

**Nursology:
Evolution of Philosophic, Conceptual,
Theoretical, and Empirical Challenges:**

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Evolution and Challenge: Definitions

Evolution

Transitions over time, a process of gradual change in the development of a subject, typically from relatively simple to a more complex subject matter.

Challenge

Questioning or disputing current thinking about subject matter

(Oxford English Dictionary Online)

Nursology: The Name of our Discipline

Nursology

“The study of nursing aimed towards the development of nursing theory” (Patterson, 1971, p. 143).

Nursologists

Members of the discipline of nursing

Clinicians

Researchers

Educators

Administrators

Evolution of Nursologists

From

Primitive mothers and Wise women

To

Advanced practice nurses

Doctor of Nursing Practice degree (DNP)

And

Research nurses

Doctor of Philosophy degree (PhD)

Evolution of Research Paradigms as Philosophic Challenges

From

Positivism

To

Postpositivism

To

Interpretive

To

Critical social theory

To

Pragmatism

Evolution of Research Paradigms as Philosophic Challenges

Positivism

Postpositivism

Evolution of Research Paradigms as Philosophic Challenges

Interpretive research paradigm

-Associated research paradigms

***Constructivism**

***Critical realism**

***Dialectics**

Evolution of Research Paradigms as Philosophic Challenges

Critical social theory

-Associated research paradigms

***Feminism**

***Transformative-emancipation**

Evolution of Research Paradigms as Philosophic Challenges

Pragmatism

Evolution of Conceptual Models of Nursology as Conceptual Challenges

From

Florence Nightingale

To

Private images of nursing

To

Development of explicit conceptual models of nursology

To

***Acceptance* of the conceptual models**

To

***Use* of the conceptual models**

Evolution of Conceptual Models of Nursology as Conceptual Challenges

**From
Florence Nightingale**

**To
Private images of nursing**

**To
Development of explicit conceptual models of nursology**

Evolution of Conceptual Models of Nursology as Conceptual Challenges

To
Acceptance of the conceptual models

To
Use of the conceptual models

Evolution of Nursological Theories as Theoretical Challenges

From

“Atheoretical” work

To

Borrowed theories

To

Shared theories

To

**Generation and testing of distinctive nursological
theories**

Derived from conceptual models of nursology

Evolution of Nursological Theories as Theoretical Challenges

From
“Atheoretical” work

To
Borrowed theories

To
Shared theories

Evolution of Nursological Theories as Theoretical Challenges

To

**Generation and testing of distinctive nursological
theories**

Derived from conceptual models of nursology

Evolution of Empirical Research Methods as Empirical Challenges

From

Quantitative methods

To

Quantitative vs Qualitative methods

To

Mixed methods

QUAN + qual

Qual + quan

QUAN + QUAL

QUAL + QUAN

Evolution of Empirical Research Methods as Empirical Challenges

From

Quantitative methods

To

Quantitative vs Qualitative methods

Evolution of Empirical Research Methods as Empirical Challenges

To

Mixed methods

QUAN + qual

Qual + quan

QUAN + QUAL

QUAL + QUAN

Creating Conceptual-Theoretical-Empirical Structures: Theory-Generating Research—Qualitative Methods

