

Supporting Regional and Remote Campuses

Julia Shaw-Kokot, RN, MSLS, AHIP

Diana McDuffee, MSLS, AHIP

Health Sciences Library

Why ?

- Persistent Health Professional Shortage Areas
- Primary Care Physicians per 10,000 Population
- Registered Nurses per 10,000 Population
 - 2010 : -8,100, 16th in US
 - Trust for America's Health
- Workforce Issues Among Sole Community Pharmacies
- North Carolina Hospital Association- Hospitals

Do Regional Campus Help?

- 2008 systematic review (Rabinowitz, et al.)
 - Graduates of 6 selected rural medical schools
 - 53% practicing in areas of 20,000 to 25,000 or fewer
- 2008 article (Schwartz)
 - In 2004, less than 2% of practicing Pennsylvania physicians in areas of low primary care physician supply (1,765 people per physician)

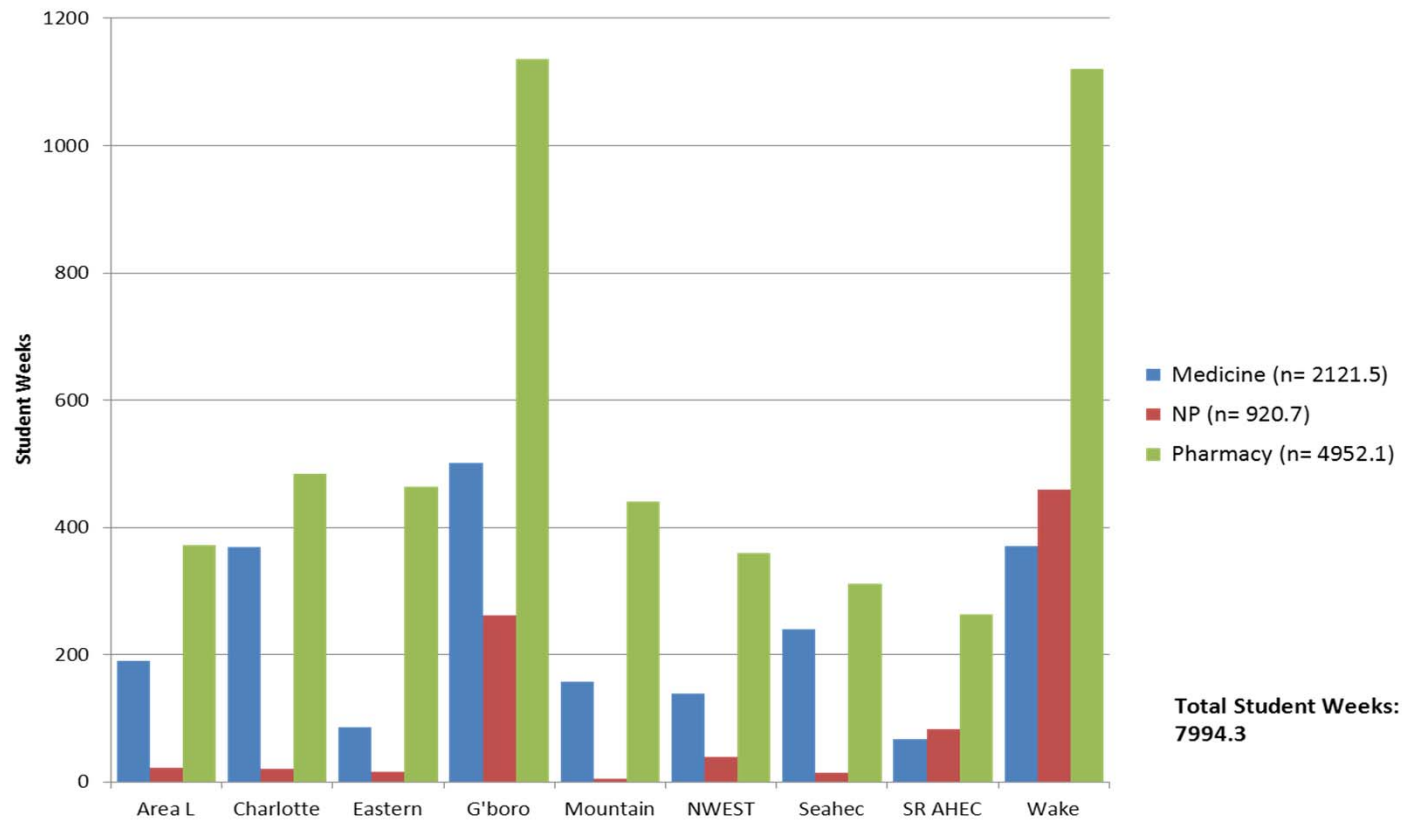
NC

- School of Pharmacy satellite campus Elizabeth City State University
 - First class graduated 2010
 - 10 students
 - 3 stayed in Northeastern NC

(Satellite campus in Asheville coming this fall)

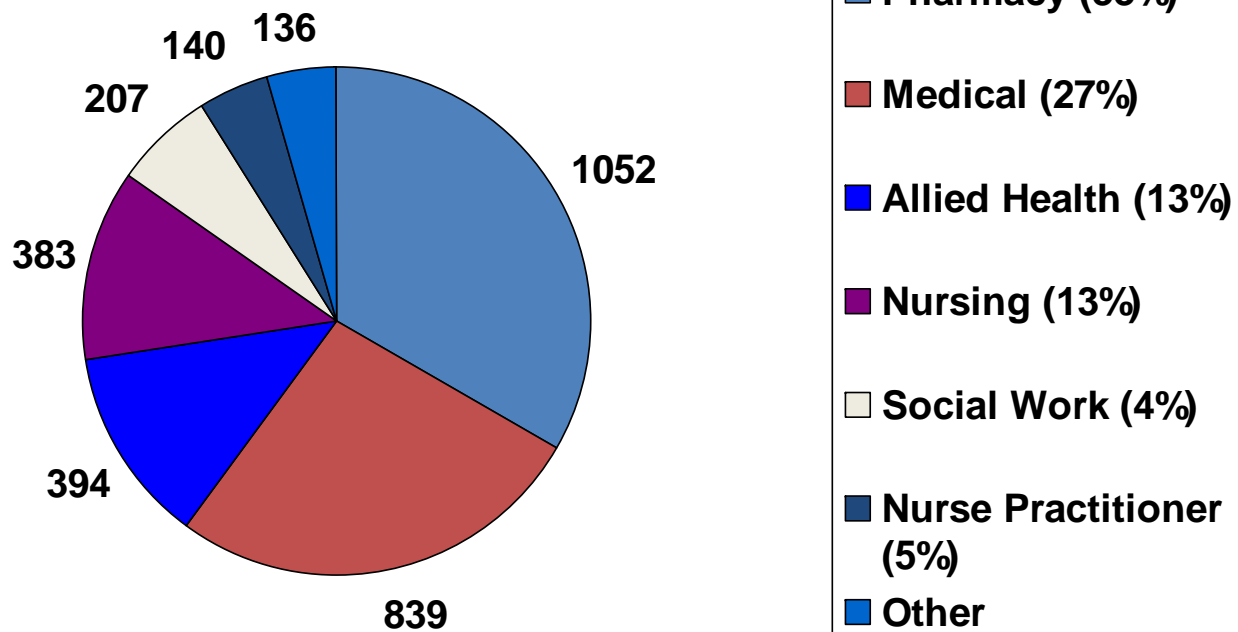
UNC at CH Off Campus Students

NC AHEC Office of Regional Primary Care Education (ORPCE)
UNC- CH Student Weeks
2009-2010



