TTUHSC Preston Smith Library presents

How to Search PubMed®

Information for Doctor of Nursing Practice
Doctorate of Nursing Practice Student Library Orientation
Friday, November 16, 2012
Time: 8:30 am – 11:30 am, 1C Room 120
Approx. 27 students
Contact: Lauren Sullivan (3-2748)

8:30 – 8:35  5 min.  Welcome/introductions - Peggy Edwards
Reference Librarians: Carrie Gassett, Margaret Vugrin

8:35 - 9:05  30 min.  PubMed Searching Demo - Peggy Edwards

9:05 - 9:35  30 min.  Live Group Practice Question/Discussion Hands-on
"Systems Leadership" - Peggy Edwards

9:35 - 9:45  10 min.  Break

9:45 - 10:00 15 min.  CINAHL Searching Demo - Peggy Edwards

10:00 - 10:30 30 min.  Live Group Practice Question/Discussion Hands-on
"Systems Leadership" - Peggy Edwards

10:30 - 11:20 50 min.  Solo Practice Questions

11:20 - 11:30 10 min.  Electronic Evaluations (on desktop)
To begin...
Hover-over Databases
Click PubMed
PubMed Home Page
Searching PubMed
MeSH Database

Terms in the database are called Medical Subject Headings or MeSH. is a “controlled vocabulary list” of more than 25,000 subject headings.

10-15 MeSH are assigned to each article in PubMed.

The MeSH index of 10-15 subject headings is like a keyword abstract of the article. MeSH are updated annually in December.
### Frequently Used Mesh Categories – 2011

<table>
<thead>
<tr>
<th><strong>A Anatomy</strong></th>
<th><strong>C Diseases</strong></th>
<th><strong>D Chemicals &amp; Drugs</strong></th>
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<tr>
<td>A1 Body Regions</td>
<td>C1 Bacterial Infections &amp; Mycoses</td>
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<td>A4 Respiratory System</td>
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<td>A5 Urogenital System</td>
<td>C5 Musculoskeletal Diseases</td>
<td>D5 Macromolecular Substances</td>
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<tr>
<td>A6 Endocrine System</td>
<td>C6 Digestive System Diseases</td>
<td>D6 Hormones, Hormone Substitutes, &amp;</td>
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<tr>
<td>A7 Cardiovascular System</td>
<td>C7 Stomatognathic Diseases</td>
<td>Hormone Antagonists</td>
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<tr>
<td>A8 Nervous System</td>
<td>C8 Respiratory Tract Diseases</td>
<td>D8 Enzymes, &amp; Coenzymes</td>
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<tr>
<td>A9 Sense Organs</td>
<td>C9 Otorhinolaryngologic Diseases</td>
<td>D9 Carbohydrates</td>
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<td>A10 Tissues</td>
<td>C10 Nervous System Diseases</td>
<td>D10 Lipids</td>
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<tr>
<td>A11 Cells</td>
<td>C11 Eye Diseases</td>
<td>D12 Amino Acids, Peptides, &amp; Proteins</td>
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<tr>
<td>A12 Fluids and Secretions</td>
<td>C12 Male Urogenital Diseases</td>
<td>D13 Nucleic Acids, Nucleotides, &amp;</td>
</tr>
<tr>
<td>A13 Animal Structures</td>
<td>C13 Female Urogenital Diseases &amp; Pregnancy</td>
<td>Nucleosides</td>
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<tr>
<td>A14 Stomatognathic System</td>
<td>Complications</td>
<td>D14 Complex Mixtures</td>
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<tr>
<td>A15 Hemic and Immune Systems</td>
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<td>D20 Biologic Factors</td>
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<td>A16 Embryonic Structures</td>
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<td>D23 Biomedical and Dental Materials</td>
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<td>A17 Integumentary System</td>
<td></td>
<td>D25 Pharmaceutical Preparations</td>
</tr>
<tr>
<td>A18 Plant Structures</td>
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<td>D26 Chemical Actions and Uses</td>
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<tr>
<td>A19 Fungal Structures</td>
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<tr>
<td>A20 Bacterial Structures</td>
<td></td>
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<tr>
<td>A21 Viral Structures</td>
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<table>
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<tr>
<th><strong>B Organisms</strong></th>
<th><strong>C Diseases</strong></th>
<th><strong>D Chemicals &amp; Drugs</strong></th>
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</thead>
<tbody>
<tr>
<td>B1 Eukaryota</td>
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<td>B2 Archaea</td>
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<td>B3 Bacteria</td>
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<td>B4 Viruses</td>
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<tr>
<td>B5 Organism Forms</td>
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</tbody>
</table>
Other Categories Include:

Analytical, Diagnostic, & Therapeutic Techniques & Equipment

Psychiatry and Psychology

Biological Sciences

Natural Sciences

Anthropology, Education, Sociology & Social Phenomena

Technology, Industry, Agriculture

Information Science

Named Groups

Health Care

Publication Characteristics

Geographic Locations
Create a Search Strategy Plan

Identify the question and key concepts:

**advanced nursing practice and trends in graduate nursing education**

Write the search program using medical subject headings (MeSH)
Enter **advanced nursing practice**

(Note: If there is a Boolean OR relationship, start with the “OR” statement first.)

and click **Search**
**Advanced Practice Nursing**

Evidence-based nursing, midwifery and healthcare grounded in research and scholarship. Practitioners include nurse practitioners, clinical nurse specialists, nurse anesthetists, and nurse midwives.

