Understanding Parkinson’s

1 Introduction to Parkinson’s
Parkinson's_1.0  Understanding Parkinson’s for health and social care staff

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1.1 Introduction

Health and social care professionals from various professions will be taking this course. We will therefore use the word ‘client’ to refer to a person with Parkinson’s that you work with. You may usually use ‘patient’, ‘resident’ or another term.

How to study the course

In this course, you will work online at a pace that suits you. You can study it on your own and in your own time. However, if you are in a workplace, you can also use the course as an opportunity to connect with your peers and as a framework to support group work with colleagues. You can find ideas and examples of how to use the course in this way on the Understanding Parkinson’s Community.

Our approach

We take a person-centred approach to care. Person-centred care means focusing on someone’s needs as an individual and recognising that their life is not defined by Parkinson’s.

People with Parkinson’s and their carers (if they have one) are experts in their own condition and should be consulted on what they think their needs are. Anyone involved in the care of a person with Parkinson’s should help them to focus on what they can do, not what they can’t do.

In this section we look at the following questions:

- Why are we here?
- What is parkinsonism?
- What is Parkinson’s?
- What causes Parkinson’s?
- How many people have Parkinson’s?
- How old are people when they get Parkinson’s?
- How is Parkinson’s diagnosed?
- How does Parkinson’s progress?

As you work through the course, think about not only your role but also that of other professionals.
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You can download this resource and view it offline. It may be useful as part of a group activity.

**Learning outcomes**

The purpose of this section is to give you an understanding of the common symptoms of Parkinson’s and how the condition progresses.

By the end of this section you should be able to identify and describe the following:

- the range of common conditions in which symptoms of **parkinsonism** may be experienced
- what Parkinson’s is and what causes the condition to develop
- the key **motor symptoms** and **non-motor symptoms** of Parkinson’s
- the average age of onset of Parkinson’s
- the typical phases and timeframe of the progression of Parkinson’s.
1.2 Why are we here?

Before we start, let’s think about reasons for studying this course about Parkinson’s. You might have decided to take this course because you are working to support a number of people with Parkinson’s. Maybe you also have a personal interest in this condition, or you feel you could do a much better job if you understood the condition. Maybe your manager told you to take this course. Or perhaps you have management responsibilities or want to use the materials to use yourself. As much as possible we have designed the course to support those different contexts.

Remember there are no wrong answers here.

We have created a reflection log for you to record your thoughts when answering questions throughout the course. Use your reflection log to answer the following questions:

1. Why did I decide to take part in this course?
2. What experience of working with people with Parkinson’s do I have?
3. How do I feel about this experience? (For example, have you found the work satisfying or straightforward? Or perhaps you found it quite challenging?)
1.3 What is parkinsonism?

‘Parkinsonism’ is an umbrella term used to cover a range of conditions. These conditions share the symptoms of slowness of movement, stiffness and tremor.

Most people with a form of parkinsonism have idiopathic Parkinson’s, also known as Parkinson’s, which this course focuses on. However, other types of parkinsonism are described below.

**Multiple system atrophy**

Both multiple system atrophy (MSA) and Parkinson’s can cause stiffness and slowness of movement in the early stages. But the additional problems that develop in MSA, such as difficulty with swallowing, incontinence and dizziness, are unusual in early Parkinson’s.

**Progressive supranuclear palsy**

Progressive supranuclear palsy (PSP) is a very rare condition characterised by a problem with a person’s eye gaze, sometimes referred to as ‘doll’s eyes’. A person with PSP has to move their head to follow a finger rather than just moving their eyes, will have difficulties looking down, may also experience frequent falls backwards and have issues with mobility, speech and swallowing. Problems with speech are unusual in early Parkinson’s. PSP is sometimes called Steele Richardson’s disease.

**Corticobasal degeneration**

This condition is similar to PSP and very rare. People with corticobasal degeneration may experience sudden difficulty in controlling one of their limbs – usually their hand or arm, but sometimes their leg can be affected. They may experience muscle stiffness, rigidity and spasms in the limb.

