

# Postmenopause Toolkit



Empowering Through Education



# Table of Contents

**1**

**Introduction**

**2**

**About Postmenopause**

**3**

**Physical Activity**

**4**

**Nutrition**

**5**

**Behaviour Change**

**6**

**Therapeutic Support**

**7**

**Sleep**

**8**

**Additional Resources**

# 1

## Introduction

### Postmenopause: An Introduction

Menopause is a natural stage of aging for all women and marks the end of reproduction. Many women can experience changes in their menstrual cycle, accompanied by a wide and diverse range of physical and psychological symptoms several years before their menstrual periods come to a final stop. Even after menstrual periods have ceased, many symptoms can persist or new symptoms can occur during the postmenopausal stage.

Women also face increased risks for chronic conditions such as osteoporosis, and cardiovascular disease in the postmenopause stage.

Importantly, lifestyle adjustments such as exercise and diet, may improve a woman's experience of symptoms during this life stage as well as protect against chronic conditions.

This toolkit provides you with information on how best to manage the postmenopausal phase of life and the changes you can make to optimize your health. Hopefully you will find this empowering and an opportunity to focus on yourself and your health.



## What Is In This Guide

**This booklet is designed to provide you with health information to empower you to manage your health in a new stage of life.**

- This booklet is not intended to replace healthcare information from medical professionals.
- Specific guidance surrounding treatment such as hormone replacement therapies should only be delivered by qualified medical practitioners with expertise in female health.
- Women should be supported when discussing their experience of menopause, especially if it is impacting their everyday life. Workplaces can consider implementing employee wellbeing initiatives to those going through menopause, such as extra breaks and flexible work hours.
- Additional educational supports for women will be available through SHE Research.

This resource was created primarily for women - those who identify as a woman as well as those that do not identify as a woman but share the same biological realities and experiences, for example, trans, queer, agender, cisgender, gender fluid, intersex and gender non-conforming people.



**2**

## About Postmenopause

**MENOPAUSE**



# Understanding The Female Reproductive Cycle

A woman's reproductive life is shaped by hormonal changes from puberty to menopause. These shifts affect fertility, emotions, and overall health, bringing different symptoms and experiences at each stage.

1

## PUBERTY (8-14 YEARS)



Puberty marks the beginning of a girl's reproductive life, driven by rising estrogen and progesterone levels. These hormones trigger menstrual cycles, breast development, and body changes. Emotional shifts and mood swings are common as the body adjusts to these new hormonal patterns.

2

## REPRODUCTIVE YEARS (15-45 YEARS)



During this stage, estrogen and progesterone regulate monthly cycles, supporting fertility and overall health. Hormonal fluctuations can impact mood, energy, and skin health. Pregnancy, contraception, and menstrual health are key considerations during this time.

## 3 PERIMENOPAUSE (APPROX 40 YEARS)



This transition phase before menopause sees estrogen levels fluctuating, leading to irregular periods, hot flashes, mood swings, and sleep disturbances. Some women may experience anxiety or memory changes as their bodies prepare for menopause.

4

## MENOPAUSE (45-55 YEARS)



Menopause is the specific point during the menopause transition where a woman has not experienced a menstrual period for at least 12 months. It marks the end of reproductive years.