Year introduced: 2010
Tree Structures are **MeSH** terms arranged in a hierarchy.
Terms are listed from broadest to narrowest. If Advanced Practice Nursing yields zero results, try using a broader term such as: Nursing.
Click Add to search builder
The first MeSH term is in the search program “box”
Advanced Practice Nursing
Evidence-based nursing, midwifery and healthcare grounded in research and scholarship. Practitioners include nurse practitioners, clinical nurse specialists, nurse anesthetists, and nurse midwives.

Enter graduate nursing education and click Search.
**Sub-headings** narrow the “meaning” of a MeSH term. They are a “subset” of all the articles under the MeSH term: *Education, Nursing, Graduate*
1) Check the box next to the subheading.
83 SUBHEADINGS:

- abnormalities
- administrations & dosage
- adverse effects
- agonists
- analogs & derivatives
- analysis
- anatomy & histology
- antagonists & inhibitors
- biosynthesis
- blood
- blood supply
- cerebrospinal fluid
- chemical synthesis
- chemically induced
- chemistry
- classification
- complications
- congenital
- contraindications
- cytology
- deficiency
- diagnosis
- diagnostic use
- diet therapy
- drug effects
- drug therapy
- economics
- education
- embryology
- enzymology
- epidemiology
- ethics
- ethnology
- etiology
- genetics
- growth & development
- history
- immunology
- injuries
- innervation
- instrumentation
- isolation & purification
- legislation & jurisprudence
- manpower
- metabolism
- methods
- microbiology
- mortality
- nursing
- organization & administration
- parasitology
- pathogenicity
- pathology
- pharmacokinetics
- pharmacology
- physiology
- physiopathology
- poisoning
- prevention & control
- psychology
- radiation effects
- radiography
- radionuclide imaging
- radiotherapy
- rehabilitation
- secondary
- secretion
- standards
- statistics & numerical data
- supply & distribution
- surgery
- therapeutic use
- therapy
- toxicity
- transmission
- transplantation
- trends
- ultrasonography
- ultrastructure
- urine
- utilization
- veterinary
- virology
Click "Add to search builder"
Boolean Logic - AND

advanced nursing practice and education, nursing, graduate/trends
Final Search Strategy

Click Search PubMed
Search Results
PubMed identifies 29 articles
Select Filters such as English
...and published during the last 5 years.
Results are reduced From 29 to 22
Click Show additional filters
Scroll to article # 18
Select article(s).
Click Display Settings:
1. Select Abstract.
2. Change to Pub Date to sort to most recent articles appearing first.
3. Then click **Apply**.
The Doctor of Nursing Practice: a national workforce perspective.

Cronenwett L, Dracup K, Grey M, McCaulley L, Meleis A, Salmon M.

University of North Carolina at Chapel Hill, School of Nursing, Chapel Hill, NC 27599, USA. lcronenwett@unchealth.unc.edu

Abstract

In 2004, the American Association of Colleges of Nursing (AACN) adopted a position statement concerning the future of advanced practice nursing education. A target date of 2015 was articulated as the point by which master’s preparation for advanced practice nurses would be replaced by doctoral level education. Seismic shifts in the realities surrounding nursing education and practice have occurred since the proposal to require a Doctor of Nursing Practice (DNP) degree for entry into advanced practice nursing was proposed. Unprecedented economic challenges have resulted in significant budget downturns for all sectors, including higher education. The consequent cutbacks, furloughs, and restructuring in educational operations of all types have placed enormous demands on faculty, staff, and students across the country. In addition, the growing incidence and earlier onset of chronic disease, a rapidly aging population, health care reform agendas, a shortage of primary care practitioners, and projected severe shortages of nursing faculty have raised fundamental questions about the capacity of nursing education to produce the numbers of advanced practice nurses needed. This article addresses the changing realities and growing concerns associated with the future of advanced practice nursing. Recommendations to ensure continuing development of advanced nursing practice that serves the interests and needs of the public now and in the future are presented within the context of a national workforce perspective.
MeSH Database searches only the MeSH terms for:

- advanced practice nursing
- education, nursing, graduate/trends

AND
Look at subject headings in the MeSH Terms Index for additional terms.

