Ovarian Cancer Early Detection, Diagnosis, and Staging

Detection and Diagnosis

Catching cancer early often allows for more treatment options. Some early cancers may have signs and symptoms that can be noticed, but that is not always the case.

- Can Ovarian Cancer Be Found Early?
- Signs and Symptoms of Ovarian Cancer
- Tests for Ovarian Cancer

Stages and Outlook (Prognosis)

After a cancer diagnosis, staging provides important information about the extent of cancer in the body and anticipated response to treatment.

- Ovarian Cancer Stages
- Survival Rates for Ovarian Cancer

Questions to Ask About Ovarian Cancer

Here are some questions you can ask your cancer care team to help you better understand your cancer diagnosis and treatment options.

- What Should You Ask Your Doctor About Ovarian Cancer?
Can Ovarian Cancer Be Found Early?

Only about 20% of ovarian cancers are found at an early stage. When ovarian cancer is found early, about 94% of patients live longer than 5 years after diagnosis.

Ways to find ovarian cancer early

Regular women’s health exams

During a pelvic exam, the health care professional feels the ovaries and uterus for size, shape, and consistency. A pelvic exam can be useful because it can find some female cancers at an early stage, but most early ovarian tumors are difficult or impossible to feel. Pelvic exams may, however, help find other cancers or female conditions. Women should discuss the need for these exams with their doctor.

The Pap test is effective in early detection of cervical cancer, but it isn’t a test for ovarian cancer. Rarely, ovarian cancers are found through Pap tests, but usually they are at an advanced stage.

See a doctor if you have symptoms

Early cancers of the ovaries often cause no symptoms. Symptoms of ovarian cancer can also be caused by other, less serious conditions. By the time ovarian cancer is considered as a possible cause of these symptoms, it usually has already spread. Also, some types of ovarian cancer can rapidly spread to nearby organs. Prompt attention to symptoms may improve the odds of early diagnosis and successful treatment. If you have symptoms similar to those of ovarian cancer almost daily for more than a few weeks, report them right away to your health care professional.

Screening tests for ovarian cancer

Screening tests and exams are used to detect a disease, like cancer, in people who don’t have any symptoms. (For example, a mammogram can often detect breast cancer in its earliest stage, even before a doctor can feel the cancer.)

There has been a lot of research to develop a screening test for ovarian cancer, but there hasn’t been much success so far. The 2 tests used most often (in addition to a complete pelvic exam) to screen for ovarian cancer are transvaginal ultrasound (TVUS) and the CA-125 blood test.
- **TVUS (transvaginal ultrasound)** is a test that uses sound waves to look at the uterus, fallopian tubes, and ovaries by putting an ultrasound wand into the vagina. It can help find a mass (tumor) in the ovary, but it can't actually tell if a mass is cancer or benign. When it is used for screening, most of the masses found are not cancer.

- The **CA-125 blood test** measures the amount of a protein called CA-125 in the blood. Many women with ovarian cancer have high levels of CA-125. This test can be useful as a tumor marker to help guide treatment in women known to have ovarian cancer, because a high level often goes down if treatment is working. But checking CA-125 levels has not been found to be as useful as a screening test for ovarian cancer. The problem with using this test for ovarian cancer screening is that high levels of CA-125 is more often caused by common conditions such as endometriosis and pelvic inflammatory disease. Also, not everyone who has ovarian cancer has a high CA-125 level. When someone who is not known to have ovarian cancer has an abnormal CA-125 level, the doctor might repeat the test (to make sure the result is correct) and may consider ordering a transvaginal ultrasound test.

Better ways to screen for ovarian cancer are being researched but currently there are no reliable screening tests. Hopefully, improvements in screening tests will eventually lead to fewer deaths from ovarian cancer.

**If you’re at average risk**

There are no recommended screening tests for ovarian cancer for women who do not have symptoms and are not at high risk of developing ovarian cancer. In studies of women at average risk of ovarian cancer, using TVUS and CA-125 for screening led to more testing and sometimes more surgeries, but did not lower the number of deaths caused by ovarian cancer. For that reason, no major medical or professional organization recommends the routine use of TVUS or the CA-125 blood test to screen for ovarian cancer in women at average risk.

