STOP STARTS! GUIDE TO **PREVENTING** CANCER prevent/canc

ABOUT THE PREVENT CANCER FOUNDATION®

The mission of the Prevent Cancer Foundation® is saving lives across all populations through cancer prevention and early detection.

The vision is to **Stop Cancer Before It Starts!**®

The Prevent Cancer Foundation® is one of the nation's leading voluntary health organizations and the only U.S. nonprofit focused solely on cancer prevention and early detection. Founded in 1985, it has catapulted cancer prevention to prominence and fulfills its mission through research, education, outreach and advocacy.

The Foundation is at the forefront of cancer prevention and early detection and has been referred to as "the candle that ignited a bonfire."

The Foundation carries out its mission by focusing its work in four areas.

RESEARCH

The Foundation awards research grants and fellowships to promising early-career scientists for innovative research in cancer prevention and early detection.

EDUCATION The Foundation is committed to providing all people with the information they need to help keep themselves and their families cancer-free through healthy lifestyle choices and medical screenings.

OUTREACH

In order to reach the greatest number of people, the Foundation utilizes its unique resources, events and partnerships to implement lifesaving cancer prevention and early detection programs.

ADVOCACY

The Foundation advocates for laws and funding that prioritize prevention and early detection and support the needs of cancer patients and their families.

WHY YOU SHOULD CARE

Nearly 1,690,000 Americans will be diagnosed with cancer this year and more than 600,000 will die of these diseases. However, research suggests that up to 50 percent of cancer cases and about 50 percent of cancer deaths are preventable with the knowledge we have today.

Putting what we know about prevention into action may also have a positive effect on the cost of cancer care, which is projected to reach \$157 billion per year by the year 2020.

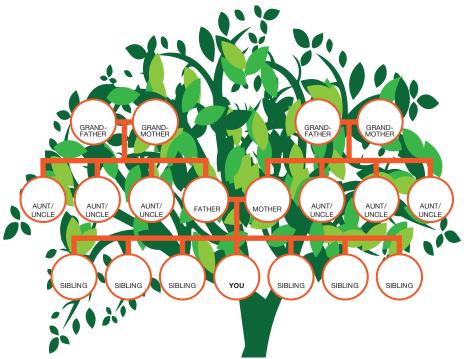


GET THE FACTS

This guide is a great place to start learning how to reduce your cancer risk. To learn more, visit **www.PreventCancer.org**.

KNOW YOUR FAMILY HISTORY

Most people who get cancer do not have a family history, which is one reason why screening is so important—but a personal or family history of cancer or certain other diseases may increase your risk.



Complete this family medical history chart and share it with your family and your health care professional to help determine health risks.

- For each blood relative, note in the circle any cancer or other chronic disease the person had and the age at which each was diagnosed.
- Note any surgeries related to cancer and the dates of the procedures.
- If you can, note the date of birth and date and cause of death for any family member who is deceased.

This information will help you and your health care professional decide which cancer screenings you may need and when to begin screening.

WAYS TO PREVENT CANCER

DON'T USE TOBACCO

Tobacco use has been linked to many types of cancer, including lung, colorectal, breast, throat, cervical, bladder, mouth and esophageal cancers. It's best to never start using tobacco, but if you do use tobacco products, it's never too late to quit.

About 90 percent of all lung cancer is related to smoking. Non-smokers who are exposed to secondhand smoke are also at risk for lung cancer and other conditions. More research is needed on e-cigarettes, but the Prevent Cancer Foundation® stands firm in discouraging the use of all tobacco products, including e-cigarettes.

PROTECT YOUR SKIN FROM THE SUN

Skin cancer is the most common—and the most preventable—cancer in the United States. Exposure to the sun's ultraviolet radiation causes most skin cancers. Be sure to use adequate sun protection year-round. Never use indoor tanning beds.

EAT A HEALTHY DIET

Eat lots of fruits, vegetables, beans and whole grains, limit red meat and cut out processed meats.

MAINTAIN A HEALTHY WEIGHT AND BE PHYSICALLY ACTIVE

Obesity is linked to many cancers, including endometrial, liver, kidney, pancreatic, colon and post-menopausal breast cancers, among others.

