

Carbohydrates

Non-digestible fibre = Cellulose



Helps to keep gut flora happy and bowels clean

Simple carbs = Sugar

Complex

carbs =

Starches



Quick energy Not many nutrients

Break down into alucose more slowly

Both have to he broken down into glucose for the body to use it

Starch is sugar holding hands!

Main source of energy



Carbs all come from plants



A portion is about the size of your fist But adjust according to activity levels

Fibre Rich Carhs

Oats Fruit Veg Lentils Reans Skin on potatoes Whole grains

When we eat. our bodies break carbs down into simple sugars.

converted to fat Sugary Carbs

Excess intake



Sweets Sugary drinks Chocolates Biscuits Cakes Jams Syrups Honey Sugar

Starchy



Carbs power everything, from breathing and sleeping to running a marathon.

There are different types of carb, and the type we eat combined with the way we eat them, changes how our body uses them.









Blood sugar

Fibre helps to reduce the spike of sugar in our blood

Healthy out

Fibre feeds our 'good' gut bacteria. helping our immune system and metabolic health.

Lowers cholesterol Soluble fibre

traps cholesterol in our gut, instead leaving through our poop. Also, the bacteria in our gut breaks down fibre, helping to lower blood cholesterol

Regular bowels

Both types of fibre can help you go to the toilet.

Heart

Diets high in fibre can reduce obesity and high blood pressure

Fat loss

and eat less

What does fibre do for my body? Fibre can help us to feel a fuller for longer, which means that we don't feel as hungry

Fibre- our superfood

Diets rich in fibre are linked with good gut health and generally better health. Fibre is a type of carb that your body cannot digest properly, so instead of being broken down in to sugars like other carbs. it passes through your body.



Doesn't go gel like in your body. Helps food move through your body. Found in brown rice, spinach, bananas, berries



Soluble

Turns gel like in your body when mixed with water. This slows how quickly food moves through your body, makes you feel fuller for longer and control your hunger, reduces your 'bad' cholesterol, and can stop you getting so tired throughout the day- avoiding 'the crash'. Found in foods such as oats, beans, pears, carrots



WARNING

Combine it with drinking plenty of water (6-8 glasses a day) and it'll help with digestion and keeping you going to the loo regularly. Making a quick change from a low-fibre to a high-fibre diet can cause cramps.

THITION

increased wind and bloating. So always increase the amount of fibre in your diet slowly.





Gut Microbiome



High in sugar

High in fat

Don't snack too late

Low in fibre

Within our outs live trillions of microbes and bacteria, making up our gut microbiome. Some of these microbes are friends. some are neutral, others can be enemies.

> The foods we eat have a major influence on our gut microbiome and in turn our health.

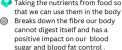


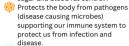
What does the gut microbiome do?

> Most of us have about 160 different types of microhes in our gut

directly influence lots of parts of our health, including... Taking the nutrients from food so

These hacteria and microhes

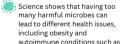




Makes vitamins K and B, which supports functions from healthy bones to getting red blood cells







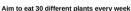
autoimmune conditions such as multiple sclerosis. Scientists also believe that less

diversity (different types) of microbes in the gut can also be harmful for health, People with low diversity are more likely to develop some types of arthritis, type 2 diabetes, inflammatory bowel disease and celiac.









It is easier than you think! Try get in different vegetables, fruits, wholegrains, nuts, seeds and pulses. But it can be as simple as using different spices when you cook. Using spices is also a great way to make food taste more interesting!



Colourful fruits and vegetables are rich in fibre and polyphenols, which our good gut bugs love! Why don't you try having two different colours on your plate (beige does not count) at dinner time.

Fermented foods

These foods contain living microbes, which get on very well with our good gut bugs. They're fun to experiment with and can add an exciting addition to our meals, fermented foods include kefir, kombucha, kimchi, sauerkraut, plain yogurt with live cultures and certain cheeses. The key is to aim for a little and often instead of a lot occasionally.



lining and keep things healthy.

They are often high in sugar, fat, chemical additivities and low in fibre. This mix tends to starve our good bugs, feed our bad bugs and create high levels of inflammation within the body. We are not saying to never eat these foods, just try to limit them to no more than once a day.

Leaving a good chunk of time between out last meal and our breakfast gives our gut microbes

time to like little cleaners and clean up our gut

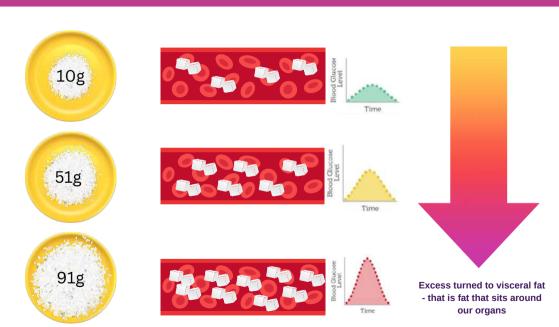












SUGAR AKA - Calactose Florida crystals **Sucanat Penuche** Gum syrup Maltol Dextrose Rice malt syrup Sweet sorghum

Natural Sugar

Glucose Fruits Fructose Vegetables Maltose Grains Lactose Dairy





Free Sugar

Term used for all Added sugar added to commercially food From manufacturer. amounts cook or consumer

Don't need to reduce naturally occurring sugars



Unsweetened juice does release some free sugars in the juicing process. Our gut doesn't have to work to get to the sugar and so gets more. So only a small 150ml glass a day!

The government recommends that free sugars should not make up more than 5% of the energy (calories) you get from food and drink each day.



11 +





7-10 vrs

Agave/nectar