**If you’re at high risk**

Some organizations state that TVUS and CA-125 may be offered to screen women who have a high risk of ovarian cancer due to an inherited genetic syndrome such as Lynch syndrome, BRCA gene mutations or a strong family history of breast and ovarian cancer. Still, even in these women, it has not been proven that using these tests for screening lowers their chances of dying from ovarian cancer.
Screening tests for germ cell tumors/stromal tumors

There are no recommended screening tests for germ cell tumors or stromal tumors. Some germ cell cancers release certain protein markers such as human chorionic gonadotropin (HCG) and alpha-fetoprotein (AFP) into the blood. After these tumors have been treated by surgery\textsuperscript{2} and chemotherapy\textsuperscript{3}, blood tests for these markers can be used to see if treatment is working and to determine if the cancer is coming back.

Hyperlinks


References


Signs and Symptoms of Ovarian Cancer

Ovarian cancer may cause several signs and symptoms. Women are more likely to have symptoms if the disease has spread, but even early-stage ovarian cancer can cause them. The most common symptoms include:

- Bloating
- Pelvic or abdominal (belly) pain
- Trouble eating or feeling full quickly
- Urinary symptoms such as urgency (always feeling like you have to go) or frequency (having to go often)

These symptoms are also commonly caused by benign (non-cancerous) diseases and by cancers of other organs. When they are caused by ovarian cancer, they tend to be persistent and a change from normal, for example, they occur more often or are more severe. These symptoms are more likely to be caused by other conditions, and most of them occur just about as often in women who don’t have ovarian cancer. But if you have these symptoms more than 12 times a month, see your doctor so the problem can be found and treated if necessary.

Others symptoms of ovarian cancer can include:

- Fatigue (extreme tiredness)
- Upset stomach
- Back pain
- Pain during sex
- Constipation
- Changes in a woman’s period, such as heavier bleeding than normal or irregular bleeding
- Abdominal (belly) swelling with weight loss
Tests for Ovarian Cancer

If your doctor finds something suspicious during a pelvic exam, or if you have symptoms that might be due to ovarian cancer, your doctor will recommend exams and tests to find the cause.

Medical history and physical exam

Your doctor will ask about your medical history to learn about possible risk factors, including your family history. You will also be asked if you’re having any symptoms, when they started, and how long you’ve had them. Your doctor will likely do a pelvic exam to check for an enlarged ovary or signs of fluid in the abdomen (which is called ascites).

If there is reason to suspect you have ovarian cancer based on your symptoms and/or physical exam, your doctor will order some tests to check further.

Consultation with a specialist
If the results of your pelvic exam or other tests suggest that you have ovarian cancer, you will need a doctor or surgeon who specializes in treating women with this type of cancer. A **gynecologic oncologist** is an obstetrician/gynecologist who is specially trained in treating cancers of the female reproductive system. Treatment by a gynecologic oncologist helps ensure that you get the best kind of surgery for your cancer. It has also been shown to help patients with ovarian cancer live longer. Anyone suspected of having ovarian cancer should see this type of specialist before having surgery.

**Imaging tests**

Doctors use imaging tests to take pictures of the inside of your body. Imaging tests can show whether a pelvic mass is present, but they cannot confirm that the mass is a cancer. These tests are also useful if your doctor is looking to see if ovarian cancer has spread (metastasized) to other tissues and organs.

**Ultrasound**

**Ultrasound** (ultrasonography) uses sound waves to create an image on a video screen. Sound waves are released from a small probe placed in the woman's vagina and a small microphone-like instrument called a transducer gives off sound waves and picks up the echoes as they bounce off organs. A computer turns these echoes into an image on the screen.

Ultrasound is often the first test done if a problem with the ovaries is suspected. It can be used to find an ovarian tumor and to check if it is a solid mass (tumor) or a fluid-filled cyst. It can also be used to get a better look at the ovary to see how big it is and how it looks inside. This helps the doctor decide which masses or cysts are more worrisome.

