



Examples of grand, middle and practical oriented nursing science theories and models

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Learning outcomes of the lecture



Participants identify the difference between nursing philosophies, conceptual models, grand theories, middle and practice oriented theories of nursing science.



Participants understand the purpose and different ways to use and apply nursing science theories.

References

Alligood, MR. (2018). *Nursing Theorists and Their Work*. Elsevier. USA.

Dahnke, MD., & Dreher, HM. (2016). *Philosophy of Science for Nursing Practice*, Second Edition: Concepts and Application. New York: Springer Publishing Company.

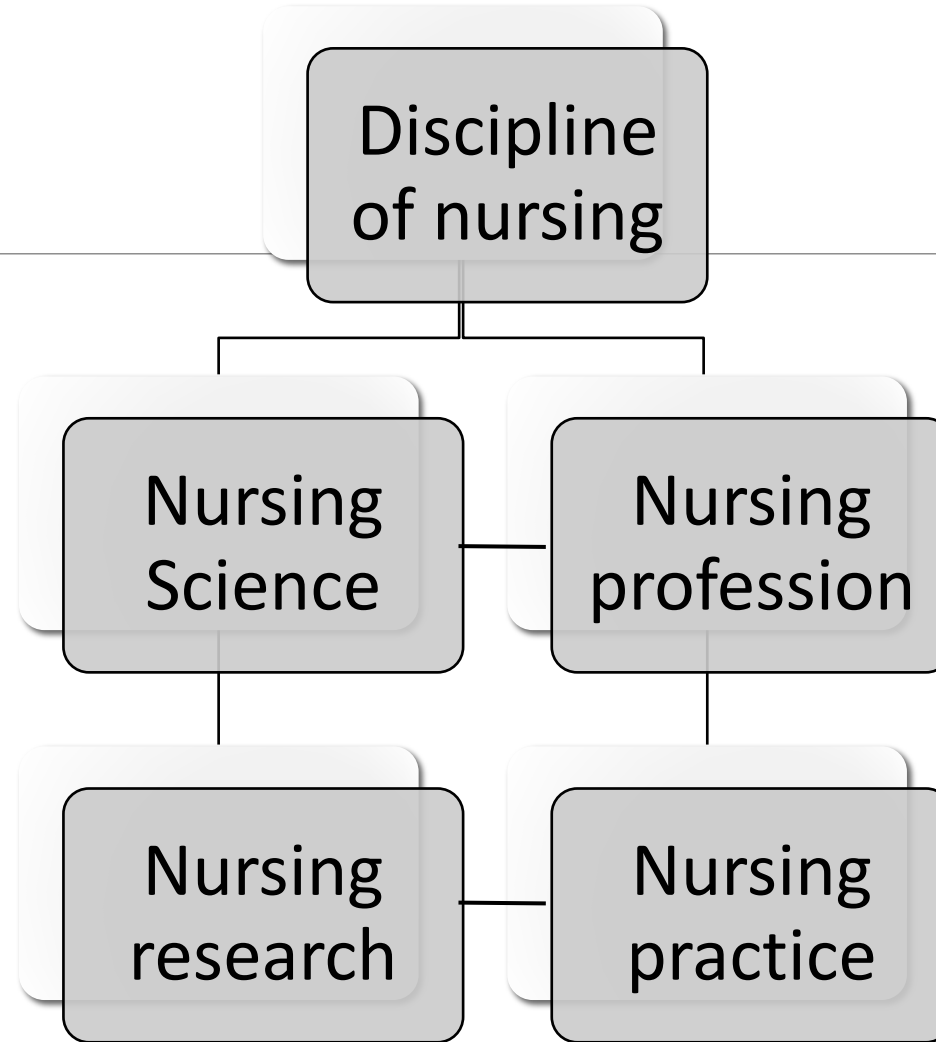
Fawcett, J. (2017a). *Analysis and Evaluation of Contemporary Nursing Knowledge: Nursing models and theories*. Philadelphia: F.A Davis.

Fawcett, J. (2017b). *Applying Conceptual Models of Nursing : Quality Improvement, Research, and Practice*. New York: Springer Publishing Company.

Fain, J. (2017). *Reading, Understanding, and Applying Nursing Research*. F. A. Davis Company, Philadelphia.

McCarthy, G., & Fitzpatrick, J. J. (2016). *Nursing Concept Analysis : Applications to Research and Practice*. Springer Publishing Company.

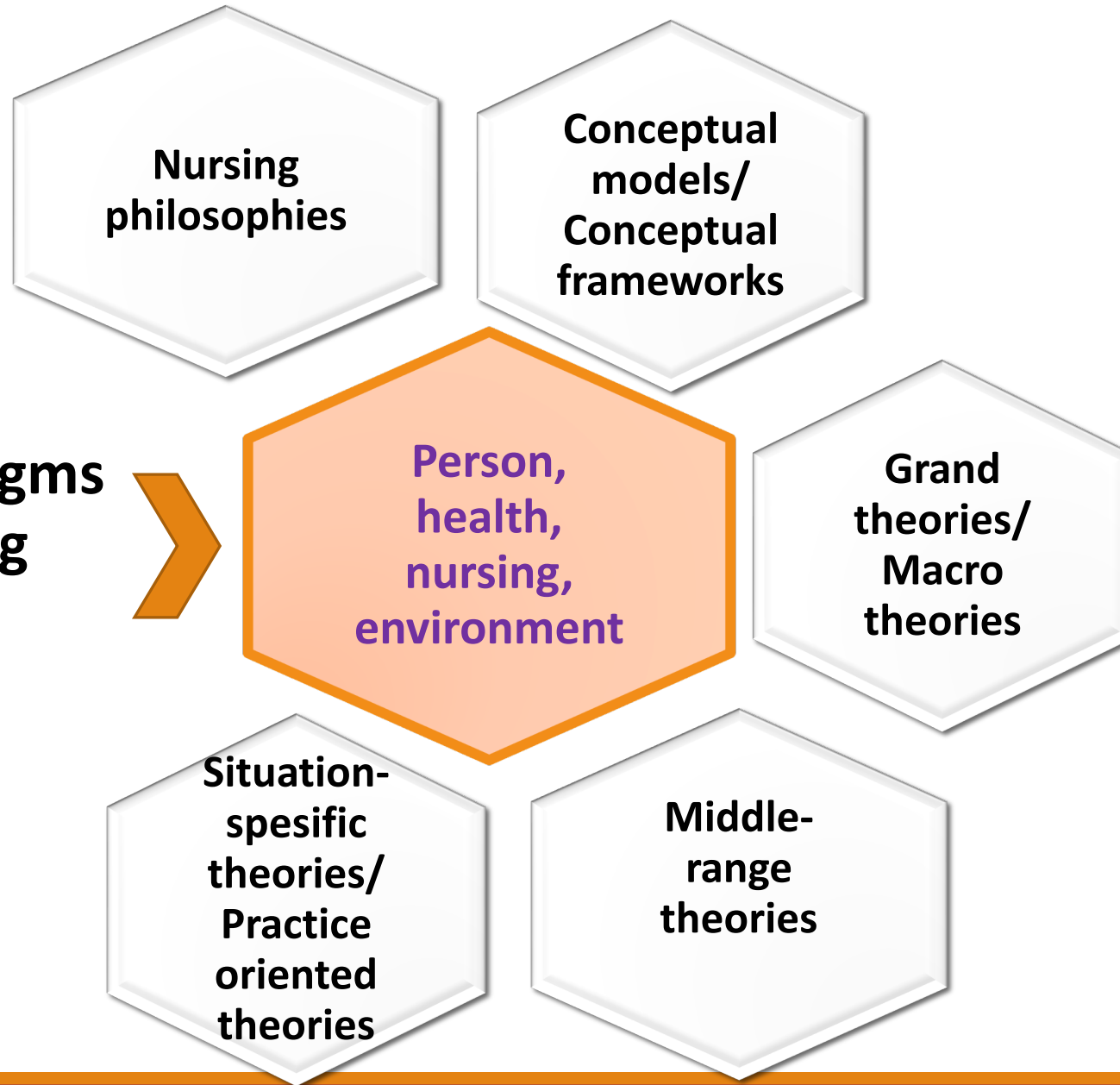
Polit, D., & Tatano Beck, C. (2018). *Essentials of Nursing Research*. Ninth Edition. Wolters Kluwer.