Getting at least 30 minutes of physical activity at least 5 days a week can make a big difference in your general health and well-being.

Physical inactivity has been linked to colorectal cancer, breast cancer and endometrial cancer, and weaker links have been found for others, too. Add exercise to your routine to reduce stress, increase energy, boost your immune system, control your weight and reduce your risk for cancer.

PRACTICE SAFER SEX AND AVOID RISKY BEHAVIORS

Many types of the human papillomavirus, also known as HPV, are spread through vaginal, anal or oral sex. Using a condom the right way every time can help protect you, but it is not 100% protection. Certain types of HPV can cause cervical cancer and at least five other types of cancer.

The hepatitis B virus and hepatitis C virus can be spread from person to person through sex or through blood by sharing needles with someone who is infected. Hepatitis B or C can cause long-term liver infection that can increase a person's chance of developing liver cancer.

GET IMMUNIZED (HPV & HEPATITIS B VACCINES)

Certain viruses that have been linked to cancer can be protected against through vaccination. One of them is HPV. Talk to your health care professional about the age recommendations for the HPV vaccine.

Another of the viruses is hepatitis B. In the U.S., most liver cancers are linked to hepatitis B or hepatitis C. While there is no vaccine at this time for hepatitis C, a hepatitis B vaccine is available and is recommended for babies, older children who were not vaccinated earlier and adults who are at risk for hepatitis B infection.

KNOW YOUR FAMILY MEDICAL HISTORY

AND GET REGULAR CANCER SCREENINGS

Share your family history with your health care professional and discuss cancer screening. Some tests can help detect cancer early, when successful treatment is more likely, and some can also detect precancerous conditions before they become cancer. While screening has been proven to save lives, screening guidelines are not always "one size fits all."

BREAST CANCER

Each year, more than 252,700 women and more than 2,400 men are diagnosed with invasive breast cancer (cancer that has spread from where it started in the breast into surrounding healthy tissue) and roughly 41,000 die of the disease.

Get diagnosed early and get treated before it spreads. When detected early, the five-year survival rate for breast cancer is 99 percent.

WHO IS MOST AT RISK-



Women who:

- Began their menstrual periods before age 12 or began menopause after age 55.
- Are currently using or have recently used birth control pills.
- Have never had children or had their first child after age 30.
- Have used hormone replacement therapy (HRT) with estrogen and progesterone for more than 10 years.
- Have mutations of BRCA1, BRCA2 or PALB2 genes.
- Have family histories of breast, colorectal or ovarian cancer.

REDUCE YOUR RISK



Breast feeding may lower a woman's risk



Limit alcohol

Consume no more than one drink a day for women or two drinks a day for men.



Never smoke If you do, quit.



Men and women who:

- · Are overweight or obese.
- · Are not physically active.
- · Are over 40.

Most breast cancer is diagnosed in women over age 40. On average, men with breast cancer are diagnosed at age 68.

- Have had high-dose radiation therapy on their chests.
- Have family histories of breast or ovarian cancer. Risk increases if several close relatives have been diagnosed with breast cancer or if a person's mother was diagnosed before age 50.
- Have already had cancer in one breast.



Exercise

at least 30 minutes, at least 5 days a week.



Maintain a healthy weight

SYMPTOMS

If you notice any of the following symptoms, take action and talk with your health care professional:

A lump, hard knot or thickening in the breast

A lump under your arm

A change in the size or shape of a breast

Nipple pain, tenderness or discharge, including bleeding

Itchiness, scales, soreness or rash on nipple

A nipple turning inward or inverted

A change in skin color and texture

Dimpling, puckering or redness

A breast that feels warm or swollen

TREATMENT OPTIONS

Treatment depends on the type and stage of the breast cancer:

- The most common treatment is surgery to remove the cancer (lumpectomy), combined with radiation.
 In some cases, it is necessary to remove the breast (mastectomy).
- Chemotherapy, radiation therapy, hormone therapy or targeted therapy may be used alone or in combination before or after surgery.

BREAST CANCER CONTINUED

Genetic testing is an option for those who want more information about their cancer risk. Women who test positive for BRCA1, BRCA2 and PALB2 gene mutations are at increased risk for breast or ovarian cancer. Only 5-10 percent of cancer cases are caused by hereditary gene mutations.

