

University of the Pacific **Scholarly Commons**

Occupational Therapy Student Capstones

Occupational Therapy Program

7-1-2024

Promotes Children's Wellbeing in the First Year of Life and Parental Confidence Through Evidence-Based Knowledge

Jocelyn Ong Najera University of the Pacific

Follow this and additional works at: https://scholarlycommons.pacific.edu/ot-capstones



Part of the Occupational Therapy Commons

Recommended Citation

Ong Najera, Jocelyn, "Promotes Children's Wellbeing in the First Year of Life and Parental Confidence Through Evidence-Based Knowledge" (2024). Occupational Therapy Student Capstones. 49. https://scholarlycommons.pacific.edu/ot-capstones/49

This Capstone is brought to you for free and open access by the Occupational Therapy Program at Scholarly Commons. It has been accepted for inclusion in Occupational Therapy Student Capstones by an authorized administrator of Scholarly Commons. For more information, please contact mgibney@pacific.edu.

Promotes Children's Wellbeing in the First Year of Life and Parental Confidence Through Evidence-Based Knowledge

Presented by: Jocelyn Ong Najera, OTD/S, OTA/L, CNP

In collaboration with:

Capstone Site Mentor: Noelle Haight, OTR/L

UOP Mentor: Felicia Markfield, OTD, OTR/L



Background

- The first year of life is a period marked by rapid growth and development.
- The journey through infancy also presents numerous challenges for parents during the transition period.
 - o Navigating sleep patterns
 - o Understanding and supporting the child's developmental milestones
 - Sleep
 - Play
 - Sensory-motor
- Maternal mental health challenges



Evidence-based knowledge

(American Academy of Pediatrics, n.d; World Health Organization, 2021; Hanafin, 2018, Bathory & Tomopoulos, 2017; Case-Smith & O'Brien, 2015)



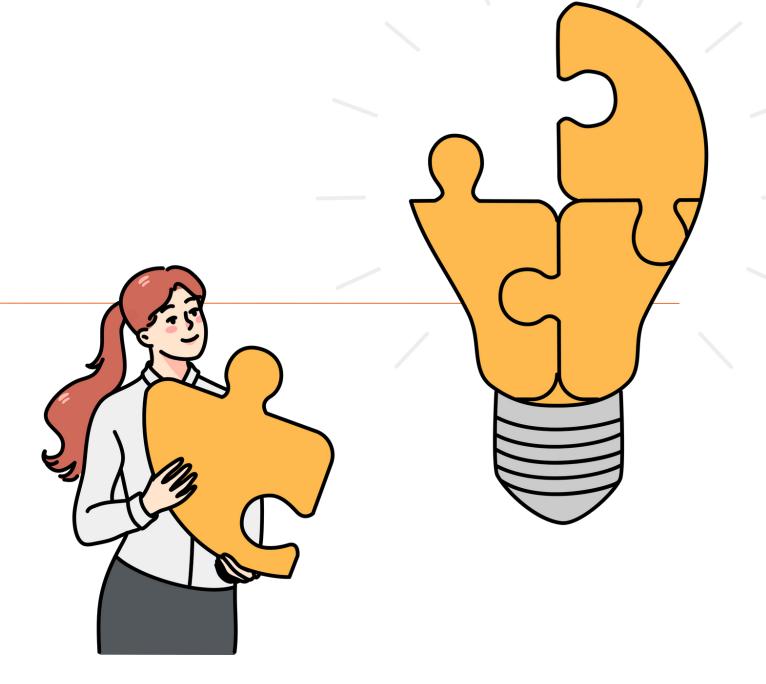
Literature Review

Findings and Themes

- Challenges for new parents
 - o Common concerns about child development
 - o Unreliable internet and social media sources
 - o Cultural beliefs influence parenting aspects
 - o Increased stress, anxiety, and feeling overwhelmed
- Roles of evidence-based resources:
 - o Reliable, scientifically validated information
 - o Accessible educational resources
 - Reduces overwhelming, enhance capability in managing child's needs

(Adlington et al., 2023; De-la-Morena-Perez et al., 2023; Aoyagi & Tsuchiya, 2019; Satyanarayana et al., 2011; Yoo et al., 2021; Michelson et al., 2016; Boe & Woods, 2018; Ilyka et al., 2021)

