



3. Fix the threads tightly in the cleft at the end of the handle (figure 4).

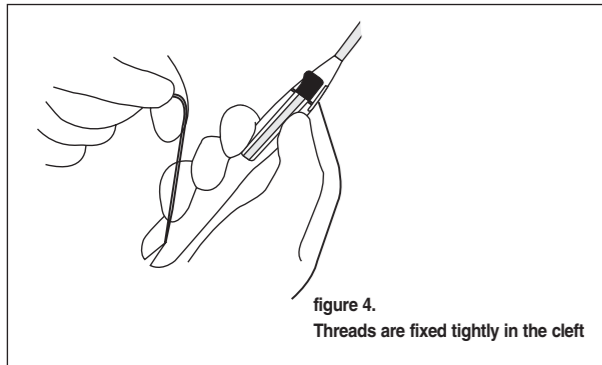


figure 4.  
Threads are fixed tightly in the cleft

4. Set the flange to the depth measured by the sound, as indicated in figure 5.

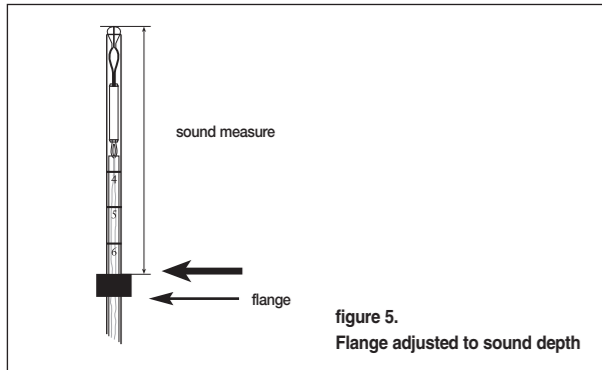


figure 5.  
Flange adjusted to sound depth

5. MIRENA® is now ready to be inserted.

Hold the slider firmly in the furthestmost position (at the top of the handle). Grasp the cervix with the tenaculum and apply gentle traction to align the cervical canal with the uterine cavity. Gently insert the inserter into the cervical canal and advance the insertion tube into the uterus until the flange is situated at a distance of about 1.5-2 cm from the external cervical os to give sufficient space for the arms to open (figure 6).

**NOTE!** Do not force the inserter.

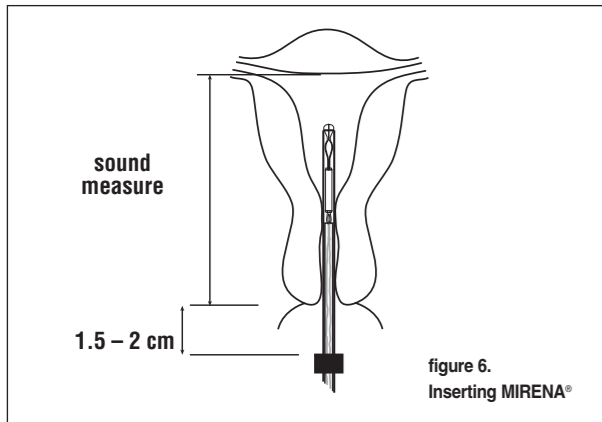


figure 6.  
Inserting MIRENA®

6. While holding the inserter steady release the arms of MIRENA® (figure 7a) by pulling the slider back until the top of the slider reaches the mark (raised horizontal line on the handle) (figure 7b).

