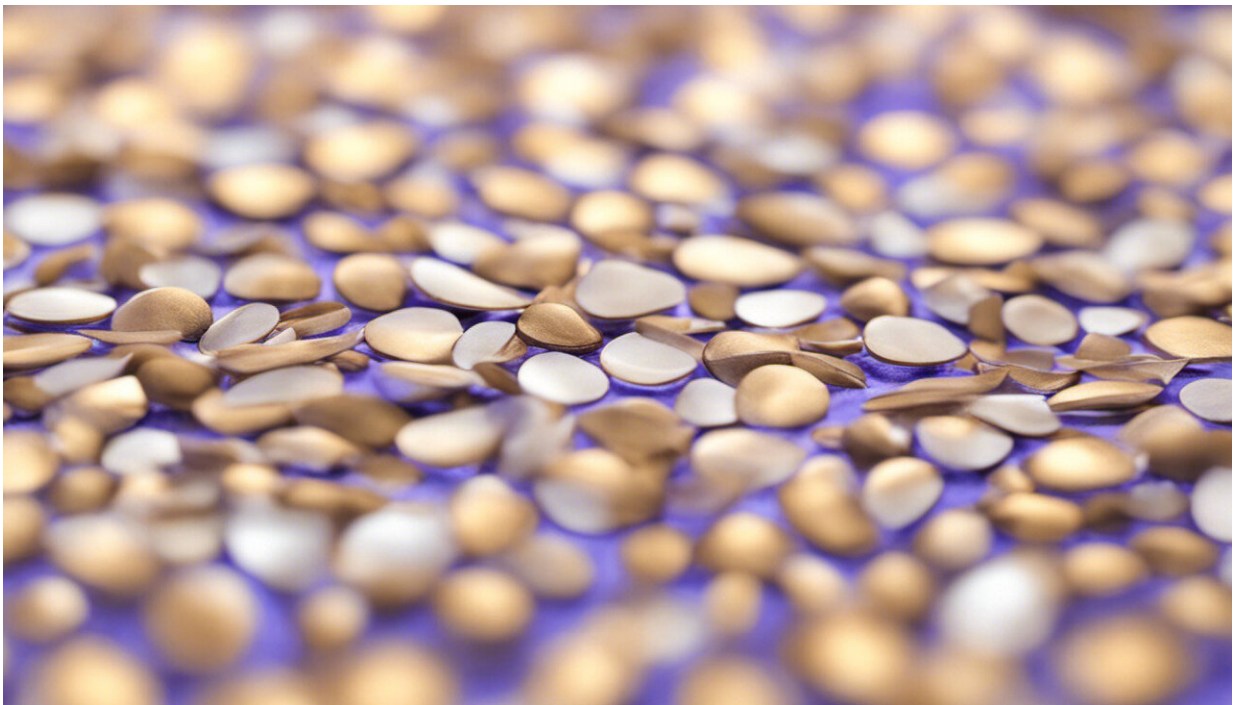


# Lowering the risk of heart disease after pre-eclampsia in pregnancy

June 4 2019, by Clare Collins, Lisa Vincze, Melinda Hutchesson And Rachael Taylor

---



Credit: AI-generated image ([disclaimer](#))

[Pre-eclampsia](#) is a serious condition triggered by pregnancy that starts with an increase in blood pressure and the detection of protein in the woman's urine.

While most cases are mild, if left untreated, [women with pre-eclampsia can develop](#) dangerously high [blood pressure](#) which damages vital organs—including the brain, liver and kidneys—and can cause seizures and strokes.

The unborn baby's growth can also be affected, leading to [premature birth](#) or [stillbirth](#).

One in 30 [pregnant women](#) in Australia are [diagnosed with pre-eclampsia](#). Each year, [two Australian women die](#) from [pre-eclampsia](#) or other [high blood pressure](#) conditions.

Signs and symptoms of pre-eclampsia usually resolve by about two months after the birth. However, [women then have four times](#) the risk of developing high blood pressure and [twice the risk](#) of having heart disease over their lifetime. The greatest risk is in the first [ten years following pre-eclampsia](#).

Yet a survey of 127 Australian women with a history of pre-eclampsia found only two-thirds were aware of their increased heart disease risk, with most discovering this by their own efforts.

The good news is [lifestyle changes](#) can help lower heart disease risk. If you've had pre-eclampsia, here are five ways you can improve your heart health:

## **1. Have regular heart health check-ups**

Regular [heart health check ups](#) means having your blood pressure and blood cholesterol checked by your doctor every five years, as a minimum.