(adapted from Fawcett 2017a, 2017b)



Metaparadigms of nursing science



(Alligood 2018, Polit & Tatano Beck 2018)

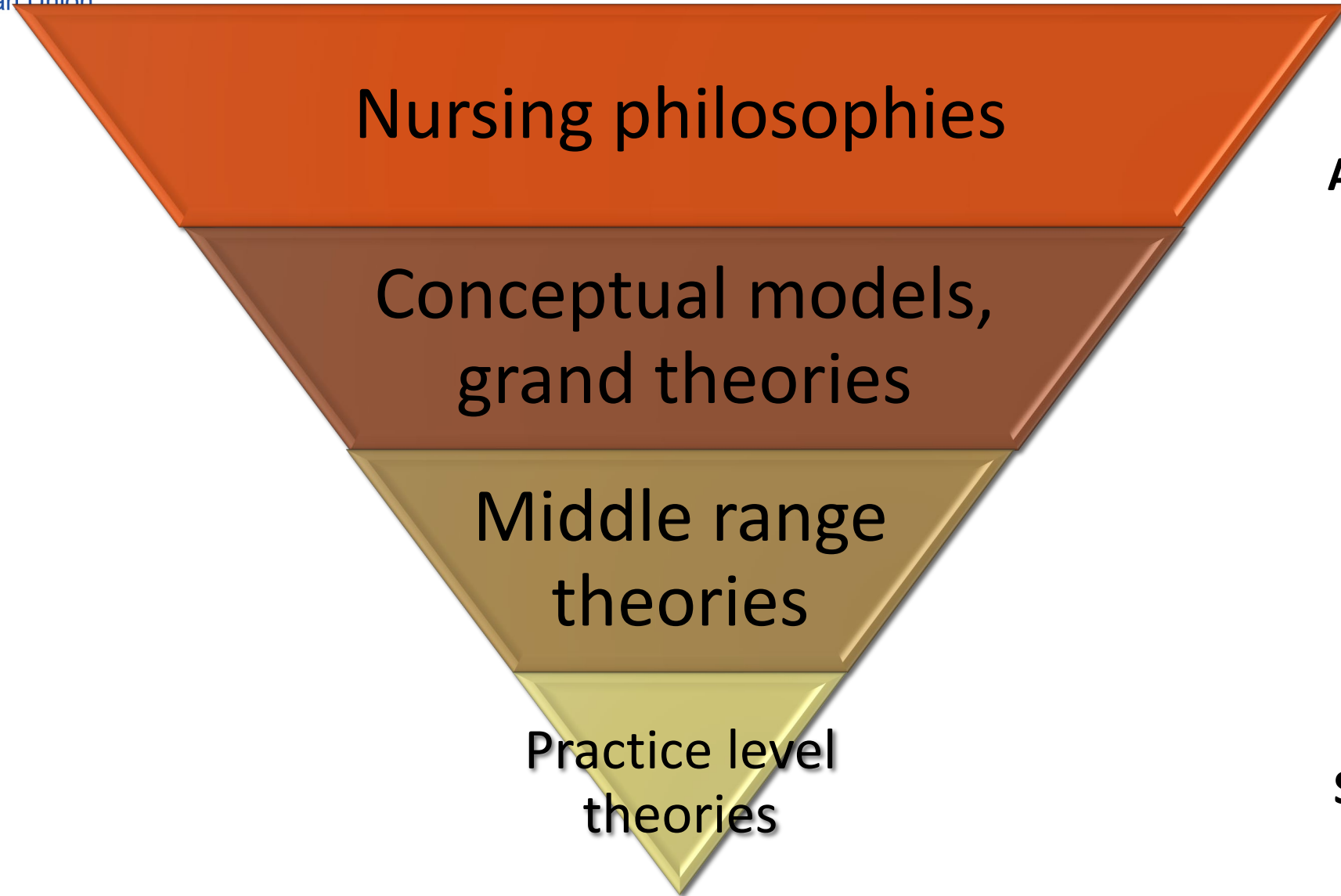


...MORE CONCEPTS

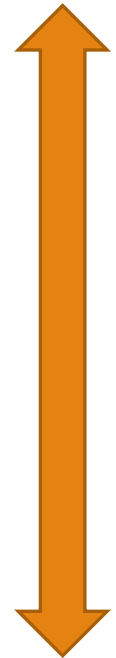
- 1 Theoretical framework
- 2 Conceptual framework
- 3 Conceptual model framework
- 4 Research framework
- 5 Theory, model, conceptual model



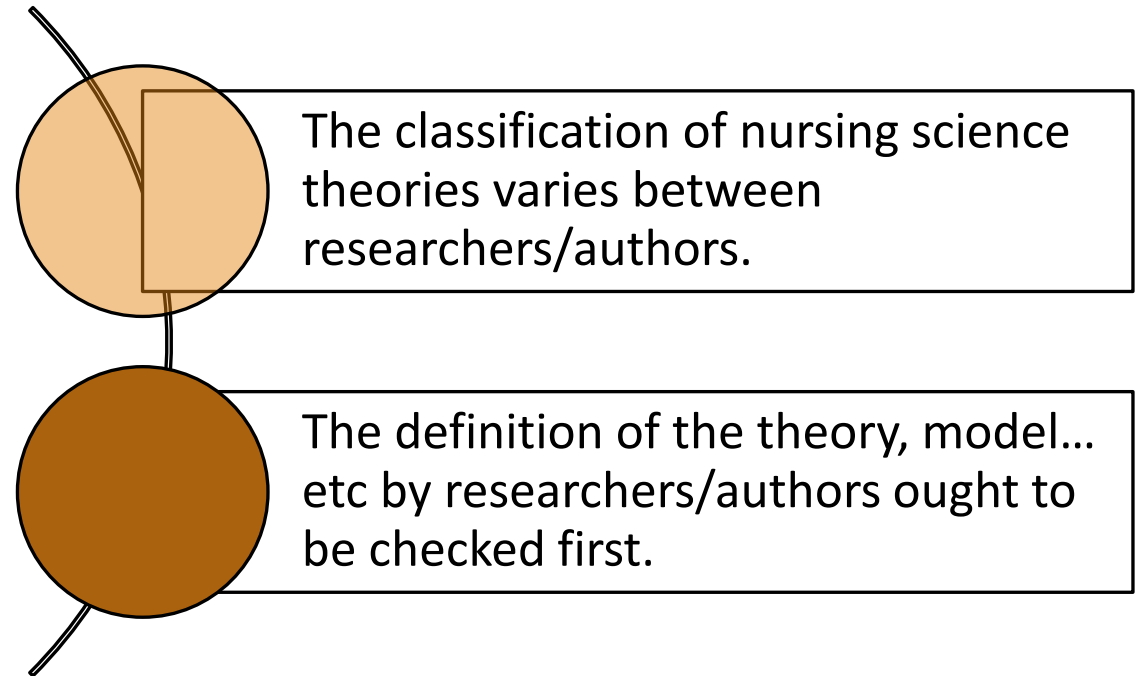
Levels of
nursing
science
theories



ABSTRACT



SPESIFIC





Which term to use?