The three conditions mentioned above progress more quickly than Parkinson’s, are harder to treat and may not respond to medication as effectively.

**Vascular Parkinson’s**
People who have had a stroke, often one so mild that they didn’t notice it, may experience this form of parkinsonism. The most common symptom can be difficulty with walking – the condition is sometimes called lower body Parkinson’s. Other symptoms include rigid facial muscles (hypomimia), difficulty with swallowing or speaking, and bladder and bowel problems. People with this condition may not respond as well to Parkinson’s medication as those with idiopathic Parkinson’s.

**Drug-induced Parkinson’s**

Drugs that block the action of dopamine in the brain can result in people developing Parkinson’s symptoms. These drugs include ‘antipsychotics’or ‘neuroleptics’, which are sometimes used to treat dementia, symptoms associated with learning difficulties or severe mental health problems, such as schizophrenia.

This condition tends to remain static and does not progress. The only way to relieve the symptoms is for the person to stop taking the drug that is causing the Parkinson’s symptoms. If this is possible, some people will recover within a few months.

Unfortunately, this is not always possible, as some people may have few other drug options available to manage their condition. Parkinson’s medications are contraindicated when taking these drugs, so the person has to live with the symptoms.

Have you come across this before or do you now recognise something you did not understand in a person you have been caring for?

**Essential tremor**

This is the most common type of tremor. It is a trembling of the hands, head, legs, body and/or voice. It is most noticeable when a person is moving.

An essential tremor can be difficult to tell apart from a Parkinson’s tremor. One difference is that essential tremors don’t tend to affect a person when their body is resting – unlike the resting tremor in Parkinson’s.

For people diagnosed with a benign tremor condition, multiple system atrophy or progressive supranuclear palsy, the following organisations can offer more specific support, including advice for professionals.

- The National Tremor Foundation
  
  01708 386399
  
  tremorfoundation@aol.com
  

- The Multiple System Atrophy Trust
  
  0333 323 4591
support@msatrust.org.uk

http://www.msatrust.org.uk/

- The PSP Association

0300 0110 122

helpline@pspassociation.org.uk

http://www.pspassociation.org.uk/
1.4 What is Parkinson’s?

We have looked at the different conditions that come under the umbrella term ‘parkinsonism’. The rest of this course focuses on the condition that affects most people – Parkinson’s.

Imagine what your life would be like if your brain wanted to send your body a message but it couldn’t get through, or if you wanted to speak but you couldn’t get the words out, or if you wanted to walk but your legs were fixed to the spot.

It’s neurological

Parkinson’s is neurological. People get it because some of the nerve cells in their brains that produce a chemical called dopamine have died. This lack of dopamine means that people can have great difficulty controlling their movement.

The three main motor symptoms of Parkinson’s are rest tremor, rigidity (stiffness) and slowness of movement. These are called motor symptoms.

But the condition doesn’t only affect mobility. People living with the condition can also experience tiredness, pain, memory problems, depression and constipation. These are called non-motor symptoms and can have a huge impact on the day-to-day lives of people with the condition.

It’s progressive

Parkinson’s gets worse over time and it can be difficult to predict how quickly the condition will progress. For most people, it can take years for the condition to get to a point where it can cause major problems. For others, Parkinson’s may progress more quickly. The average rate of progression from the diagnosis phase to the end of the palliative phase is roughly 14 years.

Treatment and medication can help to manage the symptoms, but may become less effective in the later stages of the condition. There is currently no cure.

Generally, Parkinson’s is considered to have four phases: diagnosis, maintenance, complex and palliative. We will look at the different phases of Parkinson’s towards the end of this section.

It can fluctuate

Not everyone with Parkinson’s experiences the same combination of symptoms – they can vary from person to person and progress at a different speed. This means that no two people will follow exactly the same treatment routine.

Also, how Parkinson’s affects someone can change from day to day, and even from hour to hour – symptoms that may be noticeable one day may not be a problem the
next. This can cause frustration for both the person with Parkinson’s and their carer or family.