Men with BRCA1 or BRCA2 gene mutations also have increased risk of breast cancer.

If you are considering genetic testing, you should meet with a genetic counselor. (Check with your insurance company first to see if the meeting and/ or genetic testing are covered by your insurance.)

NOTE: This page refers to predictive genetic testing only, which is different from tumor profiling (also known as genomics or molecular profiling).

Tumor profiling is done after a cancer diagnosis to determine mutations that may affect how the patient responds to certain treatments.

BREAST CANCER SCREENINGS

Your risk increases if you have several close relatives who have been diagnosed with breast cancer or if your mother was diagnosed with breast cancer before age 50.

BREAST SCREENIN GUIDE FOR WOMEN

Speak with your health care professional about screening.

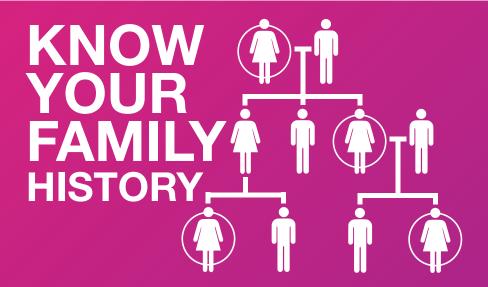
THREE YEAR CBE

In your 20s and 30s, have a clinical breast exam (CBE) done by a health professional at least once every three years

AGE 20

25

30



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HORMONE REPLACEMENT THERAPY

ANNUAL MAMMOGRAM or 3D MAMMOGRAM (TOMOSYNTHESIS) At menopause, talk with your health care professional about whether you should consider hormone replacement therapy

Several organizations recommend beginning annual mammogram check-ups at age 40

Speak with your health care professional about which screening method is right for you

ANNUAL CBE

Beginning at age 40, get screened annually if you are at average risk. Discuss the benefits and risks of screening tests with your health care professional

35 40 45 50 55 60 **60**

If you are at high risk, talk with your health care professional about beginning annual screening mammograms and magnetic resonance imaging (MRI) at a younger age

CERVICAL CANCER

Each year, more than 12,800 women are diagnosed with invasive cervical cancer (cancer that has spread from the surface of the cervix to tissue deeper in the cervix or to other body parts) and more than 4,200 women die of the disease. Today, lives are saved because of regular screening with Pap tests (also called Pap smears) or Pap tests combined with HPV tests.

HPV VACCINE

The HPV vaccine protects against types of HPV that are most likely to cause cancer. HPV vaccination is most effective when done before a person becomes sexually active.

All young people who are age 11 or 12 should get two shots of the HPV vaccine six to twelve months apart. A third shot may be needed if vaccination is done at a later age. Ask your health care professional about other situations requiring three shots. (Read more about other types of cancer that are caused by HPV on page 29.)

WHO IS MOST AT RISK-



Women who:

- Are over 30 and have a human papillomavirus (HPV) infection that hasn't cleared. HPV is a common sexually-transmitted virus that can cause at least six types of cancer, including cervical cancer.
- Began having sex at an early age.
- Have had multiple sexual partners.
- Do not have regular cervical cancer screenings.
- · Smoke.

REDUCE YOUR RISK-



Talk with your health care professional about the HPV vaccine



Never smoke If you do, quit.

If you are at high risk for cervical cancer because of a suppressed immune system (for example, from HIV infection, organ transplant or long-term steroid use) or because you were exposed to DES in utero, you may need to be screened more often. Follow the recommendations of your health care professional.

- Have used birth control pills for a long time.
- Have weakened immune systems, such as women who have the human immunodeficiency virus (HIV).
- · Are overweight or obese.
- Have a close relative, such as a sister or mother, who has had cervical cancer.
- Were exposed to diethylstilbestrol (DES) before birth.



Practice safer sex

If you have sex, use a new condom the right way every time.



Begin regular cervical cancer screening at age 21

Women in their twenties should have a Pap test every three years.

From ages 30–65, the preferred way to screen is with a Pap test combined with an HPV test every 5 years, or a Pap test every 3 years.

Beginning at age 65, talk with your health care professional about whether you still need to be screened.