5

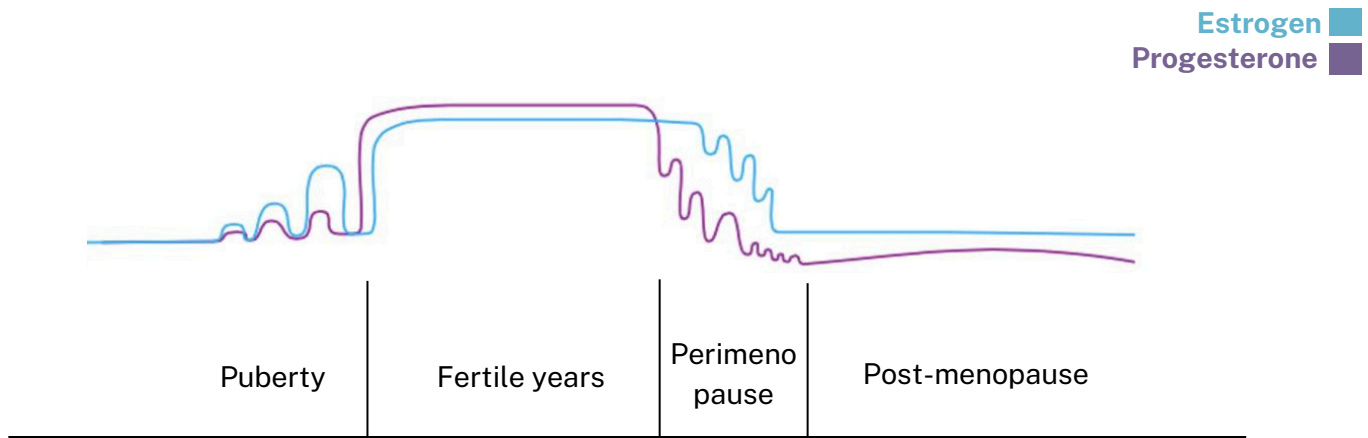
## POSTMENOPAUSE



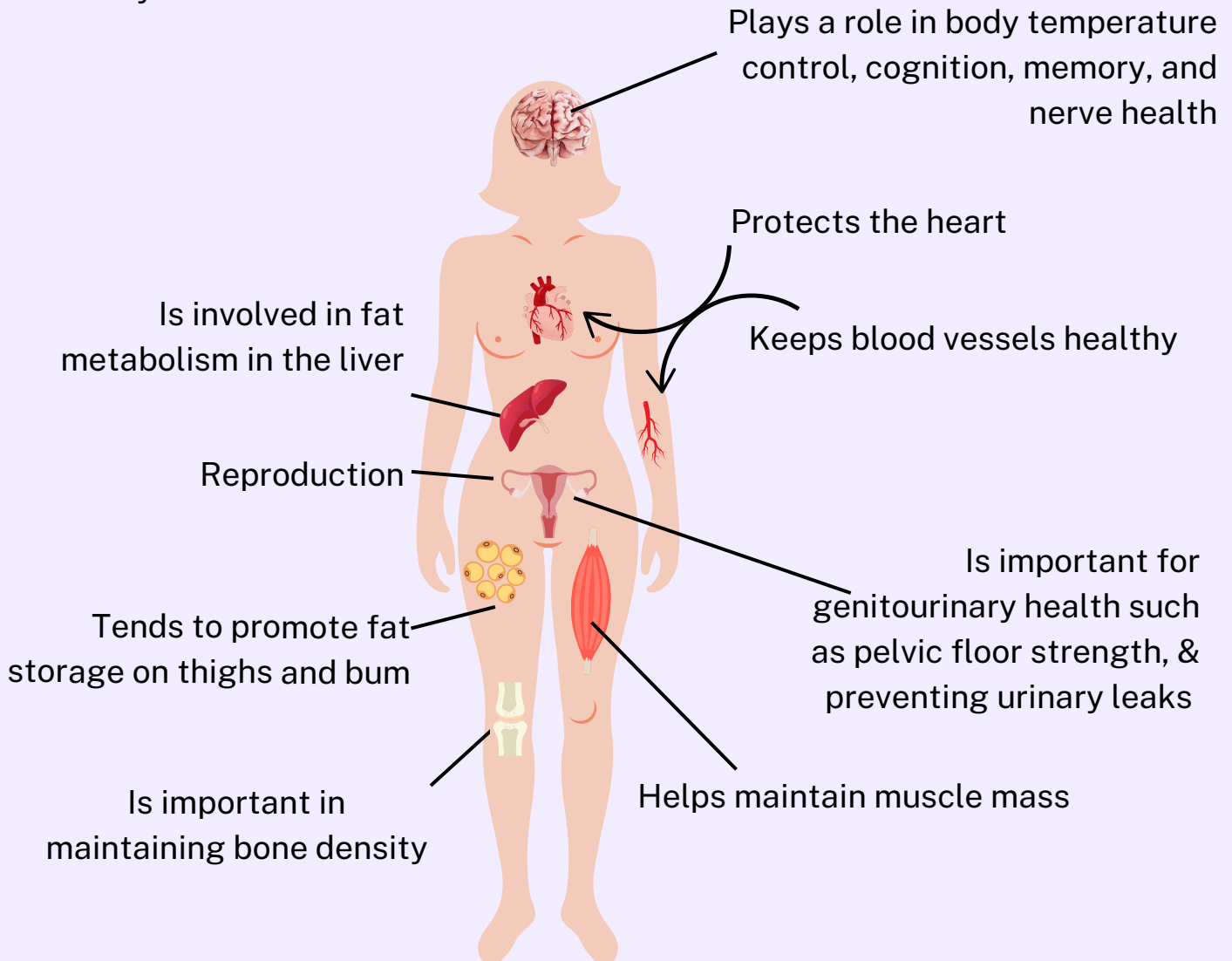
This stage begins after menopause and women are in this phase for the rest of their life. After menopause, estrogen and progesterone levels remain low, marking the end of menstrual cycles. This can lead to symptoms like vaginal dryness, bone density loss, and increased health related risks.

# The Female Sex Hormones

Two key hormones involved in the female reproductive cycle and overall health are **estrogen** and **progesterone**. The production of these hormones fluctuates throughout the menstrual cycle and changes over a woman's lifetime. The graph below illustrates how their levels vary across different life stages.



While these hormones are essential for pregnancy, they also play a vital role in lots of other functions in the body. Changes in their levels can significantly impact overall well-being. The picture below shows how estrogen, in particular, influences a wide range of bodily functions.



# Postmenopause: A Closer Look

Postmenopause is a stage of life that can offer positive changes, such as increased energy, freedom from periods and premenstrual syndrome (PMS), and a renewed focus on well-being. Gaining a better understanding of this phase can help you navigate it with confidence and make informed decisions about your long-term health. This page highlights some common changes women may experience during postmenopause.

## Symptoms

Women's experiences vary, but common changes due to lower hormone levels include:

**Hot Flashes & Night Sweats** – Often persist but usually lessen over time.

**Vaginal Dryness & Discomfort** – Reduced estrogen may cause dryness, itching, and discomfort especially during intimacy.

Some women experience mood swings, anxiety, or mild memory issues. These tend to be more common during perimenopause and for many women tend to be less of an issue postmenopause.

