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## Ibuprofen and Pregnancy

This sheet talks about the risks that exposure to ibuprofen 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 ibuprofen?***

Ibuprofen is a nonsteroidal anti-inflammatory drug (NSAID) commonly used to treat arthritis, headaches, muscle aches, fever, and menstrual cramps. Other names for ibuprofen include Motrin<sup>®</sup>, Advil<sup>®</sup>, and Nuprin<sup>®</sup>. Ibuprofen is also an ingredient in many over-the-counter combination products.

### ***Is it true that taking ibuprofen early in pregnancy can increase the risk for miscarriage?***

Two studies have found an increased risk of miscarriage with the use of NSAIDs such as ibuprofen early in pregnancy; however, several other studies did not find this association. There are also concerns that drugs such as ibuprofen may interfere with implantation of the early fetus. While a clear risk has not been established, women who are trying to conceive may wish to avoid ibuprofen.

### ***I just found out I am pregnant, and I used ibuprofen last week for a headache. Can this cause a birth defect in my baby?***

When ibuprofen is used as directed in the first and second trimester of pregnancy, it is not associated with an increased risk for birth defects. However, ibuprofen is generally not the pain reliever of choice during pregnancy because there are concerns with the use of

ibuprofen during the third trimester. As with any medication in pregnancy, it should only be taken as needed and with the approval of your health care provider.

### ***I am 7 months pregnant. Can I take ibuprofen?***

There is concern with the use of ibuprofen in the third trimester. The greatest concern is for premature closure of the ductus arteriosus (a vessel in the fetal heart), which can lead to high blood pressure in the fetal lungs (pulmonary hypertension). The use of ibuprofen later in pregnancy may inhibit labor or cause reduced amount of amniotic fluid (oligohydramnios). Therefore, it is recommended that women use ibuprofen only under a health care provider's supervision during the third trimester.

### ***I need to continue taking ibuprofen regularly throughout my pregnancy because of a medical condition. What can I expect from its use?***

Studies have not found an increased risk for birth defects, low birth weight, or preterm labor with the use of NSAIDs in the first and second trimester of pregnancy. The concerns regarding use in the third trimester warrant close monitoring, and your doctor may follow the status of your baby's heart and amniotic fluid volume in the third trimester by ultrasound. Additionally, you should be on the

lowest dose that effectively treats your condition.

### ***Can I take ibuprofen while I breastfeed?***

The American Academy of Pediatrics has classified ibuprofen as approved for use in breastfeeding mothers. Ibuprofen enters breast milk in very low levels. One study stated that under normal dosing, the nursing infant would be exposed to less than 1mg of ibuprofen per day.

### ***My baby's father was taking Advil regularly for backaches when I became pregnant. Will this affect my pregnancy?***

There is no evidence to suggest that a father's use of ibuprofen causes infertility or birth defects.

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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**.*

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