



SCHOOL OF NURSING

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 **Vanderbilt** University  
School of Nursing



# Vanderbilt University

## School of Nursing

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- Established in 1909 as a diploma program
- 1926 - 5 year program leading to BSN
- 1933 charter member of Association for Collegiate Schools of Nursing which later became NLN
- 1955 VUSN first school in Tennessee and one of six schools in the South offering MSN



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# *Vanderbilt University*

## *School of Nursing (cont'd.)*

- 1970 PRIMEX Program (forerunner to FNP program) established
- 1986 “Bridge” Program began leading to MSN (16 students)
- 1993 First PhD in Nursing Science class began



# Advanced Practice Clinical Operations

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Vine Hill Clinic + Housing Project Clinics

School Based Clinics

Midwifery /Birth Center Practices

VUMC Outpatient & Inpatient Practices

Collaborative Practices- Nashville  
Community

90+ faculty



# Research

- Nursing Workforce Studies
- Nursing Intervention Research:
  - Quality of Life
  - Quality of Care
- Cancer Center
  - Nursing Clinical Trials Project
  - Pediatric Palliative Care



# Emergency Preparedness Programs

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- International Nursing Coalition for Mass Casualty Education
- National Center for Emergency Preparedness



# Joint Program Opportunities

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- Meharry Vanderbilt Alliance
- Meharry/Vanderbilt Geriatric Education Center
- Meharry Center for Rural Interdisciplinary Training
- Meharry/Vanderbilt Substance Abuse Project



# International Projects

- Cultural Competence for Multicultural Healthcare Workforce
  - Bournemouth University, UK
  - Uppsala University, Sweden
  - Pohjois-Savo Polytechnic, Finland
- VUSN & VUSOM Medical Missions Project: Peru





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# Master of Science in Nursing with Multiple Entry Options



# Multiple Entry Options

- College graduate in any field
- Completion of junior year at one of the affiliated senior year in absentia schools
- Completion of 78 semester hours of college credit
- Completion of ASN or Diploma in nursing with 78 semester hours
- Completion of BSN
- Completion of MSN



# Program of Studies

- Non-nurse with 78 semester hours or baccalaureate degree in another field
  - Year 1: Fall, spring, summer
  - Year 2: Fall, spring, summer
  - 6 semester (full-time study)
- ASN or Diploma RN with 78 semester hours
  - 5 semesters (full-time study)
  - Year 1: Fall, spring
  - Year 2: Fall, spring, summer



# Program of Studies (cont'd.)

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## BSN

- 3 semesters (full-time study)
- Fall, spring, summer

## MSN (Post Master's)

- 3 semesters (part-time study)
- Portfolio analysis

Note: NMW , PNP Acute Care and WHNP/ANP takes one additional semester, NMW/FNP takes two additional semesters.



# Master's of Science in Nursing (MSN) degree prepares

*Advanced Practice Nurses (APN)*



# What is an APN?

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- Umbrella term
- RN with advanced education and clinical practice skills
- 6 principle types of APNs



