

NC Department of Health and Human Services NC Nurse Aide I Curriculum

Module R Cognitive Changes Due to Aging

July 2024

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Objectives

- 1. Discuss the healthy aging brain
- 2. Identify cognitive changes due to aging
- 3. Describe the importance of pacing and patience while delivering care to the older adult

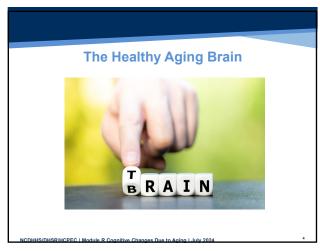
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Cognition

- Refers to the mental processes involved in thinking, learning, understanding and remembering
- Messages sent to the brain from the five senses are:
 - changed
 - stored in memory
 - recovered from memory
 - used to answer questions
 - used to respond to requests
 - used to perform tasks
- Cognitive function is related to use

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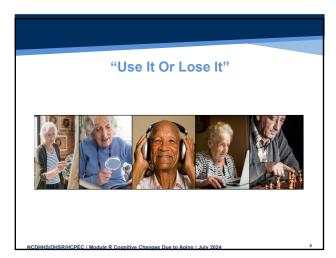


Learning in the Older Adults

- The gaining of information, skills, and knowledge
- Older adults learn easier and better when they can set their own pace
- Learning is dependent on memory
- Memory involves the storing of information in the brain for later use

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Cognitive Changes Due to Aging

- Size of neurons (brain cells) progressively decrease
- Total brain mass decreases
- · Responses slow down
- Increased learning time needed



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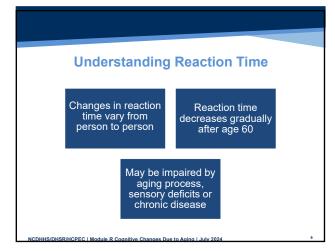
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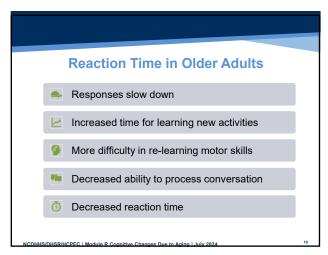
Cognitive Changes Due to Aging

- Mild short-term memory loss
- · Motivation to learn decreases
- Feels threatened when changes are evident in public
- Challenged by more than one task or more than one request
- Unable to ignore external stimuli while performing basic tasks

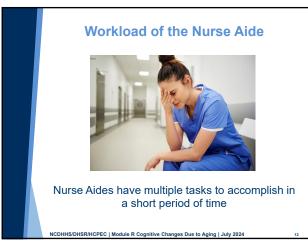
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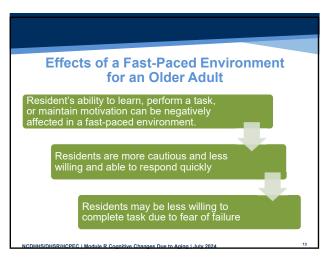
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Pacing and Patience

Residents who are encouraged to set their own pace:

- Are better able to perform or learn new things
- Will establish enough time to use assets to the best of their abilities
- Feel better about themselves, competent, and in control



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