## Long term health

After menopause, the decline in hormones may impact various aspects of health. Bone health may be affected, as reduced estrogen may increase the risk of osteoporosis and fractures. Heart health can also be affected, with lower estrogen levels contributing to a higher risk of cardiovascular disease. Additionally, many women experience changes in metabolic health, including weight gain and a slower metabolism, which can further influence overall well-being during the postmenopausal phase.

## Life Transitions

Postmenopause often coincides with significant life transitions, amplifying both physical and psychological changes. Women may find themselves caring for aging parents while managing ongoing responsibilities and stress. For some, this phase involves adjusting to an empty nest as children become independent, navigating career transitions or the demands of peak professional roles, and experiencing shifts in personal relationships—including changes in intimacy, marriage, or even divorce. These life events, combined with the hormonal changes of postmenopause as well as aging, can present unique challenges and opportunities for growth.

# Postmenopause: Symptoms

The experience of symptoms postmenopause varies largely between women. Use this checklist to help identify any symptoms you have, to better explain your symptoms to healthcare professionals.

	None	A little	Quite a bit	Extremely
Heart beating quickly or strongly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling tense or nervous	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Difficulty in sleeping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excitable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attacks of anxiety, panic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Difficulty in concentrating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling tired or lacking in energy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loss of interest in most things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling unhappy or depressed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crying spells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Irritability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling dizzy or faint	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pressure or tightness in head	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parts of body feel numb	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Headaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Muscle and joint pains	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loss of feeling in hands or feet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Breathing difficulties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hot flushes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sweating at night	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loss of interest in sex	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# 3








## Physical Activity



# Why It Is Important To Be Active Postmenopause

As your hormone levels change, staying active is crucial for reducing health risks. The decline in estrogen contributes to physiological changes like decreased bone density, muscle mass, and metabolism. Regular movement supports overall health, mobility, and independence while managing menopause symptoms and lowering age-related risks. Staying active benefits both physical and mental well-being at any activity level.

## The Benefits of Exercise for Postmenopausal Women

-  May reduce severity of menopausal symptoms
-  Maintains / enhances bone health
-  Maintains / enhances cardiovascular health
-  Maintains / enhances metabolic health & reduces the risk of diabetes
-  Maintains or improves muscle mass and body composition
-  Enhances mental health and emotional well-being
-  Promotes better sleep quality
-  Enhances quality of life

# Recommended Levels of Physical Activity

Engaging in regular physical activity, including moderate-intensity **aerobic exercise** and **resistance training**, is recommended to support and improve health postmenopause.

## Aerobic Exercise

Aerobic exercise is any activity that raises your heart rate and breathing for an extended time through continuous, rhythmic movement. Simple activities like brisk walking, jogging and running, hiking, cycling, swimming, and dancing are great examples. Some forms of exercise classes such as circuit classes can also provide aerobic benefits if your heart rate and breathing rate is elevated.

### How Much Aerobic Activity Should I Do?

You should aim to do

- 2 hrs and 30 mins to 5 hours of moderate intensity aerobic activity OR 1 hr and 15 mins to 2 hrs and 30 mins of vigorous aerobic activity every week.

This means you should aim to do 30 mins of aerobic exercise on 5 days per week.

## Resistance Exercise



Resistance exercise is any form of exercise that strengthens the muscles by working against a force. Examples include free weights, machine weights, resistance bands, body weight exercises. Resistance exercise is particularly important for maintaining metabolic health.

### How much Resistance Exercise should I do?

You should aim to do

- Muscle strengthening activities, targeting all major muscle groups on 2 or more days of the week.

This means you should aim to do exercises that target your leg muscles, arm muscles, abdominal and back muscles on at least 2 days each week.



**However, if you currently do not meet this level of physical activity, any increase in physical activity, even small amounts, improves health — start gradually and build up over time.**