Nursing science theory

Nursing theory

Theory, model – what's the difference?

Confusion exists, often used interchangeably

Theory represents

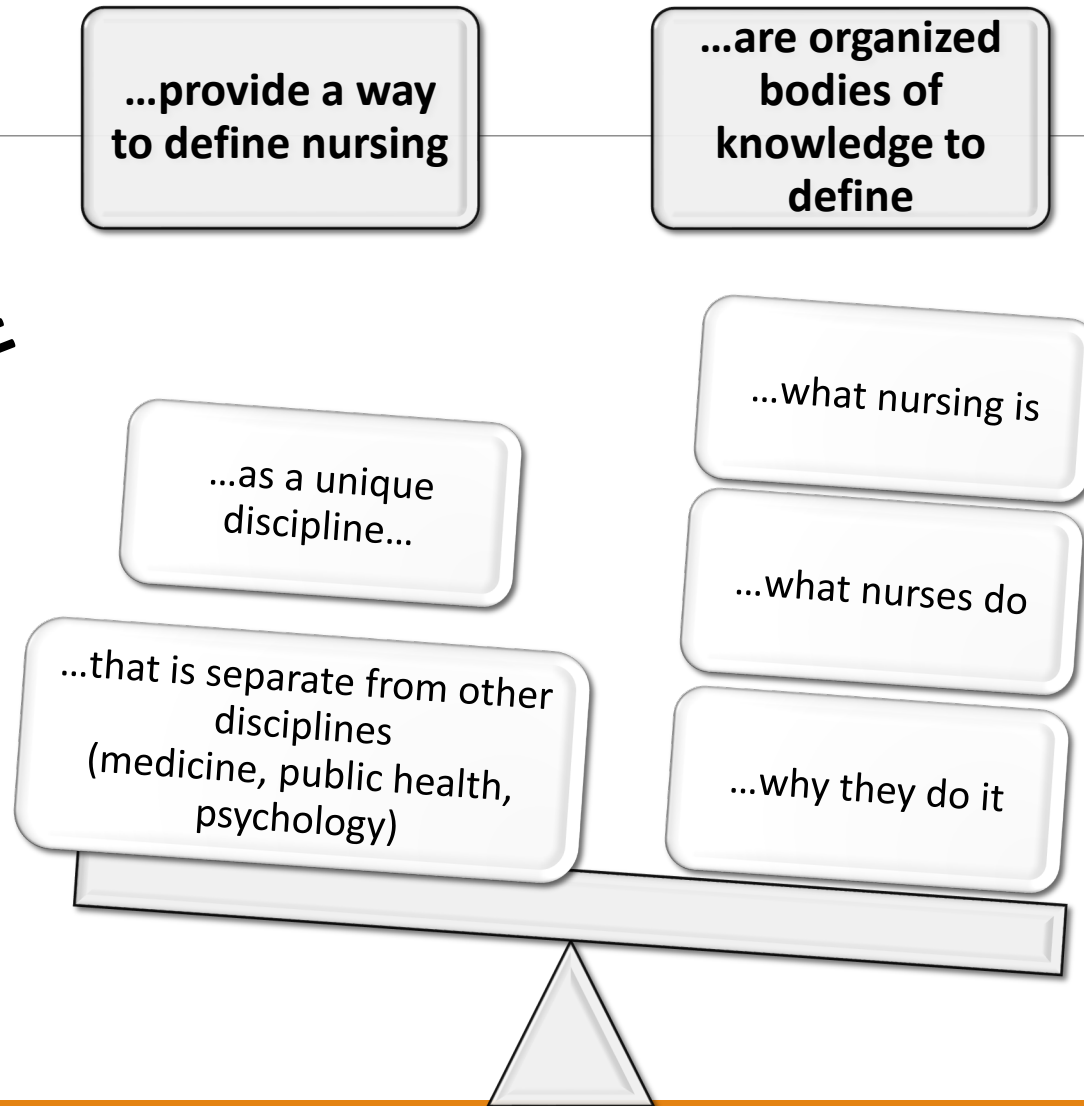
- a set of defined concepts that
- offers a systematic explanation about
- how two or more concepts are interrelated.



(Polit & Beck, 2018; Fawcett 2017b; Alligood 2018)

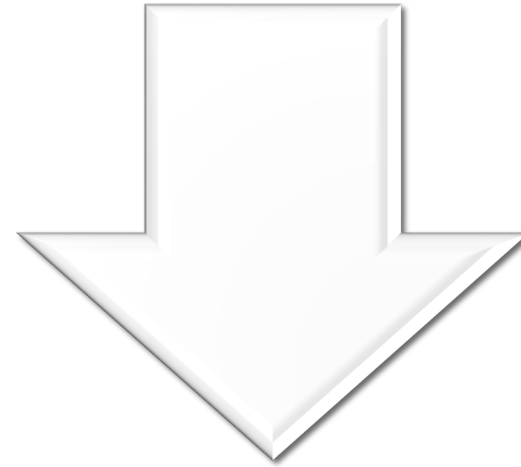


NURSING SCIENCE THEORIES.....