**Computed tomography (CT) scans**

The **CT scan** is an x-ray test that makes detailed cross-sectional images of your body. The test can help tell if ovarian cancer has spread to other organs.

CT scans do not show small ovarian tumors well, but they can see larger tumors, and may be able to see if the tumor is growing into nearby structures. A CT scan may also find enlarged lymph nodes, signs of cancer spread to liver or other organs, or signs that an ovarian tumor is affecting your kidneys or bladder.

CT scans are not usually used to biopsy an ovarian tumor (see biopsy in the section "Other tests"), but they can be used to biopsy a suspected metastasis (area of spread).
For this procedure, called a *CT-guided needle biopsy*, the patient stays on the CT scanning table, while a radiologist moves a biopsy needle toward the mass. CT scans are repeated until the doctors are confident that the needle is in the mass. A fine needle biopsy sample (tiny fragment of tissue) or a core needle biopsy sample (a thin cylinder of tissue about ½ inch long and less than 1/8 inch in diameter) is removed and examined in the lab.

**Barium enema x-ray**

A barium enema is a test to see if the cancer has invaded the colon (large intestine) or rectum. This test is rarely used for women with ovarian cancer. Colonoscopy³ may be done instead.

**Magnetic resonance imaging (MRI) scans**

MRI scans⁴ also create cross-section pictures of your insides. But MRI uses strong magnets to make the images – not x-rays. A contrast material called gadolinium may be injected into a vein before the scan to see details better.

MRI scans are not used often to look for ovarian cancer, but they are particularly helpful to examine the brain and spinal cord where cancer could spread.

**Chest x-ray**

An x-ray⁵ might be done to determine whether ovarian cancer has spread (metastasized) to the lungs. This spread may cause one or more tumors in the lungs and more often causes fluid to collect around the lungs. This fluid, called a *pleural effusion*, can be seen with chest x-rays as well as other types of scans.

**Positron emission tomography (PET) scan**

For a PET scan⁶, radioactive glucose (sugar) is given to look for the cancer. Body cells take in different amounts of the sugar, depending on how fast they are growing. Cancer cells, which grow quickly, are more likely to take up larger amounts of the sugar than normal cells. A special camera is used to create a picture of areas of radioactivity in the body.

The picture from a PET scan is not as detailed as a CT or MRI scan, but it provides helpful information about whether abnormal areas seen on these other tests are likely to be cancer or not.
If you have already been diagnosed with cancer, your doctor may use this test to see if the cancer has spread to lymph nodes or other parts of the body. A PET scan can also be useful if your doctor thinks the cancer may have spread but doesn’t know where.

**PET/CT scan:** Some machines can do both a PET and CT scan at the same time. This lets the doctor compare areas of higher radioactivity on the PET scan with the more detailed picture of that area on the CT scan.

PET scans can help find cancer when it has spread, but are not used often to look for ovarian cancer.

**Other tests**

**Laparoscopy**

This procedure uses a thin, lighted tube through which a doctor can look at the ovaries and other pelvic organs and tissues in the area. The tube is inserted through a small incision (cut) in the lower abdomen and sends the images of the pelvis or abdomen to a video monitor. Laparoscopy provides a view of organs that can help plan surgery or other treatments and can help doctors confirm the **stage** (how far the tumor has spread) of the cancer. Also, doctors can manipulate small instruments through the laparoscopic incision(s) to perform biopsies.

**Colonoscopy**

A **colonoscopy** is a way to examine the inside of the large intestine (colon). The doctor looks at the entire length of the colon and rectum with a colonoscope, a thin, flexible, lighted tube with a small video camera on the end. It is inserted through the anus and into the rectum and the colon. Any abnormal areas seen can be biopsied. This procedure is more commonly used to look for colorectal cancer.

**Biopsy**

The only way to determine for certain if a growth is cancer is to remove a piece of it and examine it in the lab. This procedure is called a **biopsy**. For ovarian cancer, the biopsy is most commonly done by removing the tumor during surgery.

In rare cases, a suspected ovarian cancer may be biopsied during a laparoscopy procedure or with a needle placed directly into the tumor through the skin of the abdomen. Usually the needle will be guided by either ultrasound or CT scan. This is
only done if you cannot have surgery because of advanced cancer or some other serious medical condition, because there is concern that a biopsy could spread the cancer.

