LEVERAGING COGNITIVE DIVERSITY IN ADDRESSING COMPLEX HEALTH CARE PROBLEMS

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IN THE
CONTEXT OF
WORK, WHAT
TYPES OF
TEAMS ARE
YOU ON?



- Clinical Practice
 - Research
- Specialty-Specific
- Licensure/Position
 - Administrative
 - OTHERS...
- MORE THAN ONE?



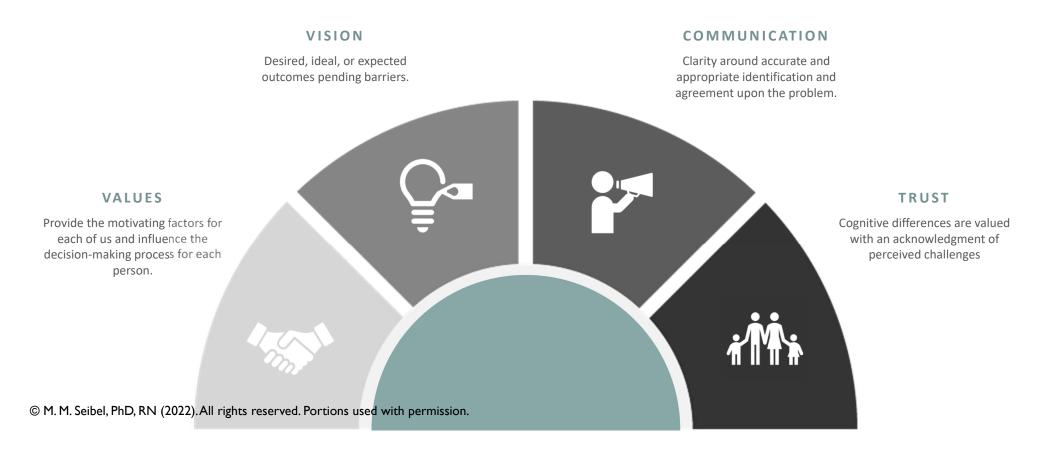
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LEARNING OBJECTIVES

- Discuss Adaption-Innovation Theory as it relates to cognitive problem solving preference.
- Differentiate between cognitive effect and affect, and style and level/capacity.
- Compare adaptive and innovative preferences of individuals relative to task and team.
- Define cognitive gap and aspects for coping and bridging across gaps.
- Examine implications for leadership and management of cognitive diversity in health systems.

