Table S2 An example of an individual coding framework This is a shortened version of the framework given as an example and does not include all the codes developed during the analyses.

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
About the	Demographics: 70 year old, male	Context: Unchanged.	Context: Unchanged.	Retired from light office work.
person	Context: Retired 3 years; light	General health: Worsened.	General health: Major health	Lives with wife; drives. Has general
	office work. Lives with wife; house	Non-MSK health: Progressive	incident.	good health; had a history of
	and garden; stairs.	throat narrowing; limited to	Main health concern: Oesophagus	regular light physical activity, and
	Transport: Drives.	liquid food; major social impact	constriction/feeding tube.	a small social network outside of
	General health: "not too bad".	on all social activites involving	Non-MSK health: Severe oesophagus	the family unit. He experienced a
	Non-MSK health: Hypertension;	shared meals. Manipulation of	constriction, requiring external	major health incident over the
	throat constriction causing	his body during throat dilatation	feeding tube: "My oesophagus shut	previous 12 months, resulting in
	swallowing issues.	procedure, performed under	down completely and I couldn't even	external feeding tube. This has had
	MSK health: 30+ years ago stress-	general anaesthetic, "messes up	drink water They installed a balloon	a major social impact, substantially
	related back pain; 5+ years ago	my back" and takes ~3 weeks to	in my stomach and through this I	limiting his involvement in his
	severe pain when shovelling snow,	recover physically.	could feed myself fortified drinks."	social network. Low mood evident
	10-week pain management course,	MSK health: Presentation of		at final interview.
	settled over time.	back pain symptoms often	Ppt seemed in low mood during the	
	Physical history: 30+ minutes/day.	coincides with increased throat	interview.	
	Swimming; cycling; daily	narrowing, but unsure if these		
	exercise/stretching routine.	two health issues are related.		
	Social history: Rotary club.			
	Interests: Reading, writing,			
	walking, travelling, gardening.			

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Current NC	Symptoms:	Symptoms:	Symptoms:	Symptoms:
symptoms	1 [°] : Pain, bilateral, buttocks, thighs,	Pain initially reduced after doing	Intermittent back pain, lateral hip and	Consistently reported pain in back,
	legs, and feet;	exercises given at 1st PT session,	buttock pain; reduced in frequency	buttocks, and thighs. Pain reduced
	2 ⁰ : Balance: <i>"well, the balance is</i>	then reappeared as severe pain:	and intensity: "But my back pain, the	in frequency and intensity over 12
	there but after a while I lose my	"I don't know why and how that	constant pain and the severe pain that	months, to an acceptable level
	balance and I start to become	pain came back. That is a	I used to have is no longer there at the	(Quote - Interview 3).
	uncomfortable and sometimes I	mystery."	moment, so I'm happy to say that.	
	miss a step or something like that."		However, it is not completely gone,	Presentation:
		Pain has now decreased to an	and I get days, every now and again,	Consistently reported pain-triggers
	Presentation:	acceptable level: "Occasionally	when the pain comes back."	of sitting after walking, with
	Pain triggered by prolonged	mild pains are there but I am	Presentation:	intensity related to walking
	standing, relieved by sitting: "I	okay with that, I can live with	Pain triggered by sitting after walking;	duration (Quote - Interview 3).
	can't stand more than 5 minutes	that. But that severe pain is no	pain intensity positively correlated	
	now, sometimes even that is a bit	longer there."	with walking duration: "What happens	New presentation of pain when
	painful."		is then the pain starts, not while I'm	bladder and bowel are full (Quote
	Pain triggered when sitting directly	Presentation:	walking but after I have done my walk	- Interview 3).
	after walking: "The pain is not	Pain triggered by prolonged	and I sit down. And the more I walk,	
	there when I am walking but when	standing (>5 minutes): "Standing	the more severe the pain is when I sit	
	I sit down then the pain starts	hasn't changed much."	down."	