# Specific Considerations For Postmenopausal Women

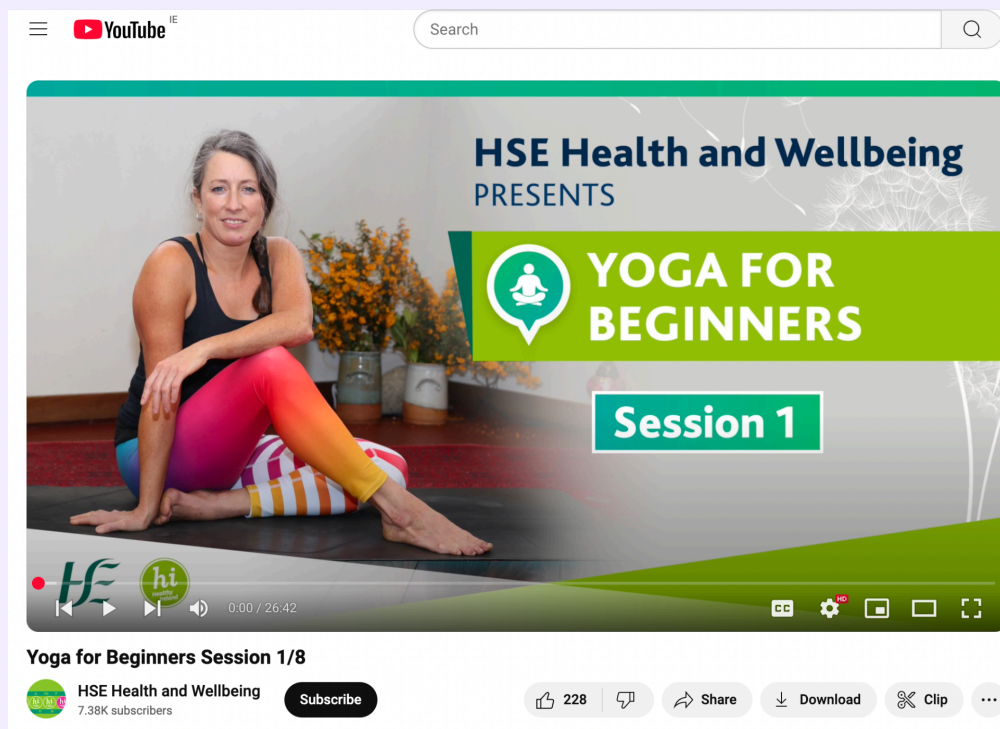
## Yoga and Menopausal Symptoms

**Yoga** may be a beneficial form of exercise for postmenopausal women, helping to manage symptoms caused by hormonal changes. Some research evidence suggests that yoga may reduce or eliminate vasomotor symptoms like hot flashes and night sweats. Research also shows yoga may improve sleep quality, anxiety, depression, BMI, and blood pressure.



Find a local yoga class or explore free pre-recorded classes online to practice at home

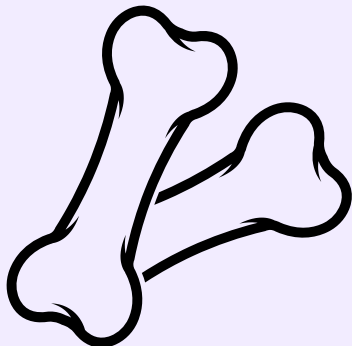
If you're new to yoga, the HSE offers a fantastic series of free beginner-friendly classes on YouTube. You can access these videos from this link: [Yoga For Beginners](#)



# Specific Considerations For Postmenopausal Women

---

## Exercise and Bone Health



Maintaining bone health is crucial for women post-menopause, as bone density naturally declines as we age and also due to hormonal changes, increasing the risk of osteoporosis and fractures. Preventing fractures is essential for long-term mobility and overall well-being, making proactive bone care a key aspect of postmenopausal health.

### Not all exercise promotes bone health

While swimming, aqua aerobics, and cycling are great for cardiovascular fitness, they are low-impact and less effective for promoting bone health. If you enjoy these activities, it's important to also include higher-impact exercises in your routine to support bone strength.

### I would like to add more weight bearing exercise into my routine, what can I do?

Jogging, dancing, step aerobics, jumping and any form of resistance training are all excellent ways to promote bone health. You should consider incorporating these into your weekly routine provided you not been diagnosed as having osteoporosis or had any unexplained fractures.

### I have been diagnosed with low bone mineral density, what can I do?

If you have been diagnosed with low bone mineral density, such as osteopenia or osteoporosis, it's important to choose impact exercises carefully to prevent fractures. Engaging in lower-intensity impact activities remains beneficial, with walking being an excellent option to support bone health. Exercises that pose a higher risk of tripping or falling, such as certain dance or group fitness classes involving frequent direction changes, should be approached with caution. If incorporating resistance training, machine weights offer a safe and effective way to build strength.

Always consult your primary healthcare provider before starting any new form of exercise to ensure it is safe and appropriate for you.

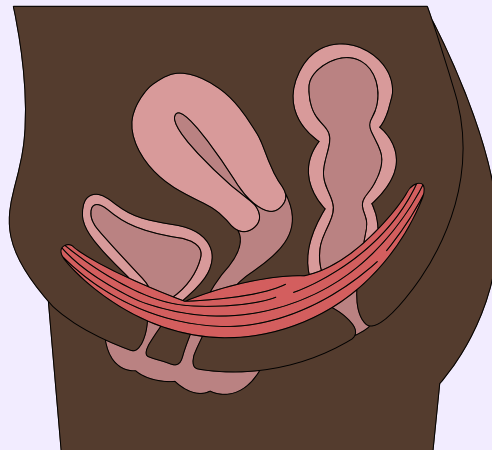


# Specific Considerations For Postmenopausal Women

---

## Pelvic Floor Exercises

The pelvic floor muscles support the bladder, uterus, and bowel but may weaken during menopause, causing leakage or prolapse. Strengthen these muscles with Kegels, pelvic tilts, walking, and Pilates. Maintain a healthy weight and posture to reduce pressure. If you experience issues, consult a women's health physiotherapist. Like any other muscle in the body, pelvic floor muscles should be maintained to stay strong and active.



## How to work the Pelvic Floor Muscles

While sitting or lying comfortably, imagine stopping both wind and urine flow at once. Draw your pelvic floor muscles upward and forward from the back passage toward the bladder. You should feel a lifting and tightening sensation as the muscles contract.

## Pelvic Floor Exercise Guidelines

### Exercise Types:

- Long Squeezes: Tighten, hold, then fully relax. Repeat until muscles tire.
- Short Squeezes: Quickly tighten and release. Repeat until fatigued.