You may want to write a new search program using:

Program Evaluation
Click **Send to:** and select

*File* to save citations to a file on your computer or

*Clipboard* to temporarily store selected citations or

*E-mail* to send citations to self or colleague
The Doctor of Nursing Practice: a national workforce perspective.

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Comment


PMID: 21525853 [PubMed - indexed for MEDLINE]

MeSH Terms

Advanced Practice Nursing/education* Economics, Nursing Education, Nursing, Graduate/friends* Health Manpower Health Personnel/Trends Humans Internationality Program Evaluation United States
Linking to Full-Text Articles in Electronic Journals
When Searching from Off Campus:

Enter the *Eraider username and password* assigned to you by Information Services.

**Problems** with eRaider call: 806-743-1234 or email them at ITsolutions@ttuhsc.edu Monday-Friday 8:00 am to 6:00 pm
Select location
Enter article information
Click PDF
The Doctor of Nursing Practice: A national workforce perspective

Linda Cronenwett, PhD, RN, FAAN\textsuperscript{a,b}, Kathleen Dracup, DNSc, RN, FAAN\textsuperscript{b}, Margaret Grey, DrPH, RN, FAAN\textsuperscript{c}, Linda McCauley, PhD, RN, FAANHN, FAAN\textsuperscript{d}, Afaf Meleis, PhD, FAAN\textsuperscript{e}, Maria Salmon, ScD, RN, FAAN\textsuperscript{f}

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In 2004, the American Association of Colleges of Nursing (AACN) adopted a position statement concerning the future of advanced practice nursing education. A target date of 2015 was articulated as the point by which preparation for advanced practice nurses would be replaced by graduate education. Seemingly, shifts in the realities surrounding nursing practice have occurred since the proposal to require a Doctor of Nursing Practice (DNP) degree for entry into advanced practice nursing was proposed. As a result, potential economic challenges have resulted in significant budget cuts in all sectors, including higher education. The consequent curtailments, restructuring in educational operations of all types have placed demands on faculty, staff, and students across the country. In this setting, growing incidence and earlier onset of chronic disease, a rapidly evolving health care reform agenda, a shortage of primary care providers and projected severe shortages of nursing faculty have raised questions about the capacity of nursing education to produce the advanced practice nurses needed. This article addresses the challenges and growing concerns associated with the future of advanced practice nursing. Recommendations to ensure continuing development of advanced practice practice that serves the interests and needs of the public now and in the future are presented within the context of a national workforce perspective.
Other Searching Features

1) MeSH, phrase, & title word searching
2) Truncation
Enter **human genome** and click **Search**.
1) Check the box next to the MeSH heading

2) Select AND

3) Then click Add to search builder
Click Search PubMed
Enter "dark matter" and click Search
PubMed identifies 7 articles
Enter "dark matter" [ti] and click Search.
Results are narrowed to 5
Truncation
Enter gene* to truncate.
My NCBI
About a My NCBI Account

A My NCBI account will allow you to:

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NOTE: you will NOT receive any spam as a result of this account.

This account is for databases from the National Library of Medicine including PubMed.
Sign into NCBI
Register for an account

Select a username and password
- Username:
- Password:
- Repeat password:

Contact information
- E-mail:

In case you forget your password
Please provide a question and answer that you can use to unlock your account:
- Question:
- Answer:

Please type the following characters: [Image of CAPTCHA]

Create account
Verifying Your My NCBI Account
Verifying Your My NCBI Account

1) Open the email address you put in the contact information.

2) There will be a message from NCBI.

3) Click the link or copy and paste the verification URL into the web address bar and enter.

4) Your account will be verified by the National Library of Medicine.

5) **NOTE:** You will not receive any spam as a result of this account.
Visit this web site to verify you’re My NCBI account.
Search Filters
Click **My NCBI**
Click Manage Filters
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<td>Review</td>
<td>articles that review the literature on a subject</td>
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</table>

Select English & Humans

Select Properties
Under Publication Types select
Under Subsets select

- Nursing Journals
- Systematic Reviews
You may select up to 15 filters. These selections override the default filters of Review and Free Full Text. These filters apply to searches run while signed into your My NCBI account.
Example of results with customized filters
Example of results with standard filters
Save Search
Click Save Search
Click **Save** to receive automatic email updates of newly published articles on this topic.
Select when and how often you wish to receive updates, report format, and number of results.
Search NCBI databases

Search: PubMed

Hint: clicking the "Search" button without any terms listed in the search box will transport you to that database's homepage.

My Bibliography

Your bibliography contains no items.

Use the "Send to > My Bibliography" menu in PubMed to add citations,
OR
Click here to manually create citations.

Collections

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<th>My Bibliography</th>
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