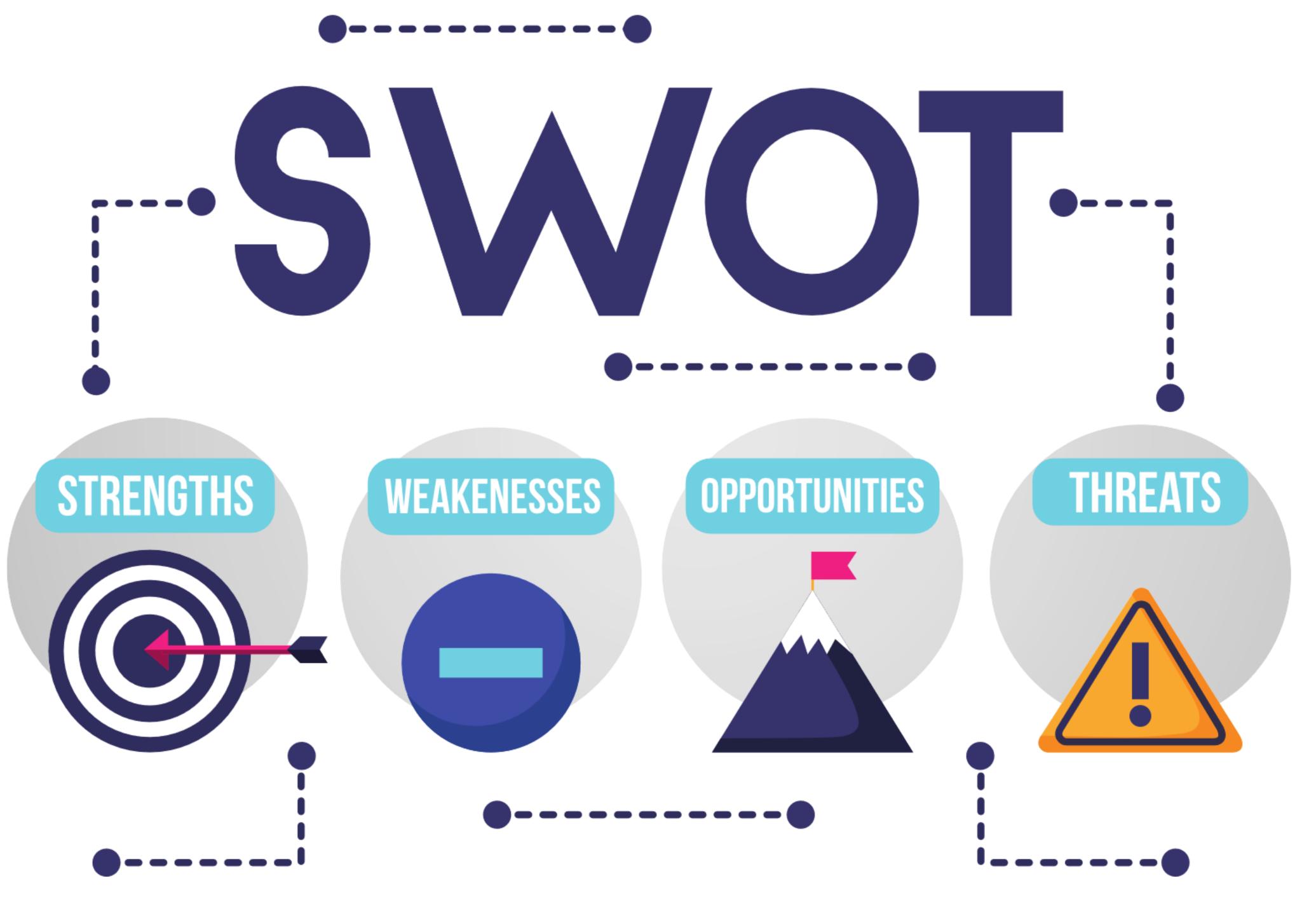




Needs Assessment

Capstone Organization: Noelle Haight, LLC Community Site Mentor: Noelle Haight, OTR/L