SYMPTOMS

Precancerous conditions of the cervix do not usually cause symptoms and are only detected with a pelvic exam and a Pap test.

Talk with your health care professional right away if you experience any of the following symptoms:

Increased or unusual discharge from the vagina

Blood spots or light bleeding at times other than a normal period

Menstrual bleeding that lasts longer and is heavier than usual

Bleeding or pain during or after sex

Bleeding after menopause

Cervical cancer usually does not show symptoms until later stages. Pelvic exams, Pap tests and HPV tests are key to early detection.

TREATMENT OPTIONS

Cervical cancer is treated through surgery, radiation and chemotherapy. These therapies may be given alone or in combination with one another. Treatment depends on the stage of the cancer, the type of tumor cells and your medical condition.

CANCER CANCER

Colorectal cancer is cancer of the colon or rectum. It's the third most common type of cancer in the U.S. for both men and women and the second leading cause of cancer death overall. Each year, more than 135,400 individuals are diagnosed with colorectal cancer and more than 50,000 die of the disease. With certain types of screening, this cancer can be prevented by removing polyps (grape-like growths on the wall of the intestine) before they become cancerous, or it can be detected early when successful treatment is more likely.

WHO IS MOST AT RISK-



Men and women who:

- Are age 50 or older.
- · Smoke.



- Are overweight or obese, especially those who carry fat around their waists.
- · Are not physically active.
- Drink alcohol in excess, especially men.
- Eat a lot of red meat (such as beef, pork or lamb) or processed meat (such as bacon, sausage, hot dogs or cold cuts).

REDUCE YOUR RISK-



Exercise at least 30 minutes, at least 5 days a week.



Limit alcohol

Consume no more than one drink a day for women or two drinks a day for men.



Never smoke If you do, quit.



Eat less red meat and cut out processed meat

- Have personal or family histories of colorectal cancer or colorectal polyps.
- Have personal histories of inflammatory bowel disease (such as ulcerative colitis or Crohn's disease).



Maintain a healthy weight and waist size



Eat lots of fruits, vegetables, beans and whole grains



Get screened

SYMPTOMS

Bleeding from the rectum or blood in or on the stool

Change in bowel movements

Stools that are more narrow than usual

General abdominal problems

Bloating, fullness or cramps

Diarrhea, bleeding or constipation or a feeling in the rectum that the bowel movement is not quite complete

Weight loss for no apparent reason

Feeling very tired all the time

Vomiting

TREATMENT OPTIONS

Surgery is the most common treatment. When the cancer has spread, chemotherapy or radiation may be administered before or after surgery.

CANCER CONTINUED

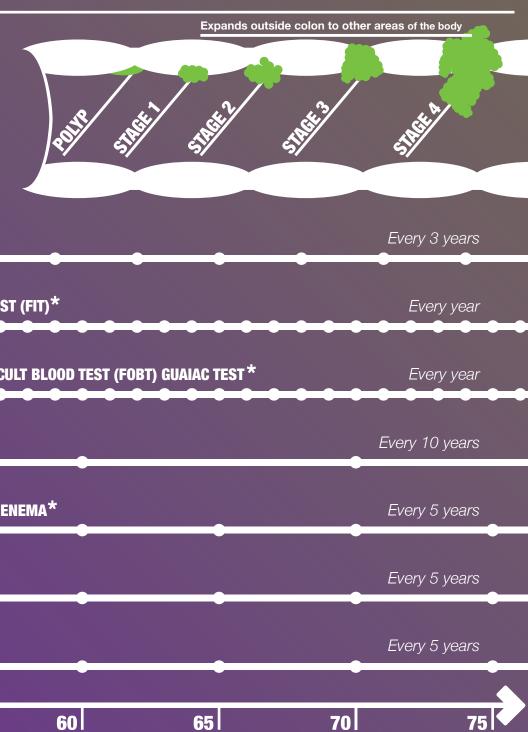
Start getting screened at age 50 if you're at average risk for colorectal cancer. If you're at a increased risk, you may need to start regular screening at an earlier age and be screened more often. If you're 75 or older, ask your health care professional if you still need to be screened.

A colonscopy is the "gold standard" for colon cancer screening, but the best test is the one that gets done.