Because of the fluctuating nature of Parkinson’s, it is vital that care needs are not assessed in just one visit. We will look at the fluctuating nature of Parkinson’s in more detail in Section 2.

Think about what you have learnt so far. How might you feel if you had to live with Parkinson’s?

Use your reflection log to write down in 150–200 words how you might feel if you were unable to control your movement. There are no right or wrong answers – just be honest.
1.5 What causes Parkinson’s?

Currently scientists don’t know exactly why people get Parkinson’s, but research suggests that it’s a combination of genetic and environmental factors that cause dopamine-producing nerve cells to die.

Around 95% of cases of Parkinson’s are considered to be idiopathic. ‘Idiopathic’ means that there is no known cause.

It is rare to find more than one person in a family with Parkinson’s. Researchers believe that the condition can sometimes be inherited, but this only happens in approximately 5% of cases.

In fact, even if a person has a genetic susceptibility to Parkinson’s, it is not guaranteed that they will eventually develop the condition. Scientists believe that the condition is only triggered following exposure to other factors.

There is some evidence that environmental factors (such as toxins) may trigger dopamine-producing nerve cells to die, leading to the development of Parkinson’s. Several toxins have been shown to cause symptoms similar to Parkinson’s. Research has also suggested a link between the use of herbicides and pesticides and the development of Parkinson’s.

The detail

Dopamine is a neurotransmitter or chemical messenger. It transmits messages between our brain and our muscles to help us perform movements like standing up or sitting down and sequences of movements like getting out of bed and going downstairs. These actions are all made up of lots of movement sequences – we just don’t tend to think of them like that.

Dopamine is produced and stored in a small part of the brain called the substantia nigra. This is located within the basal ganglia, deep in the lower region of the brain, on either side of the brain stem.

Figure 1.1 shows the substantia nigra – the small part of the brain where dopamine is produced and stored.
Motor skills require learned sequences of movements that combine to produce a smooth, efficient action for a particular task. It is the role of the basal ganglia to coordinate and control these learnt, voluntary and semi-automatic motor skills and movement sequences by signalling with dopamine between the brain and muscles.

That’s why a lack of dopamine means that people can have a great deal of difficulty controlling their movements.

Dopamine also contributes to thinking and memory (cognitive processes), such as maintaining and switching focus of attention, motivation, mood, problem solving, decision making and visuospatial perception (our ability to process and interpret visual information about where objects are). This is why Parkinson’s can cause symptoms such as depression or anxiety, and why it can be difficult for people with Parkinson’s to move through a crowded room without bumping into other people or objects.

People show symptoms of Parkinson’s when about 60–80% of the dopamine-producing nerve cells are lost.

The animation below shows the difference between what the middle section of the brain of someone without Parkinson’s looks like with dopamine still present and what the same section of brain would like in someone with the condition.

Video content is not available in this format.

(The animation is also available as a PDF file.)
You can download this resource and view it offline. It may be useful as part of a group activity.
1.6 How many people have Parkinson’s?

Parkinson’s is becoming increasingly common. There are currently around 127,000 people in the UK with the condition.

This figure is estimated to increase by 27% to 162,000 by 2020. This is mainly due to an increasing population that is living longer.
1.7 How old are people when they get Parkinson’s?

The risk of developing Parkinson’s increases with age. The average age for symptoms to appear is around 60 years old. However, in some cases, Parkinson’s is diagnosed before the age of 40 – this is known as early-onset Parkinson’s.

If Parkinson’s is diagnosed before the age of 18 it is known as juvenile Parkinson’s, although this is rare.

These statistics emphasise the importance of considering what phase a person with Parkinson’s is at, rather than their age when you’re assessing their care needs. For example, you may find that you’re caring for a very elderly person and a much younger person who are at the same phase in their condition.
1.8 How is Parkinson’s diagnosed?

Confirming that someone has Parkinson’s can take time – sometimes years. This is because, as we saw earlier in this course, there are other conditions, such as multiple system atrophy (MSA), with similar symptoms. There is also no definitive test for diagnosing Parkinson’s.

