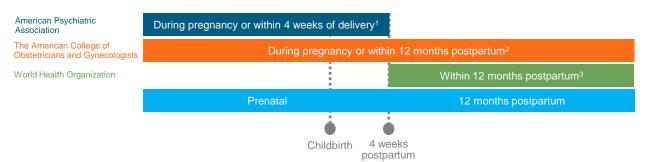
POSTPARTUM DEPRESSION (PPD)

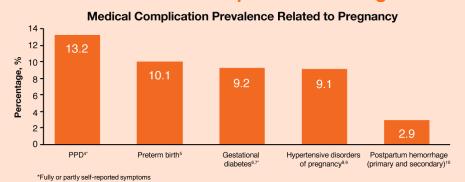
Expert opinions vary regarding the timing of onset of PPD symptoms.¹⁻³



PPD is not the same as the "baby blues."

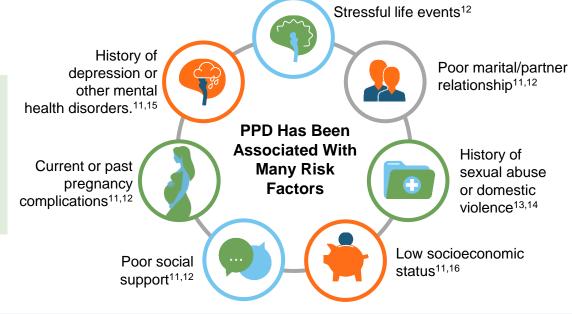
PPD is a serious medical condition that can pose risks to the mother, child, and their family.³

PPD symptoms are among the most common complications during and after pregnancy.⁴⁻¹⁰



In the **United States**, estimates of mothers with self-reported symptoms of PPD in 2018 varied by state from 9.7% to 23.5%, with an **overall prevalence of 13.2%.**⁴

The risk of PPD in women with a history of depression has been shown to be higher when compared to women without a history of depression.¹²



Anxiety can be a prominent symptom of PPD.¹⁷⁻²⁰

and has been associated with more severe disease outcomes.²¹ This may manifest as²²:

- Intrusive and/or obsessive thoughts about the newborn
- · Maladaptive anxiety-related behaviors such as:
- Frequent checking
- Distraction
- Self-assurance

PPD = postpartum depression.





POSTPARTUM DEPRESSION (PPD)



PPD can affect maternal outcomes.*

- Women with PPD may present with mood, cognitive, social, and somatic symptoms.^{1,23}
- PPD may impair a mother's overall function, ^{24,25} including the ability to:
- care for their baby^{26,27} and assume other responsibilities.^{24,25}
- care for their own physical needs.²⁵
- perform household chores.²⁸
- Women experiencing depressive symptoms during pregnancy may have an increased risk of preterm birth^{29,30} and/or an infant with low birth weight.²⁹
- Suicidality during or after pregnancy may be related to mental health conditions.³¹⁻³⁵

PPD symptoms have been associated with the following impacts on childcare and developmental outcomes.36



6 MONTHS

Impaired bonding between mother and child39

18 MONTHS

Decrease in child cognitive and fine motor development41,†

6 YEARS

Significantly attenuated growth45

18 YEARS

More likely to have adolescent depression43,47



4 MONTHS Association with overall unintentional injury to the child38



12 MONTHS

Significantly worse

communication skills⁴⁰



4 YEARS

and behavioral

problems42-44

Higher risk of emotional More likely to experience

10 YEARS

clinically significant

psychological difficulties⁴⁶



of children of mothers with PPD symptoms may last all the way into adulthood.47

Short- and long-term impacts on the physical³⁷⁻⁴² and mental⁴³⁻⁴⁷ development

Women may fall out of the

Based on a 2016 review of the PPD literature, only 6.6% of women with PPD received adequate treatment approaches and 50%-70% may have gone undiagnosed.48

perinatal care cascade.‡

Stigma and discrimination were frequently cited as deterrents to seeking help from a professional source. 49