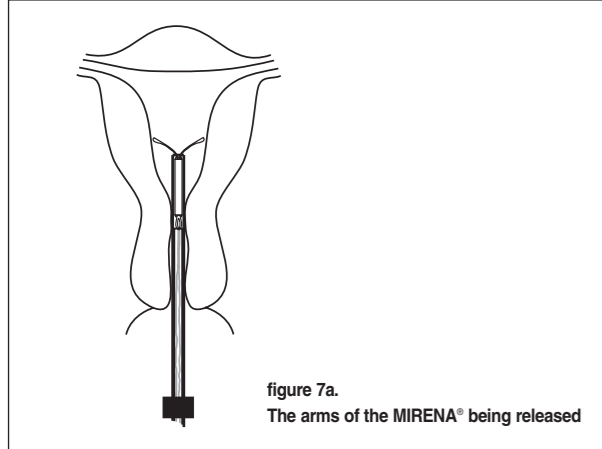


figure 7a.  
The arms of the MIRENA® being released

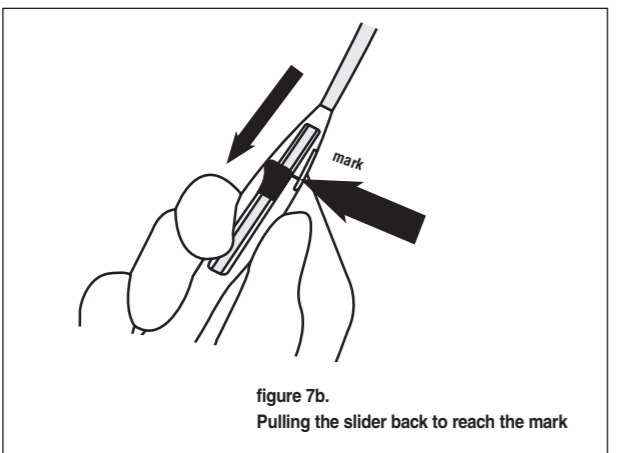


figure 7b.  
Pulling the slider back to reach the mark

7. Push the inserter gently into the uterine cavity until the flange touches the cervix. MIRENA® should now be in the fundal position (figure 8).

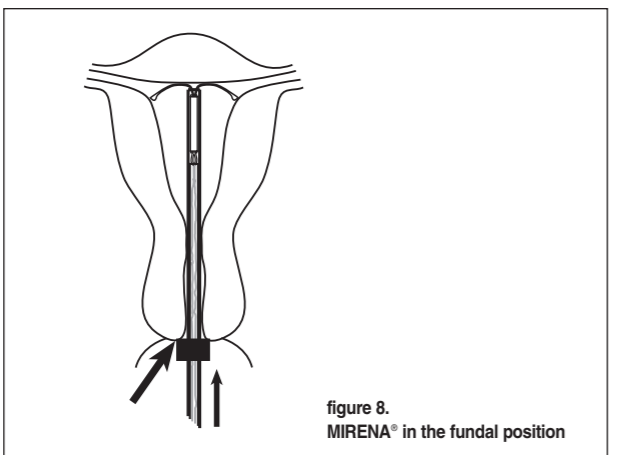


figure 8.  
MIRENA® in the fundal position

8. Holding the inserter firmly in position release MIRENA® by pulling the slider down all the way. The threads will be released automatically (figure 9).