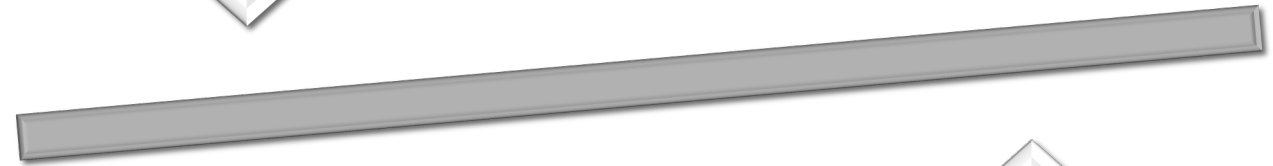




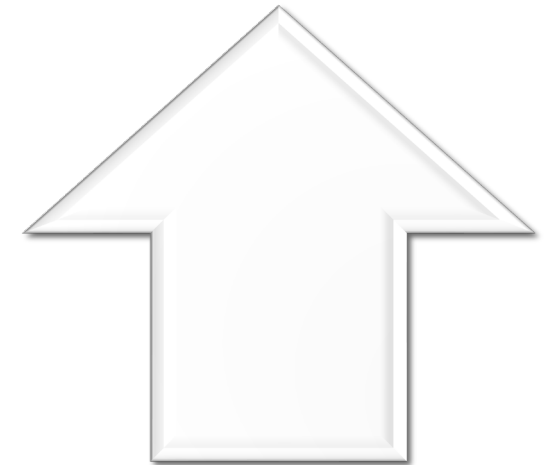
**NURSING SCIENCE THEORIES
ARE FRAMEWORKS OF
CONCEPTS AND
PURPOSES...**

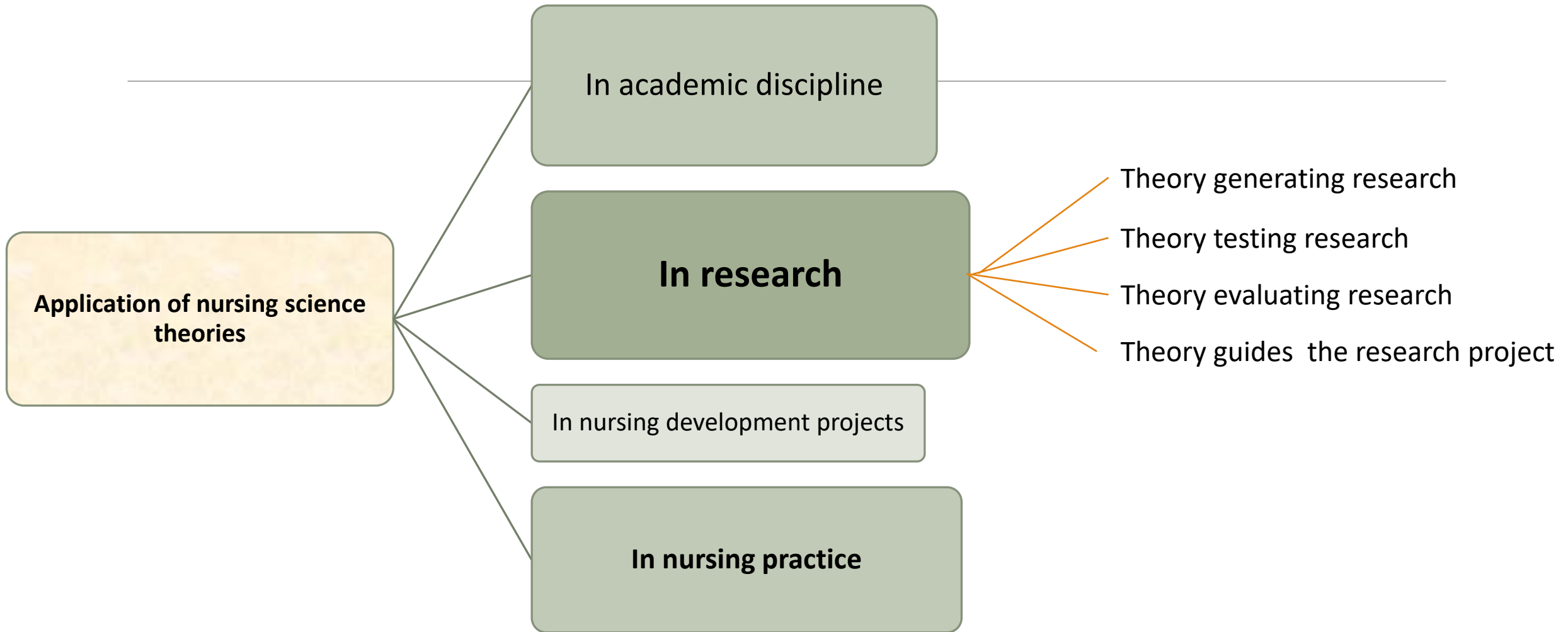


**...intended to
guide the practice
of nursing at a
more concrete
and specific level**



**...intended to
guide nursing
research or test
theories in
research**







Examples how nursing science theories used in research and projects

Roy's Adaptation model:

As a basis for in-depth study of how elderly adults adapt to chronic pain
(Alvarado-Garcia & Salazar Maya 2015)

Health Promotion model:

As the framework for evidence-based project designed to examine the disease management behaviors of patients with epilepsy and to guide the implementation of a self-management protocol for these patients
(Cole and Gaspar 2015)

Mishel's Uncertainty of Illness theory:

As a foundation for exploring uncertainty among chronically ill patients in the intensive care unit
(Cypress 2016)

(Polit & Tatano Beck 2018)

Where nurse theorists come from?

Nightingale – the first
nursing theorist was British

Roper-Logan-Tierney: Model
of Nursing (activities of
living)



Most modern nurse theorists are
based in the USA



Nursing Philosophies

- Gives broad understanding that advance the nursing science as discipline and its professional applications
- Contributes to nursing knowledge, providing directions for the nursing science
- Often quite abstract, broad in scope, complex
- Requires research for clarification



(Alligood 2018)



Examples of Nursing Philosophies

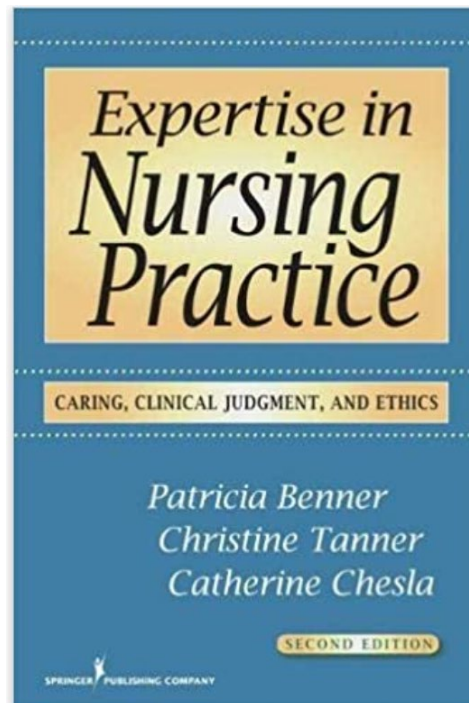
Jean Watson: Watson's Philosophy and Theory of Transpersonal Caring

Patricia Benner: Caring, Clinical Wisdom and Ethics in Nursing Practice

Katie Eriksson: Theory of Caritative Caring



Benner: Caring, Clinical Wisdom and Ethics in Nursing Practice



PHILOSOPHICAL BACKGROUND



Henderson (Nursing science theorist)

Heidegger, Gadamer (Philosophers)

Dreyfus's model: developed the skill acquisition model by studying the performance of chess masters and pilots

