

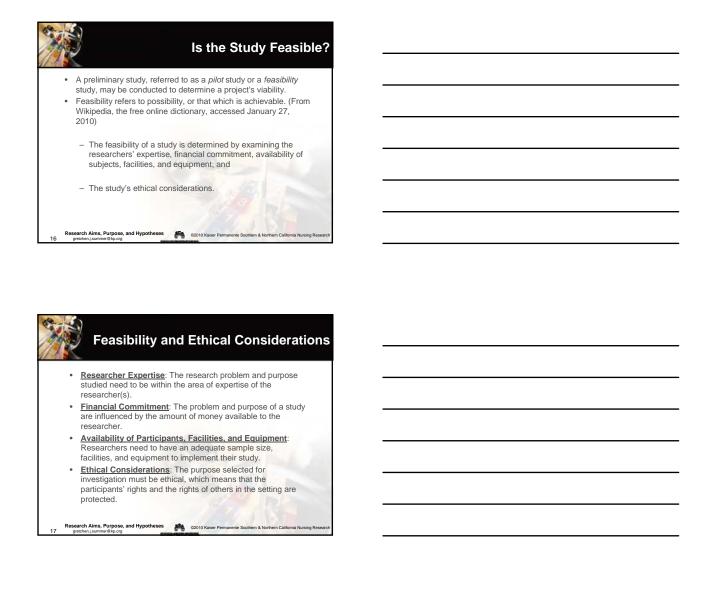




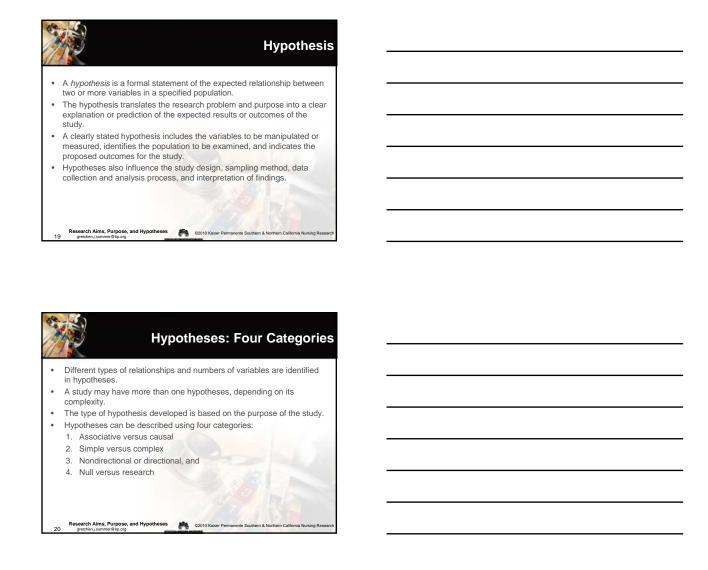
Research Designs Different types of research designs enable nurses to investigate a variety of research problems and purposes. · There are two primary types of research designs: Qualitative Research: A statement of purpose for a qualitative study may imply a flexible design through the use of verbs such as understand, discover, and develop. **Quantitative Research:** In contrast, a purpose statement indicating that the purpose is to *test* the effectiveness of an intervention or to *compare* two alternative nursing strategies suggests using a quantitative methodology and perhaps a design with tight scientific • Mixed Methods or Triangulation: Using more than one research Research Aims, Purpose, and Hypotheses 2010 Kaiser Permanente So **Qualitative Research** In qualitative studies, the statement of purpose indicates the nature of the inquiry, the key concept or phenomenon under investigation, and the group, community or setting under study. **Example: Statement of Purpose** in a Qualitative Study "The purpose of this study is to describe the decision-making process of adult children with regard to the placement of elderly parents in nursing homes" (Polit & Hungler, 1997, p. 73). This purpose statement indicates that the central phenomenon of interest is the decision-making process relating to nursing home placements, and the group under study is adult children with parents in need of care.

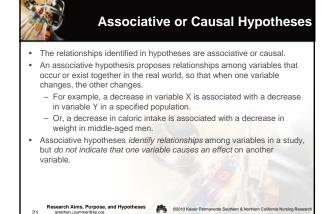
Example: Statement of Purpose in a Quantitative Study In a quantitative study, the statement of purpose should identify the key study variables and their possible interrelationships, as well as the nature of the population of interest. For example: "The purpose of this research was to investigate the effect of renal transplant patients' dependency level on their rate of recovery.' (Polit et al., 1997, p. 72)". This purpose statement indicates the population of interest (renal transplant patients), the independent variable (the patients' dependency level), and the dependent variable (rate of recovery). Research Aims, Purpose, and Hypotheses For more information http://nursingpathways.kp.org/ Part 7 focuses on variables scal/research/resources/resear chseries/index.html · Part 8 focuses on qualitative research Nursing Research Series Essentials of Science: · Part 9 focuses on quantitative Methods, Appraisal and descriptive research Utilization Part 10 focuses on quantitative experimental or interventional research Research Aims, Purpose, and Hypotheses How to Critique a Research Study: Is it Significant? A research study is *significant*—that is, *important*—in nursing when it has the potential to generate or refine relevant knowledge for practice. While critiquing the significance of the problem and purpose of a published study, you need to determine whether the knowledge generated in the study: Influences nursing practice Builds on previous research Promotes theory testing or development, or