If you have ascites (fluid buildup inside the abdomen), samples of the fluid can also be used to diagnose the cancer. In this procedure, called paracentesis, the skin of the abdomen is numbed and a needle attached to a syringe is passed through the abdominal wall into the fluid in the abdominal cavity. Ultrasound may be used to guide the needle. The fluid is taken up into the syringe and then sent for analysis to see if it contains cancer cells.

In all these procedures, the tissue or fluid obtained is sent to the lab. There it is examined by a pathologist, a doctor who specialize in diagnosing and classifying diseases by examining cells under a microscope and using other lab tests.

**Blood tests**

Your doctor will order blood count tests to make sure you have enough red blood cells, white blood cells and platelets (cells that help stop bleeding). There will also be tests to measure your kidney and liver function as well as your general health.

The doctor will also order a CA-125 test. Women who have a high CA-125 level are often referred to a gynecologic oncologist, but any woman with suspected ovarian cancer should see a gynecologic oncologist, as well.

Some germ cell cancers can cause elevated blood levels of the tumor markers human chorionic gonadotropin (HCG), alpha-fetoprotein (AFP), and/or lactate dehydrogenase (LDH). These may be checked if your doctor suspects that your ovarian tumor could be a germ cell tumor.

Some ovarian stromal tumors cause the blood levels of a substance called **inhibin** and hormones such as estrogen and testosterone to go up. These levels may be checked if your doctor suspects that you have this type of tumor.

**Genetic counseling and testing if you have ovarian cancer**

If you have been diagnosed with an epithelial ovarian cancer, your doctor will likely recommend that you get genetic counseling to help you decide if you should be tested for certain **inherited gene changes**, such as a mutation in the **BRCA1** or **BRCA2** gene. Some ovarian cancers are linked to mutations in these or other genes.
Genetic testing to look for inherited mutations can be helpful in several ways:

- If you are found to have a gene mutation, you might be more likely to get other types of cancer as well, so you might benefit from doing what you can to lower your risk of these cancers, as well as having tests to find them early.
- If you have a gene mutation, your family members (blood relatives) might also have it, so they can decide if they want to be tested to learn more about their cancer risk.
- If you have a BRCA1 or BRCA2 mutation, at some point you might benefit from treatment with targeted drugs\(^ {10}\) called PARP inhibitors.

You may have heard about some home-based genetic tests. There is a concern that these tests are promoted by companies without giving full information. For example, a test for a small number of BRCA1 and BRCA2 gene mutations\(^ {11}\) has been approved by the FDA. However, there are more than 1,000 known BRCA mutations, and the ones included in the approved test are not the most common ones. This means there are many BRCA mutations that would not be detected by this test.

A genetic counselor or other qualified medical professional can help you understand the pros, cons, and possible limits of what genetic testing can tell you. This can help you decide if testing is right for you, and which testing is best.

To learn more about some of the pros and cons of genetic testing, see Should I Get Genetic Testing for Cancer Risk?\(^ {12}\)

**Hyperlinks**

1. [www.cancer.org/treatment/understanding-your-diagnosis/tests/ultrasound-for-cancer.html](http://www.cancer.org/treatment/understanding-your-diagnosis/tests/ultrasound-for-cancer.html)
4. [www.cancer.org/treatment/understanding-your-diagnosis/tests/mri-for-cancer.html](http://www.cancer.org/treatment/understanding-your-diagnosis/tests/mri-for-cancer.html)
5. [www.cancer.org/treatment/understanding-your-diagnosis/tests/x-rays-and-other-radiographic-tests.html](http://www.cancer.org/treatment/understanding-your-diagnosis/tests/x-rays-and-other-radiographic-tests.html)
Ovarian Cancer Stages

After a woman is diagnosed with ovarian cancer, doctors will try to figure out if it has spread, and if so, how far. This process is called staging. The stage of a cancer describes how much cancer is in the body. It helps determine how serious the cancer is...
and how best to treat it. Doctors also use a cancer’s stage when talking about survival statistics.