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LEADERSHIP Food for Thought



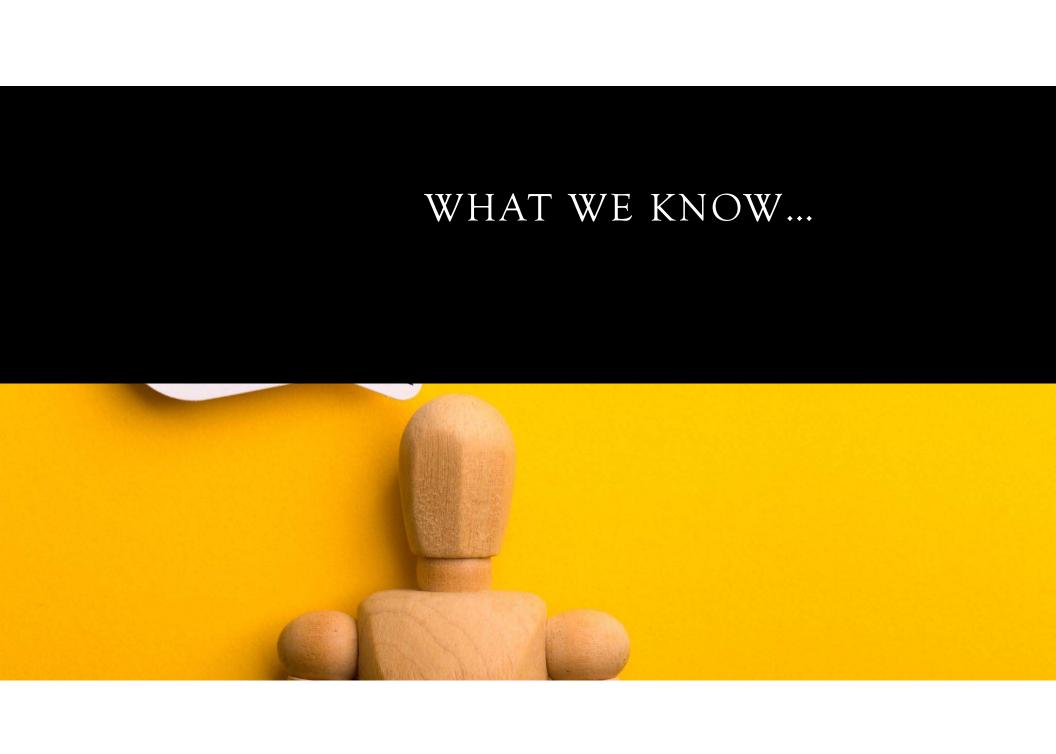
INSTITUTIONAL CORE VALUES

- Collaboration
- Courage
- Commitment
- Compassion
- Curiosity

- · Collaboration and Excellence
- Innovation and Discovery
- Diversity, Equity, and Inclusion
- Humanism and Compassion







AS HUMAN BEINGS...



- All people are creative
- All people solve problems

We just do so DIFFERENTLY

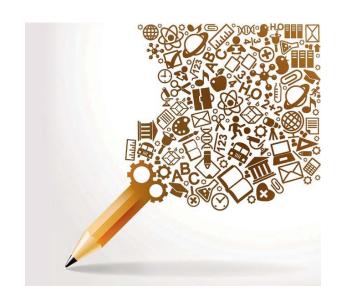
ALL PEOPLE ARE CREATIVE

<u>Style</u>

In what way?

How am I creative?

In what manner do I prefer solving problems?



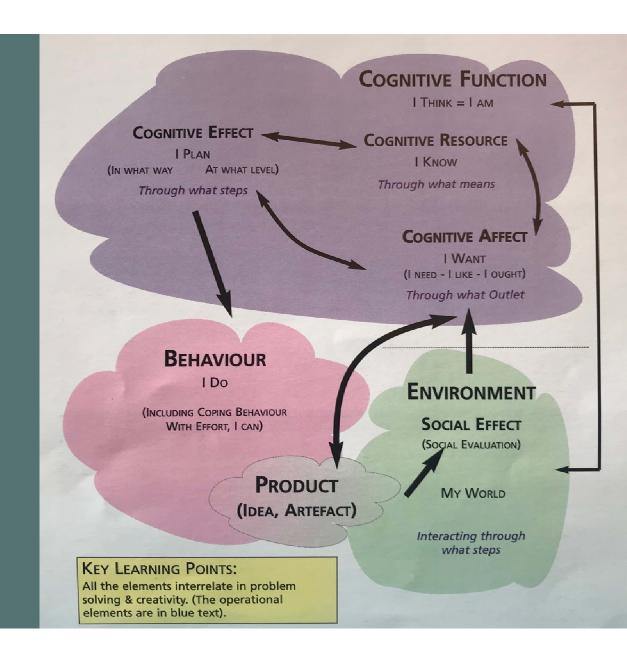
Level

How much?

How creative am I?

How good am I at solving problems?

COGNITIVE FUNCTION SCHEMA





CHANGE IS CONSTANT

How we manage and lead through it is the variable

(and it is dependent on our perception of it!)

Ambiguity is a fear amplifier, and COVID has laid fore the public's discomfort. Clinicians and scientists, however, accept ambiguity as part of the scientific process. Whereas clinicians and scientists practice with an acceptable restricted process whereas clinicians (Aug 20, 2021) www.Medscape.com

When facing loss, embrace change and don't force closure, a therapist urges.

Berger, L., Berger, N., Bosetti, V., and Smith, R. (2021, Jan). Rational policymaking during a pandemic. Proceedings of the National Academy of Sciences of the United States of America, 118 (4) e2012704118.

FACTORS INFLUCENCING THE OUTCOME OF CHANGE



OPPORTUNITY

Consideration of both process and progress



MOTIVE

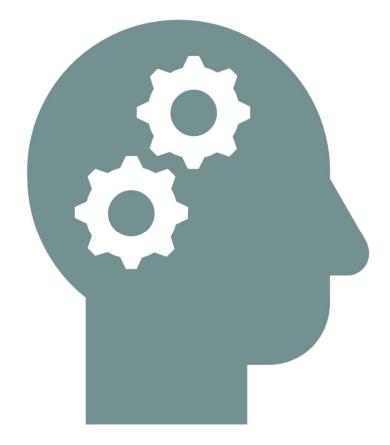
Intrinsic and Extrinsic factors driven by personal, social, and structural implications