	coming in the buttocks, along the		Pain in thighs on waking in morning,	
	thighs and down the legs, and it		prior to, and relieved by, micturition	
	also affects my feet as well."		and defecation: " lately, before I get	
			up in the morning, about half an hour	
			or before that, I get the pain along my	
			thighs, and I don't know why. But once	
			I go to the toilet and I pass water and	
			do my business then it seems to ease	
			off."	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Impact of NC	1. Pain-impaired Mobility = 'Small	1. Pain-impaired mobility	1. Pain-impaired Mobility = 'Small	1. Pain-impaired Mobility = 'Small
	world'. Pain-impaired movement	impacting writing. Walking has	world'.	world'.
	has restricted ADLs, travelling, and	improved: "It has improved, I		Pain-impaired mobility and
	socialising, thus reducing his	cannot deny that." However, as	1.1. Impacts holidays, international:	function has reduced access to his
	physically and socially accessible	walking duration is limited by	Pain has reduced the distance he now	physically and socially accessible
	environment: " because I can't	pain, and concentration is	travels: "It's not the ideal situation,	environment, thus restricting his
	walk I am just housebound."	focussed on safety, his walking is	because it makes me little bit home	ADLs, hobbies, travelling, and
		not at a level to facilitate his	bound and I cannot travel as freely as I	socialising : " because I can't
	1.1 Pain has restricted standing	writing: "Before, I used to walk	would like to, long distance and things	walk I am just housebound."
	(not > 5 mins) and walking (not >	for two or three hours, and when	like that."	
	10-20 mins):	I am walking I can think through.	1.2: Impacts travel locally: The need	While RCs walking has improved
	1.1.1 Impacts writing: Indirectly	But at the moment I concentrate	to freqeuntly sit when walking	over the course of the interviews,
	affected his writing progress, as	so much on walking, that I don't	impacts local outings: "Especially in	it has not returned to a level that
	walking was his means of	take the wrong step, fall down on	winter, there is no place to sit down	is beneficial to his writing process
	processing his ideas for his book: "I	the pavement or anything like	because everything is wet or covered	(Quote - Interview 2).
	mean a day like this I just like to	that, you know, I can't think of	in snow. Or if I go for a longer walk	
	get out and walk for miles,	the novel. That, I have to sit	then I have to make sure I know where	2. Impaired mobility =
	because I'm writing fiction so I	down and sort of think at that	the sitting down places are."	Dependence on others = Negative
	need to think about things, and if	time."		emotional health
	I'm walking then I can think about		2. Pain-impaired mobility impacting	Pain-impaired mobility has led to a
	it and do the exercises, but		writing.	dependence on others for roles he
	because I can't walk I am just		Reduced walking has impacted	once easily fulfilled himself,
	housebound and I can't think while		writing; walking is used to process his	resulting in negative emotional
	I'm walking because the pain starts		ideas, with a duration of 1 hour	states.
	coming, and that's one of the		necessary to facilitate this process: "I	
	biggest bug bear in my mind."		think that means some walking	
	1.1.2 Impacts nolidays: "I used to		continuously for about an nour.	
	be fond of travelling as well but		Because before I get into my	
	can't ao that much travelling		Walking/thinking mode I need about	
	either, because of the pain. And		10 minutes to build up the mythm of	
	these days as you know are		the mind thinking rhythm, and also	
	cattle market you know ure, are		ance you start walking you can't	
	and walk and stand for hours on		immediately as into the thinking	
	and and I can't do that any more "		mode: it takes a few minutes to sert of	
	end and I can't do that anymore."		mode; it takes a few minutes to sort of	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
	 1.2 Pain-restricted load-bearing (lifting and climbing): 1.2.1 Impacts gardening and home maintenance: 1.2.2 Impacts Rotary Club: "I wanted to do a lot more in the Rotary organisation, but it requires a lot of physical effort as well you know, organising an event and lifting things and going places, driving for miles, and I can't do that and that makes me miserable to be honest you know, and I can't play my part fully in the things that I want to do." 1.2.3 Impacts holidays (lifting suitcases) 		settle down the brain, leave everything behind and say 'right ok, I'm walking now and I'm going to think about it'."	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Impact of NC	2. Pain-impaired mobility =			
	Dependence on others			
	2.1 Psychological impact on wife:			
	"But at the airport I don't take			
	chances and at the airport I sit			
	down in a wheelchair and be			
	carted around by my wife in the			
	wheelchair because airport when I,			
	because it's not so much the			
	walking but the standing in the			
	queues, that is the most painful			
	and that puts me off travelling,			
	because at the airport Although			
	that is psychologically not very			
	good that you are being carted			
	around by your wife, but that is			
	because once I get there I don't			
	want to spoil my holiday, you			
	know, so that's why I take all of			
	the precautions."			