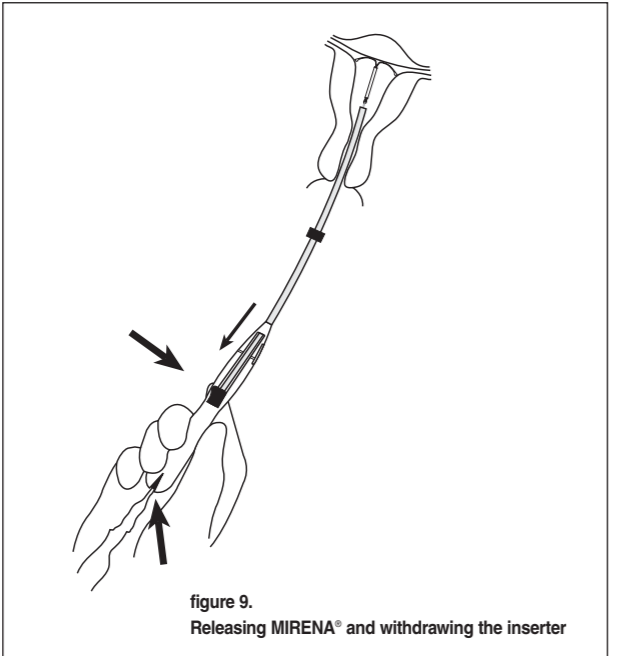


figure 9.  
Releasing MIRENA® and withdrawing the inserter

9. Remove the inserter from the uterus. Cut the threads to leave about 2-3 cm visible outside the cervix (figure 10).

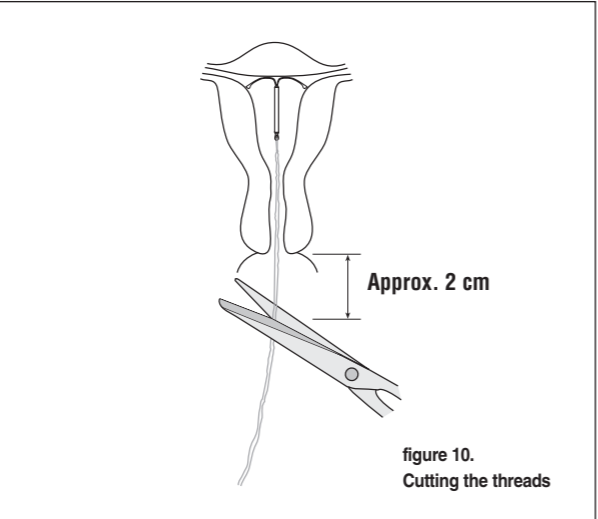


figure 10.  
Cutting the threads

**IMPORTANT!**  
If you suspect that the system is not in the correct position, check placement, (with ultrasound, for example). Remove the system if it is not positioned completely within the uterus. Do not reinsert a removed system.

**REMOVAL OF MIRENA®**  
Remove MIRENA® by applying gentle traction on the threads with forceps. The arms of the system will fold upward as it is withdrawn from the uterus. The system should not remain in the uterus after 5 years.

**SPECIAL NOTES IF A PATIENT WANTS TO CONTINUE CONTRACEPTION AFTER REMOVAL**

You may insert a new MIRENA® immediately following removal. If a patient with regular cycles wants to start a different birth control method, remove the system during the first 7 days of the menstrual cycle and start the new method. If a patient with irregular cycles or amenorrhea wants to start a different birth control method, or if you remove the system after the seventh day of the menstrual cycle, start the new method at least 7 days before removal.

**PATIENT INFORMATION**

**MIRENA® (levonorgestrel-releasing intrauterine system)**

MIRENA® (Mur-à-nah) is used to prevent pregnancy. It does not protect against HIV infection (AIDS) and other sexually transmitted diseases (STDs).

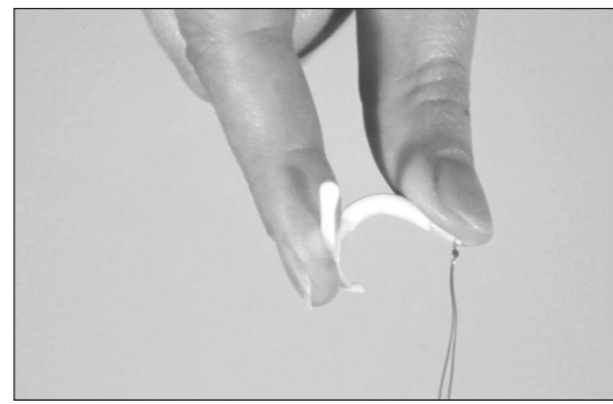
Read this information carefully before you decide if MIRENA® is right for you. This information does not take the place of talking with your health care provider. If you have any questions about MIRENA®, ask your health care provider. You should also learn about other birth control methods to choose the one that is best for you.

**WHAT IS MIRENA®?**  
MIRENA® is a hormone-releasing system placed in your uterus to prevent pregnancy for up to 5 years. MIRENA® is T-shaped. It contains a hormone called levonorgestrel. Levonorgestrel is a progestin hormone often used in birth control pills. MIRENA® releases the hormone into the uterus. Only small amounts of the hormone enter your blood.

