Primary Care Task Force Oversight Committee
University of South Dakota Nursing Program

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Associate Chair, Nursing Research
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Outline

• Program overview
• Capacity and seats filled
• Current enrollment
• Demographics
• NCLEX pass rates
• Clinical sites
• Recruitment
• Rural experiences and challenges
SHS Mission

• SHS
  • Develop scholars, practitioners and leaders in health and human services, meeting the workforce needs of South Dakota, the region and beyond.

• Nursing
  • The Department of Nursing (DON) develops leaders in the scholarship and practice of nursing, meeting the healthcare needs of South Dakota, the region and beyond.
Program Overview

- **1960**: USD Baccalaureate Nursing program begins in Vermillion.
- **1962**: SD BOR resolves to develop 2 year program at USD; To replace the BSN degree at USD Vermillion.
- **1970**: Outreach campuses established in Rapid City, Pierre, Watertown, and Sioux Falls.
- **1990**: Start USD internet-based programming.
- **2000**: BOR grants USD authority to deliver BSN in an online, post-licensure, RN-BSN.
- **2010**: Continuous accreditation by NLNAC since 1975.
Continuous accreditation by NLNAC since 1975

2010
- Summer: USD Nursing submits proposal to BOR for authority to deliver 4 year Baccalaureate Nursing program

2011
- Fall: Last ASN class admitted to Vermillion and Sioux Falls sites

2012
- Fall: BOR grants approval to deliver a 4 year traditional BSN program in Vermillion, Sioux Falls, and Rapid City and to continue ASN distance and face-to-face ASN programming in Pierre

2013
- Spring: First 4 year BSN cohort admitted to Vermillion and Sioux Falls sites.

2014
- Fall: Sioux Falls and Vermillion graduate first BSN cohorts
- Fall: Last ASN cohort admitted to Rapid City

2015
- Fall: Pierre will admit first BSN cohort

2016
Program Overview

Current Sites and Programs

• Watertown (ASN)
• Sioux Falls (BSN)
• Vermillion (BSN)
• Rapid City (BSN)
• Pierre (BSN starts Fall 2016 and the last ASN cohort graduates Spring 2017)
• Online RN-BSN
Program Overview

- South Dakota Board of Nursing Approval
  - ASN Full approval
  - BSN Interim approval status with intent to apply for full approval status after completion of two full cycles of NCLEX after December 2016.

- Accreditation
  - BSN-Commission on Collegiate Nursing Education (CCNE).
  - ASN-Accreditation Commission for Education in Nursing (ACEN)
RN-BSN Capacity and Seats Filled Academic Years 2010-2016
BSN Capacity and Seats Filled Years 2013-2015

*Pierre capacity is 24 starting 2016-2017*
All-Capacity Versus Seats Filled

![Graph showing capacity and seats filled by program/year from FA10/SP11 to 2015-2016. The capacity graph shows a steady increase from 247 to 358, while the seats filled graph shows a similar trend but slightly lower, ending at 296.](image-url)
## Current Enrollment

<table>
<thead>
<tr>
<th>Enrollment by Program</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS</td>
<td>60</td>
</tr>
<tr>
<td>BSN</td>
<td>277</td>
</tr>
<tr>
<td>RN-BSN</td>
<td>119</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>456</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Enrollment by Site</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pierre</td>
<td>20</td>
</tr>
<tr>
<td>Rapid City</td>
<td>34</td>
</tr>
<tr>
<td>RN-BSN</td>
<td>119</td>
</tr>
<tr>
<td>Sioux Falls</td>
<td>91</td>
</tr>
<tr>
<td>Vermillion</td>
<td>144</td>
</tr>
<tr>
<td>Watertown</td>
<td>46</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>456</strong></td>
</tr>
</tbody>
</table>
Demographics

Male Enrollment Per Program Type

<table>
<thead>
<tr>
<th>Program Type</th>
<th>5%</th>
<th>18%</th>
<th>13%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RN-BSN</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Age Group Enrollment Per Program Type

<table>
<thead>
<tr>
<th>Age Group</th>
<th>ASN</th>
<th>BSN</th>
<th>RN-BSN</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-20 years</td>
<td>11%</td>
<td>24%</td>
<td>37%</td>
</tr>
<tr>
<td>21-25 years</td>
<td>20%</td>
<td>30%</td>
<td>25%</td>
</tr>
<tr>
<td>26-30 years</td>
<td>8%</td>
<td>9%</td>
<td>27%</td>
</tr>
<tr>
<td>31-40 years</td>
<td>5%</td>
<td>2%</td>
<td>11%</td>
</tr>
<tr>
<td>&gt;40 years</td>
<td>5%</td>
<td>25%</td>
<td>11%</td>
</tr>
</tbody>
</table>
Demographics-Ethnicity