	2.2 Frustration: "It frustrates me			
	because I can't do the things that I			
	want to do. Ah, and what is most			
	annoying, I have to rely on other			
	people, simple things like changing			
	the bulb. Before I wouldn't even			
	think about it, and now to get the			
	ladder here, bring it in the house			
	and to climb on it, it just puts me			
	off and I don't do that."			

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Emotional	1. Frustration 1.1 Frustration at	1. Confident that severe pain	1. Fear-avoidant of returning to	RC begun the study with reduced
response to	dependence on wife and others:	will not return. RC is increasingly	previous physical activities: RC is fear-	emotional health, experiencing
NC	<i>"It frustrates me because I can't do</i>	confident severe pain will not	avoidant of certain activities that have	low mood at his inability to
	the things that I want to do. Ah,	return as remission period	previously caused increased pain,	contribute socially, and frustration
	and what is most annoying, I have	lengthens: "With this back	such as gardening: "But I don't do	over the impact of his condition on
	to rely on other people, simple	problem I have had this sort of	gardening like I used to do before. For	aspects of his relationship with his
	things like changing the bulb.	sessions where I feel good and	the fear of damaging or hurting my	wife (Quote - interview 1.1.2).As
	Before I wouldn't even think about	then occasionally it comes back,	back, and things like that. Because I	RCs pain improved over the course
	it, and now to get the ladder here,	but this time, for the last four or	tried that in the past, and once I start	of the study he became confident
	bring it in the house and to climb	five weeks, I am feeling okay and	doing something then I get carried	the severe pain would not return.
	on it, it just puts me off and I don't	I'm feeling more and more	away, and the next two days then I	However, his previous experience
	do that."1.2. Frustration at impact	confident by the day."2. Fearful	have to suffer, so I try and avoid it."2.	with treatment delays in the NHS
	his condition is having on his	of treatment delays if pain	Envy at others abilityRC feels envious	system has made him fear-
	wife's lifestyle: "For example we	returns. RC is fearful that should	of people his age who are able to walk	avoidant of returning to activities
	want to go on holiday or that was	his symptoms reappear he will	faster and further than him: "I always	that may cause stress to his back,
	our plan before retiring, we	face treatment delays associated	tried [to improve walking], but it	such as cycling (Quote - Interview
	worked very very hard both myself	with NHS waiting lists: "At the	doesn't seem to be coming to the	2: 3.3.2) and gardening (Interview
	and my wife, we worked 7 days a	moment I am okay, right. My	optimum level like I see people of my	3: 1).RC views his walking ability as
	week for nearly 20 years you know	fear is if it comes again then	age walking a lot more than me. And I	sub-optimal for his age, and feels
	and we thought when we retired	sometimes the waiting time is so	feel a bit envious of them."	envious of his more mobile peers
	we would do a lot of travelling.	long."3. Fear-avoidant of		(Quote - Interview 3: 2).