In England, Wales and Northern Ireland, there is an agreement with the National Institute of Clinical Excellence (NICE) to apply the NICE Guideline CG35. In Scotland, the Scottish Intercollegiate Guidelines Network (SIGN) apply.

Both the NICE and SIGN guidelines recommend that if a GP suspects that a patient has Parkinson’s, they should be referred to a specialist in movement disorders before any treatment is considered. This can be a neurologist or elderly care physician.

To confirm a diagnosis, the consultant will carry out a detailed neurological history and clinical examination. They will be looking for specific motor symptoms, such as the following:

- **Rest tremor**: About 70% of people with Parkinson’s will have a resting tremor. This is a tremor that occurs when the muscle is relaxed. Tremor will usually begin on one side of the body and then progresses to both sides as the condition itself progresses.

- **Slowness of movement (bradykinesia)**: People with Parkinson’s may find that starting a movement and performing everyday tasks can be difficult. The size of movement is often reduced and the coordination or sequencing of movements also becomes more difficult.

- **Muscular rigidity**: Rigid muscles can make it difficult to do everyday things and can be very painful. Some people have problems turning around, getting out of a chair or making fine finger movements such as fastening buttons or touch-typing. Some people may not be able to swing their arms very well. Others find that their posture becomes stooped or their face becomes stiff, so it’s harder to make facial expressions.

We will look at these key motor symptoms in more detail in Section 2.

To make a diagnosis, a specialist will usually follow the criteria developed by the Parkinson’s UK Brain Bank. A diagnosis of Parkinson’s is given when any two of the three classic symptoms of Parkinson’s are present (tremor, slowness of movement and
rigidity). Ideally people should be seen by the specialist or Parkinson’s nurse every 6–12 months after they have been diagnosed. This makes sure a person’s condition can be monitored and their medication regimen can be reviewed.

Because the symptoms of idiopathic Parkinson’s may be similar to other forms of parkinsonism, people can sometimes be misdiagnosed. This is another reason why it is important that a person’s condition is reviewed regularly by a specialist.

Find out more about how Parkinson’s is diagnosed via the Parkinson’s UK information sheet.

Further information and links to the NICE and SIGN guidelines can be found on the Parkinson’s UK website.

For more about Neurological Health Services Clinical Standards by visiting the Healthcare Improvement Scotland website.

Use your reflection log to write down in about 150–200 word how what you are learning relates to people you are caring for or have cared for.
1.9 How does Parkinson’s progress?

Parkinson’s is often described as having four phases: diagnosis, maintenance, complex and palliative. The average rate of progression from diagnosis to the end of the palliative phase is approximately 14 years, but this can depend on the age a person is when they are diagnosed.

The progression of Parkinson’s is not always a straightforward process. Sometimes, if a person’s medication is reviewed and they begin to receive more appropriate treatment, it is possible for their condition to revert from the complex to the maintenance stage.

Look at the animation below, which lists the phases of Parkinson’s. This shows the average number of people in a particular phase at any one time, the average length of each phase and examples of the care required at each phase. Remember that these numbers are averages and so not everyone will spend the same length of time in any one of the phases.

The animation suggests a linear path through a series of phases. In real life, people are unlikely to progress through each stage one after the other – particularly around the maintenance and complex phases, where the effectiveness of medication can alter people’s experiences.

Video content is not available in this format.

(The animation is also available as a PDF file or online.)

You can download this resource and view it offline. It may be useful as part of a group activity.

Diagnosis

This phase refers to the point when the person receives their diagnosis. The information and support a person receives at this time is very important. A person diagnosed with Parkinson’s should be provided with all the information they need to help them to adjust to life with the condition.

Being diagnosed with Parkinson’s can be an emotional experience and everyone will react to the news in their own way. Not everyone will want a lot of information or detail about Parkinson’s straight away. But it is very important that they know where to access more information and support when they are ready for it.

Think about your own experiences either personal or professional. How might you feel at this point?