### Routine:

- Aim for 10 long squeezes (10 seconds each) and 10 short squeezes per session.
- Start with small sets if needed and gradually increase.
- Practice at least 3 times daily, beginning in a seated or lying position.

### Progression:

- Expect improvement in 3–5 months; continue daily for maintenance.
- Gradually begin performing the exercises while standing, walking, or bending to build strength and control during everyday activities.



## ADDITIONAL TIPS FOR STAYING ACTIVE

### **1 Reduce sedentary time**

*Limit the amount of time spent sitting and replace sedentary time with light intensity physical activity when you can.*

### **2 Some activity is better than none**

*Even small amounts of additional movement in your day are good for you. Simple activities like taking the stairs, stretching, or walking short distances can make a difference in your overall health and well-being.*

### **3 Start slow**

*If you're new to exercise, start slow and build up gradually. Starting with just 5 minutes of movement and adding a little bit more each week is a great way to build up your activity.*

### **4 Do things you enjoy**

*Choose activities you enjoy. Staying active in ways that feel fun and you are looking forward to makes it easier to maintain a consistent routine.*

### **5 Exercise with friends**

*Being active with other people can not only make it easier but also provide you with an opportunity to socialise. Find a friend to meet for a walk, or join a group exercise class.*

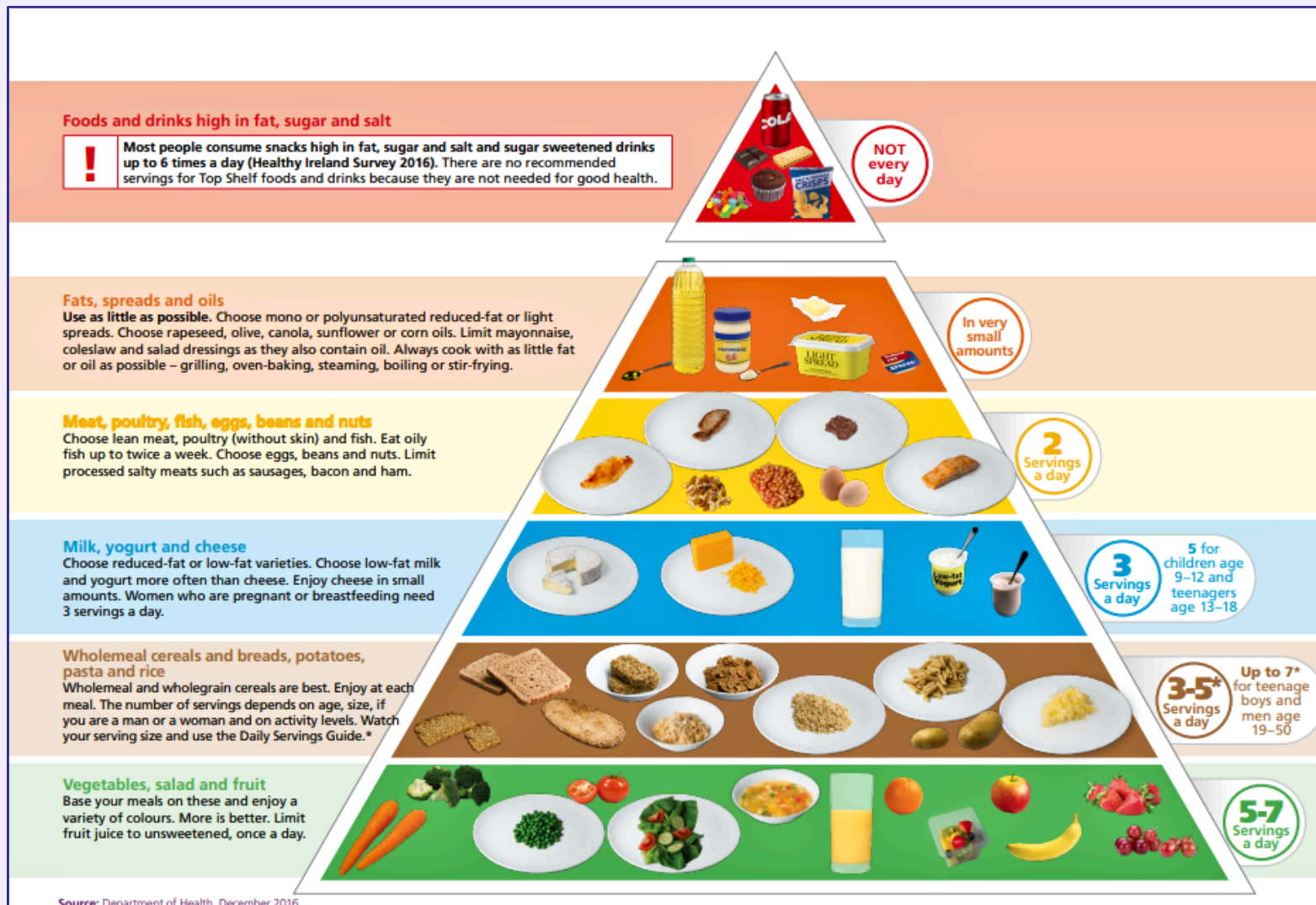
4

## Nutrition



# Nutrition

Eating a varied diet with plenty of fruit and vegetables, wholegrains, protein rich food including oily fish may improve menopausal symptoms. Remember the food pyramid as a guide for portion sizes.