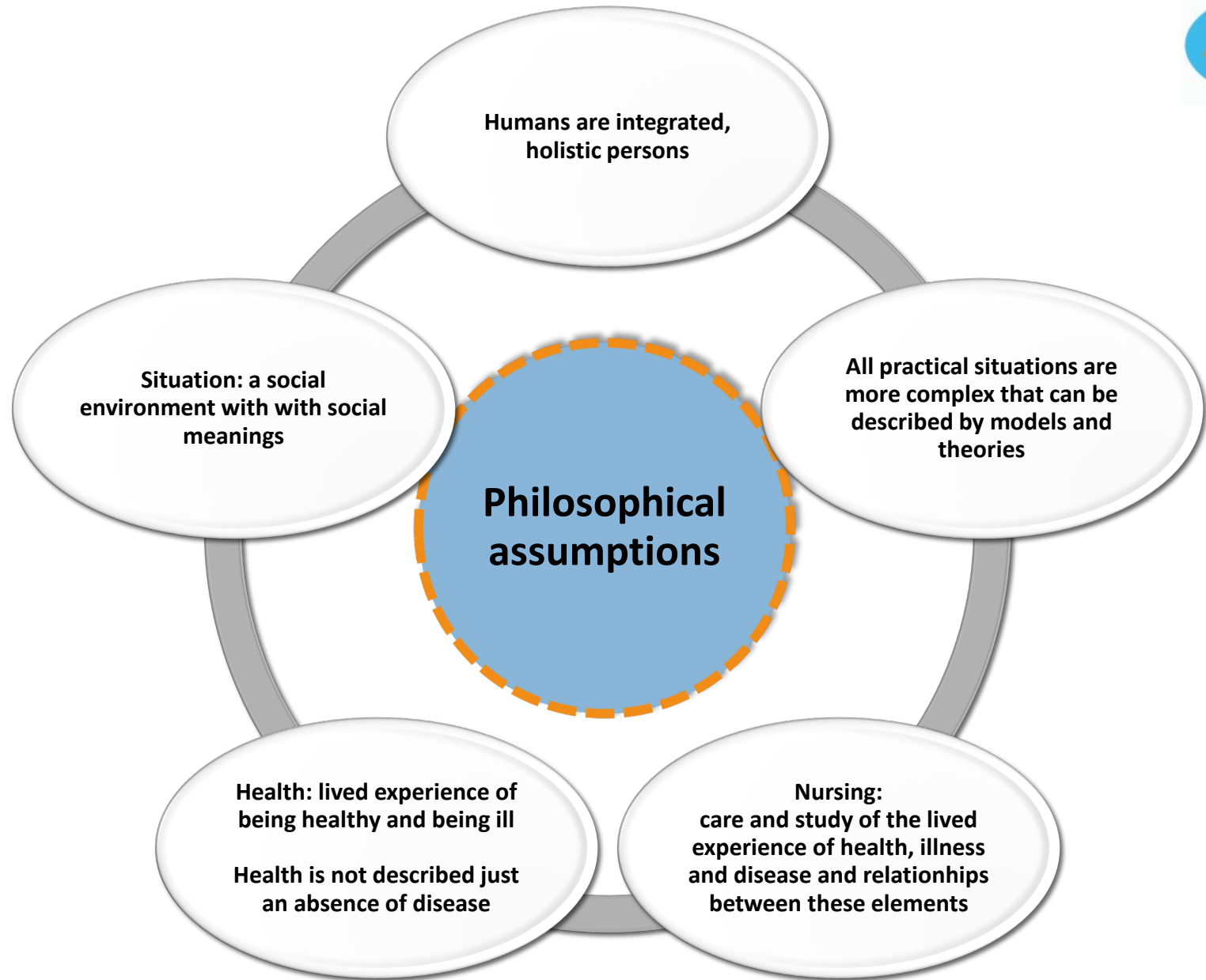


A few milestones of
Benner's production



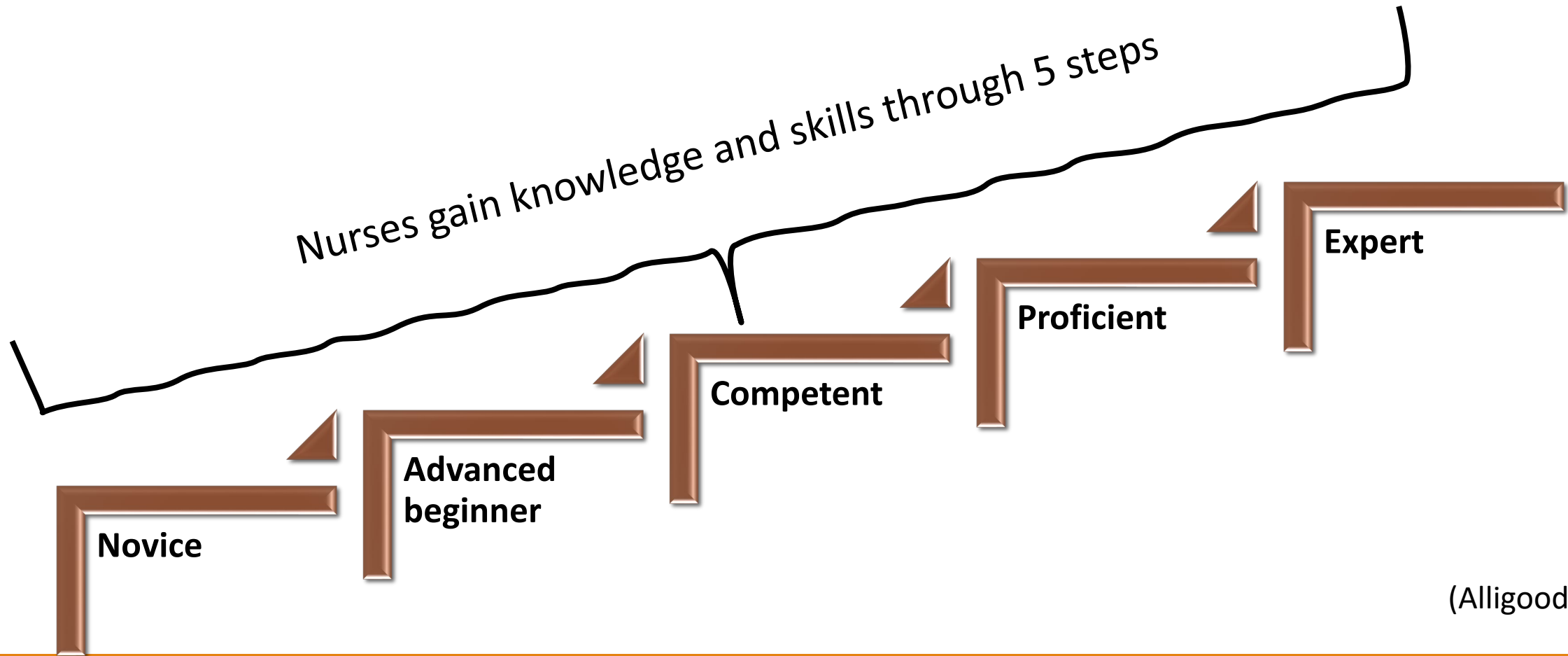


**Why Benner's
theory can be
considered as a
Nursing philosophy?**





MAJOR CONCEPTS



(Alligood 2018)

WHAT IS A CONCEPTUAL MODEL ?