The appropriate process for diagnosis is discussed in Section 1.8. SIGN and NICE guidelines recommend that if a GP suspects that a person has Parkinson’s, they should be referred untreated to a specialist in movement disorders before any treatment is considered. This can be a neurologist or elderly care physician.
Not everyone will immediately be prescribed medication at the point of diagnosis. If symptoms are mild, some people, together with their specialist, may decide to postpone drug treatment until their symptoms increase.

Further information and links to the NICE and SIGN guidelines can be found on the Parkinson’s UK website.

**Maintenance**

By this phase a person’s symptoms will have increased significantly. Most people will be on a medication regime to control their symptoms. A person’s condition and medication regime should be reviewed every six months to make sure that they have the best quality of life possible.

**Complex (advanced)**

In this course, we will focus on the complex phase of Parkinson’s as this is the point when you are most likely to come into contact with a person with Parkinson’s in your workplace. Although there is no specific definition of what complex Parkinson’s is, it usually refers to when Parkinson’s symptoms begin to significantly affect a person’s everyday life. It is not to do with a person’s age or how long they have had the condition.

It may also be a time when Parkinson’s drugs are less effective at managing a person’s symptoms, or side effects are outweighing benefits. A person may also have a more complex drugs regimen. Their medication regime may be altered frequently to meet the changing nature of the condition.

At this stage, people will be likely to have less independence and need help with activities of daily living because the condition is less controlled as treatment becomes less effective. It is likely that many will have to give up a number of hobbies or leisure activities that they have previously enjoyed.

Although the condition progresses differently and at a different speed for each person, the advanced stage can potentially cover a long period of time.

Someone with advanced Parkinson’s may experience the following:

- drug treatments that are no longer effective
- a complicated drugs regimen
- more ‘off” periods and dyskinesia
- increased mobility problems and falls
- problems with swallowing
- mental health symptoms such as depression, anxiety, **hallucinations** and **delusions**, and dementia
- reduced independence
- less control of Parkinson’s symptoms, which become less predictable.
Some people experience pain as a main symptom of Parkinson’s and this becomes more likely in the advanced stages of the condition. So at this stage, management of pain is crucial.

Because of the range of symptoms and the increase in their care needs, it is important that people with Parkinson’s have access to a multidisciplinary team of healthcare professionals. This will include their specialist, Parkinson’s nurse, physiotherapist, occupational therapist, speech and language therapist, continence nurse and dietitian.

A person with Parkinson’s may also need access to other services, such as counselling, social services, falls services, respite care and day care at home.

As a health or social care professional you are a key part of this team. You may have people with Parkinson’s referred to you, or your role may be to monitor the condition on a regular basis and raise any issues with your manager, who can alert the relevant healthcare professional.

Different members of the multidisciplinary team should also be able to advise you on any relevant care points. These may include swallowing techniques, posture and different diet options if someone has problems eating, equipment that may help with mobility, and strategies to help someone who is experiencing hallucinations, delusions or anxiety.

Drawing on your own experiences, either from your professional observations or personal life, write 200 words in your reflection log to describe the possible physical, emotional and social impacts of this phase on a person’s life.

**Palliative (end of life)**

In the palliative phase, the major challenge is to achieve the best quality of life and maintain a person’s dignity. Appropriate pain control and support services should be in place.

A person in this phase of their condition may need regular reviews of their medication. Many people may need to stop taking some medications because of an increased sensitivity to side effects or because they are not working as well as they used to. Some people may also be unable to take medication orally.

A local Parkinson’s nurse or the person’s specialist can provide advice about how this period should be appropriately managed.

Although the condition progresses differently and at a different speed for each person, the palliative phase can potentially cover a long period of time. Some of the more advanced symptoms can lead to increased disability and poor health. This can make someone more vulnerable to infection. People with Parkinson’s most often die because of an infection or another condition.

The care plan of someone with Parkinson’s should include details of their wishes for end of life. This will include who they want to be with them, any spiritual or religious
needs, and where they want to be when they are dying. This may or may not be where they currently live.

**Care plan action**

It is important that you find out whether your resident or client has a care plan in place regarding their preferences for how the issues surrounding advanced Parkinson’s should be managed. This should include legal documentation, such as a Lasting Power of Attorney and an Advanced Decision (also known as an Advanced Directive or Advance Decision to Refuse Treatment and Living Will). This care plan should also include information about palliative care and the person’s wishes for end of life.