SWOT Analysis with Capstone site



(Parfitt & Ayers, 2014; Tully et al., 2017)



Program Purpose



Evidence based knowledge is key



Promotes infant wellbeing and parental confidence during transition into parenthood

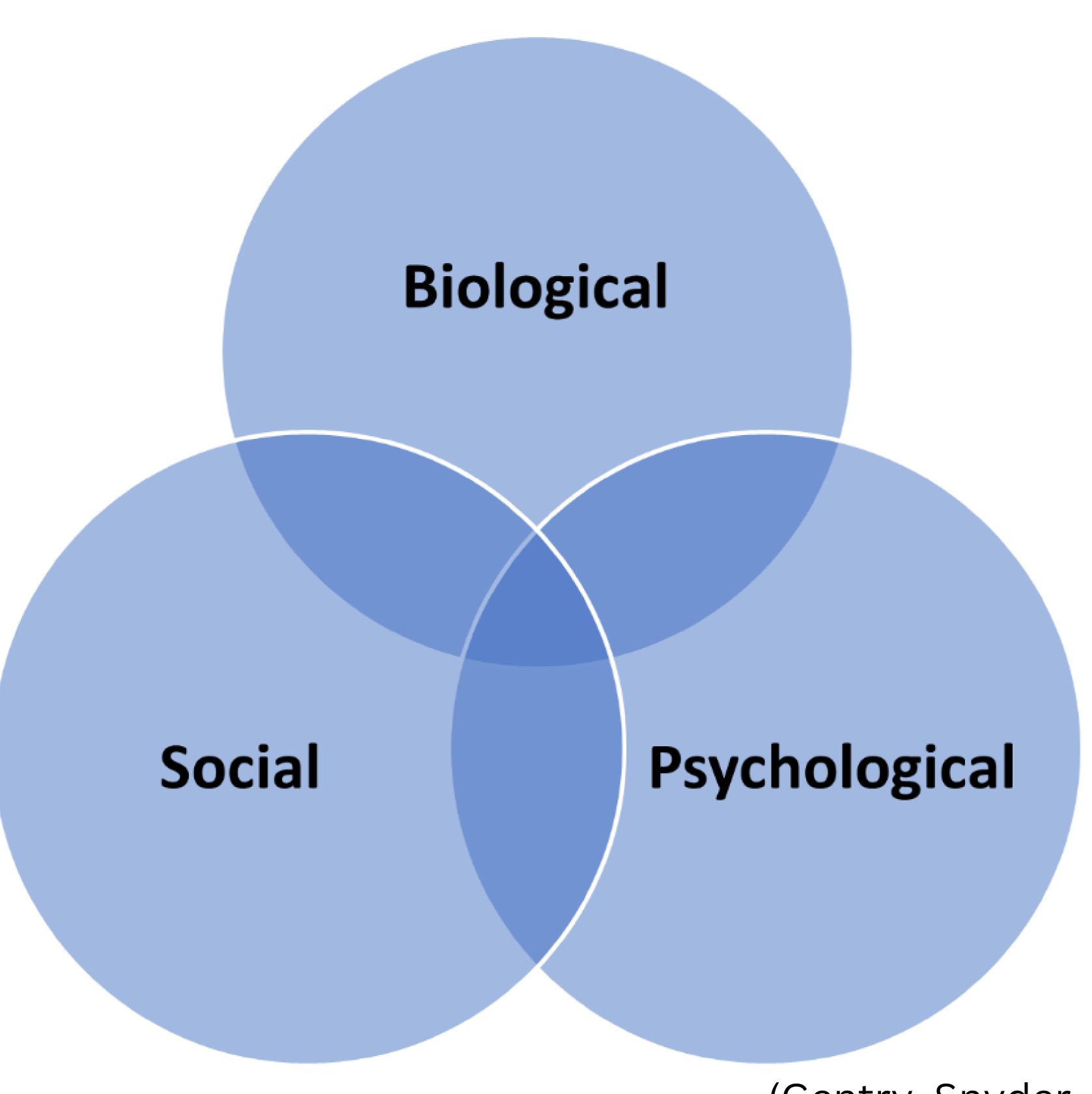


Increases maternal mental health awareness



Guiding Theory

Biopsychosocial Model

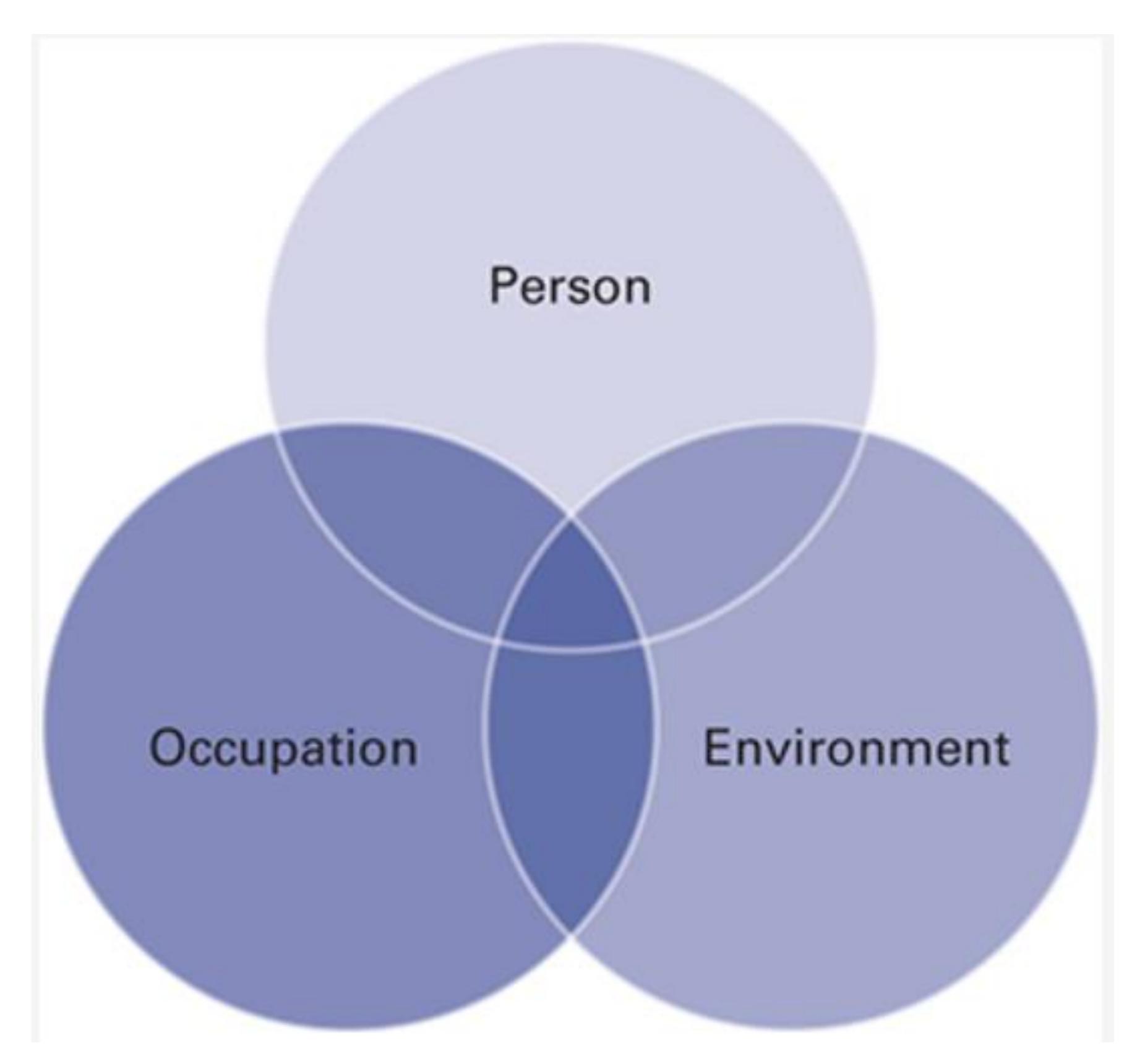


(Gentry, Snyder, Barstow, & Hamson-Utley, 2018)