	And because I can't travel my wife	returning to previous physical		
	can't travel and that frustrates me	activities: RC would like to return		
	and makes me feel that I am not	to cycling, but is avoidant		
	doing justice to her."2. Low mood	because of: 3.1. Previous cycling		
	at inablilty to contribute socially:	accident: "That is one of the		
	"It's very depressing, because I	main reasons I haven't taken my		
	wanted to do a lot more in the	bicycle out, you know, because if		
	Rotary organisation, but it requires	the pavements or the roads are		
	a lot of physical effort as well you	wet or scattered with leaves I		
	know, organising an event and	don't want to take the chance.		
	lifting things and going places,	Because when I was young I have		
	driving for miles, and I can't do	fallen off my bicycle twice and		
	that and that makes me miserable	once it cracked my skull and I		
	to be honest you know, and I can't	had to have stitches, and I don't		

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
	play my part fully in the things that I want to do."3. Negative association of walking aids with age and disabilityWill not use walking aid to manage balance issues: "I don't like them [laughs]. Vanity. I just suppose It looks like you are an old man you know, or a disabled person. And my mum is nearly 90 and she still doesn't use a walking stick."	want to go through that again." 3.2. Lack of confidence , due to back not feeling strong enough for this activity: "Now I wanted to try cycling but, because of the weather and I haven't got enough courage yet to start riding the bicycle, just in case I mess it up again, so what I am doing is I'm playing it very cautiously and I will only do when I feel that I am strong enough or my back is strong enough to take a little bit more stress. I don't want to give it too much stress and get into trouble again."		

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Current	1. Walking:	1. Walking:	1. Walking:	1. Walking.
mobility	1.1 Continuous walking duration	1.1 Continuous walking	1.1 Continuous walking duration:	RC consistently presents walking
	10-20 minutes: "Walking I can	duration: Up to 30 minutes:	1.1.1. Current duration: RC describes	as the primary mobility issue
	manage 10-15, on a good day up	"Standing hasn't changed much,	increased walking duration, yet the	across the course of the study. RC
	to 20 minutes, but then after	but walking has definitely	stated duration is shorter than at	is encouraged by improvements in
	walking that distance when I sit	improved, and I can walk twenty,	Interview 2: "Because these are	both his continual and total daily
	down the pain comes."	twenty-five minutes, or	summer months I am able to walk a	walking duration, and in his
	1.2 Daily walking duration 30	occasionally even thirty minutes	lot more than I was able to do	walking gait, over the course of
	minutes, often split into multiple	if I don't walk very fast and if I	previously. But again it depends, on	the study (Quote - Interview 3:
	shorter walks.	walk at a gentle sort of pace."	some days if the pain is severe	1.1.1). This is at odds with
			because of one reason or the other	interview data, whcih suggests his
	2. Balance:	2. Balance:	then it is a little bit slow or less, and if	walking duration has actually
	1.1 Loses balance after sustained	2.1 Stability is an issue. Balance	I'm feeling good then I can manage	remained at a consistent level
	walking: "my balance is not quite	has improved, but is still an	15, 20 minutes, even slightly longer	from Interview 1 to Interview 3.
	well, the balance is there but after	issue: "Balance is a little bit	than that. So that is also quite	
	a while I lose my balance and I	better than what it was,	encouraging."	RC would like to improve both
	start to become uncomfortable	yeah It's just the steadiness	1.1.2. Satisfaction with current	walking duration and speed, but is
	and sometimes I miss a step or	of my legs When I am walking	duration: RC is not overly satisfied	limited by pain presenting both
	something like that."	I have to keep looking straight	with his walking ("I would say 6 out of	when walking and directly on rest
		ahead, and if I turn to the side	10."), and would like to increase it to	following a walk.
	3. Negotiating obstacles:	and I'm still walking then it	one hour continuous walking: "That	
	Pain and balance issues are	becomes a little bit shaky. When	would be very good, but I think that	2. Balance and stability.
	negatively impacting RC's ability to	I'm walking I have to face in the	means some walking continuously for	RCs balance and stability comes
	negotiate stairs: "Pain, balance,	direction that I am walking."	about an hour."	across as less problematic over the
	and the stability you know. So if	2.2 Concentration required. RC	1.2 Improvement in gait: RC notes	course of the study, with only
	there are no handrails then I have	needs to concentrate on his	improved walking gait, due to reduced	steep declines raised as an issue
	to think twice of climbing the	walking to maintian safety and	pain and stiffness: "I think I can more	(Quote - Interview 2: 3).
	stairs, and coming down."	stability: " I concentrate so	comfortably walk without the pain.	
		much on walking, that I don't	And my legs feel less stiff. The	
		take the wrong step, fall down on	movement is sort of easy, whereas	
		the pavement or anything like	previously I used to get stiff joints and	
		that, you know."	stiff legs, and I could feel that I was	
			walking."	