Ovarian cancer stages range from stage I (1) through IV (4). As a rule, the lower the number, the less the cancer has spread. A higher number, such as stage IV, means cancer has spread more. Although each person’s cancer experience is unique, cancers with similar stages tend to have a similar outlook and are often treated in much the same way.

One of the goals of surgery for ovarian cancer is to take tissue samples for diagnosis and staging. To stage the cancer, samples of tissues are taken from different parts of the pelvis and abdomen and examined in the lab.

**How is the stage determined?**

The 2 systems used for staging ovarian cancer, the FIGO (International Federation of Gynecology and Obstetrics) system and the AJCC (American Joint Committee on Cancer) TNM staging system are basically the same.

They both use 3 factors to stage (classify) this cancer:

- The extent (size) of the tumor (T): Has the cancer spread outside the ovary or fallopian tube? Has the cancer reached nearby pelvic organs like the uterus or bladder?
- The spread to nearby lymph nodes (N): Has the cancer spread to the lymph nodes in the pelvis or around the aorta (the main artery that runs from the heart down along the back of the abdomen and pelvis)? Also called para-aortic lymph nodes.
- The spread (metastasis) to distant sites (M): Has the cancer spread to fluid around the lungs (malignant pleural effusion) or to distant organs such as the liver or bones?

Numbers or letters after T, N, and M provide more details about each of these factors. Higher numbers mean the cancer is more advanced. Once a person’s T, N, and M categories have been determined, this information is combined in a process called stage grouping to assign an overall stage.

The staging system in the table below uses the pathologic stage (also called the surgical stage). It is determined by examining tissue removed during an operation. This is also known as **surgical staging**. Sometimes, if surgery is not possible right away, the cancer will be given a clinical stage instead. This is based on the results of a physical
The system described below is the most recent AJCC system effective January 2018. It is the staging system for ovarian cancer, fallopian tube cancer, and primary peritoneal cancer.

Cancer staging can be complex, so ask your doctor to explain it to you in a way you understand.

<table>
<thead>
<tr>
<th>AJCC Stage</th>
<th>Stage grouping</th>
<th>FIGO Stage</th>
<th>Stage description*</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>T1 N0 M0</td>
<td>I</td>
<td>The cancer is only in the ovary (or ovaries) or fallopian tube(s) (T1). It has not spread to nearby lymph nodes (N0) or to distant sites (M0).</td>
</tr>
<tr>
<td>IA</td>
<td>T1a N0 M0</td>
<td>IA</td>
<td>The cancer is in one ovary, and the tumor is confined to the inside of the ovary; or the cancer is in one fallopian tube, and is only inside the fallopian tube. There is no cancer on the outer surfaces of the ovary or fallopian tube. No cancer cells are found in the fluid (ascites) or washings from the abdomen and pelvis (T1a). It has not spread to nearby lymph nodes (N0) or to distant sites (M0).</td>
</tr>
<tr>
<td>IB</td>
<td>T1b N0 M0</td>
<td>IB</td>
<td>The cancer is in both ovaries or fallopian tubes but not on their outer surfaces. No cancer cells are found in the fluid (ascites) or washings from the abdomen and pelvis (T1b). It has not spread to nearby lymph nodes (N0) or to distant sites (M0).</td>
</tr>
<tr>
<td>IC</td>
<td>T1c N0 M0</td>
<td>IC</td>
<td>The cancer is in one or both ovaries or fallopian tubes and any of the following are present:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- The tissue (capsule) surrounding the tumor broke during surgery, which could allow cancer cells to leak into the abdomen and pelvis (called <strong>surgical spill</strong>). This is stage IC1.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Cancer is on the outer surface of at least one of the ovaries or fallopian tubes or the capsule (tissue surrounding the tumor) has ruptured (burst) before surgery (which could allow cancer cells to...</td>
</tr>
<tr>
<td>Stage</td>
<td>T</td>
<td>N</td>
<td>M</td>
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</tr>
<tr>
<td>II</td>
<td>T2</td>
<td>N0</td>
<td>M0</td>
</tr>
<tr>
<td>II A</td>
<td>T2a</td>
<td>N0</td>
<td>M0</td>
</tr>
<tr>
<td>II B</td>
<td>T2b</td>
<td>N0</td>
<td>M0</td>
</tr>
<tr>
<td>III A1</td>
<td>T1 or T2</td>
<td>N1</td>
<td>M0</td>
</tr>
<tr>
<td>III A2</td>
<td>T3a</td>
<td>N0 or N1</td>
<td>M0</td>
</tr>
<tr>
<td>III B</td>
<td>T3b</td>
<td>N0 or N1</td>
<td>M0</td>
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<td>Staging Category</td>
<td>T Category</td>
<td>N Category</td>
<td>M Category</td>
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<td>------------------</td>
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<tr>
<td>IIIC T3c N0 or N1 M0</td>
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<tr>
<td>IVA Any T Any N M1a</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>IVB Any T Any N M1b</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* The following additional categories are not described in the table above:

