



Why is iron so important for your health?

Iron is an essential nutrient for your body, which you get from your food. It is needed for your mental and physical health and to keep your energy levels up.¹⁻³ Iron is present in a substance called haemoglobin, which is found in red blood cells. Haemoglobin carries oxygen in the blood from the lungs to the rest of the body.⁴ Oxygen is required in your brain for concentration and in your muscles for physical energy.⁵ Iron is also needed to maintain a healthy immune system, helping you to fight off infections.⁶

What happens if you don't get enough iron?

If the iron levels in your body are low you can become iron deficient. The recommended levels for iron in the body are different for different people, depending on age and gender.⁷ Iron deficiency is the most common nutrient deficiency in the world.⁸

Over time, iron deficiency can mean that your body makes fewer healthy red blood cells, a condition known as Iron Deficiency Anaemia (IDA). In industrialized countries, between two and four percent of people have iron deficiency anaemia.^{7,9,10} There are many symptoms of iron deficiency anaemia, however one of the main signs is feeling fatigued or exhausted¹ because your blood is less able to transport oxygen around your body.⁴

If iron deficiency is not treated there can be long-term consequences for your health. Fatigue and other symptoms of iron deficiency can also lower your quality of life and reduce your ability to concentrate and be productive at work.³ If you think you may be anaemic or iron deficient, it is important that you speak to your doctor so that they can investigate further.

Are you getting enough iron?

Balancing the supply and demand for iron in your body is important to maintain good health. Normally your iron levels remain in balance, with iron from your diet replacing the iron stores used up by your body.¹ The iron in your food is absorbed into the bloodstream in your small intestine.¹

The supply and demand for iron in your body can become unbalanced for a number of reasons and this can lead to iron deficiency.

A decreased supply of iron to your body can be caused by...

- **A lack of iron in your diet.** Iron can be found in both animal products and plant foods. Iron from animal products (known as haem iron) is better absorbed by your body than iron from plant foods (known as non-haem iron).¹ If you are vegetarian or vegan it is more likely that you will not be getting enough iron.² Choosing what you eat wisely can help to keep your iron levels up.

- **Iron from your food not being absorbed properly in your small intestine.** If you have Inflammatory Bowel Disease (Crohn's disease or ulcerative colitis) or coeliac disease, then the lining of your small intestine may be inflamed. This means that less iron can be absorbed from your food into your bloodstream.³⁻⁵

An increased demand for iron may be caused by...

- Blood loss, for example as a result of:
 - Heavy periods.²
 - Internal bleeding from your gut (gastro-intestinal bleeding).³
 - Frequent blood donation.⁶
 - Traumatic injuries/ accidents.^{7,8}
 - Surgery.^{7,9,10}
- Increased demand for red blood cells or oxygen in your body, for example as a result of:
 - Intense exercise.¹¹
 - Growth and development in children and adolescents.¹
 - Pregnancy.²
- Chronic inflammation in diseases such as Inflammatory Bowel Disease or Rheumatoid Arthritis: If you have a condition that involves chronic inflammation, your immune system can block the release of iron from your body's iron stores, reducing the amount of iron available to make red blood cells.¹²
- Other medical conditions and/or therapies, such as haemodialysis for patients with kidney disease.

If you are not getting enough iron, for any reason, you might find yourself lacking in energy and feeling exhausted day after day. While there are other symptoms of iron deficiency, extreme tiredness or fatigue is often reported by patients.⁴

Do you feel more than just tired?

Everyone gets tired from time to time, but if you feel exhausted every day, it may be that you are suffering from fatigue. How do you tell the difference between tiredness and fatigue?

A good first step towards understanding why you are feeling tired is to look at your lifestyle and daily stresses and strains. These might include:

- Lack of exercise.¹⁻³
- Lack of sleep.⁴
- Too much physical activity.⁵
- Excess caffeine intake,⁶ or excess alcohol intake.⁷
- Illnesses such as colds or flu.⁵

If you are tired for one of these reasons, it is likely that your tiredness will not last very long and that you will feel better after exercising, resting, or getting more sleep.⁵



Use our Symptom Browser to see the complete list of symptoms that iron deficiency can cause and to understand what each of these symptoms involves.

Increased Susceptibility to Infections.¹⁸

If you seem to be picking up more infections than usual, such as coughs and colds, this could be a sign that you have iron deficiency. Iron is needed by your body to maintain a healthy immune system.

Dizziness,^{13,19,20} Irritability,²¹⁻²³ and Loss of Concentration.²³⁻²⁵

Feeling irritable, dizzy or losing concentration quickly could be due to iron deficiency. Iron helps your blood deliver oxygen around the body, and feeling irritable or dizzy may be a sign that your brain is not getting enough oxygen.

Don't diagnose yourself. Talk to your doctor.

If you experience the symptoms listed above, or are concerned for your health in any way, it is important that you talk to your doctor to find out what the underlying problem might be. Your doctor will be able to perform tests to determine whether you have iron deficiency or if your symptoms are due to a different condition.

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Do you feel more than tired?

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**Always read the label. Use only as directed. Incorrect use could be harmful.
If symptoms persist, see your healthcare professional.**

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Maltofer contains Iron as Iron Polymaltose. For the treatment of iron deficiency and prevention of iron deficiency in high risk adults and adolescents where the use of ferrous iron supplements is not tolerated, or otherwise inappropriate.

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