



MotherToBaby

Medications & More During Pregnancy & Breastfeeding  
Ask The Experts

Fact Sheet

by the **Organization of Teratology Information Specialists (OTIS)**

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## Hydrocodone

### Selected References:

- Anderson PO et al, 2007 Hydrocodone excretion into breast milk: the first two reported cases. *Breastfeeding Medicine* 2(1):10-14.
- Bodley V et al, 1997. Long-term treatment of a breastfeeding mother with fluconazole-resolved nipple pain caused by yeast: a case study. *J Hum Lact* 13(4):307-311.
- Broussard CS, et al, 2011. Maternal treatment with opioid analgesics and risk for birth defects. *Am J Obstet Gynecol* 204(4):314.e1-11.
- Desai RJ et al, 2015. Exposure to prescription opioid analgesics in utero and risk of neonatal abstinence syndrome: population based cohort study. *BMJ* 350:h2012.
- Heinonen OP et al, 1977. *Birth Defects and Drugs in Pregnancy*. Littleton, MA: Publishing Sciences Group.
- Kellogg A et al, 2011. Current trends in narcotic use in pregnancy and neonatal outcomes. *Am J Obstet Gynecol* 204(3):259.e1-4.
- Patrick SW et al, 2015. Prescription opioid epidemic and infant outcomes. *Pediatrics* 135(5):842-850.
- Reece-Stremtan S et al, 2017. ABM Clinical Protocol #15: Analgesia and Anesthesia for the Breastfeeding Mother, Revised 2017. *Breastfeeding Medicine* 12(9).
- Rosa F, personal communication, FDA, 1993. Cited in: Briggs GG et al. *Drugs in Pregnancy and Lactation Online*, Hudson, Ohio: Wolters Kluwer Clinical Drug Information, Inc. Nov 15, 2017.
- Sauberan JB et al, 2011. Breast milk hydrocodone and hydromorphone levels in mothers using hydrocodone for postpartum pain. *Obst Gynecol* 117(3):611-617.
- Schick B et al, 1996. Preliminary analysis of first trimester exposure to oxycodone and hydrocodone. *Reprod Toxicol* 10:162.
- Shirel T et al, 2016. Maternal opioid dose is associated with neonatal abstinence syndrome in children born to women with sickle cell disease. *Am J Hematology* 91(4):416-416.
- Smith MV et al, 2015. Clinical correlates of prescription opioid analgesic use in pregnancy. *Matern Child Health J* 19(3):548-556.

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