- **TX**: Main tumor cannot be assessed due to lack of information
- **T0**: No evidence of a primary tumor.
- **NX**: Regional lymph nodes cannot be assessed due to lack of information.

**Hyperlinks**

1. [www.cancer.org/treatment/understanding-your-diagnosis/staging.html](http://www.cancer.org/treatment/understanding-your-diagnosis/staging.html)

**References**

Survival Rates for Ovarian Cancer

Survival rates can give you an idea of what percentage of people with the same type and stage of cancer are still alive a certain amount of time (usually 5 years) after they were diagnosed. They can’t tell you how long you will live, but they may help give you a better understanding of how likely it is that your treatment will be successful.

Keep in mind that survival rates are estimates and are often based on previous outcomes of large numbers of people who had a specific cancer, but they can’t predict what will happen in any particular person’s case. These statistics can be confusing and may lead you to have more questions. Talk with your doctor about how these numbers may apply to you, as he or she is familiar with your situation.

What is a 5-year relative survival rate?

A relative survival rate compares people with the same type and stage of cancer to people in the overall population. For example, if the 5-year relative survival rate for a specific stage of ovarian cancer is 80%, it means that people who have that cancer are, on average, about 80% as likely as people who don’t have that cancer to live for at least 5 years after being diagnosed.

Where do these numbers come from?

The American Cancer Society relies on information from the SEER* database, maintained by the National Cancer Institute (NCI), to provide survival statistics for different types of cancer.

The SEER database tracks 5-year relative survival rates for ovarian cancer in the United States, based on how far the cancer has spread. The SEER database, however, does not group cancers by AJCC TNM stages (stage 1, stage 2, stage 3, etc.). Instead,
it groups cancers into localized, regional, and distant stages:

- **Localized**: There is no sign that the cancer has spread outside of the ovaries.
- **Regional**: The cancer has spread outside the ovaries to nearby structures or lymph nodes.
- **Distant**: The cancer has spread to distant parts of the body, such as the liver or lungs.

### 5-year relative survival rates for ovarian (or fallopian tube) cancer

These numbers are based on people diagnosed with cancers of the ovary (or fallopian tube) between 2008 and 2014. These survival rates differ based on the type of ovarian cancer\(^1\) (invasive epithelial, stromal, or germ cell tumor).

#### Invasive epithelial ovarian cancer

<table>
<thead>
<tr>
<th>SEER stage</th>
<th>5-year relative survival rate</th>
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<tbody>
<tr>
<td>Localized</td>
<td>92%</td>
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<tr>
<td>Regional</td>
<td>75%</td>
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<tr>
<td>Distant</td>
<td>30%</td>
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<td>All SEER stages combined</td>
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#### Ovarian stromal tumors

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<th>SEER stage</th>
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<td>Localized</td>
<td>99%</td>
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<tr>
<td>Regional</td>
<td>89%</td>
</tr>
<tr>
<td>Distant</td>
<td>61%</td>
</tr>
<tr>
<td>All SEER stages combined</td>
<td>89%</td>
</tr>
</tbody>
</table>