		3. Negotiating obstacles:	1.3. Limited by pain	
		RC is able to negotiate steps, but	1.3.1. Duration limited by pain on	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
		walking downhill is problematic due to stability issues: "I mean, walking down a steep hill is still a problem. But steps is not a major problem but if it's a really steep downhill then, without the support it is a little bit shaky."	sitting after walking: Primary limitation on walking duration is pain on sitting after walking, with pain intensity positively correlated with walking duration: "What happens is then the pain starts, not while I'm walking but after I have done my walk and I sit down. And the more I walk, the more severe the pain is when I sit down." 1.3.2. Speed limited by pain on walking: Gait speed is pain- dependent: "But again it depends, on some days if the pain is severe because of one reason or the other then it is a little bit slow or less, and if I'm feeling good then I can manage 15, 20 minutes, even slightly longer than that."	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Current	1. Walking	1. Walking	1. Maintaining constant activity	RC likes to keep physically and
activity	Physical activity limited to short	1.1 Daily walking routine: "Yes,	RC likes to stay physically and	mentally active. Over the course of
	duration walking: "Walking I can	walking I try and do almost every	mentally active: "I like to keep myself	the study he consistently
	manage 10-15, on a good day up	day. At least, either two sessions	occupied, if not physically then at least	references engaging in two types
	to 20 minutes, but then after	of ten, fifteen minutes or one	mentally, if I keep myself occupied	of physical activity: a pre-
	walking that distance when I sit	session of twenty-five minutes."	then that is better."	established home exercise routine,
	down the pain comes."	1.2. Targeting increased walking	1.1. Physical activity:	and a walking routine. RC
		duration over broader range of	1.1.1 Inside home: RC keeps mobile in	mentions subtle changes in both
		activites: "So I'm concentrating	and around the house on an hourly	of these activities over the course
		just slowly increasing my walking	basis: "But during the day time I tend	of the study:
		durations. Slowly."	to get up every one hour or so, and	1. Regarding walking, RC
		2. Daily exercise routine	make myself cup of tea, just go in the	establishes a consistant daily
		2.1. Follows pre-established	garden, come back again. So I move	walking routine, with a targeted
		routine: RC has a pre-established	around, climb staircase upstairs for no	focus of increasing his walking
		weekly exercise routine;	apparent reason, and come down	duration.
		exercising for 5-20 minutes, 5	again, about 10 times a day."	2. Regarding home exercise, RC
		days per week: "the stretching	1.1.2. Outside home: RC walks up to	begins to integrate more exercise
		and that kind of exercises that I	30 minutes per day spread over one	into his daily activites, such as
		do, sort of yoga type, that is for	or two walks: " if I do 20-30 minute	using the staircase as a form of
		about ten to twenty minutes,	walk then I will do it once. Or else I do	exercise equipment (Quote -
		depending on how I am feeling in	two 15-minute walks."	Interview 3: 1.1.1).