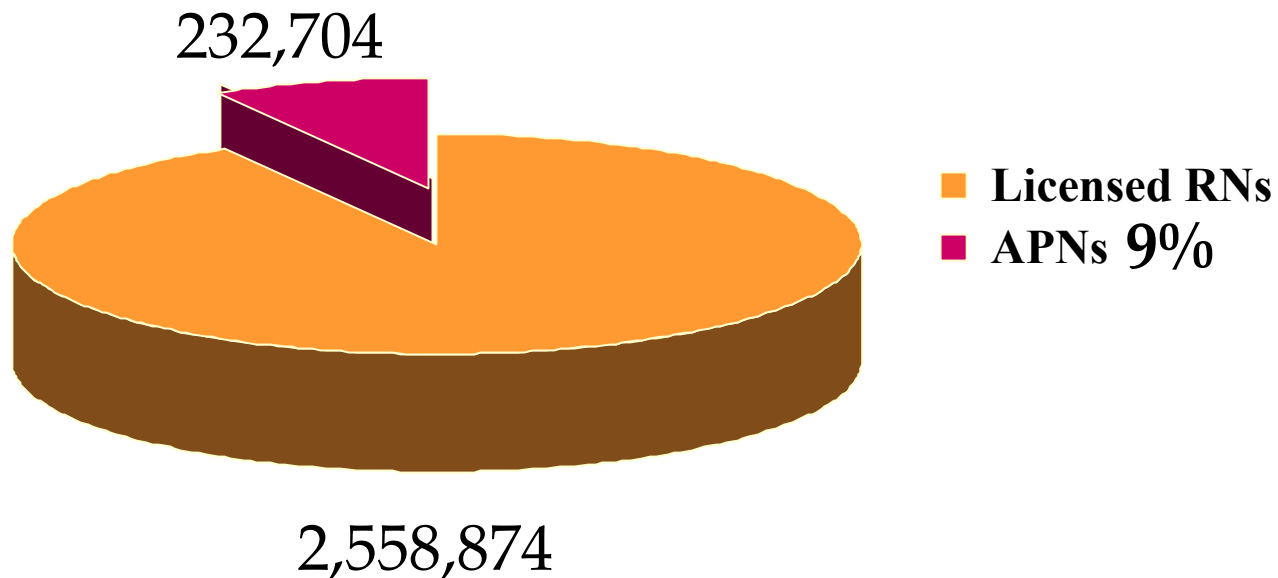
# Types of APNs

1. Nurse Practitioners
2. Clinical Nurse Specialist
3. Nurse-Midwife
4. Nurse Anesthetists
5. Clinical Nurse Managers or Health Systems Managers
6. Nurse Informaticist



# Number of RNs Who are Master's Prepared in Nursing

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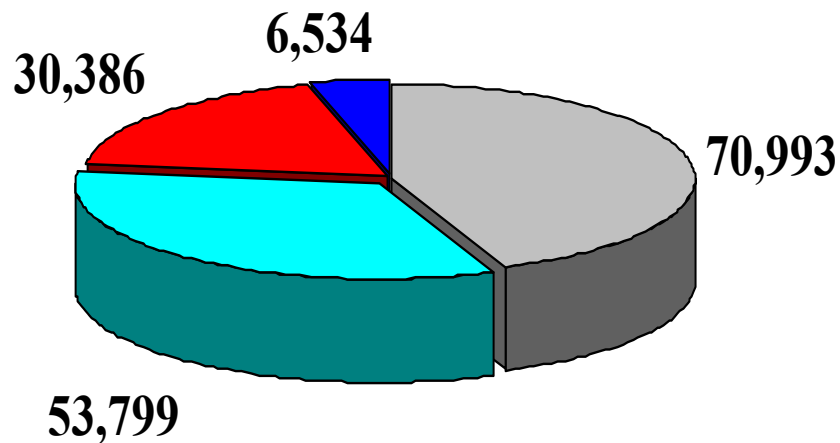






# Clinical Advanced Practice Nurses

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- Nurse Practitioners
- Clinical Nurse Specialists
- Nurse Anesthetists
- Nurse Midwives



# Changing Healthcare Industry

## Challenge:

- Provide safe & effective healthcare while controlling cost
- Continues to be a need for all levels of care
  - primary
  - secondary/community
  - tertiary
  - quaternary
- Increased use of nurse practitioners, nurse-midwives, nurse anesthetists, clinical nurse specialists, case managers



# Providers for the 21st Century

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## Advanced Practice Nurses

- Accessible
- Cost-effective
- High quality care



# Georgia faces critical shortage of nurses

THE ASSOCIATED PRESS

ATLANTA — The shortage of registered nurses in Georgia's hospitals is greater than ever — and will get worse before it gets better, hospital executives say.

A statewide hospital manpower survey by the Georgia Hospital Association found a statewide vacancy rate of 13 percent for registered nurses — and an even higher rate in the Atlanta area at 19 percent.

Vacancy rates for other professionals from medical technologists to pharmacists — were 8 percent to 11 percent, according to the survey of 115 hospitals, based on job data as of October 1999.

The nursing shortages, espe-

cially in the Atlanta area, are causing bidding wars for RNs, producing signing bonuses of up to \$5,000.

The shortage of health professionals "is the worst we've experienced in my 22 years at GHA," said Joe Parker, the hospital association's president. "We're just not finding people coming into nursing or other professions."

A strong economy and more career opportunities for women are among the reasons for the shortages, which are occurring all over the country, Parker said. Midcareer nurses are finding work outside hospitals — with drug companies, managed-care companies and in other settings.

"Every area in every region is experiencing some form of RN shortage," said Pamela

Thompson, executive director of the American Organization of Nurse Executives in Washington.

The nurse shortage, especially acute among experience and specialized nurses, will only get worse as current nurses approach retirement, Thompson said. The average age of an RN in Georgia is about 45, she said.

