Nursing Research:
Reading, Using, and Creating Evidence

Featured Presenter: Janet Houser, PhD

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My Experience…

- A staff nurse, nurse practitioner, nurse administrator, and nurse researcher
- PhD in Applied Statistics and Research Methods
- Taught at undergraduate and graduate levels for nearly a decade
- Coursework: Research Methods, Evidence-Based Practice, Statistics and Biostatistics
The Importance of Nursing Research

- Nurses are accountable for patient outcomes
- We are a part of the healthcare team
- Consumers demand safe, effective care
- IOM goal: by 2020, 90% of clinical decisions based on evidence
- Because we’re a profession…
My Experience with Research Textbooks…

• Complex and Dense writing
• Little support for online coursework
• Tried to serve both UG and Grad
• [and didn’t do either particularly well]
An Applied Approach to Nursing Research

- Focused on reading and using research as evidence for professional nursing practice
- Follows the “bedside science” model
- No artificial tension between qualitative and quantitative research
- Demonstrates models for academic-practice partnerships
Why I chose this approach...

- Written in a conversational tone
- Specifically intended for undergraduates
- Multiple features that make the complex more understandable
- Rich online support available
Who is this text written for?

- Undergraduate nursing students
- Post-licensure nursing students
- Supplement for graduate students
- A resource students will keep on their bookshelf
Nursing research as a basis for evidence-based practices

Covers both qualitative and quantitative research in equal depth – and not in opposition
Approaches EBP as a 3-legged stool:

- Best available research
- Expertise of practicing nurses
- Desires and preferences of the patient
A Logical Progression

- Concepts applying to all research and evidence
- Planning for research
- The research process
- Research that describes populations
- Research that measures effectiveness
- Research that describes the meaning of experience
- Research translation and EBP models
Chapter Structure

• Chapter objectives
• Key terms – repeated in margin notes
• Voices / Scenes from the Field
• Subject overview
• Guidelines for reading and evaluating subject
• Using the research in practice
• Creating a basic research study
• Critical Appraisal Exercise
How this text is different...

- Written in clear, unambiguous language with multiple examples for application
- Focus on topics not usually included:
  - Research ethics and legal issues
  - Technology in data collection and analysis
  - Translational research and communicating results
- Useful, straightforward tools
What I hear from faculty

• The features and chapter structure make the content easier to present and understand.

• Navigate 2 makes course design and management efficient. Digital assets make populating online courses less burdensome.

• Can be used in multiple course formats and lengths, including accelerated courses.
What I hear from students

• Easy to understand and apply the concepts
• Gray matter particularly helpful as a study guide
• Critical appraisal exercises help with immediate application
• “Voices” features engaging and helpful
New to the Fourth Edition

• EBP in the context of the IOM call for Nursing’s Future
• Diversity considerations: vulnerable populations
• Evidence-based ways to improve response rate
• Additional means of assuring trustworthiness in qualitative studies
What you won’t get anywhere else

• Expanded content related to ethics
  – The newest recommendations for animal research
  – Issues involved in using data warehouses
  – Discussion of ethics of using cell lines
  – Ethical concerns of using social media for data collection

• Advice for being a culturally competent researcher
What you won’t get anywhere else

• Expanded content on accepted modifications to the PICO question

• Non-traditional approaches to drawing representative samples

• Contemporary thinking on online response rate calculation / “effective sample size”

• Applied research focus (e.g., scoping reviews)
What you won’t get anywhere else

• Major revision focused on use of technology in the research and EBP process
  – Web-based data collection
  – Contemporary methods e.g., apps, text messaging, social media technology
  – Big data warehouses and data science
  – Photovoice technology for qualitative research
Delivery Methods Supported

- Extensive online resources for faculty
- Exercises that can be adapted online / discussion threads / learning tools
- Text length specifically based on variety of class periods
- Team-based learning and problem-based learning supported by the text
Tips for teaching this content

• Use Navigate 2 to assess comprehension of course materials
• Mobile-ready course materials
• Maximize use of case studies and critical appraisal exercises
• Base class time exercises on skill builders
• Use the “where to look” feature to study an article along with the checklist
Other Resources for Students

**eBook**

- **Learn.** Read your digital textbook online or offline, enhance your learning with interactive tools, and make personal notes. The eBook provides a personal, interactive, and collaborative learning experience on computers, tablets, and mobile devices.

**Study Center**

- **Practice.** Reinforce your comprehension of course materials with practice activities in this virtual study center. It is open during nights and weekends too!

**Assessments**

- **Assess.** Evaluate your comprehension of course materials in this homework and testing center with quizzes and examinations.

**Analytics**

- **Analyze.** Use actionable data to determine where to focus your study time and what to review. It will also help you decide how to prepare for assessments and which learning tools to utilize.
Navigate 2 Advantage Access

- FREE with each new textbook purchase!
- Comprehensive eBook
- Case Studies
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- Assessments
- Instructor Resources
- Learning Analytics & Reporting Tools

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This is important work!

We’re creating the next generation of nurse scientists here!