		the morning when I get up I try	1.2. Mental activity: Daily routine of	
		and do it five days out of seven. I	research, reading, and writing: "I like	
		take a break on Monday and	to keep myself occupied, if not	
		Thursday, just to give the body a	physically then at least mentally, if I	
		little bit of a rest."	keep myself occupied then that is	
		2.2. Doesn't feel the need for	better. And there is two things that	
		additional exercises: "I don't	keep me occupied; one is my stocks	
		want to do any new exercises at	and shares, which I just look and	
		the moment, because whatever I	waste time on it, and the other thing is	
		am doing I think is enough."	I read and I try and write something,	
			so that keeps me mentally occupied."	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Activities	1. Pain-impaired mobility has	1. Range of physical activities:	1. Range of physical activities: Has	RC entered the study with
stopped due	stopped travel activities: 1.1.	RC had recently bought a new	consistently stated his intention to	established pain-impaired mobility
to NC	International travel: "I mean I	bike, but stopped cycling due to	resume swimming and cycling in the	restrictions impacting his local and
	have relations in [country] which	back pain and a lack of	summer. While he feels capable of	wider environment. These
	have been calling us for a long	confidence. He would like to	doing these activities in terms of his	included a loss of engagement in
	time. But now when I think about	return to cycling again; however,	back condition, he is concerned they	international travel with his wife,
	going to [country] I just don't want	he currently doesn't feel his back	may be too strenuous while he has a	local social travel with his Rotary
	to do it." 1.2. Local travel: "I'm a	is strong enough for this activity.	feeding tube inserted: "My whole	Club, and physical activites for
	member of Rotary Club. So again		programme was upset a little bit,	enjoyment (cycling, swimming,
	we used to go on holidays on the		because this summer I had high hopes	gardening). (Quote - Interview 3:
	coach but even that became very		of doing a lot of other things, to	2).No further activities have been
	painful. So any holidays in a group		improve my back and things like that,	stopped over the course of the
	or things like that I try and avoid		but with this balloon sticking from my	study. RCs primary barrier to re-
	them, unless they are suitable for, I		stomach I can't even go swimming or	engaging with travel restrictions
	don't like to use the word		cycling. Cycling might be a bit too	remains his pain-impaired
	'disabled' but you know with		strenuous. Although I have been told	mobility. The primary barrier to re-
	limited mobility."2. Pain-impaired		that people do go swimming with this	engaging with physcial activities
	movement has stopped		type of tube, but I don't want to take	has now changed, and is due to a
	hobbies:2.1. Gardening: "I mean I		that chance."2. Pain-impaired	recent, unrelated health event
	used to love gardening but I can't		mobility has stopped travel activities:	which has resulted in an external
	do that either."		Local travel: RC avoids travelling to	feeding tube. (Quote - Interview 3:
			certain areas now: "But I do worry	1).
			about, say if I have to do somewhere	
			by car, say for example even if I go to	
			London, to travel underground, and	
			that is the only way you can travel in	
			London really, but that is very very	
			difficult for me. I don't, well I can't	
			bring myself round to doing that sort	
			of thing."	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Activities	1. Accessing local environment.	1. Writing. Focus of walking has	1. Accessing local environment. While	Pain-impaired mobility has
reduced due	Pain-impacted mobility has	shifted from a way of processing	walking has improved since Interview	consistently restricted RCs access
to NC	reduced the scope of how far he	his thoughts for writing his novel,	1, it is still reduced in duration and	to his local environment, through
	can walk: <i>"Walking I can manage</i>	to maintaining safety to prevent	speed compared to pre-NC levels: "I	limiting the duration and pace of
	10-15, on a good day up to 20	falling: "Before, I used to walk for	always tried [to improve walking], but	his walking.
	minutes, but then after walking	two or three hours, and when I	it doesn't seem to be coming to the	
	that distance when I sit down the	am walking I can think through.	optimum level like I see people of my	As a direct result of walking
	pain comes."	But at the moment I concentrate	age walking a lot more than me. And I	restrictions RCs writing has been
	2. Writing. Pain-impacted mobility	so much on walking, that I don't	feel a bit envious of them."	impacted. He is currently writing a
	has indirectly affected his writing	take the wrong step, fall down on		novel, and purposely used his
	progress, as walking was his	the pavement or anything like	Writing. Writing progress has	walking time to process his ideas.
	means of processing his ideas for	that, you know, I can't think of	reduced, as he is not able to walk long	Now, due to both restricted
	his book: <i>"I mean a day like this I</i>	the novel."	enough to process his writing	walking duration and the
	just like to get out and walk for		thoughts: "Because before I get into	requirement to focus on his gait
	miles, because I'm writing fiction		my walking/thinking mode I need	when walking, he is no longer able
	so I need to think about things, and		about 10 minutes to build up the	to use his wlaking time for his
	if I'm walking then I can think		rhythm of my body, walking rhythm,	writing purposes. (Quote -
	about it and do the exercises, but		and also the mind thinking rhythm.	Interview 2, or Interview 3:2).
