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## Bupropion (Wellbutrin<sup>®</sup>) and Pregnancy

This sheet talks about the risks that exposure to bupropion can have during pregnancy. With each pregnancy, all women have a 3% to 5% chance of having a baby with a birth defect. This information should not take the place of medical care and advice from your health care provider.

### ***What is bupropion?***

Bupropion is a medication used to treat depression and seasonal affective disorder. It is marketed under the trade name Wellbutrin<sup>®</sup>. Bupropion is also sold under the trade name Zyban<sup>®</sup> as an aid to quit smoking. Bupropion belongs to the class of antidepressants known as norepinephrine-dopamine reuptake inhibitors (NDRI), which help balance the levels of norepinephrine and dopamine in the brain.

### ***I am taking bupropion, but I would like to stop taking it before becoming pregnant. How long does bupropion stay in my body?***

While it can vary from person to person, it generally takes about 12 hours to eliminate half of the drug from the body. Bupropion is almost completely gone from the body in three days. Pregnant women who suddenly stop taking their antidepressants are at risk for physical and psychological symptoms. Symptoms may include: dizziness, stomach upset, and nervousness or anxiety. If a woman plans to stop taking her bupropion, it is recommended that this be done slowly over time. If you are considering coming off your treatment with bupropion, please talk with your doctor to decide if the benefits of not taking this medication during pregnancy outweigh the risk of your symptoms returning.

### ***Can bupropion make it more difficult for me to become pregnant?***

Infertility was not seen in rat studies. There are no studies that look specifically at fertility in women taking bupropion. Two cases have been reported of irregular menstrual cycles linked to

bupropion use. However, these case reports did not mention fertility problems.

### ***Does bupropion use increase the risk for miscarriage?***

One study reported miscarriages occur more often in pregnant women taking bupropion as compared to women not taking this medication. However, the rate of miscarriage in women taking bupropion was not above what is considered to be the background rate for miscarriage in the general population.

### ***Can taking bupropion during my pregnancy cause birth defects?***

Two studies have been done to examine the effects of using bupropion during pregnancy. The manufacturer's pregnancy registry reported there was not an increased risk for major birth defects following first trimester exposure to bupropion. Another study also showed no increase in the rates of birth defects when bupropion was taken during pregnancy. Therefore, it is unlikely that using bupropion during pregnancy would increase the risk for birth defects over a background risk.

### ***Should I stop taking bupropion when I find out I am pregnant? What about weaning off bupropion before the third trimester?***

In pregnant women who have untreated depression, there are reports of increased risk for miscarriage and preterm delivery, as well as babies born with complications and low birth weight. Untreated depression in pregnancy can continue after delivery as postpartum depression, which is a serious condition that should be treated.

Your doctor should be involved in your decision of whether or not to stop antidepressant therapy. If you choose to stop your medication, your doctor can help you wean off it in a slow and controlled manner.

***I need to take bupropion throughout my entire pregnancy. Will it cause withdrawal symptoms in my baby?***

There are no reports of third trimester exposure to bupropion and withdrawal symptoms in babies. Some infants whose mothers took other antidepressants near the end of pregnancy have had withdrawal symptoms like irritability, jitteriness, sleep disturbances, and eating difficulties. These symptoms usually go away within a few days to two weeks. It is important to decide with your doctor whether the treatment of depression with bupropion offsets the risk of potential symptoms in the newborn.

***Will taking bupropion have any long-term effect on my baby's behavior and development?***

There are currently no long-term studies on children exposed to bupropion during pregnancy. We do not know if taking bupropion during pregnancy would have any long term effects on learning and behavior.

***Can I take bupropion while breastfeeding?***

Please talk to your doctor if you need to take bupropion while breastfeeding. Bupropion is found in breast milk. A mother taking the recommended dosage of bupropion passes only a small amount of the drug to an infant. Breastfeeding while taking bupropion should not be harmful for most babies.

Bupropion can bring on seizures in individuals prone to them. There is a report of one baby exposed to bupropion through breast milk who then had seizures. The seizures stopped when the mother stopped taking bupropion. The small amount of bupropion passed through breast milk may have more impact on premature infants or babies with other complications. More studies are needed to better focus on this area.

In some women, bupropion can reduce the amount of milk their bodies make. If you notice this, please tell your doctor.

***What if the father of the baby takes bupropion?***

There are no studies looking at possible risks to a pregnancy when the father takes bupropion. In general, medications that the father is exposed to would not increase the risk to a pregnancy because the father does not share a blood connection with the developing baby. For more information, please see the OTIS fact sheet *Paternal Exposures and Pregnancy*.

***OTIS is currently conducting a study looking at women who take antidepressants during pregnancy and choose to continue or discontinue their medication. If you are interested in taking part in the study, please call 1-877-875-7333.***

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***If you have questions about the information on this fact sheet or other exposures during pregnancy, call OTIS at 1-866-626-6847.***