Health Clinical Nurse Specialist	79.5	76.8	-	-
Adult Psychiatric-Mental Health Clinical Nurse Specialist	75	87.5	-	-
Adult Psychiatric-Mental Health Nurse Practitioner	67.9	100	-	-
Child/Adolescent Psychiatric-Mental Health Clinical Nurse Specialist	60	75	-	-
Family Nurse Practitioner	82.3	82.9	86.2	87.2
Gerontological Nurse Practitioner	91.7	-	-	-
Pediatric Clinical Nurse Specialist	72.4	58.3	-	-
Pediatric Nurse Practitioner	79.4	86.6	85.7	33.3
Psychiatric-Mental Health Nurse Practitioner	88.7	88	88.5	
National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA)				
Nurse Anesthetist	84.5	83.7	84.3	84.8%**
National Certification Corporation for the Obstetric, Gynecological, Neonatal Nursing Specialties (NCC)				
Neonatal Nurse Practitioner	84	87.7	86*	92*
Women's Health Nurse Practitioner	89	90.3	92*	91*
Pediatric Nursing Certification Board (PNCB)				
Acute Care Pediatric Nurse Practitioner	74	80	85.5	72.8
Primary Care Pediatric Nurse Practitioner	92	90	87.5	81.7

*May include repeat testers

**First-time test data from September 1, 2018 – December 31, 2019