Your GP can help monitor and manage factors that put you at higher risk

of heart disease.

## 2. Develop heart healthy eating habits

Using the Heart Foundation's [Heart Healthy Eating Principles](#) as a guide, aim to include:

- five serves of vegetables and two serves of fruit per day. This can seem like a lot, but try having some at each meal: adding fruit to breakfast cereal or as a snack; including salad vegetables at lunch; and a vegetable-based stir fry or salad at dinner
- wholegrain and high-fibre breads and cereals. This could include a wholegrain sandwich at lunch time and brown rice or wholemeal pasta at dinner
- a variety of lean protein sources including fish and seafood, lean meat and poultry, legumes, nuts and seeds
- avoid highly processed meats such as salami, ham, sausages and bacon
- reduced-fat dairy, including unflavoured milk, yoghurt and cheese. This helps reduce your total kilojoule intake
- heart-healthy fat sources, including nuts, seeds, avocados, olives and oils higher in monounsaturated and polyunsaturated fats such as olive and canola oil for cooking
- herbs and spices to flavour foods, instead of salt
- choosing water as your preferred drink.

[Following these recommendations](#) will boost your intake of fibre, [phytonutrients](#) and unsaturated fats (omega-3 and omega-6). In the longer term this will help reduce high blood pressure and high blood cholesterol, which are major risk factors for heart disease.

Check your eating habits by taking the [Healthy Eating Quiz](#) and get some brief advice on how to boost your score. Or visit an [accredited](#)

[practising dietitian](#) for tailored advice.

### 3. Be physically active

Regular [physical activity helps reduce heart disease risk in women](#) who have had pre-eclampsia. It does this by [improving your blood pressure, blood cholesterol and blood glucose](#) (sugar) levels and helping achieve a healthy weight after childbirth.

A [study of 24 women](#) with a recent history of pre-eclampsia found that a 12-week exercise intervention helped improve indicators of heart function.

Doing *any* [physical activity](#) is better than doing none. But if you are [returning to exercise after recently giving birth](#), talk to your GP or an exercise physiologist or physiotherapist about how best to start.

[Australia's exercise guidelines](#) recommend women be active for 30 to 60 minutes on most, if not all days of the week. Include moderate intensity activities (that don't make you too breathless) or vigorous intensity activities (that make you huff and puff) or a combination of both.

It's also recommended that women do [muscle strengthening activities](#) – such as pilates, yoga, or activities that include lifting weights or resistance training—twice a week.

Finally, when sitting, it's important to [get up and move every 30 minutes](#).

### 4. Aim for a healthy body weight

It takes time for women to return to their pre-pregnancy weight.

About [half of pregnancy weight gain is commonly lost in the first six weeks](#) postpartum, due to birth of the baby and the placenta, and the loss of [blood](#) and fluids needed to support the pregnancy.

While some of the remaining weight gain is intended to support the energy cost of breastfeeding, it can be much harder to shift. [A study in 152 women](#) found 68% of women had retained around 4.5kg of their pregnancy weight gain at 12 months post-partum.

Fad diets are not recommended, especially while breastfeeding. By focusing on healthy eating and regular physical activity, it's reasonable for women to expect to lose 0.5-1 kg per week.

Your non-pregnant waist circumference is another indicator of heart health and reflects the amount of fat stored around your internal organs. [The target waist circumference for women](#) for optimal heart health is less than 80cm. Measuring your waist circumference is an easy check you can do at home.

If appropriate, a long-term goal can be to aim for a [body mass index](#) (BMI) in the ["healthy weight" range](#) (18.5 to 24.9 kg/m<sup>2</sup>) to help reduce [heart disease risk](#).

Just keep in mind that BMI is a population-level indicator of health risks; it's not an accurate measure of body fat for everyone.

## 5. Quit smoking

Women who smoke [one cigarette per day have double the risk](#) of developing [heart disease](#).

Quitting smoking can [halve your risk of a heart attack](#).

Your GP can provide advice about quitting, or you can call [Quitline](#) on 13 QUIT (137 848) or use the Heart Foundation's [Quit Smoking Action Plan](#).

With education, knowledge and support, women with a history of pre-eclampsia can take control of their [heart](#) health.

This article is republished from [The Conversation](#) under a Creative Commons license. Read the [original article](#).

Provided by The Conversation

Citation: Lowering the risk of heart disease after pre-eclampsia in pregnancy (2019, June 4)  
retrieved 2 May 2024 from  
<https://medicalxpress.com/news/2019-06-lowering-heart-disease-pre-eclampsia-pregnancy.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--