

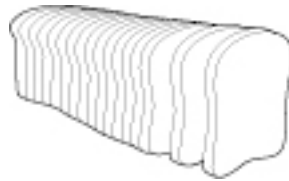
# Constipation

## What is constipation?

Constipation is a symptom that has different meanings to different individuals. Most commonly, it refers to infrequent bowel movements, but it may also refer to a decrease in the volume or weight of stool, the need to strain to have a movement, a sense of incomplete evacuation, or the need for enemas, suppositories or laxatives in order to maintain regularity.

For most people, it is normal for bowel -movements to occur from three times a day to three times a week; other people may go a week or more without experiencing discomfort or harmful effects. Normal bowel habits are affected by diet. The average American diet includes 12 to 15 grams of fiber per day, although 25 to 30 grams of fiber and about 60 to 80 ounces of fluid daily are recommended for proper bowel function. Exercise is also beneficial to proper function of the colon.

About 80 percent of people suffer from -constipation at some time during their lives, and brief periods of constipation are normal. Constipation may be diagnosed if bowel movements occur fewer than three times -weekly on an ongoing basis. Widespread beliefs, such as the assumption that everyone should have a movement at least once each day, have led to overuse and abuse of laxatives.



Eating foods high in fiber, including bran, shredded wheat, whole grain breads and certain fruits and vegetables will help provide the 25 to 30 grams of fiber per day recommended for proper bowel function.

## What causes constipation?

There may be several, possibly simultaneous, causes for constipation, including inadequate fiber and fluid intake, a sedentary lifestyle, and environmental changes. Constipation may be aggravated by travel, pregnancy or change in diet. In some people, it may result from repeatedly ignoring the urge to have a bowel movement.

More serious causes of constipation include growths or areas of narrowing in the colon, so it is wise to seek the advice of a colon and rectal surgeon when constipation persists. Individuals with spinal cord injuries frequently experience problems with constipation. Constipation may be a symptom of diabetes. Constipation may also be associated with scleroderma, or disorders of the nervous or endocrine systems, including thyroid disease, multiple sclerosis, or Parkinson's disease.

## Can medication cause



## constipation?

Yes, many medications, including pain killers, antidepressants, tranquilizers, and other psychiatric medications, blood pressure medication, diuretics, iron supplements, calcium supplements, and aluminum containing antacids can slow the movement of the colon and worsen constipation.

### **When should I see a doctor about constipation?**

Any persistent change in bowel habit, increase or decrease in frequency or size of stool or an increased difficulty in evacuating warrants evaluation. Whenever constipation symptoms persist for more than three weeks, you should consult your physician. If blood appears in the stool, consult your physician right away.

### **How can the cause of constipation be determined?**

Constipation may have many causes, and it is important to identify them so that treatment can be as simple and specific as possible. Your doctor will want to check for any anatomic causes, such as growths or areas of narrowing in the colon.

Digital examination of the anorectal area is usually the first step, since it is relatively simple and may provide clues to the underlying causes of the problem. Examination of the intestine with either a flexible lighted instrument or barium x-ray study may help pinpoint the problem and exclude serious conditions known to cause constipation, such as polyps, tumors, or diverticular disease. If an anatomic problem is identified, treatment can be directed toward correcting the abnormality.

Other tests may identify specific functional causes to help direct treatment. For example, "marker studies," in which the patient swallows a capsule containing markers that show up on x-rays taken repeatedly over several days, may provide clues to disorders in muscle function within the intestine. Other

physiologic tests -evaluate the function of the anus and rectum. These tests may involve evaluating the reflexes of anal muscles that control bowel movements using a small plastic catheter, or x-ray testing to evaluate function of the anus and rectum -during defecation.

In many cases, no specific anatomic or functional causes are identified and the cause of constipation is said to be nonspecific.

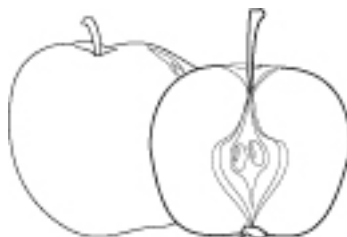
### **How is constipation treated?**

The vast majority of patients with constipation are successfully treated by adding high fiber foods like bran, shredded wheat, whole grain breads and certain fruits and vegetables to the diet, along with increased fluids. Your physician may also recommend lifestyle changes. Fiber supplements containing indigestible vegetable fiber, such as bran, are often recommended and may provide many benefits in addition to relief of -constipation. They may help to lower cholesterol levels, reduce the risk of developing colon polyps and cancer, and help prevent symptomatic hemorrhoids.



Fiber supplements may take several weeks, possibly months, to reach full effectiveness, but they are neither harmful nor habit forming, as some stimulant laxatives may become with overuse or abuse. Other types of laxatives, enemas or suppositories should be used only when recommended and monitored by your colon and rectal surgeon.

Designating a specific time each day to have a bowel movement also may be very helpful to some patients. In some cases, bio-feedback may help to retrain poorly functioning anal sphincter muscles. Only in rare circumstances are surgical procedures necessary to treat constipation. Your colon and rectal -surgeon can discuss these options with you in greater detail to determine the best treatment for you.



### **What is a colon and rectal surgeon?**

Colon and rectal surgeons are experts in the surgical and non-surgical treatment of diseases of the colon, rectum and anus. They have completed advanced surgical training in the treatment of these diseases as well as full general surgical training. Board-certified colon and rectal surgeons complete residencies in general surgery and colon and rectal surgery, and pass intensive examinations conducted by the American Board of Surgery and the American Board of Colon and Rectal Surgery. They are well-versed in the treatment of both benign and malignant diseases of the colon, rectum and anus and are able to perform routine screening examinations and surgically treat conditions if indicated to do so.