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Screen Time Overtime: Should a “Screen Time Diet” be Part of Healthy Everyday Activities and Routines for Families and Their Young Children?

Sarah Jamieson, OTS

Thomas Jefferson University, Department of Occupational Therapy

Mary Muhlenhaupt, OTD, OTR/L, FAOTA

Thomas Jefferson University

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Introduction

Though television is still the primary form of media for children, almost one-third of TV programming is accessed through smart phones, tablets, and computers (Strasburger et al., 2013).

- Families do not adhere to AAP’s guidelines (Brown, 2011)
- Research suggests detrimental effect on young children

American Academy of Pediatrics:

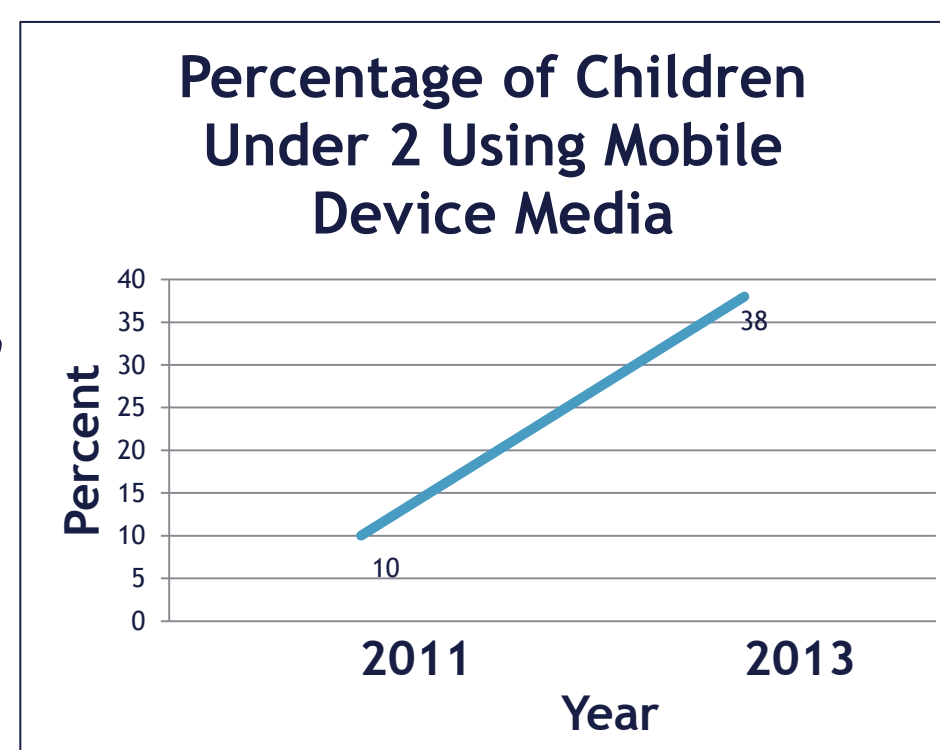
- No media for children under 2
- <1-2 hrs/day for children over 2

OT’s are an integral resource to help families design healthy recreational “screen time diets.”

Trends in Media Use

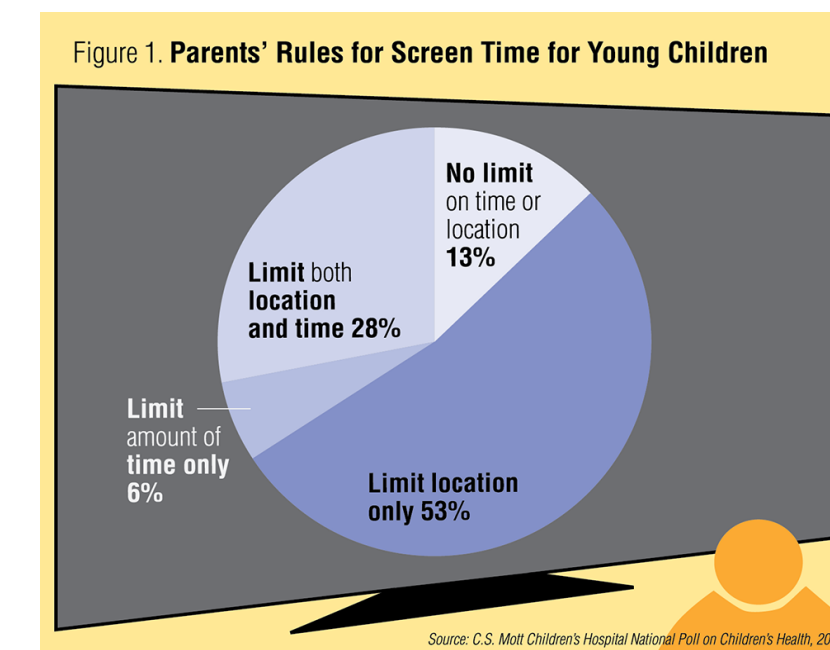
- Children < 2 years old watch 1-2 hours of television/day (Brown, 2011)
- Over 50% of 6-month infants exposed to at least an hour of media per day, (Tomopoulos et al., 2010)

- 28% increase in mobile device (smart phone, iPad, tablet) use from 2011 to 2013 (Common Sense Media, 2013)



- Parent’s negative concerns only related to TV consumption (Cingel & Krcmar, 2013)
- 55% of parents “not too” or “not at all” concerned about media (Wartella et al., 2013)

- Over 50% of parents limit screen time location, not duration (C.S. Mott’s Children’s Hospital, 2014)



Impact on Development

Language

- Media exposure at age 6 months → “lower” language development at 14 months (Tomopoulos et al., 2010)
- Each hr/day of baby DVD’s/videos in infants 8-16 months old → negative correlation to vocabulary acquisition (Zimmerman, Christakis & Meltzoff, 2007)

Cognition

- “Video deficit”: children < 2.5 have trouble processing screen information; live person, two-way exchange preferred (Kirkorian & Pempek, 2013)
- Longer daily media exposure → lower cognitive development (Tomopoulos et al., 2010)

Attention

- Hours of daily television viewing at ages 1 and 3 → attentional problems at age 7 (Christakis et al., 2004)
- Content of TV material related to later attentional difficulties in 3 year-olds (Zimmerman & Christakis, 2007)

Active Play

- Background TV → decreased attention to active play in 12, 24, and 36 mo. olds (Schmidt et al., 2008)

- Every hour of television → 9% less time spent in play for a child < 2 (Brown, 2011)

Family Connectedness

- Children who watch television without parents → less time with parents and siblings in other activities (Vandewater, Bickham & Lee, 2006)
- Lower-quality mother-child play with electronic versus non-electronic toys (Wooldridge & Shapka, 2012)

“Screen Time Diet” Recommendations

- Adhere to AAP guidelines for children < 2
- For children > 2:
 - Joint engagement
 - Establish appropriate contexts and routines for screen media use
 - Eliminate background media
 - Encourage pretend and unstructured, active play
 - NASPE Active Play Guidelines: toddlers and preschoolers at least 60 minutes/day; should not be sedentary > 60 minutes at a time

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See attachment for complete reference list

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