By following these guidelines you are more likely to be able to maintain a healthy body weight, decrease some menopausal symptoms and also protect your future health.

Don't forget to drink plenty of fluids. You should be aiming for 1.5 -2 litres a day but you might need more if you are active or if the weather is hot.

Fluids are essential for many body functions and even mild dehydration can impact how we think and feel and this is often before we have any signs of thirst. It is particularly important to stay hydrated during menopause as many of the effects of dehydration can be similar to menopausal symptoms.

# Nutrition Tips for Postmenopause

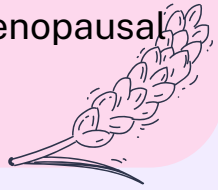
## Managing symptoms



Foods such as spicy foods, caffeine, alcohol & some cheeses can increase the amount and intensity of hot flushes. Try to keep a note of foods you were eating in the day or hours before a hot flush to try and identify any triggers.



A Mediterranean style diet has been shown to reduce hot flushes and night sweats as well as having a positive effect on mental health and well being in many menopausal women.



Research has shown that women who eat more added sugar in their diet may be at an increased risk of depression around menopause. Try to include plenty of wholegrain foods in your diet and opt for fruit as a sweet treat.

Try to include a protein food with most of your meals and snacks. By spreading it throughout the day, it helps maintain muscle and also helps keep you feeling full for longer.



Weight gain can be common with menopause and is linked to more symptoms including hot flushes and nightsweats.

Soya contains phytoestrogens, which mimic estrogen in the body. Two servings a day of soy based foods have been shown to reduce menopausal symptoms including hot flushes for some women.



# Eating Well For Future Health

## Cardiovascular disease

(CVD) is the leading cause of death in post-menopausal women.



## Prevention is better than cure

A mediterranean style diet, high in fruit, veg, beans, lentils and lean meats has been shown to lower the risk of CVD, some cancers, and is also associated with lower menopausal symptoms.

**Osteoporosis** is a silent disease, which we may not realize we have until we develop an osteoporitic-related bone fracture.



## Include calcium rich foods

Include 3 servings of calcium rich foods in your diet every day such as a glass of milk, a yogurt or some cheese -around a small matchbox size.

## Considering supplements?

Vitamin D is key for bone health as well as immune function. Include foods high in vitamin D - oily fish, eggs and fortified cereals. Most adults should consider Vitamin D supplements (15ug/day) particularly in winter months when we cannot make vitamin D from the sun. Over 65's should take a daily supplement (15ug/day) all year.



## Sleep

Magnesium may be helpful for aches, pain and a restful sleep which can be impacted during menopause

Foods rich in magnesium include fish, meat, wholegrains and pulses.

## Brain Health

Don't forget to include at least one portion of oily fish, linseed and raw nuts as a source of Omega 3 - a key polyunsaturated fatty acid, shown to aid in memory and cognition.



**5**

## **Behaviour Change**



# Behaviour Change

All of these exercise and dietary recommendations can sound overwhelming. But to help you get started, the following exercise can encourage you to identify not so helpful habits, and address barriers that keep us from making lifestyle changes.

## Reflect on current habits

	Often	Sometime	Rarely
Do you eat at least 5 portions of fruit and veg per day?			
Do you eat 3 servings of dairy per day?			
Do you eat high fibre foods such as wholegrain breads, oats, nuts and seeds every day?			
Do you do at least 150 minutes of aerobic exercise per week? Such as jogging, hiking, and cycling			
Do you do resistance training at least twice per week?			
Do you eat processed foods such as chocolate, sweets, and takeaways?			

# Understand Your Barriers

Common barriers women encounter when trying to lead a healthy lifestyle include...



Perceived reduced capability (“I’m too old to take up running”)

Menopause related symptoms (Maybe we feel too tired to exercise or maybe we notice “leaking” when we jump or run)



Busyness of life and competing demands. (“I don’t have time to cook from scratch every evening”)

Lack of relatable opportunities (“The gym is so daunting! Everyone there is so young”)



If we address our own barriers, we can think of solutions to overcome them and progress on our health and wellness goals.

*I am too tired to exercise after work...*



*I will warm-up and see how I feel then...*

Barrier:



Solution:

Barrier:



Solution:

Barrier:



Solution:

# 6

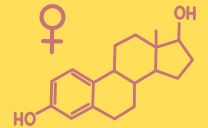
## Pharmaceutical Support



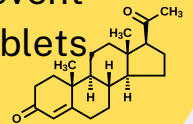
# Hormone Replacement Therapy

Hormone replacement therapy (HRT) refers to replacing the hormones that naturally fall during menopause, in order to potentially alleviate symptoms and maintain health. The key hormones are:

**Estrogen:** Delivered through patch, gel or tablet. If you have had a hysterectomy, you can use estrogen-only treatment.



**Progesterone:** If you have a womb, you will need to combine estrogen with progesterone (combined HRT) to regulate the lining of the womb to prevent womb cancer. This comes in the form of an intrauterine device (IUD), tablets, patches, or vaginal pessaries.



Testosterone is not routinely prescribed for the management of menopausal symptoms but may be prescribed by a doctor in specific situations. It is usually delivered through a cutaneous gel.