RESOURCE

Leveraging personal style and level to achieve outcomes (learning)

STYLE MAY NOT "BE" BEHAVIOR



STYLE IS STABLE BEHAVIOR IS FLEXIBLE

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PROBLEM SOLVING STYLE DEFINED

The way in which we generate ideas

The way in which we utilize/leverage structure to implement ideas

The way in which we respond to rules and group norms

PROCESS OF PROBLEM SOLVING Perception of the Problem

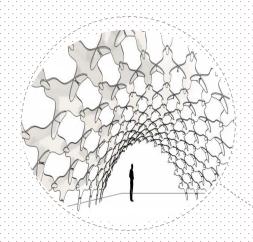
Analysis of the Problem*

Analysis of the Solution

Agreement to Change

Acceptance of Change*

Implementation



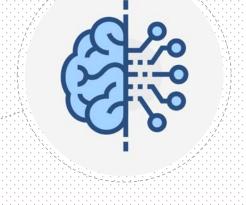
PARADOX OF STRUCTURE

All structures (e.g. rules, policies, expectations, ambiguity) are enabling and limiting.



STYLE AND BEHAVIOR

Our style is stable over time, but our behavior is flexible



INSIGHT AND FORESIGHT

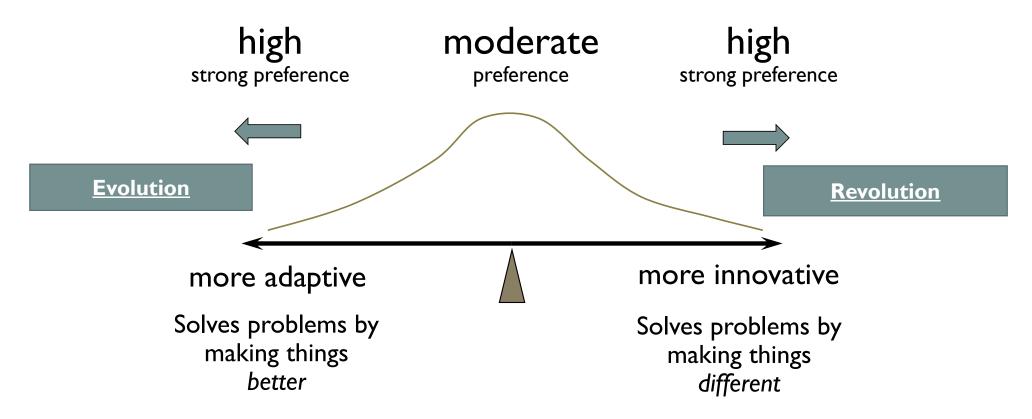
Learning influences how we perceive a problem (opportunity) and may offer insight for response and foresight for future use



WE MUST AGREE ON THE PROBLEM

In order to solve it – and be able to manage cognitive diversity to do this well!

Adaption-Innovation continuum (KAI)



MORE ADAPTIVE CHARACTERISTICS

- prefer more structure
- produce targeted ideas
- expect high rate of success
- system improver change agents "better"
- precise; master details
- consistent seen as disciplined/reliable
- sensitive to people and groups
- more prudent risk takers

MORE INNOVATIVE CHARACTERISTICS

- prefer less structure
- proliferate many ideas
- tolerate higher rates of failure
- more radical change agents "different"
- shed details; seen as undisciplined/visionary
- challenge rules and assumptions
- challenge the problem definition
- more daring risk takers

DIFFERENCES ARE A GOOD THING!

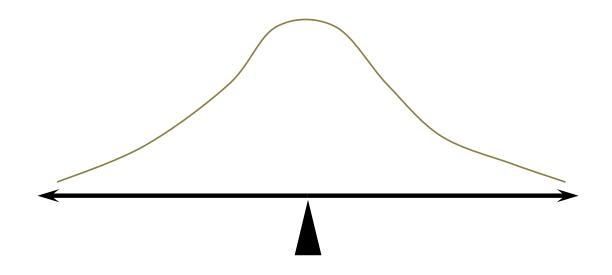
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Neither adaptors nor innovators are better than the other at using their creativity when it comes to problem solving or decision making.