Implementing routine screening policies for PPD can lead to improved screening rates,50-54 increased identification of depression,⁵¹ better connection to care,^{53,54} and reduced duration or severity of depressive symptoms. 50, 55-57

Mothers with PPD have been shown to have higher healthcare costs, more outpatient visits, and higher prescription painkiller use.§

- Mothers with PPD experienced higher all-cause healthcare costs paid by the insurer than mothers without PPD (\$19,611 vs \$15,410; p<0.01).58
- Mothers with PPD made on average 11 more outpatient visits and used more prescription painkillers during their first year postpartum than mothers without PPD.58,59
- Households of PPD mothers experienced 22% higher medical costs postpartum than those of mothers without PPD.58

*No studies included patients with a confirmed clinical diagnosis of PPD. All patients were identified using a screening tool, such as the Edinburgh Postnatal Depression Scale, rather than a diagnostic tool.

†Based on data from self-reported measures of maternal depression, trait anxiety, and personality traits in a cohort during pregnancy and 8 weeks postpartum. Neurodevelopment at 18 months was assessed using the Bayley Scales of Infant and Toddler Development (3rd ed).

Based on data from the comprehensive postpartum care visits from >20 million women in the annual National Ambulatory Medical Care Surveys from Dec 2008 to Dec 2016 in the United States.⁴⁹

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PRD = postpartum depression.

1. American Psychiatric Association. *Diagnostic and Statistical Manual of Mental Disorders*. 5th ed; 2013. 2. ACOG Committee Opinion No. 757. *Obstet Gynecol*. 2018;132(5):e208-e212. 3. Stewart DE, et al. University Health Network Women's Health Program (Apression Psychiatric Association. *Diagnostic and Statistical Manual of Mental Disorders*. 5th ed; 2013. 2. ACOG Committee Opinion No. 757. *Obstet Gynecol*. 2018;132(5):e208-e212. 3. Stewart DE, et al. University Health Network Women's Health Program (Apression Psychiatry 2020). 49:575-581. 5. Martin JA, et al. *Individia Stat Rep*. 2020;413:1-8. 6. DeSisto CL, et al. *Prev Chronic Dis*. 2014;11:E104. 7. Centers for Disease Control and Prevention. Updated 28 Feb 2019. A cessed 2 Feb 2022. https://www.cdc.gov/reproductivehealth/maternalinfanthealthy/repancy-complications-data htm. 9. ACOG: Task Force on Hypertension in Pregnancy. *Obstet Gynecol*. 2013;12(5):1122-1131. 10. Callaghan WM, et al. *Am J Obstet Gynecol*. 2010;202(4):353.e1-353.e6. 11. Robertson E, et al. *Gen Hosp Psychiatry*. 2004;26:289-295. 12. Biaggi A, et al. *J Affect Disord*. 2016;191:62-77. 13. Howard LM, et al. *PLoS Med*. 2013;10(5):e1001452. 14. Wosu AC, et al. *Arch Womens Ment Health*. 2015;18(5):659-671. 15. Silverman ME, et al. *Depress Anxiety*. 2017;34(2):178-187. 16. Goyal D, et al. *Womens Ment Health*. 2015;18(5):659-676. 11. Prospartum Depression: Action Womens Ment Health. 2015;18(3):447-4461. 20. Beck CT, et al. *J Obstet Gynecol Neonalal Nurs*. 2005;34(5):699-576. 21. Prospartum Depression: Action Womens Ment Health. 2015;18(3):447-4461. 20. Beck CT, et al. *J Obstet Gynecol Neonalal Nurs*. 2005;34(5):699-576. 21. Prospartum Depression: Action Womens Ment Health. 2016;18(1):169-176. 22. Posmontiz JS, et al. *Arch Womens Ment Health*. 2015;19(1):130-318. 26. Thurgood S, et al. *Am J Clim Med*. 2009;6(2):174-22. 7. McLeam KT, et al. *Arch Popichal Nurs*. 2008;34(3):174-185. 25. Posmontier B. *J Midwithey Womens Ment Health*. 2001;74(1):140-145. 2