The GHA report also said enrollment in four-year nursing programs dropped 20.9 percent from 1995 to 1998.

At the same time, the demand for health services increases rapidly as the population ages, said Ken Beverly, president of Archbold Medical Center, a five-hospital system based in Thomasville.

Archbold offers signing bonuses because it has to com-

pete for nurses with hospitals in nearby Valdosta, Albany and Tallahassee, Fla. But the competition for registered nurses appears to be most intense in metro Atlanta.

"We're all bidding for the same people," said Lorna Martin, vice president of nursing at Atlanta's Piedmont Hospital, whose RN vacancy rate is 11 percent.

Hospitals downsized in the 1990s making fewer jobs available for new nurses, said Debbie

Hatmaker, president of the Georgia Nurses Association. Now hospitals are facing an influx of patients and a shortage of nurses.

"Patients are requiring more care," she said. "They are sicker now. The work is actually harder," Hatmaker said.

The GHA report lists several proposals to ease the staffing crisis, including targeting HOPE scholarship funds for health professions. Health careers also should be better promoted in

middle and high schools, nursing executives said.

A new program in Georgia to put nurses into schools will have a positive effect, said Patricia Horton, director of critical care and emergency services at DeKalb Medical Center. "Students will be exposed to a nurse who's an educator."

A new committee within the state Department of Community Health will address the shortage of health professionals at a meeting Tuesday.



## NATION

# Shortage of nurses is spreading across the nation

**INDIANAPOLIS (AP)** — Hospitals and other health-care employers are offering nurses signing bonuses, child-care and even maid or lawn service as they confront a shortage that appears to be spreading nationwide.

If nursing does not attract more people in the next decade, hospitals face the prospect of shrinking staffs just as the estimated 78 million baby boomers begin to reach the age of 65.

Officials at the U.S. Department

of Health and Human Services say the shortage appears limited for now to isolated pockets across the country. However, federal data were last collected in 1996, and recruiters, universities and nursing groups say the shortage has spread since then.

“Six months ago, I would have said, yes, it was geographically limited. Now, I’d say it’s not,” said Pam Thompson, executive director of the American Organization of Nurse Executives, whose 4,000

members include recruiters, managers and nursing supervisors.

“Our members are having difficulty in filling positions, especially in the more specific areas like critical care, labor and delivery and the emergency room,” she said.

Hospitals are now offering signing bonuses as high as \$5,000, tuition and student-loan reimbursement programs, child-care subsidies, flexible hours and other enticements.

Community Hospitals of India-

napolis, faced with the prospect of an expanding cardiovascular unit, offered experienced nurses maid or lawn service in exchange for signing on. The perks helped round up 12 hires.

Cheryl Peterson of the American Nurses Association said managed care brought on part of the shortage as some hospitals reduced nursing staffs to cut costs.

“They disenfranchised a lot of nurses,” said Peterson, a senior policy analyst with the 200,000-

member union.

Meanwhile, nursing schools are turning out fewer graduates. The American Association of Colleges of Nursing reports enrollment in bachelor’s programs has declined for five consecutive years. Enrollments fell nearly 5% last fall from the previous year.

However, with fewer younger nurses coming up through the ranks — less than 10% today are under 30 years old — the nation’s pool of nurses is expected to

shrink in the next decade.

Federal officials and nursing groups agree the nation will experience an acute shortage of registered nurses starting in 2010, when today’s nurses, who average 44 years of age, start to retire.

The shortage is expected to hit just as the oldest baby boomers reach Medicare age and their health care needs grow, according to Vanderbilt University researchers Peter Buerhaus and Douglas Staiger. ■



# APN Roles Offered at VUSN

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- Nurse Practitioner (NP)
- Certified Nurse Midwife (CNM)
- Clinical and Health Systems Manager
- Clinical Nurse Specialist (option)
- Nurse Informaticist



# Management Programs Offered

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## Health Systems Management

- Emergency Response Management
- Clinical Research Management
- Transplant Management (under development)

## Clinical Management (RN's only)

- Adult Acute Care
- Pediatrics
- Women's Health
- Geriatrics
- (Clinical Nurse Specialist Option-additional semester)

**Courses offered in concentrated workshop format**



# MSN/MBA Dual Degree

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- 7 semesters for ASN or Diploma nurses
- 5 semesters for BSN nurses
- Requires separate application to Owen School of Management
- Must take GMAT





# Health Systems Management

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- Health Maintenance Organizations
- Community-based Clinics
- Ambulatory Care Centers
- Acute Care Institutions
- Clinical Research Corporations



