

HIV Positive Women and Their Babies After Birth

I am an HIV positive pregnant woman and I am currently on an anti-HIV drug regimen. Will my regimen change after I give birth?

Many women who are on an anti-HIV drug regimen during pregnancy decide to stop or change their regimens after they give birth. You and your doctor should discuss your **postpartum** treatment options during your pregnancy or shortly after delivery. Don't stop taking any of your drugs without consulting your doctor first. Stopping drug treatment could lead to problems.

How will I know if my baby is infected with HIV?

Babies born to HIV infected mothers are tested for HIV differently than adults. Adults are tested by looking for antibodies to HIV in their blood. A baby keeps antibodies from its mother, including antibodies to HIV, for many months after birth. Therefore, an antibody test given before the baby is 1 year old may be positive even if the baby does NOT have HIV infection. For the first year, babies are tested for HIV directly, and not by looking for antibodies to HIV. When babies are more than 1 year old, they no longer have their mother's antibodies and can be tested for HIV using the antibody test.

Preliminary HIV tests for babies are usually performed at three time points:

- within 48 hours of birth
- at 1 to 2 months of age
- at 3 to 6 months of age

Babies are considered HIV infected if they test positive on two of these preliminary HIV tests.

At 12 months, babies who test positive in the preliminary tests should have an HIV antibody test to confirm infection. Babies who test negative for HIV antibodies at this time are not HIV infected. Babies who test positive for HIV antibodies will need to be retested at 15 to 18

Terms Used in This Fact Sheet:

Adherence: how closely you follow, or adhere to, your treatment regimen. This includes taking the correct dose at the correct time as prescribed by your doctor.

Anemia: a condition in which there are too few red blood cells in the blood. Without enough red blood cells, not enough oxygen gets to tissues and organs. Symptoms of anemia include fatigue, chest pain, and shortness of breath.

CDC (Centers for Disease Control and Prevention): an agency of the U.S. Federal government that focuses on disease prevention and control, environmental health, and health promotion and education. www.cdc.gov.

Complete blood count (CBC): a routine blood test that measures white and red blood cell counts, platelets (cells involved in blood clotting), hematocrit (amount of iron in the blood), and hemoglobin (an iron-containing substance in red blood cells). Changes in the amounts of each of these may indicate infection, anemia, or other problems.

Mother-to-child transmission: the passage of HIV from an HIV positive mother to her infant. The infant may become infected while in the womb, during labor and delivery, or through breastfeeding. Also known as perinatal transmission.

Oral: to be taken by mouth.

P. carinii/jiroveci pneumonia (PCP): a common opportunistic infection in which fluid develops in the lungs. It is caused by the fungus *Pneumocystis carinii/jiroveci*. PCP is considered an AIDS-defining illness by the CDC.

Postpartum: the time after giving birth.

months. A positive HIV antibody test given after 18 months of age confirms HIV infection in children.

Are there any other tests my baby will receive after birth?

Babies born to HIV positive mothers should have a **complete blood count (CBC)** after birth. They should also be monitored for signs of **anemia**, which is the main negative side effect caused by the 6-week zidovudine (ZDV or AZT) regimen infants should take to reduce the risk of HIV infection. They may also undergo other routine blood tests and vaccinations for babies.

HIV Positive Women and Their Babies After Birth (continued)

Will my baby receive anti-HIV treatment?

It is recommended that all babies born to HIV positive mothers receive a 6-week course of **oral ZDV** to help prevent **mother-to-child transmission** of HIV. This oral ZDV regimen should begin within 6 to 12 hours after your baby is born. Some doctors may recommend that ZDV be given in combination with other anti-HIV drugs. You and your doctor should discuss the options to decide which treatment is best for your baby.

In addition to anti-HIV treatment, your baby should also receive treatment to prevent **P. carinii/jiroveci pneumonia (PCP)**. The recommended treatment is a combination of the drugs sulfamethoxazole and trimethoprim. This treatment should be started when your baby is 4 to 6 weeks old and should continue until your baby is confirmed to be HIV negative. If your baby is HIV positive, he or she will need to take this treatment indefinitely.

What type of medical follow-up should I consider for my baby and me after I give birth?

Seeking the right medical and supportive care services is important for your and your baby's health. These services may include:

- routine medical care
- HIV specialty care
- family planning services
- mental health services
- substance abuse treatment
- case management

Talk to your doctor about these services and any others you may need. He or she should be able to help you locate appropriate resources.

What else should I think about after I give birth?

The CDC recommends that in areas where safe drinking water and infant formula are available (such as the United States), women should not breastfeed in order to avoid transmission of HIV to their infants through breast milk.

Physical and emotional changes during the postpartum period, along with the stresses and demands of caring for a new baby, can make it difficult to follow your anti-HIV drug regimen. **Adherence** to your regimen is important for you to stay healthy (see [What is Treatment Adherence Fact Sheet](#)). Other issues you may want to discuss with your doctor include:

- concerns you may have about your regimen and treatment adherence
- feelings of depression (many women have these feelings after giving birth)
- long-term plans for continuing medical care and anti-HIV drug treatment for you and your baby

For more information about HIV and pregnancy, your doctor can contact the National HIV Telephone Consultation Service (Warmline), a service that provides health care professionals with HIV information. The number is 1-800-933-3413.

If you are interested in joining a pregnancy registry that monitors HIV positive women during their pregnancies and after giving birth, please visit the Food and Drug Administration's Guide to Pregnancy Registries at www.fda.gov/womens/registries. Researchers are especially interested in learning more about the effects of anti-HIV drugs during pregnancy. HIV positive pregnant women are therefore encouraged to register with the Antiretroviral Pregnancy Registry at 1-800-258-4263 or www.APRegistry.com.

For more information:

Contact your doctor or an *AIDSinfo* Health Information Specialist at 1-800-448-0440 or <http://aidsinfo.nih.gov>.