Infants and babies and toddlers! 
Oh, my!
Newborn Reflexes

- What are some of the reflexes?
  - Rooting
  - Sucking
  - Swimming (should NOT be tested at home, for safety reasons)
  - Moro
  - Palmer grasp
  - Stepping
  - Babinski
Infant - Physical

• Brain development
  – Has 100 – 200 billion neurons (nerve cells)
  – Gaps between them are called synapses
  – Neurons that are used survive; others are pruned
  – Appropriate stimulation is what causes neurons to be used
    • Stimulate by talking, listening, singing, dancing, moving, questioning, showing, allowing exploration

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Physical Development Trend

Cephalocaudal

- Neck control
- Sitting up
- Walking

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Physical Development Trend

Proximodistal

From center
Outward

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Infant – Social/Emotional

• Attachment
• Emotional development
Infant Emotional Development

- Basic emotions – universal to humans
  - Happiness
  - Interest
  - Surprise
  - Fear
  - Anger
  - Sadness
  - Disgust
Toddler - Physical

Gross motor development

Fine motor development

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Toddler – Social/Emotional

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Toddler – Cognitive
Infant and Toddler Self-Regulation

Strategies we use to adjust our emotional state to a comfortable level. Impulse control is part of this.
Temperament

• Early appearing
• Stable differences in our reactivity and self-regulation
• Set of inborn biological characteristics that shape how we experience and approach the world.
Influence of family and society
Optimizing development, including special needs

- LRE – least restrictive environment
- Inclusive classrooms
- Learning disabilities
Techniques to promote health and safety

- Watchful, attentive care
- Shaken Baby Syndrome (web site)
  - Never, never shake a baby! You can cause brain injury or death
- Well-baby care and medical attention
- SIDS (article)
  - Back to sleep (1:08 minute video)
  - Safe sleep for babies (12:38 minute video)
- Tummy time (news article)
Developmentally appropriate guidance techniques

• Infants should never be punished
• Toddlers can be guided in order to help correct behaviors