# Clinical Management

- Hospital Patient Care Units
- Ambulatory and Outpatient Units
- Patient Care Centers
- Long Term Care
- Women's Services



# Nursing Informatics

- Clinical Informatics
- Educational Informatics



# Nursing Informatics

- Clinical Systems Project Managers
- Clinical Information System Vendors
- Web Page Designers for Consumer Health
- Health Care Education Systems
- Schools of Nursing



# NP Specialty Areas

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- Adult
- Adult/Geriatric
- Acute Care
- Family
- Neonatal
- Pediatric
- Psychiatric-Mental health
- Women's Health
- Women's Health/ANP



# Adult Nurse Practitioner

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- Adult Primary Care
- Offered in concentrated workshop format designed for the working professional
- Focus areas
  - *Cardiovascular disease prevention & primary care management*
  - *Palliative Care*
  - *Forensics*
  - *Older Adult/Geriatric Nurse Practitioner*  
*\*Dual certification ANP & GNP*



# Acute Care Adult NP

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- Complex illness care across settings
- Choose a specialty population, i.e.,  
trauma , pulmonary, nephrology, oncology, HIV-  
AIDS, rehabilitation,
- Across practice settings (specialty clinics &  
hospitals)
- Role may include secondary, tertiary or  
quaternary care



# Family NP (FNP)

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- Primary care
- Wellness/health promotion, disease management all age groups
- Numerous practice settings
- NMW/FNP option





# Neonatal NP

- Newborns in all 3 levels of care
  - Level III - Intensive Care
  - Level II - Intermediate Care “growing”nursery
  - Level I - normal newborn
- Critical care —————> Illness care —————>long term management
- Parent/family education
- Offered in concentrated workshop format
- **RN's only**



# Pediatric Nurse Practitioner

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- Choose focus area:
  - Primary Care
  - Acute Care (additional semester)
- School Based Clinics
- Pediatric Practices
- Hospital Based Practice
  - Offered in concentrated workshop format



# Psychiatric-Mental Health NP

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- Can focus on one of 4 populations
  - Adult
  - Child & adolescent
  - Geriatric
  - Severely & persistently mentally ill
- Individual, family and group therapy
- Emerging creative opportunities in collaboration with primary & specialty care practices.
- Offered in concentrated workshop format



# Women's Health NP

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- Well Woman's GYN
- Primary & Secondary Care
- Reproductive health & illness
- OB/GYN clinics, Planned Parenthood, STD clinics, health departments
- WHNP/ANP Combined Program (4 sem.)



# Nurse-Midwifery

- Well Woman's GYN
- Low risk OB
- Additional semester required
- Birthing centers, hospitals
- Primary & Secondary Care
- NMW/FNP Option -



# Career Options for Doctorally-Prepared Nurses

- **Research**
  - Design, implement, disseminate research studies
- **Clinical practice**
  - Provide direct care
  - Generate outcomes data to improve health status of individuals, families, & aggregates
- **Administration**
  - Direct institutions or departments of nursing/research
- **Faculty**
  - Teach in a variety of institutions preparing nurses and other health care providers
- **Policy**
  - Provide leadership for influencing political environment related to nursing and health care delivery



# Doctoral Education in Nursing

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For more information about the PhD program go to the VUSN website or contact

**Dr. Melanie Lutenbacher, Doctoral Program Director**

<http://www.mc.vanderbilt.edu/nursing/interested/index.html>



# Focus Areas /Certificate Programs

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- Clinical Research Management
- Emergency Response Management
- Forensic Nursing for students admitted to NP specialties beginning Fall 2004
- Palliative Care
- Presentations during the third session today





# Salary Range Year 2002 Graduates

## Full Time Nurse Practitioners

- \$50,000 and above 64%
- \$45,000 - \$50,000 23%
- \$40,000 - \$45,000 12%
- Did not indicate 1%



# CAREER OPPORTUNITIES



COURTESY



# Registered Nurses with a BSN:

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	2000	2010	2020
Nurses Available	596,000	656,000	635,000
Nurses Needed	854,000	1,385,000	1,754,000

## *RNs with a Master's or a Doctorate*

	2000	2010	2020
Nurses Available	175,000	250,000	315,000
Nurses Needed	377,000	532,000	822,000

Courtesy of the Bureau of Health Professions,  
U.S. Department of Health & Human Services



# Advanced Practice Nursing

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- A career for the 21st century
- Career opportunities increasing
- Blends art & science of nursing