

Potassium factsheet

What is potassium?

Potassium is an essential mineral that is needed by all cells of the body. It is found in some food and drinks.

Why do I need potassium?

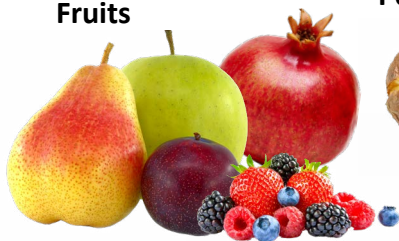
It has many roles in the body:

- controlling movement of muscles, and heartbeat
- control of blood pressure
- regulating the amount of fluid in your body
- sending messages to our nervous system
- helps all the cells in the body work correctly

Where do I get potassium from?

We get potassium from the food we eat. It is in many foods including:

Fruits



Potatoes



Vegetables



Nuts and seeds



Pulses like beans and lentils



Meat, fish, and dairy



In the UK, the recommended intake for potassium is 3.5g (3500mg) a day.

Most people *do not get enough potassium* from their food. You can make sure you get the right amount of potassium by eating a healthy balanced diet. This means:

- eating plenty of fruit and vegetables - fresh, dried, tinned, and frozen all count
- eating nuts, seeds, beans and pulses
- eating moderate amounts of meat, fish, and dairy
- limiting ultra-processed foods

The eat well guide is a good starting point to help you plan a healthy diet.



Source: Public Health England in association with the Welsh Government, Food Standards Scotland and the Food Standards Agency in Northern Ireland

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Healthy Foods rich in potassium: - choose *more of these*

Fruits	Vegetables	low fat dairy or alternatives	Beans and pulses	Plain unsalted nuts and seeds
Fresh, dried, tinned or frozen	Fresh, tinned or frozen	Including dairy or plant-based milk and yogurts	Whole grains (brown bread/pasta/ rice)	

Ultra Processed foods: - choose *less of these*



- Convenience foods, packets or jars or ready-made sauces, instant noodles or pasta pots
- Crisps, salty snacks, biscuits
- Low fat dairy Ice creams, milkshakes, cakes and pastries
- Processed meats like ham, sausage, bacon, cheese triangles and slices. Plant-based meat alternatives.
- Flavoured, salted and coated nuts and seeds

What is a processed food?

Processed food is not always unhealthy, for example tinned, frozen, or chopped vegetables. However, a diet high in **ultra-processed food** is usually *low in healthy vitamins and minerals*.

‘**Ultra-processed**’ means a food has changed a lot from the original form. These foods often have added *fat, sugar, salt, and additives*, which will make them *less healthy*. Look at the food labels (traffic lights) and ingredients.

Each serving (150g) contains

Energy	Fat	Saturates	Sugars	Salt
1046kJ 250kcal	3.0g	1.3g	34g	0.9g
	LOW	LOW	HIGH	MED
13%	4%	7%	38%	15%

of an adult's reference intake
Typical values (as sold) per 100g: 697kJ/ 167kcal

What happens if I don't get eat enough potassium from my diet?

Eating enough healthy potassium rich foods helps to **lessen the unhealthy effect of sodium (salt) in the body**. This is due to the way our kidneys get rid of sodium. If you don't eat enough potassium, it can lead to high blood pressure in the long term. **High blood pressure increases the risk of stroke, and many heart problems.**

As well as making sure we have foods containing potassium it is important to **not have too much salt** (sodium) in our diet. To keep healthy you need **less salt AND more potassium**.



What happens if my blood potassium level is too low?

A very low blood potassium level (**hypokalaemia**) is **very rare** and is usually caused by *severe malnutrition, severe bowel disorders, or overuse of some medications*. This can be dangerous because it can cause problems with the way that your heart beats in the short term and is likely to need hospital treatment.

What happens if my blood potassium level is too high?

A very small number of people are at risk of a high blood potassium. These people tend to have late-stage kidney disease. Not everyone with kidney disease will be at risk of a high blood potassium level. **Do not limit potassium in your diet unless your doctor tells you to. This can cause poor nutrition.**

High potassium levels (hyperkalaemia) can be dangerous. This can cause an irregular heartbeat in the short term which may cause a heart attack. Other immediate problems can be breathing problems, sickness, cramps and weakness. High blood potassium is caused by kidney disease, severe muscle breakdown, and some medications.

How can I include more potassium in my diet?

- Aim for **5 or more portions** of *fruit and vegetables* a day
- Add *fruit and vegetables* to **every meal**, such as fruit on cereal, salad in sandwiches and vegetables with main meals
- Try *fruit or vegetables* as a **snack** - carrot sticks with hummus or soft cheese
- Add *extra vegetables* to your meals – try adding celery to your Bolognese, or mushrooms to your chicken curry
- Dairy foods, meat and fish *will also provide some potassium*. Try to include plenty of vegetables as well
- Try to **cook from scratch** some new healthy recipes just *once or twice a week* until that becomes a **regular habit**



Key points on potassium

- Potassium is an essential mineral for our body to work properly
- We get potassium from a diet rich in vegetables, fruit, wholegrains and pulses
- Diets without enough potassium can lead to high blood pressure, other heart problems and stroke
- A diet rich in potassium is healthy for almost everyone
- Speak to your dietitian if you have kidney disease and are thinking about changing your diet

Useful resources

Eat well guide

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/528193/Eatwell_guide_colour.pdf



British Heart Foundation Salt resources

<https://www.bhf.org.uk/informationsupport/support/healthy-living/healthy-eating/salt>

British Dietetic Association Position Statement on Processed food

<https://www.bda.uk.com/uploads/assets/06661eb4-b635-44a7-b3a1f753525c8f99/53f7356a-51eb-42c9-b1fbc6680230fbf3/Processed-Food-Position-Statement-FINAL-approved.pdf>

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