SCREENING GUIDELINES Speak with your health care professional about which screening option is right for you. STOOL DNA TEST (SDNA)* FECAL IMMUNOCHEMICAL TE **HIGH-SENSITIVITY FECAL OCC** COLONOSCOPY **DOUBLE-CONTRAST BARIUM** FLEXIBLE SIGMOIDOSCOPY VIRTUAL COLONOSCOPY 55

AGE 50| 55|

*Follow up a positive test
with a colonoscopy



Speak with your health care professional about whether or not screening should continue past age 75.

LIVER CANCER

Each year, more than 40,700 people are diagnosed with liver cancer and more than 28,900 people die of the disease. Chronic infection with hepatitis B or hepatitis C are leading causes of liver cancer.

You can greatly reduce your risk for liver cancer by protecting yourself from these viruses or diagnosing and treating the infections early.

TREATMENT OPTIONS

Liver cancer is treated through surgery, tumor ablation, tumor embolization, radiation therapy, targeted therapy and chemotherapy. Treatment depends on the stage and type of liver cancer.

WHO IS MOST AT RISK-



Men and women who:

Drink alcohol to excess.
 Drinking alcohol can lead to cirrhosis, or scarring of the liver, which can lead to liver cancer.



- Use tobacco products.
- · Are obese.

People who are obese are more likely to have fatty liver disease and Type 2 diabetes, which are both linked to liver cancer.

- Are exposed to cancercausing chemicals.
- Have hepatitis B or hepatitis C.

REDUCE YOUR RISK-



Get vaccinated for hepatitis B



Seek treatment

if you are diagnosed with hepatitis B or hepatitis C.



Never smoke If you do, quit.



Get testedif you are at risk for hepatitis B or hepatitis C.



Do not share needles to inject drugs



Practice safer sex Use a new condom the right way every time.

-WHO IS MOST AT RISK-

You are at risk for hepatitis B if you:

- Have had sex with someone who has hepatitis B.
- Have had multiple sexual partners.
- Have a sexually-transmitted disease.
- Are a man who has had sex with other men.
- · Have shared needles to inject drugs.
- Live with someone who has chronic hepatitis B.
- Have traveled to (or have come from) a country where many people have hepatitis B.
- Are exposed to blood at work.
- · Are on long-term hemodialysis.
- Were born to a mother with hepatitis B.

You are at risk for hepatitis C if you:

- · Were born between 1945 and 1965.
- Have shared needles to inject drugs.
- Have had sex with someone who has hepatitis C (less common than with hepatitis B).
- Were born to a mother with hepatitis C (less common than with hepatitis B).
- Received a blood transfusion or organ transplant before July 1992.
 This is when screening started for hepatitis C in blood for transfusions and organs for transplantation.
- Took medicine for a blood-clotting problem before 1987.
- Are on long-term hemodialysis.
- Are infected with human immunodeficiency virus (HIV).

SYMPTOMS

Unexpected weight loss

Loss of appetite

Nausea or vomiting

An enlarged liver, felt as a mass under the right side of your ribs

An enlarged spleen, felt as a mass under the left side of your ribs

Pain in the abdomen or near the right shoulder blade

Swelling or fluid build-up in the abdomen

Itching

Yellowing of the skin and eyes

Fever

Abnormal bruising or bleeding

Enlarged veins on the belly that become visible through the skin

Some liver tumors create hormones that affect organs other than the liver.

These hormones may cause:

- Nausea, confusion, constipation, weakness or muscle problems caused by high blood calcium levels.
- Fatigue or fainting caused by low blood-sugar levels.
- Breast enlargement and/or shrinking of the testicles in men.
- A red and flushed appearance caused by high counts of red blood cells.
- · High cholesterol levels.

LUNG CANCER

Lung cancer is the leading cause of cancer death for both men and women.
Each year, more than 222,000 people are diagnosed with lung cancer and nearly 156,000 die of the disease. Smoking is the leading cause of lung cancer.

WHO IS MOST AT RISK-



Men and women who:

 Smoke now or have a history of heavy smoking—even if they quit years ago.



- Have been heavily exposed to secondhand smoke.
- Have been exposed to indoor or outdoor air pollution.