Two brown threads are attached to the stem of the T. You can check that MIRENA® is in place by feeling for the threads at the top of your vagina with your fingers. Your health care provider can also remove MIRENA® at any time by pulling on the threads. The threads are the only part of MIRENA® you can feel when MIRENA® is in your uterus.



The MIRENA® is small...

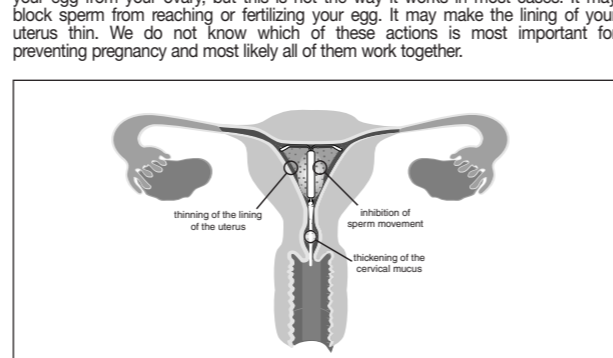


and flexible

**What if I need birth control for more than 5 years?**  
You must have MIRENA® removed after 5 years, but your health care provider can insert a new MIRENA® then if you choose to continue using MIRENA®.

**What if I change my mind about birth control and decide to have another baby?**  
Your health care provider can remove MIRENA® at any time by pulling on the threads. You may become pregnant as soon as MIRENA® is removed. About 8 out of 10 women who want to become pregnant will become pregnant some time in the first year after MIRENA® is removed.

**How does MIRENA® work?**  
There is no single explanation of how MIRENA® works. It may stop release of your egg from your ovary, but this is not the way it works in most cases. It may block sperm from reaching or fertilizing your egg. It may make the lining of your uterus thin. We do not know which of these actions is most important for preventing pregnancy and most likely all of them work together.



**How well does MIRENA® work?**  
Less than 1 out of 100 women using MIRENA® become pregnant during five years of MIRENA® use.

The following table shows how MIRENA® compares to other birth control methods. In this table MIRENA® is identified as "LNG 20".

**Pregnancy Rates for Birth Control Methods**  
(For One Year of Use)

Method	Typical Use Rate of Pregnancy	Lowest Expected Rate of Pregnancy
<b>Sterilization</b>		
Male Sterilization	0.15%	0.1%
Female Sterilization	0.5%	0.5%
<b>Hormonal Methods:</b>		
Implant (Norplant® and Norplant-2™)	0.05%	0.05%
Hormone Shot (Depo-Provera)	0.3%	0.3%
Combined Pill (Estrogen/Progestin)	5%	0.1%
Minipill (Progestin only)	5%	0.5%
<b>Intrauterine Devices (IUDs):</b>		
Copper T	0.8%	0.6%
Progestasert	2%	1.5%
LNG 20	0.1%	0.1%
<b>Barrier Methods:</b>		
Male Latex Condom <sup>1</sup>	14%	3%
Diaphragm <sup>2</sup>	20%	6%
Vaginal Sponge (no previous births) <sup>3</sup>	20%	9%
Vaginal Sponge (previous births) <sup>3</sup>	40%	20%
Cervical Cap (no previous births) <sup>1</sup>	20%	9%
Cervical Cap (previous births) <sup>1</sup>	40%	26%
Female Condom	21%	5%
Spermicide (gel, foam, suppository, film)	26%	8%
<b>Natural Methods:</b>		
Withdrawal	19%	4%
<b>Natural Family Planning</b> (calendar, temperature, cervical mucus)	25%	1-9%
<b>No Method:</b>	85%	85%
<small>1 Used Without Spermicide 2 Used With Spermicide 3 Contains Spermicide</small>		

Data adapted from: Trussell J. Contraceptive efficacy. In Hatcher RA, Trussell J, Stewart F, et al. Contraceptive Technology. Seventeenth Revised Edition. New York, NY: Ardent Media, 1998.