## Are there risks associated with HRT?

For most women, HRT is safe but it depends on the individual:

- For women under 50, HRT has minimal risks as it replaces naturally recurring hormones at that age
- For women under the age of 60, the benefits generally outweigh the risks
- For women aged under 70, the benefits are equal to the risks
- For women aged over 70, risks tend to outweigh benefits . But this will depend on the woman and it is important to chat to your doctor about options



Women coming off HRT should **gradually decrease** their dosage in consultation with their doctor

# Hormone Replacement Therapy: Benefits vs Risks

Benefits of HRT	Risks of HRT
Reduced menopausal symptoms and better quality of life	Small increased risk of breast cancer with combined HRT. The risk increases the longer you take it and the older you are (5 extra cases of breast cancer in every 1,000 women who take combined HRT for 5 years). Vaginal estrogen does not pose this risk
Protect against osteoporosis. Particularly important if you are menopausal before age 45	Small increased risk of blood clots with HRT tablets. No risk with patches, sprays, gels
There is some evidence that HRT itself can improve your mood and your sleep	Very low risk of stroke with HRT tablets, particularly if aged under 60. No risk with patches, sprays, gels
HRT improves sexual function and libido in many women	Risk of endometrial (womb) cancer with estrogen-only treatment





## Alternative Therapies

Plant extracts and herbal remedies have been gaining attention to manage menopausal symptoms. Some individuals may find them helpful. However, research is still lacking in this area. Some of most popular are:

- Phytoestrogens - these mimic estrogen in the body to alleviate the effects of decreased naturally occurring estrogen.
- Agnus Cactus - Contains linoleic acid which acts on estrogen receptors.
- St John's wort - shown to improve overall mood, sleep and menopausal symptoms. It can however interfere with some medications.
- Evening primrose oil - may reduce severity of hot flashes for some women.

Acupuncture and massage have been shown to relieve menopausal symptoms such as night sweats, sleep disturbances and anxiety for some women.



Women who are susceptible to depression and anxiety may find medications such as anti-depressants beneficial as menopause may heighten such symptoms.

**Cognitive behavioural therapy (CBT)** may improve hot flashes as well as psychological symptoms of anxiety and stress, which can also increase due to life changes. CBT focuses on the links between physical symptoms, thoughts, feelings and behaviour. The way we think about symptoms in certain situations can affect how we feel and what we do, and these reactions can in turn exacerbate the intensity of symptoms. CBT focuses on changing how we think and act to change unhelpful behaviour patterns.

# 7

## Sleep

### Sleep Issues

Around 12% of women experience sleep issues, which become more common in midlife, affecting 39-47% of perimenopausal and 35-60% of postmenopausal women.

### Achieving Restful Sleep

#### HRT

HRT improves sleep quality. Many women experience symptoms such as night sweats, flushes, needing to go to the toilet throughout the night as well as anxiety. HRT can ease a lot of these symptoms and help you sleep better through the night.

#### Practice Relaxation Techniques

Techniques such as deep breathing, progressive muscle relaxation, journaling and guided imagery can help you relax.



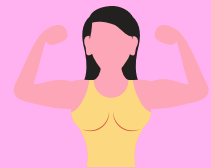
#### Limit Caffeine, Nicotine and Alcohol Intake

Caffeine is a stimulant and can have a negative effect on sleep (avoid after midday). Alcohol has also been linked with poor sleep quality.



#### Exercise Daily

Regular physical activity can help you fall asleep faster and enjoy better sleep quality. However, avoid exercising too close to bedtime.



#### Avoid Large Meals Before Bed Time

Large meals can cause indigestion and make it harder to sleep. Try to avoid eating at unusual times, and limit fluid intake before bed, as both can disrupt your body clock.



#### Environment

Keeping your bedroom cool and well ventilated can improve sleep. It's also important to keep your environment quiet and dark and avoid blue screens for at least an hour before bed.



# 8

## Additional Resources

No one should have to face the challenges of menopause or postmenopause on their own. If you would like to learn more about support that is available, please take a look below

### Medical support

- The Irish College of GPs can provide resources and contacts for Menopause specialists if required:
- <https://icgpnews.ie/menopause-patient-information/>
- Don't forget to book in with your GP for yearly health check ups to monitor cholesterol, blood sugar, weight, and blood pressure
- Breast check: We should all be getting our breasts checked from age 50. Check that you are on the HSE breast check register and you will be invited for testing: <https://www2.hse.ie/conditions/breast-screening/checking-the-breast-screening-register/>
- Cervical screening: CervicalCheck is Ireland's national screening service and you are invited for screening every 3 years until the age of 65.

### Get talking

- The HSE NCS Counselling in Primary Care Service (CIPC) provides 8 counselling sessions with a professionally qualified and accredited Counsellor/Therapist. CIPC operates from over 240 locations situated throughout Ireland, typically located in Primary Care Centres. Ask your GP for a referral.
- Cognitive behavior therapy (CBT): How we feel and think, affects how we act. In order to stop unhelpful behavior patterns changing both thinking (cognition) and what you do (behavior) is necessary. Check out the HSE for further information: <https://www2.hse.ie/mental-health/services-support/supports-services/>

### Get active

- Local county sports partnerships provides exercise class and group activities for women including yoga, pilates and zumba.