REDUCE YOUR RISK-



Never smoke If you do, quit.

If you're a heavy smoker or former smoker, talk with your health care professional about the pros and cons of screening It's recommended that current or former smokers with 30 pack-year histories be screened. There is definitive evidence that screening long-time smokers with low-dose spiral CT significantly reduces lung cancer deaths.

- Have had jobs that exposed them to radiation.
- Have been exposed to certain toxic substances, such as arsenic, radon or asbestos.
- Have personal or family histories of lung cancer.



Stay away from secondhand smoke



Eat lots of fruit and vegetables



Make your home and community smoke-free

SYMPTOMS

In the early stages, there may be no symptoms. As lung cancer progresses, these symptoms may occur:

A cough that does not go away

Coughing up blood

Constant chest pain

Repeated pneumonia or bronchitis

Weight loss and loss of appetite

Hoarseness lasting a long time

Wheezing or shortness of breath

Feeling very tired all the time

Talk with your health care professional if you have any of these symptoms, even if you have none of the risk factors listed.

TREATMENT

Lung cancer treatment depends on the type of cancer (small cell or non-small cell), the size of the tumor and whether or not it has spread.

- In early stages of lung cancer, when the disease has not spread outside the lungs, surgery is the usual treatment. Sometimes chemotherapy is used in combination with surgery.
- For later stages of the disease, radiation and chemotherapy are sometimes used in combination with surgery.
- New, less-invasive surgery may help patients recover more quickly with the same results as older, more invasive surgery.

ORAL CANCER

Oral cancer is cancer of the mouth or throat. Each year, nearly 50,000 people are diagnosed with oral cancer and 9,700 die of the disease. Oral cancer is twice as common in men as in women. Tobacco and alcohol use are among the strongest risk factors for oral cancer.

Oropharyngeal cancer refers to cancer of the back of the throat, including the base of the tongue and tonsils. For more information on the human papillomavirus (HPV) and oropharyngeal cancer, see page 29.

Because some oral precancers and cancers can be found early, it is important to visit your dentist regularly for oral cancer screening.

WHO IS MOST AT RISK-



Men and women who:

- · Chew or smoke tobacco.
- · Drink alcohol in excess.



 Are exposed to sunlight for long periods of time.

Are not physically active.

REDUCE YOUR RISK-



Do not smoke or chew tobacco
If you do, quit.



Limit alcohol

Consume no more than one drink a day for women or two drinks a day for men.



Eat fruits and vegetables

- Have a certain type of human papillomavirus (HPV).
- Have immune systems that have been weakened by certain medications.



Avoid sun exposure

especially between 10 am and 4 pm when sunlight is strongest.



Always use lip balm with SPF 30 or higher

with UVA and UVB protection.



Get screened

Talk with your dentist about an oral exam.

SYMPTOMS

White or red patches on lips, gum, tongue or mouth lining

A lump which can be felt inside the mouth or on the neck

Pain or difficulty chewing, swallowing or speaking

Hoarseness lasting a long time

Numbness or pain in any area of the mouth that does not go away

Swelling of the jaw

Loosening of teeth

Changes in how dentures fit the mouth

Bleeding in the mouth

A sore on the lips or in the mouth that does not go away

An earache that does not go away

If you have any of these symptoms, see your dentist or other health care professional right away.

TREATMENT OPTIONS

Surgery, radiation, chemotherapy and newer targeted therapies may be used alone or in combination.

PROSTATE CANCER

Each year, more than 161,000 men are diagnosed with prostate cancer and more than 26,000 die from the disease. Most prostate cancers are diagnosed in men older than 65.

WHO IS MOST AT RISK-



Men who:

- Are age 50 or older.Are African-American.
- African-American men are more likely to have prostate cancer than white or Hispanic men.

REDUCE YOUR RISK-



At age 50, start talking to your doctor about the pros and cons of prostate cancer screening

Early detection of prostate cancer followed by prompt treatment saves lives, but some men are treated for prostate cancer that will never cause them harm, and they must live with any side effects or complications of the treatment.

Never smoke If you do, quit.

A recent study of men who stopped smoking before being diagnosed with prostate cancer shows that quitting may slow its development or lessen its severity.