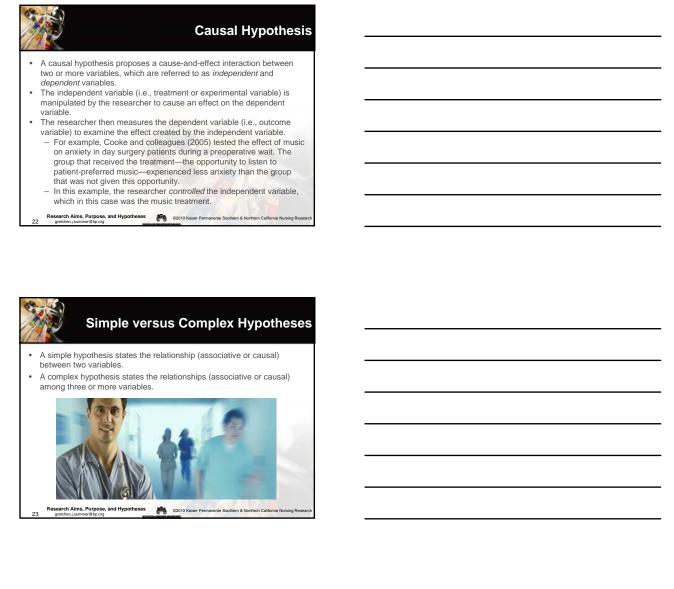
 Addresses current concerns or priorities in nursing

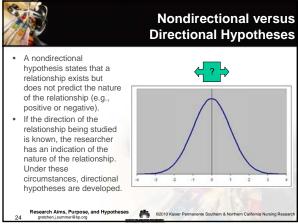


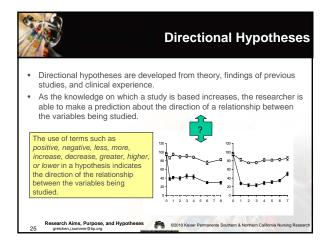


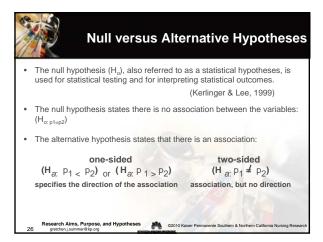


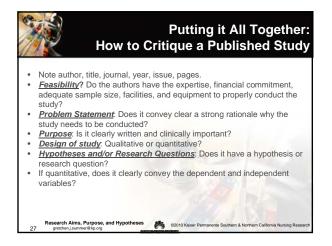






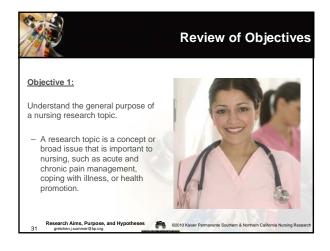


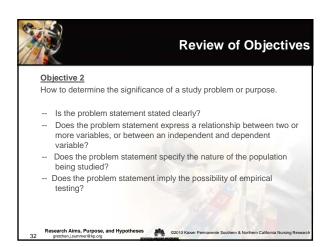


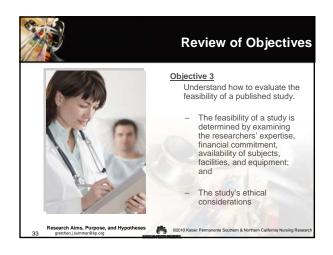


How to Critique continued	
Literature Review: Does the study include a brief overview of	
recent literature (i.e., state of the science) regarding the research topic? • Variables: Are there variables? If so, what is the independent	
variable and what is the dependent variable? — Is there a description of how the treatment/independent variable is delivered? (e.g., length of time, frequency of intervention, dose of intervention.) How are data/dependent measures collected? (e.g., frequency, mailed, interviews, etc.) • Research Methodology: — Setting: What is the setting for the research? (e.g., acute care	
hospital, geographic location, etc.) — <u>Participants</u> : Inclusion criteria, participants (e.g., age, gender, illness/medical condition, etc.)	
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How to Critique continued	
 <u>Design</u>: If quantitative, is it experimental, quasi-experimental, descriptive, or correlational? Are participants assigned to treatment or standard treatment (i.e., control group) 	-
 Measurement: How is the dependent variable being measured? Questionnaires; bio-instrumentation, laboratory values, etc. What is the reliability (consistency) and validity (accuracy) of each? Do the authors report reliability and validity of instruments, questionnaires, etc.? 	
— <u>Procedures</u> : What method was used to identify and recruit participants?	
 <u>Ethical considerations</u>: Was the study reviewed by the IRB or was the study found to be exempt from IRB review? Were the subjects informed before they consented to participate in the study, etc.? 	
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focuses on quantitative descriptive research Part 10 of this research series focuses on quantitative experimental or interventional

research