**Who might use MIRENA®?**  
You might choose MIRENA® if you  
• need birth control with a low failure rate  
• need birth control that is reversible  
• need birth control that is easy to use  
• have had at least one baby

**Who should not use MIRENA®?**  
Do not use MIRENA® if you  
• might be pregnant  
• have had a serious pelvic infection called pelvic inflammatory disease (PID)  
• have had a serious pelvic infection in the past 3 months after a pregnancy  
• have more than one sexual partner or your partner has more than one partner  
• have an untreated pelvic infection now  
• can get infections easily. For example, you have problems with your immune system, leukemia, AIDS, or intravenous drug abuse.  
• might have cancer of the uterus or cervix  
• have bleeding from the vagina that has not been explained  
• have liver disease or liver tumor  
• have breast cancer now or in the past  
• have had an ectopic pregnancy or know you are at high risk for ectopic pregnancy  
• have an intrauterine device in your uterus already  
• have a condition of the uterus that distorts the uterine cavity, such as large fibroid tumors  
• are allergic to levonorgestrel, silicone, or polyethylene

Tell your health care provider if you  
• recently had a baby or if you are breast feeding  
• are diabetic  
• were born with heart disease or have problems with your heart valves  
• have problems with blood clotting or take medicine to reduce clotting

**How is MIRENA® inserted?**  
First, your health care provider will examine your pelvis to find the exact position of your uterus. Your health care provider will then clean your vagina and cervix with an antiseptic solution, and slide a thin plastic tube containing MIRENA® into your uterus. Your health care provider will then remove the plastic tube, leaving MIRENA® in your uterus. Finally, the strings will be cut to the proper length. Insertion takes only a few minutes.

**How can I check that MIRENA® is in place?**  
You can check yourself by reaching up to the top of your vagina with clean fingers to feel the threads. Do not pull on the threads. It is a good habit to check MIRENA® after each menstrual period. If you feel more of MIRENA® than just the threads, MIRENA® is not in the right place. Call your health care provider to check that MIRENA® is still in the right place.

Return to your health care provider in the first 3 months after MIRENA® is inserted to make sure that MIRENA® is in the right place. Using tampons will not change the position of MIRENA®.

**What if I become pregnant while using MIRENA®?**  
Call your health care provider right away if you think you are pregnant. If you get pregnant while using MIRENA®, you may have an ectopic pregnancy. This means that the pregnancy is not in the uterus. Unusual vaginal bleeding or abdominal pain may be a sign of ectopic pregnancy.

Ectopic pregnancy is an emergency that often requires surgery. Ectopic pregnancy can cause internal bleeding, infertility, and even death. Do not use MIRENA® if you have had an ectopic pregnancy in the past or you are at high risk for ectopic pregnancy.

There are also risks if you get pregnant while using MIRENA® and the pregnancy is in the uterus. Severe infection, miscarriage, premature delivery, and even death can occur with pregnancies that continue with an intrauterine device. Because of this, your health care provider may try to remove MIRENA®, even though removing it may cause a miscarriage. If MIRENA® cannot be removed, talk with your health care provider about the benefits and risks of continuing the pregnancy.

If you continue your pregnancy, see your health care provider regularly. Call your health care provider right away if you get flu-like symptoms, fever, chills, cramping, pain, bleeding, vaginal discharge, or fluid leaking from your vagina. These may be signs of infection.

We do not know if MIRENA® can cause long-term effects on the fetus if it stays in place during a pregnancy.

**How will MIRENA® change my periods?**  
For the first 3 to 6 months, your monthly period may become irregular. You may also have frequent spotting or light bleeding. A few women have heavy bleeding during this time. After your body adjusts, the number of bleeding days is likely to decrease, and you may even find that your periods stop altogether.

**What are the possible side effects of using MIRENA®?**  
The following are serious but uncommon side effects of MIRENA®

• Pelvic inflammatory disease (PID). Some IUD users get a serious pelvic infection called pelvic inflammatory disease. PID is usually sexually transmitted. You have a higher chance of getting PID if you or your partner have sex with other partners. PID can cause serious problems such as infertility, ectopic pregnancy or constant pelvic pain.