- In 2015, ratio of minority students to Caucasians is 9% for BSN, 8% for ASN and 5% for RN-BSN

<table>
<thead>
<tr>
<th>BSN</th>
<th>American Indian</th>
<th>Asian</th>
<th>African American</th>
<th>Caucasian</th>
<th>Hispanic</th>
<th>Others/unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>47</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>2014</td>
<td>5</td>
<td>1</td>
<td>3</td>
<td>161</td>
<td>2</td>
<td>39</td>
</tr>
<tr>
<td>2015</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>191</td>
<td>5</td>
<td>72</td>
</tr>
</tbody>
</table>
Board Pass Rates of Students

- 2015 "first time pass rate"
  - NCLEX for BSN students 88%
  - ASN pass rate for 2010-2015 range from 84%
## Gap between ASN and BSN NCLEX Pass Rates

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Associate Degree % Pass Rate</strong></td>
<td>89.32</td>
<td>81.43</td>
<td>79.26</td>
<td>82.00</td>
</tr>
<tr>
<td><strong>BSN Degree % Pass Rate</strong></td>
<td>91.66</td>
<td>85.18</td>
<td>84.93</td>
<td>87.49</td>
</tr>
<tr>
<td><strong>% Difference Between AS &amp; BSN Pass Rate</strong></td>
<td>2.34</td>
<td>3.75</td>
<td>5.67</td>
<td>5.49</td>
</tr>
<tr>
<td><strong>Total % Pass Rate (Includes AS, BSN, &amp; Diploma)</strong></td>
<td>90.34</td>
<td>83.04</td>
<td>81.78</td>
<td>84.53</td>
</tr>
</tbody>
</table>

Placement of Students and Rural Presence

• USD has 275 long-term agreements specific to nursing with facilities for undergraduate clinical experience

• Short-term agreements are negotiated as needed
The University of South Dakota Health Affairs

Clinical Sites

http://www.usd.edu/~/media/files/medicine/medical-student-affairs/health-affairs-clinical-sites.ashx?la=en
Placement of Students (2010-2016)

Rural Placement Per Site

- Vermillion: 6%
- Sioux Falls: 6%
- Rapid City: 33%
- Pierre: 88%

Out-of-State Placement

- Vermillion: 6%
- Sioux Falls: 6%
- Rapid City: 16%
- Pierre: 6%

Watertown and RN-BSN data are not available
Recruitment Efforts

• Working with Health Occupations Student Organizations
• Partnership with Regional
• Weekend open houses and high school career and wellness fairs (fall and spring) with 300-400 people pre-registering for these
• Area recruitment efforts, including scrub camps
• Campus visit day
• Alumni, community events, advertisement and marketing
• Mobile simulation demonstration
• Nurses day
• High school student tours
Student Experiences

• What kind of opportunities are there for students-particularly in rural areas—for clinical experiences?
  
  • Interprofessional experiences with clinics, health systems, regional Nursing programs, and all disciplines within the School of Health Sciences and the Sanford School of Medicine

  • USDA grant to increase distance learning at remote sites in simulation activities and classes

  • Critical Access Hospital (CAH) experience (hybrid preceptorship) (Vermillion site)
    
    • 2010-present, 64 students (13%)
    • Telehealth experiences are available at 100% of CAH
Student Experiences

• Community (population health) experiences
  • Immunizations and health screening
  • Flu shot clinics
  • Clinical
  • Health assessments and health fairs
  • Quality improvement and evidence-based projects
Challenges in Rural Placements

• Distance and travel
• Cost
• Census
• Equitable access to clinical experiences (critical care, oncology, selected surgeries, etc.)
• Graduate desire to specialize in selected areas
• Access to ongoing education and professional development
• Social limitations
Student Perception of Rural Placement

• Autonomy
• Complexity and variety
• Benefits of Technology
Conclusion

• USD has a strong nursing program committed to meeting the workforce needs of South Dakota
• USD Nursing has statewide presence and capacity to enroll students
• Rural placement varies by site, Pierre the highest (88%)
• Out of state placement varies by site, Rapid City the highest (16%)
• Cost and distance are major challenges in providing rural experiences to students
• Collaboration is key to maximizing the results of any solutions adopted to address workforce issues in the state