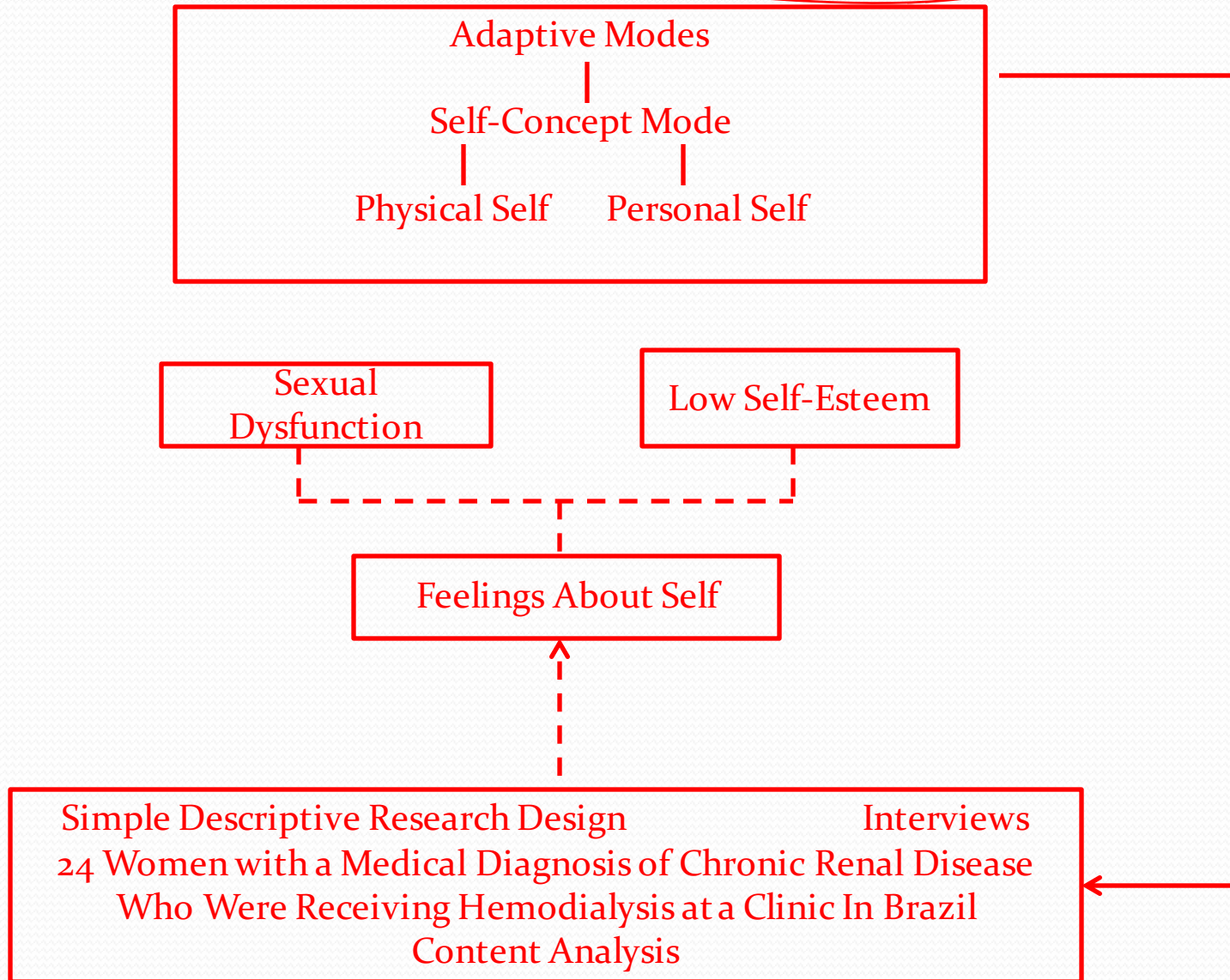
Identify the conceptual model

Identify the relevant conceptual model concept(s)

Link the conceptual model concepts with the empirical research methods

Link the empirical research methods with the themes or categories that emerge from the data

Roy's Adaptation Model



Conceptual-Theoretical-Empirical Structure for Theory-Generating Research: Theory of Feelings About Self Derived from Roy's Adaptation Model

Creating Conceptual-Theoretical-Empirical Structures: Theory-Testing Research—Quantitative Methods