If a person does not have a care plan in place, you should help them to develop one. This should be in discussion with the person, their carer and family members (if relevant).

We have information that gives people with Parkinson’s more detail about preparing for the practical and emotional aspects of death and dying.

Read more in our booklet on preparing for end of life.
1.10 Summary

We have now looked in detail at what parkinsonism is, what Parkinson’s is and what causes it, how many people have Parkinson’s, and the average age at which they are diagnosed. We have also looked at how Parkinson’s is diagnosed and how it progresses. Hopefully you have considered how this information can help you improve your practice and increase, where appropriate, the involvement of other health and social care professionals.

The following exercises will help you consider the impact of living with Parkinson’s. They will test what you have learnt and give you the opportunity to research services in your local area.

Exercise 1.1

We will now look at an exercise that focuses on a case study. You can record your thoughts in your reflection log.

Think back to the information in Section 1 about the number of people who are diagnosed at a relatively young age, i.e. before 65. Remember, it is vital to focus on the phase of Parkinson’s and not the age of the person you are caring for when considering their care needs.

You can read about a member of Parkinson’s UK, Shaun Slicker, and his family in Case Study 1.1 below.

Case studies are common with health and social care professionals and are a way for you to explore your learning through looking at real lives. This is the first of a series of case studies that you will encounter on this learning journey. The exercises will help you develop your understanding and refine your knowledge. They can act as a useful practice for the exercises at the end if you choose to submit material to gain credit.

Please think about the emotional, social and psychological impact of Parkinson’s on Shaun and his family. Also, think about how they feel about the progression of his condition. Use your reflection log to record your thoughts.

Case Study 1.1 Shaun Slicker’s story

Shaun was diagnosed with Parkinson’s in 2009 at the age of 23. He has a partner, Emma and three children.

When he first noticed a tremor, Shaun put it down to a rugby injury or a knock to the head: ‘I’d been having shakes, but I didn’t know what it was,’ he says. ‘I thought it might be either because I’d been a bit of a fighter when I was younger, or because I’d trapped a nerve.’ Doctors didn’t make the connection at first, either. ‘I went to different doctors and they said it was probably a strain,’ Shaun remembers. ‘Then I went to the chiropodist for a corn and he asked, “What’s that shaking in your feet?” He referred me to a neurologist for tests.’
'At first when I found out I had Parkinson’s it was a relief, and then it was shock. But now I just live with it,’ Shaun reveals. ‘The thing I was most concerned about was that I couldn’t hold my hands up, so how could I hold my son, who wasn’t born yet? But thankfully I’ve still got my strength.’

When Shaun and Emma met, Shaun still wasn’t sure what was happening with his health, so Parkinson’s didn’t come up. But they accepted the diagnosis together. ‘You don’t really know a lot about it when you hear the word Parkinson’s,’ says Emma. ‘I didn’t spend all night searching the internet or wanting to know more about it. You’ve just got to get on with it. It doesn’t bother him, so it doesn’t bother me.’

Other people seem to find it harder to fathom: ‘I tell everyone about Parkinson’s,’ says Shaun. ‘There haven’t been any bad reactions, but people feel sorry for you.’

‘Yes they do,’ Emma confirms. ‘I work with older ladies at my hairdressers and some of their partners have it. When I tell them they say, “Oh he has Parkinson’s, I’m ever so sorry, my husband’s got it and it’s this, that and the other.” And I say, “What are you sorry for? It’s not a life sentence, is it? He’s still here.”’

Shaun’s symptoms are kept under control during the day by apomorphine, which is pumped continuously into his system for 12 hours a day. ‘My main symptoms are stiffness and I move slowly,’ says Shaun. ‘My toes bunch up and that’s painful. Going to sleep is a big problem because I try to relax myself, but it feels like I’ve spent three hours in the gym, the muscles are all tense. But when I’m on the drug I’m OK.