## References and further reading

- Anagnostis, P. et al. (2023) EMAS position statement: Vitamin D and menopausal health. *Maturitas* 169, pp. 2–9. Available at: [https://www.maturitas.org/article/S0378-5122\(22\)00260-2/fulltext](https://www.maturitas.org/article/S0378-5122(22)00260-2/fulltext)
- Australian Menopause Society. Menopause and Sleep. Available at: <https://menopause.org.au/hp/information-sheets/menopause-and-sleep>
- Cano, A. et al. (2020) The Mediterranean diet and menopausal health: An EMAS position statement. *Maturitas*, 139, pp. 90–97. Available at: [https://www.maturitas.org/article/S0378-5122\(20\)30325-X/fulltext](https://www.maturitas.org/article/S0378-5122(20)30325-X/fulltext)
- Department of Health (2022) Menopause (last updated 2025). Available at: <https://www.gov.ie/en/department-of-health/campaigns/menopause/>
- Department of Health (2024) Every Move Counts – National Physical Activity and Sedentary Behaviour Guidelines for Ireland <https://assets.gov.ie/static/documents/every-move-counts-national-physical-activity-and-sedentary-behaviour-guidelines-for-ir.pdf>
- Erdélyi, A. et al. (2023) The Importance of Nutrition in Menopause and Perimenopause – A Review. *Nutrients*, 16(1), p. 27. Available at: <https://doi.org/10.3390/nu16010027>
- Greene JG. (1998) Constructing a standard climacteric standard. *Maturitas* 29, 25-31.
- Health Direct. Female Reproductive System. Available at: <https://www.healthdirect.gov.au/female-reproductive-system>
- Heavey, P., Keegan, B. and Dunne, N. (2025) Prevalence and severity of menopausal symptoms in peri and post-menopausal women. *Irish Medical Journal* 118(1).
- Health Service Executive. Healthy Eating. Available at: <https://www2.hse.ie/living-well/healthy-eating/how-to-eat-well/>
- Hongjuan W, Yaqian L, et al (2025) The effectiveness of yoga on menopausal symptoms: A systematic review and meta-analysis of randomized controlled trials. *International Journal of Nursing Studies*, Volume 161, <https://doi.org/10.1016/j.ijnurstu.2024.104928>
- Hulteen, R. M., Marlatt, K. L., Allerton, T. D., & Lovre, D. (2023) Detrimental Changes in Health during Menopause: The Role of Physical Activity. *International journal of sports medicine* 44(6), 389–396. <https://doi.org/10.1055/a-2003-9406>
- McNulty, K.L., Lane, A., Kealy, R. et al. (2024) Experience of the menopause transition in Irish women and how it impacts motivators, facilitators, and barriers to physical activity engagement. *BMC Women's Health* 24, 666. <https://doi.org/10.1186/s12905-024-03524-y>
- McNulty, K.L., Lane, A., Muldoon, A. et al. (2024) Feasibility, acceptability and effectiveness of a lifestyle program for perimenopause: a pilot study. *Health Education* <https://doi.org/10.1108/HE-03-2025-0031>
- McNulty, K. L., Murphy, M., Flynn, E., et al. (2025). The Effectiveness of Lifestyle Interventions, Including Exercise, Diet, and Health Education on Symptoms Experienced During Perimenopause: A Systematic Review of Randomized Controlled Trials. *Journal of Aging and Physical Activity* (published online ahead of print 2025). Retrieved Sep 29, 2025, from <https://doi.org/10.1123/japa.2024-0226>
- National Health Service. Hormone Replacement Therapy. Available at: <https://www.nhs.uk/medicines/hormone-replacement-therapy-hrt/>
- NICE Guidelines (2024) Menopause: diagnosis and management; (November 2015 - last updated November 2024) <https://www.nice.org.uk/guidance/ng23>
- Study of Women's Health Across the Nation (SWAN). Factsheets available at: <https://www.swanstudy.org/>
- Women's Health Concern (2022) Cognitive Behaviour Therapy (CBT) for Menopausal Symptoms. Available at: <https://www.womens-health-concern.org/wp-content/uploads/2023/02/02-WHC-FACTSHEET-CBT-WOMEN-FEB-2023-A.pdf>
- Women's Health Concern (2023) Exercise and menopause. Available at: <https://www.womens-health-concern.org/wp-content/uploads/2023/06/29-WHC-FACTSHEET-Exercise-in-menopause-JUNE2023-A.pdf>
- Women's Health Concern (2023) Nutrition in menopause. Available at: <https://www.womens-health-concern.org/wp-content/uploads/2023/07/28-WHC-FACTSHEET-Nutrition-in-Menopause-JULY2023-A.pdf>
- Women' Health Concern (2024) Complementary & alternative therapies; Non hormonal treatments for menopause symptoms. Available at: <https://www.womens-health-concern.org/wp-content/uploads/2024/11/03-WHC-FACTSHEET-Complementary-And-Alternative-Therapies-NOV2024-B.pdf>

The content in this booklet has been curated by Edel Flynn, Rita de Cassia Trentz de Carvalho, Dr Fiona Skelly and Dr Trish Heavey.

We would like to thank Sport Ireland, UPMC and TUS for supporting our previous and ongoing research in menopause and lifestyle behaviours.