- Things or circumstances that are of interest to the members of nursing science discipline.
- It addresses the concepts of the nursing metaparadigm ->
each conceptual model **provides a different way of thinking about the nursing metaparadigm concepts.**
- Provides structure for a phenomenon, direct thinking, observations, interpretations
-> **provide direction for actions**
- The conceptual models that guide nurses' work remain more implicit than explicit

(Fawcett 2017b, Alligood 2018)



Examples of Conceptual Models in Nursing Science

Martha E. Rogers: Science of
Unitary Human Beings

Betty Neuman: Systems Model

Dorothea Orem:
Self-Care Framework

Sister Callista Roy:
Adaptation Model

Imogene King: Conceptual
System and Goal Attainment

Dorothy Johnson:
Behavioral System

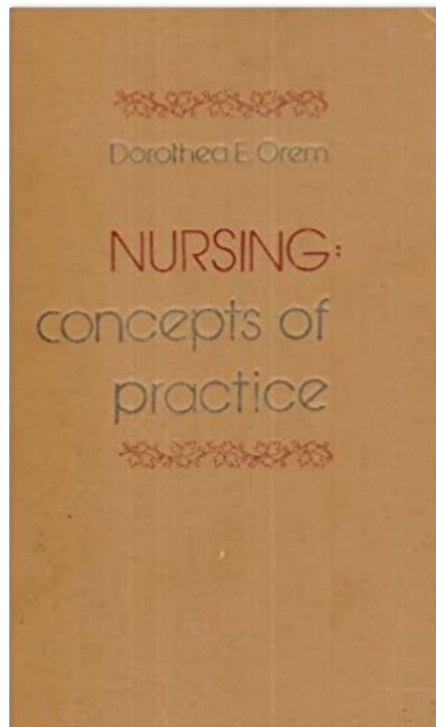
(Alligood 2018)



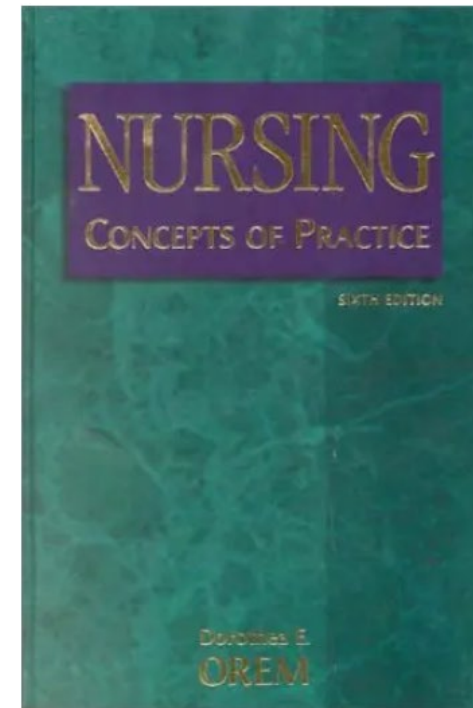
OREM: SELF-CARE DEFICIT THEORY OF NURSING

FIRST PUBLICATION IN 1971

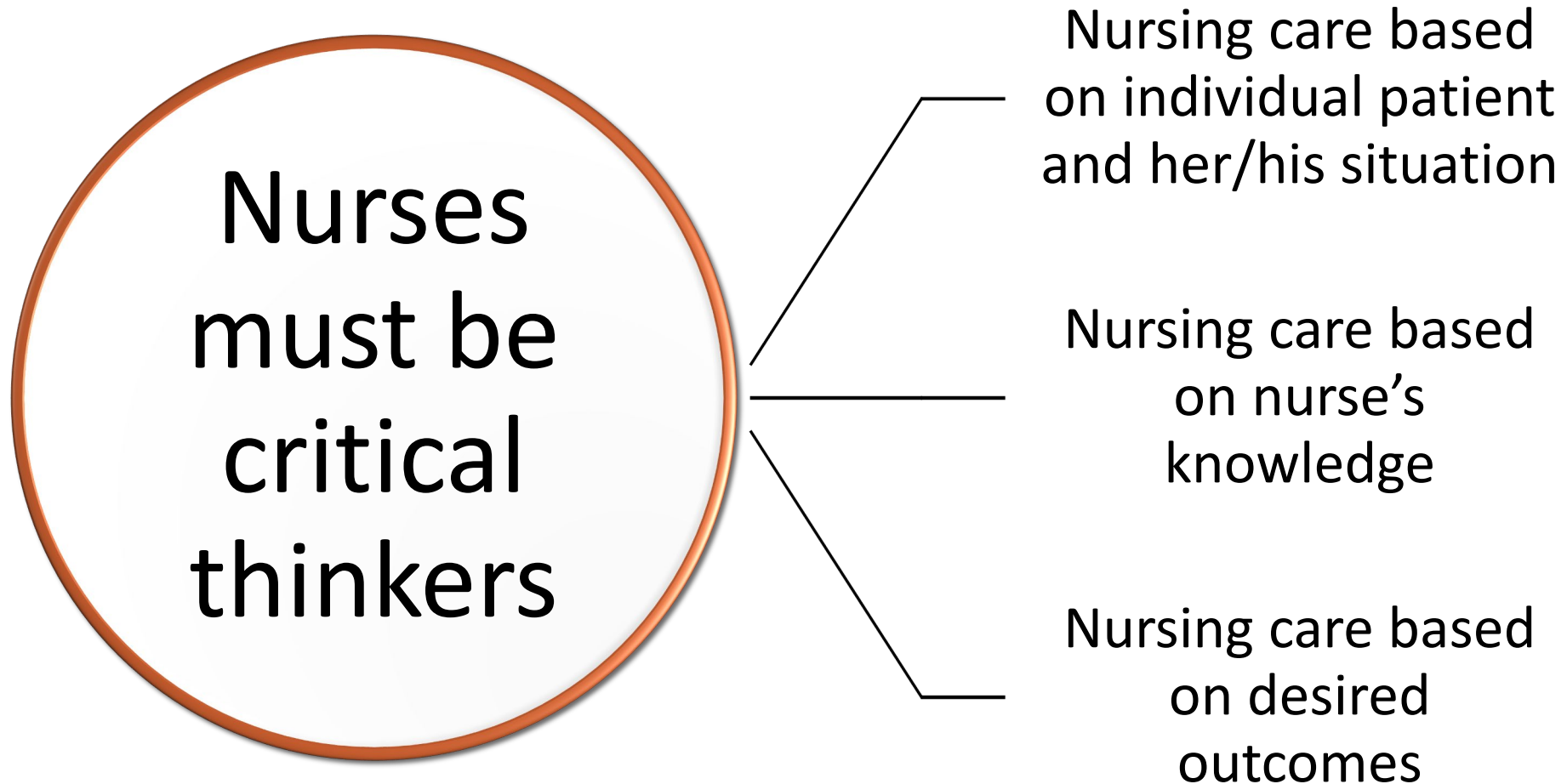
PUBLISHED IN 2001



Orem continued to be
active in theory
development



Orem's basic idea...



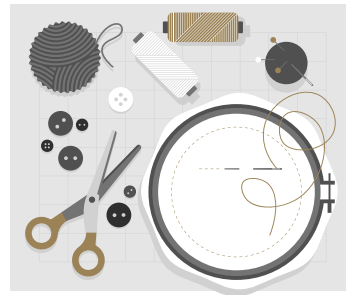


BASIC CONCEPTS OF OREM'S THEORY

BASIC CONDITIONING FACTORS OF OREM'S THEORY

Nursing
Human being
Environment
Health
Self-care

Self-Care Agency
Dependent-Care Agency
Self-Care Deficit
Dependent-Care Deficit
Nursing Agency
Nursing Design
Nursing System
Helping Methods



age, gender,
developmental state,
health state,
socio-cultural orientation,
health care system factors,
family system factors,
patterns of living,
environmental factors, and
resource adequacy and availability.

