

Infancy (Birth to 1 Year) (3 of 7)

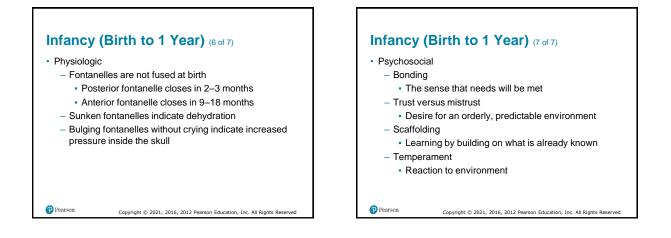
- Antibodies are passed from mother to child during
- Antibodies are also passed through breastfeeding

Infancy (Birth to 1 Year) (4 of 7) Physiologie Moro reflex (startle) Throws arms out, spreads fingers, and then grabs with fingers and arms Palmar reflex Grasps objects placed in palm Rooting reflex (hunger) Turns head to the side when cheek is touched Sucking reflex Sucks when lips are stroked

Infancy (Birth to 1 Year) (5 of 7)

- Physiologic
 - Sleep patterns
 - Initially sleeps 16–8 hours throughout the day and night
 - Soon changes to 4–6 hours during the day and 9– 10 hours at night
 - By 2–4 months, will sleep through the night
 - Extremities grow in length from a combination of growth plates at both ends of the long bones

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Toddler Phase (12–36 Months) (2 of 5)

Physiologic

- Body temperature ranges from 98.6°F –99.6°F (36°C –37.5°C)
- Weight gain will be about 4.4 lb (2.0 kg) per year

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- Body systems improve in efficiency

Toddler Phase (12–36 Months) (3 of 5) Physiologic Pulmonary system Terminal airways branch and grow Alveoli increase in number Nervous system Brain is 90 percent of adult brain weight Fine-motor skills develop Musculoskeletal system Muscle mass and bone density increase

Toddler Phase (12–36 Months) (4 of 5)

Physiologic

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- Immune system
 - More susceptible to illness
 - Immunity develops through exposure and
 - vaccination
- Teeth
 - All primary teeth come in by 36 months
- Toilet training is physically possible at 12–15 months but not psychologically possible until 18–30 months

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Toddler Phase (12–36 Months) (5 of 5)

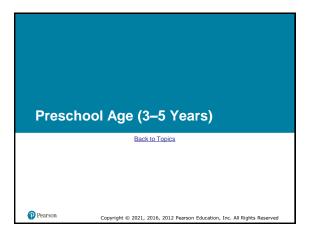
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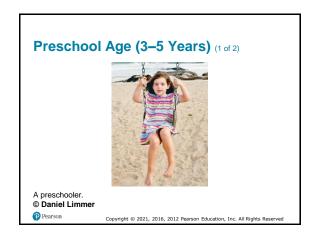
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- Begins to understand that words have meaning
- Begins to understand cause and effect
- Develops separation anxiety
- Begins to develop "magic thinking" and engages in play-acting
- Masters language basics that are refined through childhood

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Preschool Age (3–5 Years) (2 of 2)

Physiologic

- Body systems continue to develop
- Psychosocial
 - Interactive and social skills develop
 - Peer groups provide information about other families and the outside world
 - Peer interaction offers opportunity for learning, making comparisons, and being part of a group

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School Age (6–12 Years) (2 of 3)

Physiologic

- Body temperature ranges from 98.6°F–101.3°F (36°C –36.5°C)
- Weight gain will be about 6.6 lb (3.0 kg) per year
- Growth will be about 2.4 inches (6 cm) per year
 Primary teeth will be shed and replaced with permanent teeth

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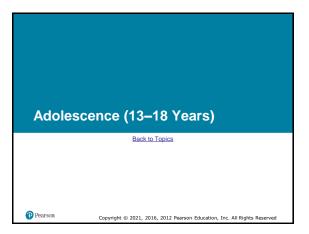
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School Age (6–12 Years) (3 of 3)

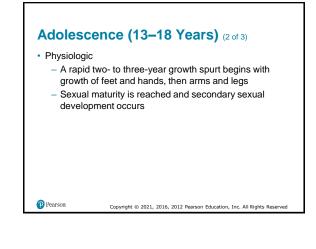
Psychosocial

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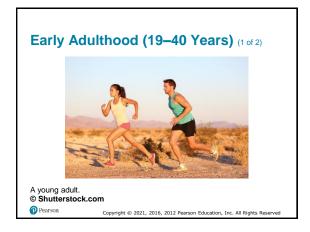
- Parents spend less time with the child and provide general supervision
- Decision-making skills develop
- Self-esteem develops and is affected by popularity, rejection, emotional support, and neglect
- Moral development begins based on rewards and punishments for behaviors
- Moral reasoning appears and control of behavior shifts to internal sources