‘When I first carried the pump on my arm, people wondered what it was, and when I told them what it was they were shocked.’ ‘When he’s got his drug in, you can’t even tell he has a problem,’ says Emma.

But not being able to work and enjoy his lifelong passion, rugby, has been difficult to adjust to. ‘I had to give up full contact rugby, and that was hard, as I’d played since I was five. I tried tag rugby for a while, and now I go to the gym. When I’m more active, my Parkinson’s symptoms aren’t as bad.’

‘The main problem for me is boredom – spending all day with nothing to do,’ Shaun reveals. ‘I used to work as a labourer, but it’s really not possible anymore. You get depressed about it, a lot of people do, but I think you just get on with it. It’s important to have a sense of humour. I joke to mum that I can’t do things like the hoovering because I’ve got Parkinson’s – or that my favourite food is Shake ‘n Bake!’

‘To other young people with Parkinson’s, I’d say live life to the full and live like you don’t have it. Take each day at a time. It’s useful to speak to other people going through the same thing, but not many people open up about Parkinson’s,’ Shaun says. ‘To be honest, I don’t know that much about it. I don’t really want to find out more. There’s no point thinking about Parkinson’s today if I’m going to be hit by a bus tomorrow. As far as I’m concerned, I don’t want to know what I’m going to be like in ten years’ time.’

Now try the Section 1 quiz.
This is the first of four section quizzes. You will need to try all the questions and complete the quiz if you wish to gain a digital badge. Working through the quiz is a valuable way of reinforcing what you’ve learned in this section. As you try the questions you will probably want to look back and review parts of the text and the activities that you’ve undertaken and recorded in your reflection log.

**Personal reflection**

At the end of each section you should take time to reflect on the learning you have just completed and what that means for your practice. The following questions may help your reflection process.

Remember this is your view of your learning, not a test. No one else will look at what you have written. You can write as much or as little as you want, but it will be helpful for you to look at your notes when preparing for your assessment.

Use your reflection log to answer the following questions:

1. What did I find helpful about the section? Why?
2. What did I find unhelpful or difficult? Why?
3. What are the three main learning points for me from Section 1?
4. How will these help me in my practice?
5. What changes will I make to my practice from my learning in Section 1?
6. What further reading or research do I want to do before the next section?

**Exercise 1.2**

Using the template supplied, create a community map of support contacts in your area for a person with Parkinson’s. It may include contacts with local statutory or voluntary services, informal contacts with community, and anything else you think shows a picture of your local area.

You might find it useful to speak with other colleagues, use the internet or visit your local community centre. In the centre of the template is the person with Parkinson’s. Write in as many different support contacts as you can find in the circle below.

If you are part of a study group, this is an activity that you could undertake together.

Now that you’ve completed this section of the course, please move on to Section 2.
Glossary

basal ganglia
The part of the brain that controls movement. It is made up of different parts, including the substantia nigra, which produces dopamine.

bradykinesia
Slow movements – one of the three main symptoms of Parkinson’s.

cognitive processes
Mental processes involving thinking and memory.

delusions
When a person has thoughts and beliefs that aren’t based on reality.

dopamine
A neurotransmitter or chemical messenger. This chemical transmits messages between the brain and muscles that help people to perform sequences of movements. Dopamine also contributes to some thinking and memory processes.

delusions
When a person has thoughts and beliefs that aren’t based on reality.

dopamine
A neurotransmitter or chemical messenger. This chemical transmits messages between the brain and muscles that help people to perform sequences of movements. Dopamine also contributes to some thinking and memory processes.

hallucinations
When a person sees, hears, feels, smells or even tastes something that doesn’t exist.

hypomimia
The loss of facial expression caused by difficulty controlling facial muscles.

idiopathic Parkinson’s
When a person’s Parkinson’s has no specific known cause.

motor symptoms
Symptoms that interrupt the ability to complete learned sequences of movements.

multidisciplinary team
A group of healthcare professionals with different areas of expertise who can unite and treat complex medical conditions. Essential for people with Parkinson’s.

neurological
Involving the nervous system (including the brain, spinal cord, the peripheral nerves, and muscles).

non-motor symptoms
Symptoms associated with Parkinson’s that aren’t associated with movement difficulties.

parkinsonism
An umbrella term that describes conditions which share some of the symptoms of Parkinson’s (slowness of movement, stiffness and tremor).
Uncaptioned figure

Description

Man with a frame and woman crossing a road.