Guiding Theory

The Person-Environment-Occupation Model (PEO)



(Bass, Marchant, de Sam Lazaro, & Baum, 2024)



Outcomes: Sensorimotor Development Handout and Webinar





Outcomes: Play Development Handout and Webinar



USING EVIDENCE-BASED KNOWLEDGE ON PLAY DEVELOPMENT TO PROMOTE INFANT WELL BEING AND PARENTAL CONFIDENCE IN THE FIRST YEAR OF LIFE







Outcomes:

Healthy Sleep Patterns + Food Introduction Handout and Webinars

Using Evidence-based Knowledge on Baby's Sleep Patterns to Promote Infant Well Being and Parental Confidence in the First Year of Life

Importance of understanding baby's sleep patterns:

- Promoting babies' healthy growth and development
- Enhancing parental confidence and reducing anxiety
- Establishing routines that support better sleep for the entire family

Typical sleep patterns:

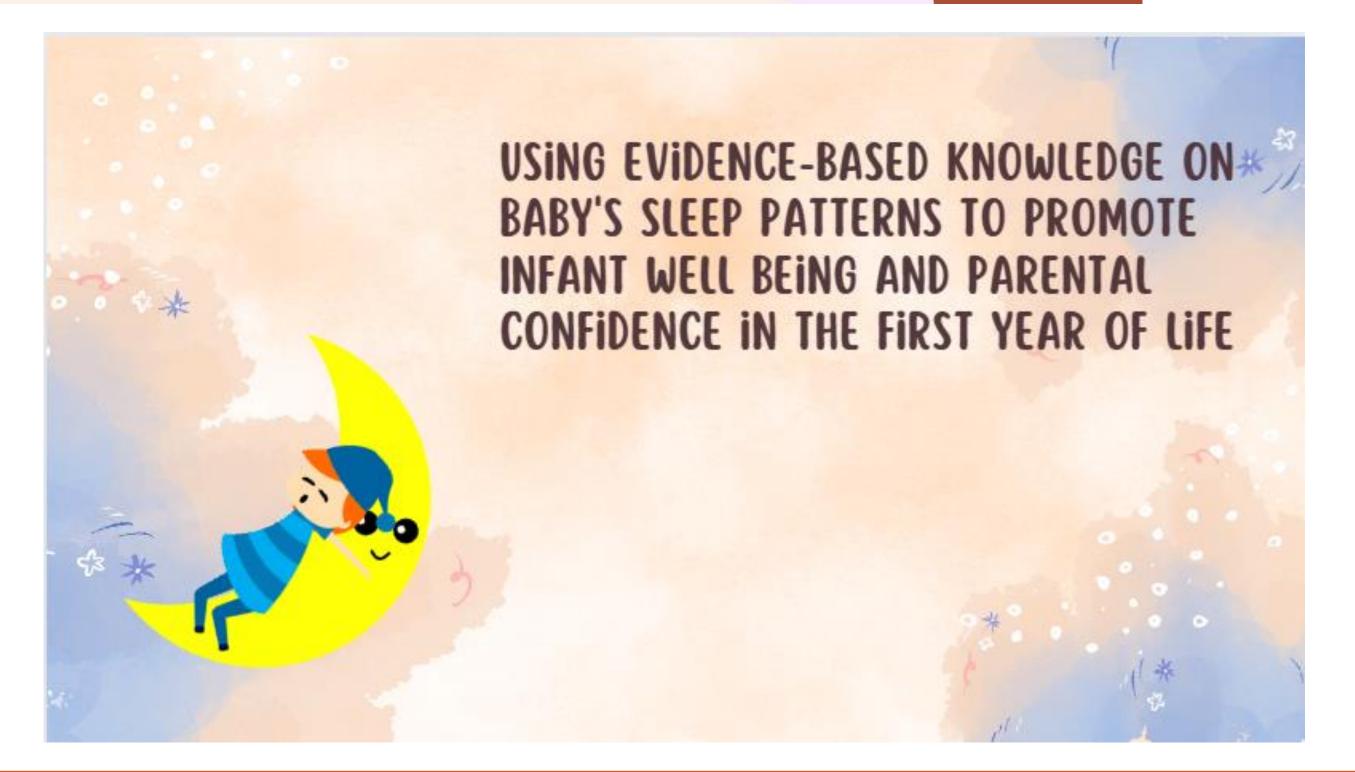
	Age	Sleep duration	Sleep cycles	Frequent feeding	
	Newborn (0-1 month)	14-17 hours a day	45-60 minutes	Every 2-3 hours	
	1-3 months	14-17 hours a day	60-90 minutes	Every 3-4 hours	
	4-6 months	12-16 hours a day	60-90 minutes	Every 3-4 hours	
	6-8 months	12-15 hours a day	90 minutes	Every 4-5 hours	
	9-12 months	12-15 hours a day	90 minutes	Every 4-5 hours	