• PID is usually treated with antibiotics. However, more serious cases of PID may require surgery. A hysterectomy (removal of the uterus) is sometimes needed. In rare cases, infections that start as PID can even cause death.

Tell your health care provider right away if you have any of these signs of PID: long-lasting or heavy bleeding, unusual vaginal discharge, low abdominal (stomach area) pain, painful sex, chills, or fever.

• Life-threatening infection. Life-threatening infection occurs rarely within the first few days after MIRENA® is inserted. Call your health care provider if you develop severe pain within a few hours after insertion.

• Perforation. MIRENA® may go through the uterus. This is called perforation. If your uterus is perforated, you may need surgery to remove MIRENA®. Perforation can cause internal scarring, infection, or damage to other organs.

• Expulsion. MIRENA® may come out by itself. This is called expulsion. You may become pregnant if MIRENA® comes out. Use a backup birth control method like condoms and call your health care provider if you notice that MIRENA® has come out.

There are several more common side effects of MIRENA®

• Cramps, dizziness, or faintness while MIRENA® is being inserted. This is common. Sometimes, the cramping is severe.  
• Missed menstrual periods. About 2 out of 10 of women stop having periods after 1 year of MIRENA® use. The periods come back when MIRENA® is removed. If you do not have a period for 6 weeks during MIRENA® use, contact your health care provider.

• Changes in bleeding. You may have bleeding and spotting between menstrual periods, especially during the first 3 to 6 months. Sometimes the bleeding is heavier than usual at first. However, the bleeding usually becomes lighter than usual and may be irregular. Call your health care provider if the bleeding remains heavier than usual or if the bleeding becomes heavy after it has been light for a while.

• Cyst on the ovary. About 10% (1 out of 10) of women using MIRENA® will have a cyst on the ovary. These cysts usually disappear on their own in a month or two. However, cysts can cause pain and sometimes cysts will need surgery.

This is not a complete list of possible side effects. For more information, ask your health care provider.

**When should I call my health care provider?**

Call your health care provider if you have any concerns about MIRENA®. Be sure to call if you  
• think you are pregnant  
• have pelvic pain or pain during sex  
• have unusual vaginal discharge or genital sores  
• have unexplained fever  
• might be exposed to sexually transmitted diseases (STDs)  
• cannot feel MIRENA®'s threads  
• develop very severe or migraine headaches  
• have yellowing of the skin or whites of the eyes. These may be signs of liver problems.  
• have a stroke or heart attack  
• or your partner becomes HIV positive  
• have severe or prolonged vaginal bleeding  
• miss a menstrual period

**General advice about prescription medicines**  
Medicines are sometimes prescribed for conditions that are not mentioned in patient information leaflets. This leaflet summarizes the most important information about MIRENA®. If you would like more information, talk with your health care provider. You can ask your health care provider for information about MIRENA® that is written for health professionals.

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2313005 (B) 6004703

Manufactured for:  
Berlex  
Montville, NJ 07045  
Manufactured in Finland

This patient information booklet was written December 2000.

Fill out the following checklist. Your answers will help you and your health care provider decide if MIRENA® is a good choice for you.

Do you have any of these conditions?

	Yes	No	Don't know—will discuss with my health care provider
Abnormalities of the uterus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acquired immune deficiency syndrome (AIDS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anemia or blood clotting problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bleeding between periods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cancer of the uterus or cervix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
History of other types of cancer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steroid therapy (for example, prednisone)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Possible pregnancy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ectopic pregnancy in the past	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fainting attacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Genital sores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heart disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heart murmur	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heavy menstrual flow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hepatitis or other liver disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infection of the uterus or cervix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IUD in place now or in the past	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IV drug abuse now or in the past	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leukemia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More than one sexual partner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A sexual partner who has more than one sexual partner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pelvic infection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abortion or miscarriage in the past 2 months	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pregnancy in the past 2 months	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Severe menstrual cramps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sexually transmitted disease (STD), such as gonorrhea or chlamydia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abnormal Pap smear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unexplained genital bleeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uterine or pelvic surgery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vaginal discharge or infection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HIV infection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Breastfeeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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