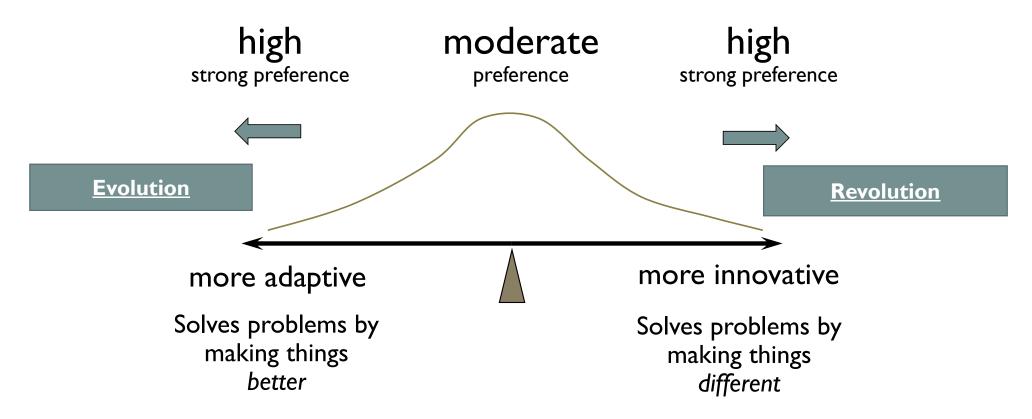
In particular situations, different degrees of adaption or innovation may be judged as more appropriate.

Adaptors and innovators may disagree about what is best in a situation, or confuse differences in style as differences in ability.

WHERE MIGHT YOU BE ON THE A-I CONTINUUM?

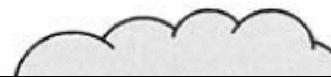


Adaption-Innovation continuum (KAI)

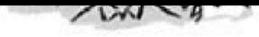




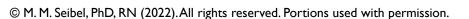
group-problem

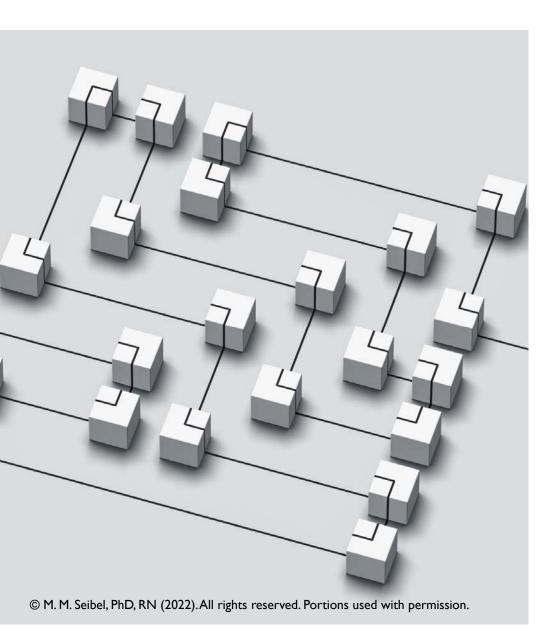


TYPES OF PROBLEM-SOLVING GAP









CHALLENGES OF COGNITIVE GAP

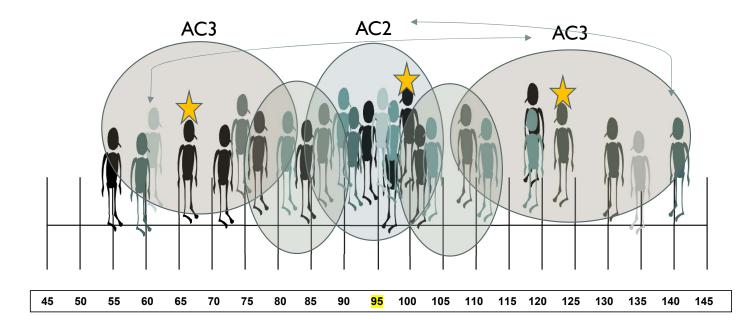
- A 20-point style gap between individuals may inhibit:
 - Communication
 - Working together
 - Trust

Agents of Change (normal distribution example)

AC1: each of us

AC2: +/- 10 points of the group mean

AC3: >10 points more A or more I than the mean



Bridging range: 55-140 mean: 95 Coping

Applying Your Style...

Use of problem solving acumen to promote communication and an inclusive organization...

- monitor the effects of your own preferences
- effectively manage differences to best engage others
- strive to manage differences in ways that meet the needs of the task

