Primer on Nursing Education

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Outline

• Overview of Nursing Education
  – Nationally
  – State of Wyoming
    • Role of Community Colleges
    • Role of UW

• Issues in Nursing Education

• Current Initiatives
  – UW-Community College Collaboration
  – Nursing Workforce Center
Overview of Nursing Education

- Certified Nursing Assistant
- Licensed Practice Nurse
- Registered Nurse
  - Associate Degree
  - Diploma
  - BSN
    - Basic
    - Accelerated
    - RN-BSN Completion
  - Direct entry graduate
    - MS
    - ND (programs transformed to DNP programs)
- Advanced Practice Nursing (NP, CNM, CRNA, CNS)
  - Master’s degree
  - Doctor of Nursing Practice (DNP)
- Other nursing master’s level degrees (e.g., nursing administration)
  - Clinical Nurse Leader
- PhD
Nursing Program Regulation

- Wyoming Board of Nursing (WBON) approval
- National accreditation
  - CCNE (BSN and master’s programs; will be accrediting DNP programs)
  - NLNAC (LPN, AD, diploma, BSN and master’s level programs)
Nursing Regulation

• CNA: Certification test and certified through WBON
• LPN: NCLEX PN and licensure by WBON
• RN: NCLEX RN and licensure by WBON
• APRN: National certification and recognition by WBON
Community College

- Seven in the state of Wyoming
- Six offer Associate degrees in Nursing, LPN certificates and CNA classes
- Most admit students once per year and run two classes simultaneously
- One admits every semester
- All programs are designed to articulate with the University
Sheridan College

• Graduate 20-22 students per year
• Admit 24 students each fall
• Approximately 60% are employed locally each year
• Collaborative effort UWYO to further student and RN access to Bachelors level education
• Barriers to increasing numbers
  – Lack of qualified nurse educators
  – Limited clinical sites
  – Classroom space
University of Wyoming: Mission

The Fay W. Whitney School of Nursing will promote excellence in professional nursing for diverse populations, with an emphasis in rural health, through education, scholarship, outreach, and service.
University of Wyoming: Overview of Programs

- **BSN**
  - Basic: upper division major; on-campus
  - Accelerated: 2nd bachelor’s degree; 15 month program; hybrid
  - RN-BSN completion: For RNs desiring a BSN; on-line

- **Advanced Practice Nursing:** hybrid; ~ 2 years full-time; MS or post-master’s certificate
  - Family nurse practitioner
  - Psychiatric mental health nurse practitioner (Adult)
  - Proposed DNP

- **Other nursing master’s degree:** MS or post-master’s certificate
  - Nurse educator (on-line)
### University of Wyoming: BSN program (2007)

<table>
<thead>
<tr>
<th></th>
<th>Total Number of students</th>
<th>Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic</strong></td>
<td></td>
<td></td>
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<tr>
<td>Prenursing</td>
<td>217</td>
<td></td>
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<tr>
<td>Juniors</td>
<td>49</td>
<td>51</td>
</tr>
<tr>
<td>Seniors</td>
<td>51</td>
<td>51</td>
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<tr>
<td><strong>Accelerated</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cohort 1</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Cohort 2</td>
<td>16</td>
<td></td>
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<tr>
<td><strong>RN-BSN Completion</strong></td>
<td>174</td>
<td>32</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>526</td>
<td>174</td>
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</table>
University of Wyoming: Master’s program (2007)

<table>
<thead>
<tr>
<th>Program</th>
<th>Total number of students</th>
<th>Graduates</th>
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</thead>
<tbody>
<tr>
<td>FNP</td>
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<tr>
<td>MS Certificate (post-master’s)</td>
<td>23</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>1</td>
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<tr>
<td>PMHNP</td>
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<tr>
<td>MS</td>
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<td>5</td>
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<tr>
<td>Certificate (post-master’s)</td>
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<td>1</td>
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<tr>
<td>Nurse Educator</td>
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<td></td>
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<tr>
<td>MS</td>
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<td>15</td>
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<tr>
<td>Certificate (post-master’s)</td>
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<td>1</td>
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<tr>
<td>TOTAL</td>
<td>100</td>
<td>31</td>
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</table>
On average, APNs in Wyoming work 6.8 hours/day in direct patient care and seeing 15.1 clients/day (Brown, Hart & Burman, 2005).
Location of First Job in Wyoming After Graduation, FNP Program, 1996-2004

- Afton: 1
- Big Horn: 1
- Casper: 6
- Cheyenne: 10
- Douglas: 1
- Dubois: 1
- Evanston: 1
- Gillette: 2
- Jackson: 1
- Kemmerer: 1
- Laramie: 11
- Riverton: 3
- Rock Springs: 2
- Sheridan: 1
- Wheatland: 2
- Total: 45 graduates in Wyoming
On average, APNs in Wyoming work 6.8 hours/day in direct patient care and seeing 15.1 clients/day. (Brown, Hart & Burman, 2005)
Issues in Nursing Education

- Student Enrollments
  - Number of applicants
  - Number of available slots
- Faculty Shortage
- Clinical Experiences
- Clinical Simulation
- Incentives to obtain BSN
- Interprofessional Education
Percent Change in Enrollments in Entry-Level Baccalaureate Nursing Programs: 1994-2007

**Source:** American Association of Colleges of Nursing, Research and Data Center, 1994-2007

AACN is not responsible for reporting errors by respondent institutions.

*Preliminary 2007 data
Qualified Applications Turned Away from Entry-Level Baccalaureate Nursing Programs: 2002-2007

Year | Qualified Applications Turned Away
--- | ---
2002 | 3,600
2003 | 15,944
2004 | 29,425
2005 | 37,514
2006 | 38,415
2007 | 30,709*

*Preliminary 2007 data

SOURCE: American Association of Colleges of Nursing, Research and Data Center, 2002-2007
AACN is not responsible for reporting errors by respondent institutions.
UW-CC collaboration

• RN-BSN Completion
  – LEAP project funded by HRSA
  – Sheridan College and Edward A. Whitney Endowed Chair

• Other possibilities
  – Mobile simulation lab
Nursing Workforce Project of Wyoming (NWPW)

- Grant submitted to Robert Wood Johnson as part of Partners Investing in Nursing’s Future
- Wyoming Community Foundation and UW SON
- Other partners: Wyoming Nurses Association, Wyoming Healthcare Commission, College of Health Sciences, Office of Rural Health, Wyoming Council for Advanced Practice Nurses, Wyoming School Nurses Association, Sigma Theta Tau, Nurse Educators of Wyoming, Wyoming Regional Medical Center, Campbell County Memorial Hospital, Power Valley Health Care, Westview Health Care Center, Pioneer Manor
Partners Investing in Nursing’s Future

A partnership of the Northwest Health Foundation and the Robert Wood Johnson Foundation supporting local foundations to invest in nursing workforce solutions. Partners Investing in Nursing's Future is helping local and regional philanthropies develop solutions to the nursing workforce shortage.
NWPW Goals

• To develop a Nursing Workforce Center in order to identify and address factors which contribute to the demand and the supply of CNAs, LPNs, and RNs in Wyoming.

• To implement and evaluate pilot projects that will impact workplace environments in health care delivery settings in Wyoming with an emphasis on settings which provide care to the aging population in Wyoming.
Questions and answers

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