Have family histories of prostate cancer.



Know your family history

If you are an African-American man, or if you have a close relative (father, son or brother) who had prostate cancer before age 65, start talking to your doctor about prostate cancer when you are 45. If more than one close male relative had prostate cancer before 65, start that talk when you turn 40.



Maintain a healthy weight

SYMPTOMS

There are usually no symptoms in the early stages. Some men experience symptoms that include:

Urinary problems

Not being able to urinate, having trouble starting or stopping urine flow, having a weak or interrupted urine flow, feeling pain or a burning sensation while urinating.

Blood in the urine Painful or difficult erection

Pain in lower back, pelvis or upper thighs

Symptoms like these may also be caused by other health problems, including an enlarged prostate or BPH (benign prostatic hyperplasia).

TREATMENT OPTIONS

Current treatment options vary, depending on the stage of the cancer and your other medical conditions.

- Treatments include surgery, radiation or hormone therapy.
 Sometimes treatments are combined.
- Some prostate cancers grow very slowly and do not require immediate treatment. In these cases, you and your doctor may decide on "active surveillance" with regular follow-ups, usually every three to six months. This option should be open to reassessment, as your condition or concerns may change.

SKIN CANCER

Skin cancer is the most common cancer diagnosis and also the most preventable cancer. Most skin cancer is caused by damage from the sun's ultraviolet (UV) radiation. Each year, more than 87,000 people are diagnosed with melanoma-the most dangerous type of skin cancer-and more than 9,700 die of the disease. It is roughly estimated that more than three million people are diagnosed with non-melanoma skin cancereither basal cell or squamous cell carcinoma - each year.

Research on the benefits of vitamin D (which is made by the skin from sunlight) indicates that just brief exposure of your face, arms and hands to the sun is sufficient—about 15 minutes a day, three days per week. Some experts say it is better to get your vitamin D from food or supplements. Talk to your health care professional about vitamin D and your health.

Anyone, regardless of skin color, may develop skin cancer. The risk of skin cancer increases as you get older.

WHO IS MOST AT RISK-



Men and women who:

 Spend time in the sun or use sun lamps or tanning booths.



- · Smoke.
- Have blond, red or light brown hair and blue, gray or green eyes.
- Have fair skin, freckles or skin that burns easily.
- Have personal or family histories of skin cancer.
- Have certain types of genetic problems that affect the skin.
- Have been treated with radiation.

REDUCE YOUR RISK-



Avoid sun exposure

especially between 10 am and 4 pm, when sunlight is strongest.



Always use sunscreen SPF 30 or higher with UVA and UVB protection

and reapply ever two hours if you stay in the sun, even on cloudy days.



Protect children from the sun



Wear protective clothing, headwear and eyewear when possible

- · Have weakened immune systems.
- Have several moles on their bodies, especially if they have had some of them since birth.
- Have odd moles or one or more large colored spots on the skin.
- Have had contact with certain chemicals, such as arsenic in drinking water.
- Have skin damaged from injury or from long-term inflammation.
- · Have human papillomavirus (HPV).
- · Had sunburns as children.



Never use tanning beds or sun lamps





Examine your skin once a month

Tell your health care professional about skin changes.



Have your health care professional examine your skin annually

SYMPTOMS

A sore that does not heal

A mole or other skin growth you have not noticed before

A change in the border of a spot, spread of color, redness or swelling around the area

A small, smooth, shiny, pale or waxy lump that may bleed

Large areas with oozing or crust

A flat red spot or a lump that is scaly or crusty

Itchiness, tenderness or pain from a mole or elsewhere on your skin

A brown or black colored spot with uneven edges

Men are more likely than women to get non-melanoma skin cancer.

SKIN CANCER CONTINUED

TREATMENT OPTIONS

Most skin cancers found early can be treated successfully. Treatment depends on the type of skin cancer and the stage of the disease.