(Alligood 2018)

Why Orem's theory can be classified as Conceptual model?

Presented as a general theory of nursing

Orem's model involves three theories:

- theory of nursing system
- theory of self-care deficit
- theory of self-care



Self-Care Deficit Theory of Nursing



THE PRINCIPLES

- D. Orem-

Theory raised the idea that nurses should provide holistic care and not just treat injuries.

“The practice of activities that individuals initiate and perform on their own behalf in maintaining life, health, and well-being.”

-> individual's ability to perform self-care

Revolutionary idea





Orem's Theory of Nursing

The theory of nursing system, focuses on the relationship between a nurse and a client

the wholly or partial compensatory nursing system

supportive-educative system between nurse and a person.



The theory of self-care, focuses on the performance or practice of activities that individuals perform on their own behalf:

- actions to maintain one's life and life functioning,
- develop oneself or
- correct a health deviation or condition.

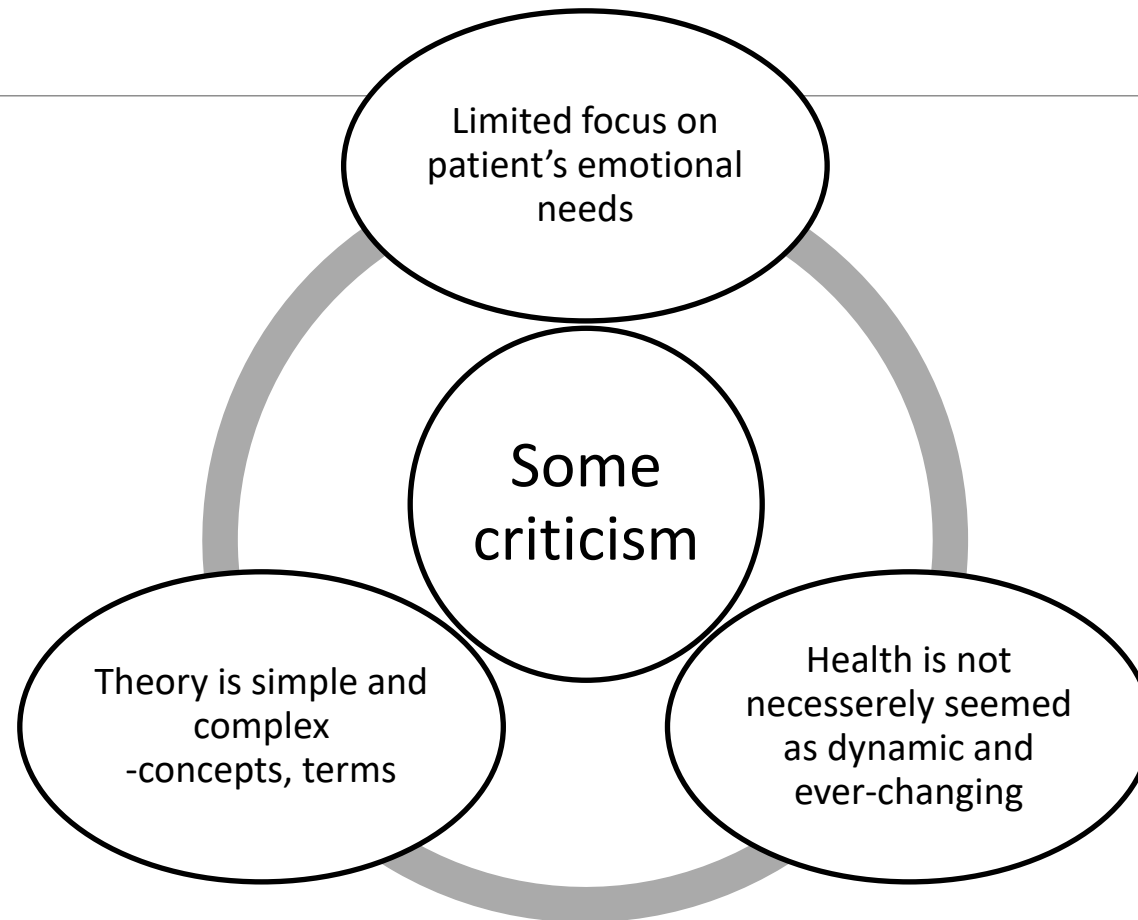
The theory of self-care deficit, defines when nursing is needed because a person is limited or incapable of providing self-care and needs help.



Orem's nursing actions

- (1) Acting for or doing for another
- (2) Guide and direct
- (3) Provide physical or psychological support
- (4) Provide and maintain an environment that supports personal development
- (5) Teach

Adapted from Orem 2001





ELSEVIER

European Journal of Cardiovascular Nursing 6 (2007) 32 – 39

of Cardiovascular
Nursing

www.elsevier.com/locate/ejcnurse

A critical analysis of the potential contribution of Orem's (2001) self-care deficit nursing theory to contemporary coronary care nursing practice

Fiona Timmins*, Paul Horan

School of Nursing and Midwifery, Trinity College Dublin, 24 D'olier Street, Dublin 2, Ireland

Received 14 June 2005; received in revised form 26 March 2006; accepted 30 March 2006

Available online 18 May 2006

What is a Grand Theory?

- Board framework, do not guide specific nursing interventions
- Not as specific as middle-range theories
- Theorists develop their works based on their own experiences and their time
- > explaining variation among theories.
- Emphasize the nursing metaparadigm components of human being, nursing, health, and environment.
- Are often well recognised and publicised, e.g., self-care, adaptation, activities of living
- Often derived from nursing philosophies and conceptual models



Examples of Theories and Grand theories

Afaf Meleis: Transitions Theory

Madeleine Leininger: Theory of Culture Care Diversity and Unversality

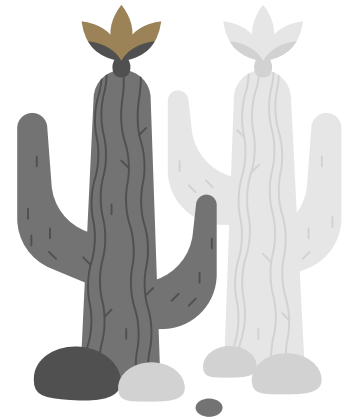
Margaret Newman: Health as Expanding Consciousness

Rosemarie Rizzo Parse: Humanbecoming

SOME CRITICISM

Number of grand theories generated through reasoning,
not by conducting active research

Some of the grand theories have not been
tested by research



MIDDLE-RANGE THEORIES

More specific theories

Suitable for empirical testing, more limited scope

for example: a stress, comfort, sorrow, health promotion, uncertainty

Present concepts and propositions at a lower level of abstraction

The interest in middle-range theories **is growing**

- the increased number of published theories
- nursing faculties and researchers to use theories at the mid-range level to guide practice and research.