- It's normal for newborns and babies to have more
- frequent night wakings and feedings to support growth
- · Cultural practices around sleep and bed sharing vary. • Ensure safety guidelines are followed if bed sharing is practiced.
- Select a method that aligns with your parenting philosophy, and your baby's needs.
- Study said babies between 0-3 months should not have a strict bedtime as their schedules are primarily determined by feeding needs.







Safe sleep practices and environmental factors:

- The American Academy of Pediatrics (AAP) recommended to place your baby in a crib or bassinet for sleep to reduce the risk of Sudden Infant Death Syndrome (SIDS).
- Transfer a sleeping baby from a swing or car seat to a crib or bassinet as soon as possible.
- Swaddle babies with arms free around 2 months to promote healthy hip development and reduce SIDS risk.
- Common sleep props include swings, pacifiers, rocking, and feeding to sleep; avoid over-reliance to help babies self-soothe. Encourage self-soothing to allow babies to fall back asleep
- independently during the night. Avoid letting your baby fall asleep with a bottle to minimize choking hazards and ear infections.
- Create a dark and comfortable sleep environment for better sleep quality.
- Use a pacifier during nap time and bedtime to help reduce
- SIDS risk, but be mindful of potential dental and ear issues. White noise may help infants sleep, but more research is needed on its effectiveness and safety.



Enhancing maternal mental health:

- After birth, maternal hormonal shifts can affect mothers' sleep patterns, emotional well-being. Brain structures also adapt to prioritize baby's needs over maternal sleep.
- Prioritize self-care, including nutrition and adequate rest
- Seek support from family, friends, or support group Consider professional help if feeling overwhelmed or experiencing persistent mood changes

Benefits of a bedtime routine:

- Bedtime routines often include:
- Bath
- Reading
- Singing Gentle play
- Creating a bedtime routine for a baby aged 4 to 8 months can stimulate cognitive development and strengthen the parent-child
- A consistent bedtime routine helps
- Promote better sleep habits,
- Provides a sense of security and predictability
- Improve overall sleep quality.
- Engaging in calming activities before bed helps reduce overstimulation and promotes a smoother transition to sleep.
- Establishing consistent pre-sleep activities helps the baby associate these activities with sleep, making it easier to fall asleep independently.