UNC CH Preceptors in NC

UNC Chapel Hill Preceptors in NC AHEC Digital Library



Structure of Healthcare Education

- Academic based courses on campus
 - Anatomy/Physiology/Pharmacology/etc.
 - Skills
 - Professionalism
- Clinical rotations throughout the state
 - Begin in first year
 - Integrate knowledge and skills with patient care
 - 40% SOM clinical education in off campus site

School of Nursing Case Study

- 2009
 - NC State Legislature gave planning funds for a Raleigh campus (2009-2011)
 - Physical facilities in Raleigh
 - 80 accelerated BSN students based in Raleigh
 - Students already have a BS or BA degree
 - 14 month program
 - Courses originated in either place via videoconferencing

Accreditation

- Commission on Collegiate Nursing Education (CCNE)
 - ...(libraries) adequate for students and faculty to meet program requirements and to achieve the mission, goals, and expected student and faculty outcomes.
- National League of Nursing (NLN)
 - access to and can effectively use appropriate library resources

First Steps

- 2009 – 2010
 - SON Liaison was active participant from the beginning
 - Identified Raleigh area clinical practice sites
 - Preferred site would link with NCSU
- 2010 – 2011
 - Curriculum developed
 - Installed videoconferencing equipment
 - UNC at CH 2 classrooms and large auditorium

Joint Program

- Joint Department of Biomedical Engineering (BME)
- Since Dec. 2003
- Linking the School of Medicine at UNC-CH to the College of Engineering at NC State
- Undergraduate, MS and PhD degrees
- Full access to UNC at CH and NCSU libraries

Collaborative Program

- Environmental Sciences and Engineering
 - Approved courses from NCSU count toward degree requirements
 - Access to NCSU once enrolled in courses

Library Role in SON Expansion

- Collections
 - Increase online resources such a streaming videos
- Liaison
 - Instruction
 - Required modules online
 - Use of videoconferencing
 - Classes in CH and Raleigh
 - Support
 - Elluminate office hours
 - Available CH hours around CH classes
 - Visits to the Raleigh campus

Liaise with Other Libraries

- NCSU
- Rex Hospital
- WakeMed/Wake Area Health Education Center (AHEC)

And, then...

- Budget issues
 - No additional funds from legislature foreseen
 - No funds for normal operations
 - No funds for expansion
 - Cutting programs in response to the budget
 - Raleigh campus has been sent to the legislature for future funding, but...

Case Model for School of Medicine Regional Campuses



Presentation to Board of Trustees

- Need
- National trends and regional campuses
- Overview of expansion proposal
- Partner Charlotte
- Partner Asheville
- Partner AHEC

LCME ER-11

- ...physical or electronic access to leading biomedical, clinical, and other relevant periodicals, the numbers of which should be readily available. The library or other learning resource centers must be equipped to allow students to access information electronically, as well as to use self-instructional materials.

LCME ER-12

- A professional staff should supervise the library and information services, and provide instruction in their use. The library and information services staff should be familiar with current regional and national information resources and data systems, and with the contemporary information technology.

Meeting LCME ER-11

- Collections
 - Relevant clinical electronic resources
 - Expanded UNC at CH licenses
 - Use of host library licenses
- Access
 - Develop a dedicated virtual library portal
- Library Space
 - Modify current spaces to accommodate new faculty and students

Meeting LMCE LR-12

- Library Staff and Services
 - Hire additional staff to support expanded services
 - Charlotte and Asheville
 - 1 FTE professional librarian
 - 1 FTE support staff
 - UNC at Chapel Hill
 - 1 FTE professional librarian

Regional Campuses



Asheville Library



Charlotte Library



Library Implications

- Library services model for future campuses

References

- Rabinowitz HK, Diamond JJ, Markham FW, Wortman JR. [Medical school programs to increase the rural physician supply: a systematic review and projected impact of widespread replication.](#) Acad Med. 2008 Mar;83(3):235-43.
- Schwartz MR. [The physician pipeline to rural and underserved areas in Pennsylvania.](#) J Rural Health. 2008 Fall;24(4):384-9.