Middle range nursing science theories

- Most middle-range theories are based on a grand theorist's works
 - can be also from research, nursing practice, or the theories of other disciplines
- Provide guidance for everyday practice and academic research in the field of nursing science
 - used by researchers and applied by nurses



Examples of Middle-range theories

Merle Mishler: Uncertainty in Illness Theory

Carolyn Weiner & Marilyn Dodd: Theory of Illness Trajectory

Eakes, Burke, Hainsworth: Theory of Chronic Sorrow

Phil Barker: The Tidal Model of Mental Health Recovery

Cheryl Tatano Beck: Postpartum Depression Theory



Beck: Postpartum depression theory

Beck started to examine postpartum depression in 1993

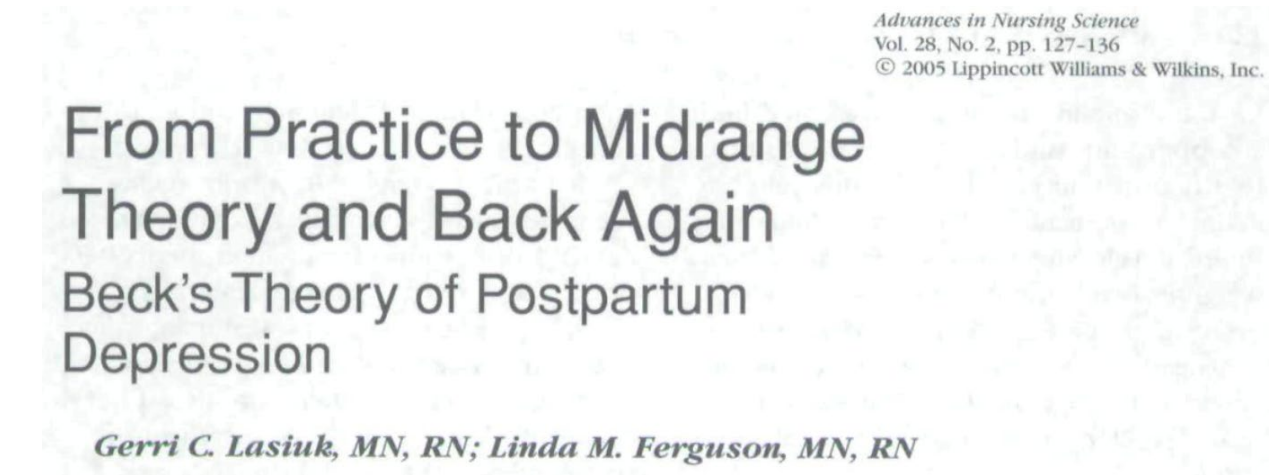
-> very few nursing studies published then

Background as a nurse midwife

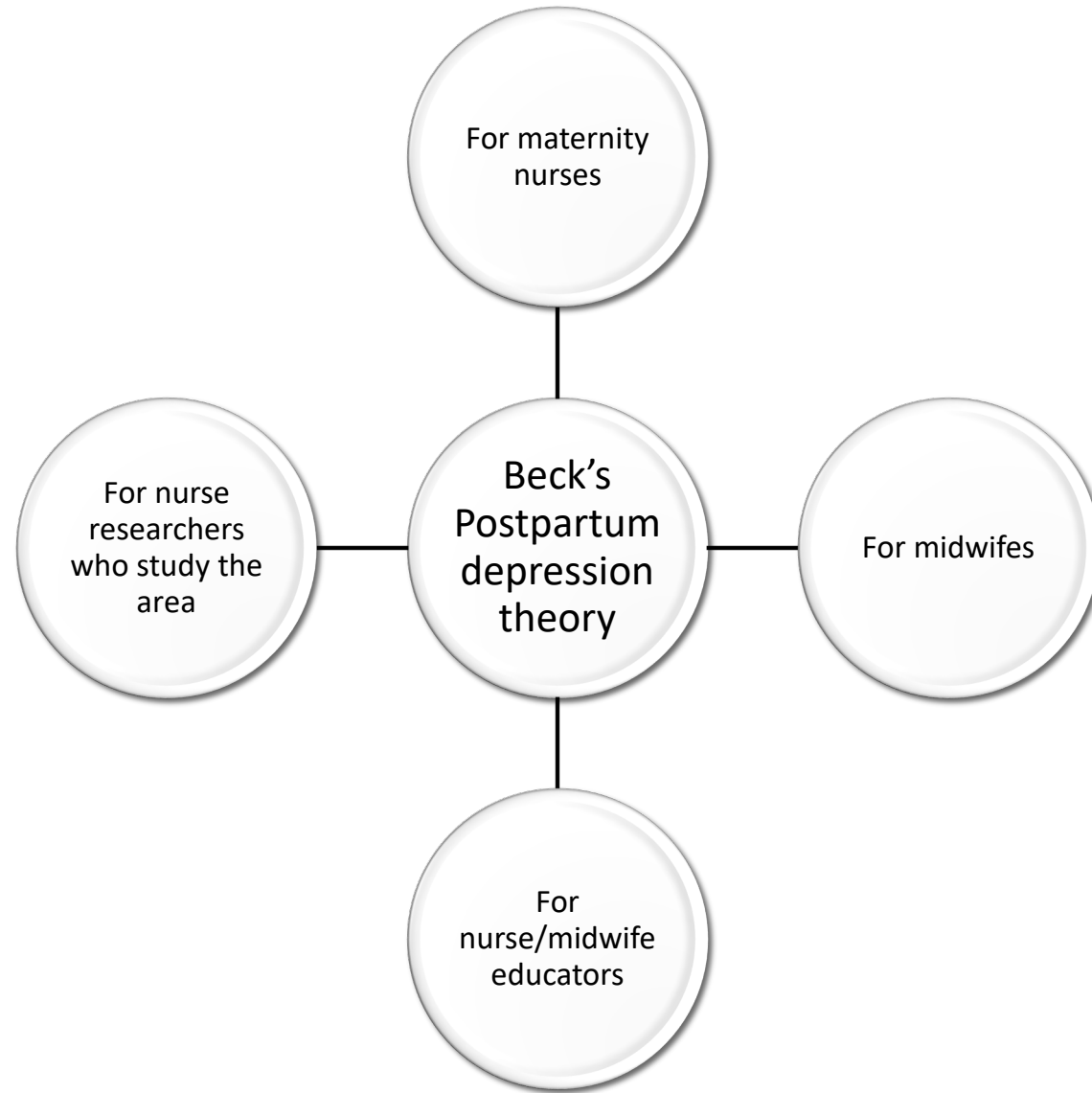
Theory provides evidence to understand and prevent postpartum depression.

22 major concepts & definitions

(Alligood 2018)



Nursing is a caring profession with caring obligations to persons we care for, students, and each other.



Practice level nursing science theories

- Situation-specific theories
 - **narrow in scope**
 - **focuses on a specific patient population at a specific time**
- Provide frameworks for nursing interventions and suggest outcomes or the effect of nursing practice.
- Have a more direct effect on nursing practice than more abstract theories.
- Interrelated with concepts from middle-range theories or grand theories.
- For example: **Nurse-led care delivery models**

The Future of Nursing Theory is... (Fawcett 2017, a,b; Alligood 2018)

less abstraction

limited scope

**...towards Middle
range theories**

reflect practice

address specific phenomena
or concepts



Thank you for your attention and cooperation!

- Hanna Hopia -