References





BEGINNING FOOD INTRODUCTION



Discussion

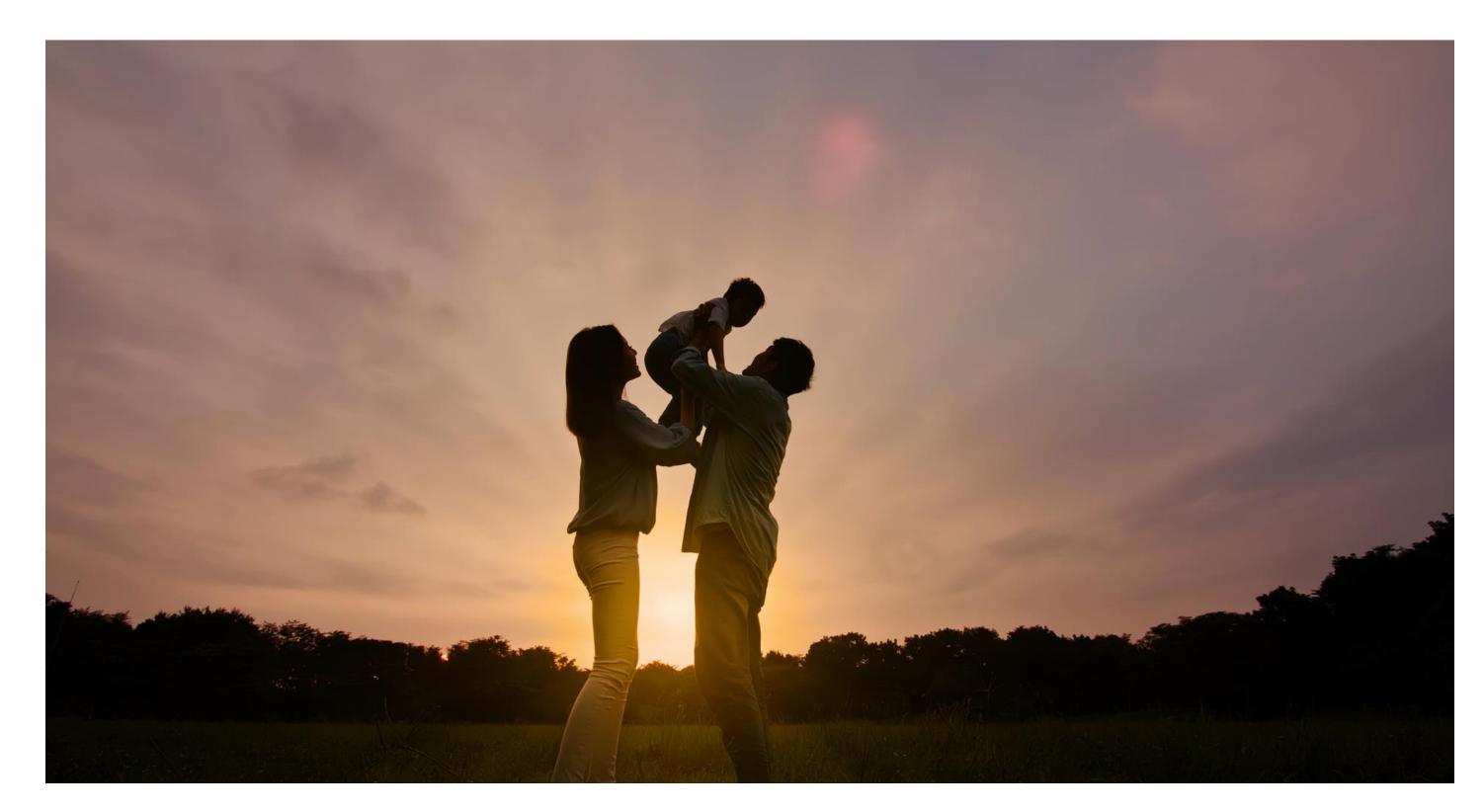




Impact

- Empowers parents with knowledge and confidence
- Promotes healthy development and age appropriate:
 - o Healthy sleep patterns
 - o Play activities
 - o Sensorimotor activities
- Helps reduce parental anxiety and maternal mental challenges





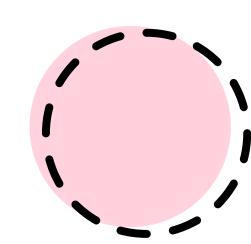
Future Implications



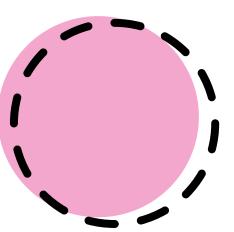
- Future OTD students to continue working with the company
- Providing webinars to parents, and pediatricians
- Collaborating with other healthcare professionals (speech language pathologists, physical therapists) to create more educational materials.