COMMON TREATMENT Current treatment options include:

- Surgery
- Biological drug treatments
- Various chemotherapies
- Radiation
- Immunotherapy

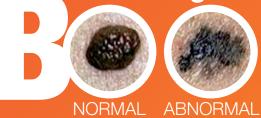
ABCDE RULE-

DOKING MOLES





Border irregularity



Color that is not uniform



NORMAL ABNORMAL

Diameter greater than 6mm



Evolving size, shape or color

TESTICULAR CANCER

Each year, more than 8,800 men are diagnosed with testicular cancer, and more than 400 die of the disease. It is the most common cancer in men ages 15 to 34. Testicular cancer is usually curable when found early and treated appropriately; treatment is often successful even at later stages.

WHO IS MOST AT RISK-



Men who:

- Have personal histories of an undescended testicle(s) at birth or other abnormal development of the testes.
- Are infected with human immunodeficiency virus (HIV).

REDUCE YOUR RISK-



Ask your health care professional to examine your testicles

as part of your routine physical exam.



Family health

If you have a son who was born with an undescended testicle, talk with his health care professional about correcting it before he reaches puberty.

- Have a genetic problem caused by having an extra X chromosome.
- Have personal or family histories of testicular cancer.
- · Are Caucasian.



Self-exam

Talk with your health care professional about the testicular self-exam. It is one way to get to know what is normal for you. If you notice a change, talk with your health care professional right away.

SYMPTOMS

Talk with your health care professional right away if you have any of these symptoms:

A painless lump, enlargement or swelling in either testicle

A change in how the testicle feels

Dull aching in the lower abdomen, back or groin

Pain or discomfort in a testicle or in the scrotum

Sudden collection of fluid in the scrotum Feeling of heaviness in the scrotum

TREATMENT OPTIONS

Treatment depends on the stage and type of cancer and the size of the tumor. It also depends on whether the cancer has spread beyond the testicle. Treatment is usually successful and can include surgery, radiation and chemotherapy, alone or in combination.

WHO IS MOST AT RISK

HUMAN PAPILLOMA-VIRUS (HPV)

HPV consists of many viral types, and many of them are spread through vaginal, anal or oral sex. Certain types of HPV can cause these cancers:

- · Cervical cancer
- Vulvar cancer
- Vaginal cancer
- · Penile cancer
- · Anal cancer
- Oropharyngeal cancer (cancer of the back of the throat, including the base of the tongue and tonsils)

Each year, more than 30,000 HPV-related cancers are diagnosed. Cervical cancer is the most common HPV-related cancer in women and oropharyngeal cancer is the most common in men. Studies show that HPV is probably responsible for more than 90 percent of anal and cervical cancers and more than 60 percent of vaginal, vulvar, penile and oropharyngeal cancers.

WHO IS MOST AT RISK

Women who have had many sexual partners or unprotected sex with uncircumcised men are at increased risk for HPV. Men who are uncircumcised or have had many sexual partners are also at increased risk.

TAKE ACTION

The HPV vaccine is recommended for all kids ages 11 or 12, and a "catch up" vaccine may be an option for teens and young adults. There is no treatment for HPV infection, which makes vaccination even more important. However, some screening tests can detect cell changes caused by HPV, and those changes can be treated before they become cancer. Talk to your health care professional about getting screened.

To learn more about risk factors and risk reduction for cervical cancer, see page 9.

REDUCE YOUR RISK-





HEPATITIS B & HEPATITIS C

Hepatitis B and hepatitis C have been linked to liver cancer. You can be vaccinated against hepatitis B. While there is currently no vaccination for hepatitis C, you can get tested for its presence and, should you test positive, treated for the virus.

Most liver cancer cases are related to chronic infection with the hepatitis B or hepatitis C viruses. Many people do not know they have these viruses and thus do not receive treatment that can help prevent them from developing liver cancer. During the next 10 years, approximately 150,000 people in the United States will die from liver cancer or end-stage liver disease associated with chronic hepatitis B or C infection.

WHO IS MOST AT RISK

You can become infected with hepatitis B or hepatitis C through sexual contact, contact with blood, such as sharing needles or syringes, or from mother to child during birth (more likely for hepatitis B). People born between 1945 and 1965 are at higher risk for hepatitis C infection.

TAKE ACTION

All children should be vaccinated against hepatitis B, as well as adults who are at risk. While there is currently no vaccine for hepatitis C, you can get tested for its presence, and, if it is found, treated, which can cure the infection. There are also some treatments for hepatitis B.







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