Back
Uncaptioned figure

Description

A woman on the left with the back of her T-shirt showing ‘we can beat it’ is facing and talking to two other people, a man in the centre and an older woman on the right.

Back
Uncaptioned figure

Description

A young couple with the woman on the left and the man on the right are holding a small brown haired child between them. The man has his left hand on the woman’s shoulder and chest.
Uncaptioned figure

Description

Man on the left and woman on the right sitting on a sofa. The woman is holding a cup and is listening to the man.

Back
Hello, I’m Fiona Barrett. I’m the education programme manager for Parkinson’s UK, and I’m delighted to welcome you to the Understanding Parkinson’s online programme. This programme has been designed for all levels of health and social care professionals working with people with Parkinson’s and I hope you find it useful. The course itself is designed around a series of sections where we look at different aspects of Parkinson’s.

Starting with the first session, this is a general overview, so we’ll be looking at what is Parkinson’s? What’s the impact of living with Parkinson’s? And we’ll be able to look at that from a number of different perspectives. We’ll hear from a person living with the condition. We’ll hear from carers and family members of people who live with Parkinson’s and lastly we’ll hear from professionals who are involved in the care of people with Parkinson’s. Most importantly in this first section, you’ll begin to identify where your role is in supporting people with Parkinson’s.

There will be a number of reasons why you’ve chosen to take up this learning opportunity. Perhaps some of you have been directed here by work. Perhaps some of you have come across our marketing material and perhaps some of you have just stumbled across this. Whatever the reason, I sincerely hope that there’s something here that will help you in your work role.

The course has been designed to help you to confirm what good practice is happening around you in the workplace at the moment, help you to identify best practice and where this can be introduced in your own work environment, and it gives you space to reflect on what your previous experiences, both positive and negative, of working with people with Parkinson’s. And space to reflect on the learning and to think about what changes you might now make because of that learning. So what do we cover in this first session?

We will look specifically at what Parkinson’s is and what causes Parkinson’s to develop, and there are many reasons for this, not all of which we know. We don’t have the answers to everything at the moment,
however we will look at this in some detail. We will also look at the range of conditions that present within Parkinsonism, and we’ll look at what we refer to as the key motor and non-motor symptoms.

You will know, no doubt, that Parkinson’s is considered to be a movement disorder, but for many people living with the condition, what we refer to as the non-motor symptoms are actually much more impactful on their quality of life than those visible motor symptoms. At present count, I think we’re looking at 36 non-motor symptoms, and most people will experience around about half a dozen of these in the journey with their Parkinson’s. So we’ll look at these in detail and look at how you can support people to manage these particular symptoms.

In this section, we’ll also look at the age of onset, or the most common age of onset. We’ll also look at the progression of Parkinson’s, how long does it take for the condition to progress? And we’ll look at what we call the key phases of Parkinson’s. But most importantly, what we’ll be looking at in this section is what does person-centered care mean for an individual living with Parkinson’s? We use this term a lot in our workplaces, but what does that mean for you? How do you deliver person-centered care to a person with Parkinson’s?

Claire Hewitt

Before you start this course, it’s important to think about how you will learn online and how you’ll progress through the course. This may be your first-ever online course, or you may have undertaken a number before. You can either download this course and use it on an appropriate mobile device, or you can work through it online.

As you work through the course, there will be a quiz at the end of each section, testing what you’ve learned in that section. And then at the end of the course there will be a final quiz which will be a review of all the sections and what you’ve learned. Once you’ve completed those quizzes, you will be able to earn a digital badge, and this demonstrates what you’ve learned in the course. Also, as you work through the course, there will be some reflective exercises. These are really important so that you can think about your practice in the past and reflect on what you might be able to do in the future to improve your practice. Enjoy the course.