#### Germ cell tumors of the ovary
American Cancer Society
cancer.org | 1.800.227.2345

<table>
<thead>
<tr>
<th>SEER stage</th>
<th>5-year relative survival rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>98%</td>
</tr>
<tr>
<td>Regional</td>
<td>95%</td>
</tr>
<tr>
<td>Distant</td>
<td>75%</td>
</tr>
<tr>
<td>All SEER stages combined</td>
<td>93%</td>
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Fallopian tube cancer

<table>
<thead>
<tr>
<th>SEER stage</th>
<th>5-year relative survival rate</th>
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</thead>
<tbody>
<tr>
<td>Localized</td>
<td>91%</td>
</tr>
<tr>
<td>Regional</td>
<td>57%</td>
</tr>
<tr>
<td>Distant</td>
<td>47%</td>
</tr>
<tr>
<td>All SEER stages combined</td>
<td>60%</td>
</tr>
</tbody>
</table>

Understanding the numbers

- **These numbers apply only to the stage of the cancer when it is first diagnosed.** They do not apply later on if the cancer grows, spreads, or comes back after treatment.
- **These numbers don’t take everything into account.** Survival rates are grouped based on how far the cancer has spread. But other factors, such as your age and overall health, and how well the cancer responds to treatment, can also affect your outlook.
- **People now being diagnosed with ovarian (or fallopian tube) cancer may have a better outlook than these numbers show.** Treatments improve over time, and these numbers are based on people who were diagnosed and treated at least five years earlier.

*SEER = Surveillance, Epidemiology, and End Results

Hyperlinks
What Should You Ask Your Doctor About Ovarian Cancer?

It is important for you to have honest, open discussions with your cancer care team. They want to answer all of your questions, so that you can make informed treatment and life decisions. Here are some questions to consider:

When you’re told you have ovarian cancer

- What type of ovarian cancer do I have?
- Has my cancer spread beyond the ovaries?
- What is the cancer’s stage (extent), and what does that mean?
- Will I need other tests before we can decide on treatment?
- Do I need to see any other doctors or health professionals?
- If I’m concerned about the costs and insurance coverage for my diagnosis and treatment, who can help me?
- Will I be able to have children after my treatment?
- Should I think about genetic testing? What are my testing options? Should I take a home-based genetic test? What would the pros and cons of testing be?
When deciding on a treatment plan

- What are my treatment options?
- What do you recommend and why?
- How much experience do you have treating this type of cancer?
- Should I get a second opinion? How do I do that? Can you recommend someone?
- What would the goal of the treatment be?
- How quickly do we need to decide on treatment?
- What should I do to be ready for treatment?
- How long will treatment last? What will it be like? Where will it be done?
- What risks or side effects are there to the treatments you suggest?
- Are there things I can do to reduce these side effects?
- How might treatment affect my daily activities? Can I still work full time?
- What are the chances the cancer will recur (come back) with these treatment plans?
- What will we do if the treatment doesn’t work or if the cancer recurs?
- What if I have transportation problems getting to and from treatment?

During treatment

Once treatment begins, you’ll need to know what to expect and what to look for. Not all of these questions may apply to you, but asking the ones that do may be helpful.

- How will we know if the treatment is working?
- Is there anything I can do to help manage side effects?
- What symptoms or side effects should I tell you about right away?
- How can I reach you on nights, holidays, or weekends?
- Do I need to change what I eat during treatment?
- Are there any limits on what I can do?
- Can I exercise during treatment? If so, what kind should I do, and how often?
- Can you suggest a mental health professional I can see if I start to feel overwhelmed, depressed, or distressed?
- What if I need social support during treatment because my family lives far away?
After treatment

- Do I need a special diet after treatment?
- Are there any limits on what I can do?
- What other symptoms should I watch for?
- What kind of exercise should I do now?
- What type of follow-up will I need after treatment?
- How often will I need to have follow-up exams and imaging tests?
- Will I need any blood tests?
- How will we know if the cancer has come back? What should I watch for?
- What kind of follow-up will I need after treatment?

Along with these sample questions, be sure to write down some of your own. For instance, you might want more information about recovery times. You may also want to ask about clinical trials⁴ for which you may qualify.

Hyperlinks


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