

More Than Milk: How Lactation May Shift the Menopause Timeline

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Abstract

Emerging evidence suggests that breastfeeding has meaningful long-term implications for maternal health beyond the perinatal period, including its potential role in shaping reproductive aging. Prospective cohort data indicate that breastfeeding is associated with a reduced risk of early natural menopause, independent of parity, likely mediated by lactation-induced hormonal changes that suppress ovulation and influence ovarian reserve dynamics. More recent longitudinal research further demonstrates a dose–response relationship between cumulative lifetime lactation and menopause characteristics, with longer breastfeeding duration associated with reduced risk of early natural menopause as well as lower likelihood of surgical and hysterectomy-related menopause before midlife. Together, these findings suggest that breastfeeding may help “normalize” the timing of menopause within the biologically typical window (approximately 50–55 years), while also reducing downstream risks associated with early reproductive aging, including cardiovascular disease and metabolic dysfunction. Reframing breastfeeding as a contributor to lifelong maternal health may strengthen advocacy efforts, improve counseling relevance for mothers, and support more holistic, life-course approaches to care.

Session Objectives:

1. Synthesize current evidence linking lactation duration to menopause timing and type
2. Identify physiologic mechanisms connecting breastfeeding to long-term endocrine health
3. Integrate practical strategies to incorporate menopausal messaging into lactation support, clinical counseling, and public health programming

References:

1. Langton, C. R., Whitcomb, B. W., Purdue-Smithe, A. C., Sievert, L. L., Hankinson, S. E., Manson, J. E., Rosner, B. A., & Bertone-Johnson, E. R. (2020). Association of parity and breastfeeding with risk of early natural menopause. *JAMA Network Open*, 3(1), e1919615.
<https://doi.org/10.1001/jamanetworkopen.2019.19615>
2. Scime, N. V., Huang, B., Brockway, M. M., Brown, H. K., & Brennand, E. A. (2024). Association of lifetime lactation and characteristics of menopause: A longitudinal cohort study. *BMC Public Health*, 24, 3112.
<https://doi.org/10.1186/s12889-024-20508-7>
3. Scime, N. V., Shea, A. K., Faris, P. D., & Brennand, E. A. (2022). Association of lifetime lactation and age at natural menopause: A prospective cohort study. *Menopause*, 29(10), 1161–1167.
<https://doi.org/10.1097/GME.0000000000002046>



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