Acknowledgements

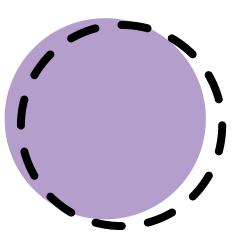
Thank,



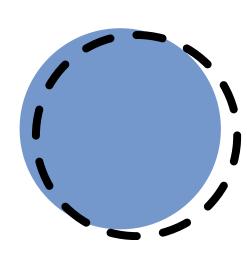
Capstone Site Mentor: Noelle Haight, OTR/L



UOP Mentor: Felicia Markfield, OTD, OTR/L



My family, Cohort 24



My husband, Jeremy Najera, and Avery Najera

References

- Aoyagi, S. S., & Tsuchiya, K. J. (2019). Does maternal postpartum depression affect children's developmental outcomes? The
 Journal of Obstetrics and Gynaecology Research, 45(9), 1809–1820. https://doi.org/10.1111/jog.14064
- Bathory, E., & Tomopoulos, S. (2017). Sleep regulation, physiology and development, sleep duration and patterns, and sleep hygiene in infants, toddlers, and preschool-age children. *Current Problems in Pediatric and Adolescent Health Care, 47*(2), 29-42. DOI: 10.1016/j.cppeds.2016.12.001
- Bass, J. D., Marchant, J. K., de Sam Lazaro, S. L., & Baum, C. M. (2024). Application of the Person-Environment-Occupation-Performance Model: A scoping review. *OTJR: Occupation, Participation and Health, 44*(3), 521–540. https://doi.org/10.1177/15394492241238951
- Boe, J. L., & Woods, R. J. (2018). Parents' influence on infants' gender-typed toy preferences. Sex Roles, 79(5-6), 358–373. https://doi.org/10.1007/s11199-017-0858-4
- Case-Smith, J., & O'Brien, J. C. (2015). Occupational therapy for children and adolescents (7th ed.). Elsevier.
- De-la-Morena-Perez, N., Corral-Liria, I., Sanchez-Alfonso, J., Becerro-de-Bengoa-Vallejo, R., Losa-Iglesias, M., & Jimenez-Fernandez, R. (2023). Experiences of women diagnosed with borderline personality disorder: Perception of motherhood, social, health, and construction of gender. *Perspective in Psychiatric Care.* https://doi.org/10.1155/2023/5345101



References

- Gentry, K., Snyder, K., Barstow, B., & Hamson-Utley, J. (2018). The Biopsychosocial Model: Application to occupational therapy practice. *The Open Journal of Occupational Therapy, 6*(4). https://doi.org/10.15453/2168-6408.1412
- Hanafin, S. (2018). Sleep patterns and problems in infants and young children in Ireland. *Child: Care, Health and Development,* 44(3), 470–475. https://o-doi.org.pacificatclassic.pacific.edu/10.1111/cch.12539
- Ilyka, D., Johnson, M. H., & Lloyd-Fox, S. (2021). Infant social interactions and brain development: A systematic review. *Neuroscience & Biobehavioral Reviews, 130*, 448-469. https://doi.org/10.1016/j.neubiorev.2021.09.001
- Michelson, N., Riis, J. L., & Johnson, S. B. (2016). Subjective Social Status and Psychological Distress in Mothers of Young Children. *Maternal and Child Health Journal*, 20(10), 2019–2029. doi:10.1007/s10995-016-2027-8
- Partfitt, Y., & Ayers, S. (2014). Transition to parenthood and mental health in first time parents. *Infant Mental Health Journal*, 35(3), 193-296. DOI: https://doi.org/10.1002/imhj.21443
- Tully, K. P., Stuebe, A. M., & Verbiest, S. B. (2017). The fourth trimester: A critical transition period with unmet maternal health needs. *American Journal of Obstetrics and Gynecology, 217*(1), 37–41. https://doi.org/10.1016/j.ajog.2017.03.032
- Satyanarayana, V. A., Lukose, A., & Srinivasan, K. (2011). Maternal mental health in pregnancy and child behavior. *Indian Journal of Psychiatry*, 53(4), 351–361. https://doi.org/10.4103/0019-5545.91911
- World Health Organization. (2019). To grow up healthy, children need to sit less and play more: New WHO guidelines on physical activity, sedentary behaviour and sleep for children under 5 years of age [News Release].
- Yoo, H., Ahn, S., Park, S., Kim, J., Oh, J., & Koh, M. (2021). Factors influencing prenatal and postpartum depression in Korea: A prospective cohort study. *Korean Journal Women Health Nursing*, 27(4), 326-336. DOI: https://doi.org/10.4069/kjwhn.2021.11.17

