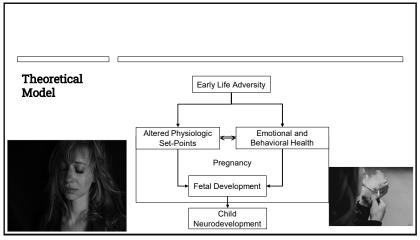
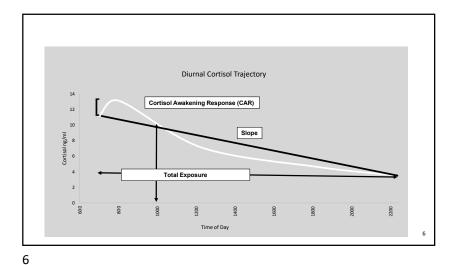


Objective To synthesize published findings on the relationship between early life adversity and hypothalamicpituitary-adrenal (HPA) cortisol parameters in pregnant women

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Results

N = 25 articles

Cortisol Measures: 48% saliva, 40% hair, 8% plasma & 4% amniotic fluid

Cortisol Parameters
1) Diurnal
2) Phasic
3) Tonic
4) Pregnancy-related changes

Results

Diurnal: daytime circadian variation

Elevated cortisol awakening response (CAR) (4/5)

Phasic: response to an acute stressor

Blunted phasic cortisol response (2) and delayed/prolonged phasic cortisol (1)

Pregnancy-related changes

Progressive increase in CAR (1) and steepening of diurnal cortisol slope (1)

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Tonic: increased baseline levels→
Current Social Stress
Low social support (1)
Low socioeconomic status (1)
Adulthood trauma (1)
Black race / racism (3)
Current Psychological Symptoms
Psychological distress (1)
PTSD symptoms (1)
Dissociative symptoms (1)

Takeaway

The cumulative effect of life course adversity in women is associated with altered cortisol regulation → evident during pregnancy

Implications for Women's Health
→ Resilience to stress and trauma
→ Emotional and behavioral health
→ Intergenerational transmission of trauma

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Integrative Review of Early Life
Adversity and Cortisol Regulation in
Pregnancy

Grat Male Republic Market Market Review of Early Life
Adversity and Cortisol Regulation in
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Grat Market Market

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