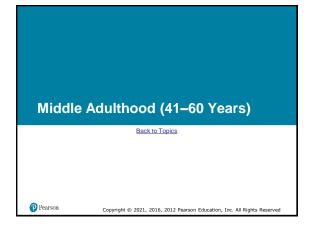
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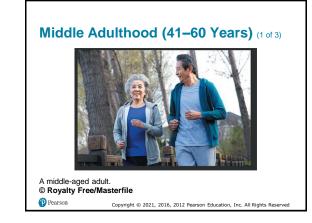


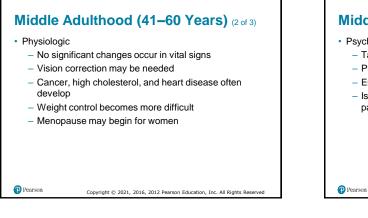
Early Adulthood (19–40 Years) (2 of 2)

- Physiologic
 - Lifelong habits are formed
 - Peak physical condition occurs between 19 and 26 years of age
- Psychosocial
 - Job and family stress levels are high
 - Marriage, childbirth, and child rearing often occur
 - Accidents are the leading cause of death

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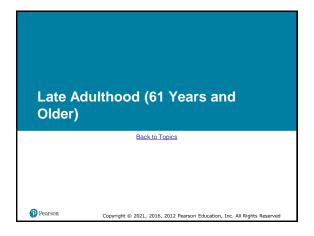


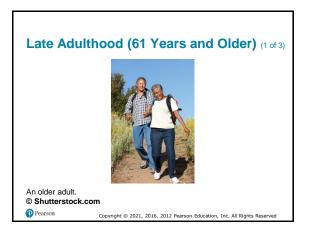


Middle Adulthood (41–60 Years) (3 of 3)

Psychosocial

- Task orientation increases
- Problems are viewed as challenges rather than threats
- Empty-nest syndrome may occur
- Is concerned about both adult children and elderly parents





Late Adulthood (61 Years and Older) (2 of 3)

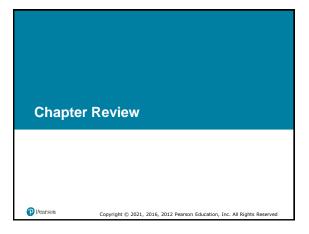
Physiologic

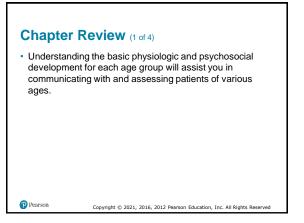
- Vital signs depend on health and physical condition
- Cardiovascular system is less efficient and blood volume decreases
- Respiratory system deteriorates and increases the likelihood of respiratory disorders
- Endocrine changes decrease metabolism
- Sleep-wake cycle is disrupted
- Other body systems deteriorate as time goes on

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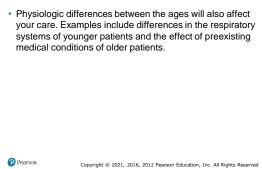
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Late Adulthood (61 Years and Older) (3 of 3) Psychosocial Faces many challenges Living environment Self-worth Financial burdens Death and dying Motivation, personal interests, and activity level can enhance late adulthood





Chapter Review (2 of 4)



Chapter Review (3 of 4) Infants and young children have less developed and smaller respiratory structures, which can make respiratory conditions worse.

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Chapter Review (4 of 4)

 Your ability to communicate with younger patients will depend on their stage of development. This can range from fear of strangers to separation anxiety from parents and embarrassment during adolescence. Older patients may have issues with denial or depression over medical conditions.

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Remember (1 of 3)

- Infants undergo big bursts of anatomical and psychosocial development in the first year of life.
- Although preschoolers begin to develop independence and reason, in many ways their psychosocial development is similar to that of toddlers.

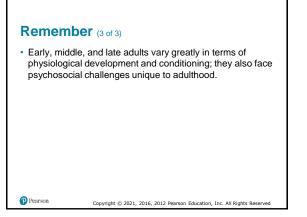
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Remember (2 of 3)

- School-age children often are independent and logical, but they may regress to an earlier stage with illness or injury.
- Adolescents are reaching physiologic maturity, but they often face difficult psychosocial challenges.

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Critical Thinking

 You are called for abdominal pain in a 16-year-old girl. She is with friends at the park. She seems hesitant to answer any of your questions. What characteristic of adolescent development is most likely the cause of this? How could you overcome it?

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