



MotherToBaby

Medications & More During Pregnancy & Breastfeeding
Ask The Experts

Fact Sheet

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

For more information about us or to find a service in your area,
call **(866) 626-6847**. Visit us online at **www.MotherToBaby.org**.

Find us! Facebook.com/MotherToBaby or @MotherToBaby on Twitter

Nausea and Vomiting of Pregnancy (NVP)

Selected References:

- American College of Obstetrics and Gynecology (ACOG). 2018. Practice Bulletin No. 189 on NVP. *Obstet Gynecol.* 131(1):15-30.
- Anderka M, et al. 2012. Medications used to treat nausea and vomiting of pregnancy and the risk of selected birth defects. *Birth Defects Res A Clin Mol Teratol*; 94(1):22-30.
- Association of Professors of Gynecology and Obstetrics (APGO). 2015. Educational series on women's health issues on nausea and vomiting of pregnancy. Attard CL, et al. 2002. The burden of illness of severe nausea and vomiting of pregnancy in the United States. *Am J Obstet Gynecol.* 2002 May;186(5 Suppl):S220-7.
- Chortatos A, et al. 20 Pregnancy complications and birth outcomes among women experiencing nausea only or nausea and vomiting during pregnancy in the Norwegian Mother and Child Cohort Study. *BMC Pregnancy Childbirth.* 15:138.
- Clark SM, et al. 2014. The outpatient management and special considerations of nausea and vomiting in pregnancy. *Semin Perinatol.* 38(8):496-502.
- Colodro-Conde L, et al. 2016. Nausea and Vomiting During Pregnancy is Highly Heritable. *Behav Genet.* 46(4):481-91.
- Ebrahimi N, et al. 2010. Optimal management of nausea and vomiting of pregnancy. *International Journal of Women's Health 2:* 241–248.
- Fiaschi L, et al. 2018. Adverse Maternal and Birth Outcomes in Women Admitted to Hospital for Hyperemesis Gravidarum: a Population-Based Cohort Study. *Paediatr Perinat Epidemiol*; 32(1):40-51.
- Gill SK, et al. 2009. The effect of Acid-reducing pharmacotherapy on the severity of nausea and vomiting of pregnancy. *Obstet Gynecol Int.* 2009:5852
- Heitmann K, et al. 2016. Nausea in pregnancy: attitudes among pregnant women and general practitioners on treatment and pregnancy care. *Scand J Prim Health Care.* 34(1):13-20.
- Heitmann K, et al. 2016. Treatment of nausea and vomiting during pregnancy -a cross-sectional study among 712 Norwegian women. *Eur J Clin Pharmacol.* 72(5):593-604.
- Koren G, Maltepe C. 2004. Pre-emptive therapy for severe nausea and vomiting of pregnancy and hyperemesis gravidarum. *J Obstet Gynaecol.* Aug; 24(5):530–533.
- Koren G, et al. 2014. The protective effects of nausea and vomiting of pregnancy against adverse fetal outcome – a systematic review. *Reprod Toxicol.* 47:77-80.
- Koren G & Maltepe C. How to Survive Morning Sickness Successfully. Available at: http://www.motherisk.org/documents/BSRC_morning_sickness_EN.pdf [accessed 2/2106].
- Madjunkova S, et al. 2013. The Leading Concerns of American Women with Nausea and Vomiting of Pregnancy Calling Motherisk NVP Helpline. *Obstet Gynecol Int.* April 2013:752980. doi: 10.1155/2013/752980.
- Maltepe C, Koren G. 2013. The management of nausea and vomiting of pregnancy and hyperemesis gravidarum-a 2013 update. *J Popul Ther Clin Pharmacol.* 20(2):e184-92.
- Maltepe C, Koren G. 2013. Preemptive treatment of nausea and vomiting of pregnancy: results of a randomized controlled trial. *Obstet Gynecol Int:*809787. 2013; 2013:809787. doi: 10.1155/2013/809787.
- McCormack D. 2010. Hypnosis for hyperemesis gravidarum. *J Obstet Gynaecol* 30(7):647-53. Review.
- Nulman I, et al. 2009. Long-term neurodevelopment of children exposed to maternal nausea and vomiting of pregnancy and Diclectin. *J Pediatr.* 155:45–50.
- Veenendaal MV, et al. 2011. Consequences of hyperemesis gravidarum for offspring: a systematic review and meta-analysis. *BJOG.* 118(11):1302-13.
- Weigel RM, Weigel MM. 1989. Nausea and vomiting of early pregnancy and pregnancy outcome. A meta-analytical

review. Br J Obstet Gynaecol; 96:1312–1318.

April, 2018

If you have questions about the information on this fact sheet or other exposures during pregnancy and breastfeeding, call MotherToBaby at (866) 626-6847. Copyright by OTIS.