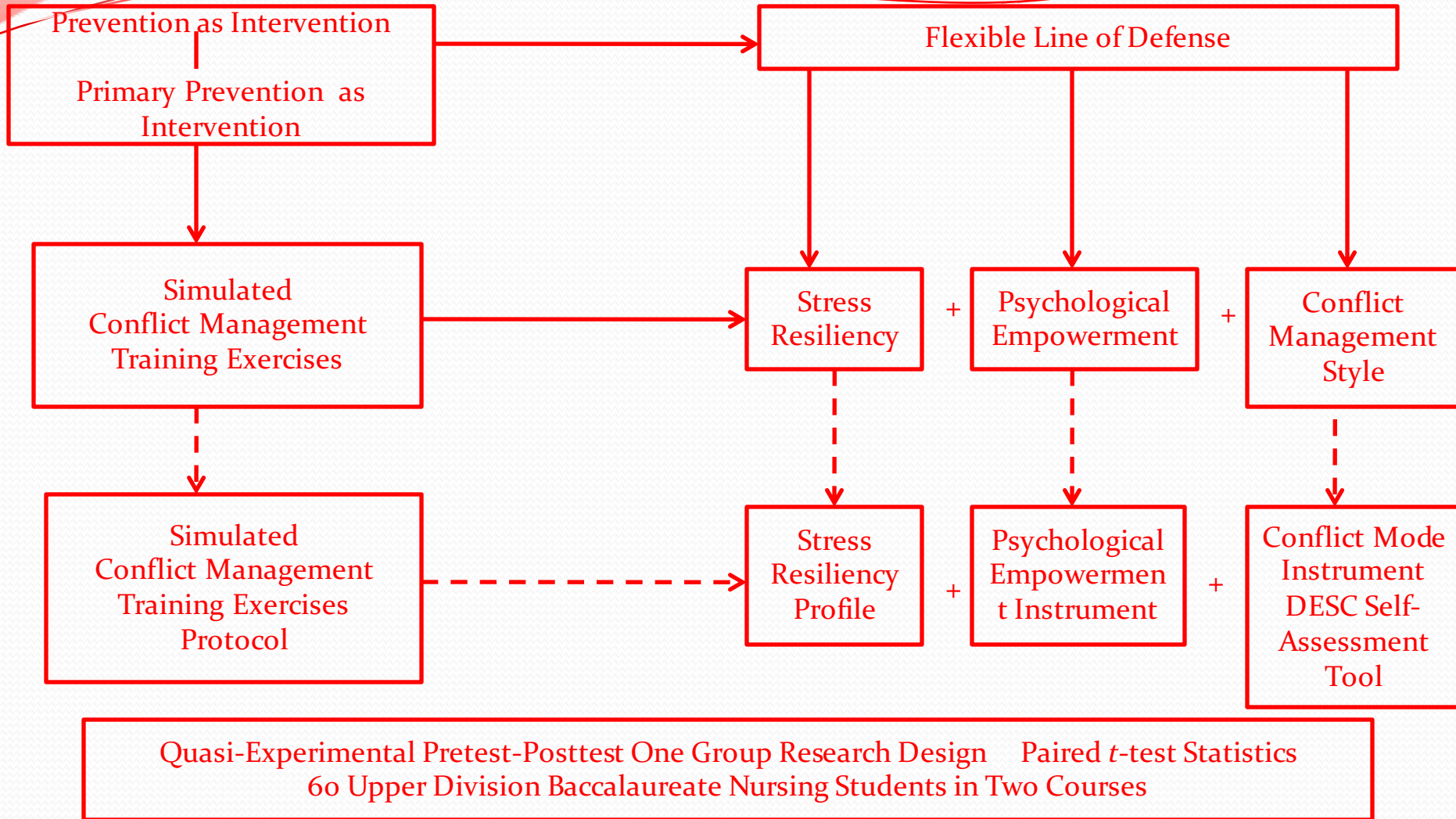
Identify the conceptual model

Identify the relevant conceptual model concept(s)

Link the conceptual model concepts with the theory concepts

Link the theory concepts with the empirical research methods

Neuman's Systems Model



Conceptual-Theoretical-Empirical Structure for Theory-Testing Research: Theory of the Effects of Simulated Conflict Management Training Exercises on Stress Resiliency, Psychological Empowerment, and Conflict Management Style Derived from Neuman's Systems Model

Evolution of Empirical Research Methods as Empirical Challenges

To

Recognition that


Research = Theory Development

And

Research findings = Theory

And

Theory = Evidence

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- Thank you
 - Your questions?

References

- Creswell, J. W., & Plano-Clark, V. L. (2011). *Designing and conducting mixed methods research* (2nd ed.). Los Angeles, CA: Sage.
- Fawcett, J. (2015). Invisible nursing research: Thoughts about mixed methods research and nursing practice. *Nursing Science Quarterly*, 28, 167-168.
- Fawcett, J. (2017). *Applying conceptual models of nursing: Quality improvement, research, and practice*. New York, NY: Springer.
- Fawcett, J., & DeSanto-Madeya, S. (2013). *Contemporary nursing knowledge: Analysis and evaluation of nursing models and theories* (3rd ed.). Philadelphia, PA: F. A. Davis.

References

- Fawcett, J., & Garity, J. (2009). *Evaluating research for evidence-based nursing practice*. Philadelphia, PA: F. A Davis.
- Glogowska, M. (2011). Paradigms, pragmatism, and possibilities: Mixed-methods research in speech and language therapy. *International Journal of Language and Communication*, 46, 251-260.
- Johnson, R. B., & Onwuegbuzie, A. (2004). Mixed methods research: A research paradigm whose time has come. *Educational Researcher*, 33(7), 14-26.
- Nightingale, F. (1992). *Notes on nursing: What it is, and what it is not* (Commemorative ed.). Philadelphia: Lippincott. [Originally published in 1859.]

References

- Oxford English Dictionary. (1894/2016). *Definition of evolution*. Retrieved from <http://www.oed.com/ezproxy.lib.umb/view/Entry/6544?redirectedfrom=evolution+#eid>
- Oxford English Dictionary. (1889/2016). *Definition of challenge*. Retrieved from <http://www.oed.com/ezproxy.lib.umb.edu/view/Entry/30298?rskey=hgcUCc&result=1&isAdvanced=false#eid>
- Paterson, J. G. (1971). From a philosophy of clinical nursing to a method of nursology. *Nursing Research*, 20, 143-146.
- Reilly, D. E. (1975). Why a conceptual framework? *Nursing Outlook*, 23, 566-569.

References

- O'Toole, M. (Ed.) (2013). *Mosby's medical dictionary* (9th ed.). St. Louis: Mosby.
- Popper, K. R. (1965). *Conjectures and refutations: The growth of scientific knowledge*. New York: Harper and Row.
- Roper, N. (1976). A model for nursing and nursology. *Journal of Advanced Nursing*, 1, 219-227
- Shannon-Baker, P. (2016). Making paradigms meaningful in mixed methods research. *Journal of Mixed Methods Research*, 10, 319-334.
- Villarruel, A.M., Bishop, T.L., Simpson, E.M., Jemmott, L.S., & Fawcett, J. (2001). Borrowed theories, shared theories, and the advancement of nursing knowledge. *Nursing Science Quarterly*, 14, 158-163.
- Weaver, K., & Olson, J. K. (2006). Understanding paradigms used for nursing research. *Journal of Advanced Nursing*, 53, 459-469.