	because I can't walk I am just		Because once you start walking you	
	housebound and I can't think while		can't immediately go into the thinking	
	I'm walking because the pain starts		mode; it takes a few minutes to sort of	
	coming, and that's one of the		settle down the brain, leave	
	biggest bug bear in my mind."		everything behind and say 'right ok,	
			I'm walking now and I'm going to	
			think about it'."	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Current	1. Adaptations to home	1. Behavioural adaptations to	1. Behavioural adaptations to activity	RC had made several adaptions to
adaptations	environment	activity	1.1. Adopted graded activity	his home environment and ADLs
to NC	1.1. Equipment. Handrails installed	1.1. Reduced exercise intensity:	approach: RC tries to walk for 30	prior to commencing the study,
	at various locations inside and	RC has now developed a more	minutes a day, and will split this into	including installation of handrails
	outside his house, in responce to	gentle approach to exercise,	multiple shorter walks if pain prevents	to help with negotiating steps in
	pain and stability issues	which he thinks may have	a longer walk: "More or less the same	and around the home,
	negotiating stairs: "So handrail at	contributed to relieving his pain:	as before, but because it being	redistribution of household duties,
	the front, the gate, because that is	"So what I have found now is if I	summer months I get out, if I do 20-30	and travel adaptions.
	another problem, I mean walking is	do it gently, and keep it in a	minute walk then I will do it once. Or	
	not a problem but climbing,	position, I think that probably	else I do two 15-minute walks."	Over the course of the study, RC
	putting step onto higher level. And	has released the nerve that was	1.2. Targeted walking environments	additionally made several
	then I had to install another	being pinched and was giving me	1.2.1. Route planning to include	sustained behavioural adaptations
	handrail on the staircase, and I try	the pain. That is my theory.	resting places: RC needs to be able to	to his pre-existing walking and
	and avoid staircases or steep steps	Whether I'm right or wrong, I	sit down when out walking.	exercise routine, in both content
	So if there are no handrails then	don't know."	Accordingly, he plans, and avoids,	and intensity:
	I have to think twice of climbing	1.2. Adopted graded activity	walking routes based on the	1. He integrated the two BOOST
	the stairs, and coming down."	approach: Following advice from	availability of seating: "Basically I have	flexion exercises into his daily
	1.2. Redistribution of gardening	BOOST physiotherapist, RC is	to sit down somewhere. In some	exercises, and lessened the
	duties. RC's wife now does the	using a graded activity approach	places I can sit down, and there are	intensity of his stretches, based on
	basic garden maintainence, and	to increasing his walking	sometimes places, like if you're	a premise that a more gentle
	they hire someone to do the	distance: "So I'm concentrating	travelling in the underground in	approach may be less harmful to
	heavier work: " my wife is very	just slowly increasing my walking	London. I had one incident when I had	his physical well-being (Quote -
	active and she's full of energy, so	durations. Slowly."	to go to London, I had to travel in the	Interview 2: 1.1).
	she does all the gardening and	1.3. Adopted pain management	underground and that was quite	2. He adopted a graded activity
	everything, she takes care of it, so	routine: Following advice from	painful."	approach to increase his walking
	that is a saving grace. And the	BOOST physiotherapist, RC is	1.2.2. Route planning to include	duration (Interview 2 - 1.2).
	other thing that we do, the hard	resting when his pain flares up,	activity challenges: RC plans his	3. He adopted a routine to manage
	bits that I used to do before,	then recommencing activity	routes to include some hills, with the	pain flare-ups (Quote - Interview
	cutting the hedge and things like	when it settles: "Apart from the	intent of building up his leg muscles:	2: 1.3).
	that, that sort of thing is done by,	occasional session that I get, you	"I mean if I'm climbing a hill, which is	4. He adapted his walking routes
	we get people to come and do it."	know, then I get the pain again	always what I try to do a little bit of it	to include options for both resting
		and then I rest, and once I rest	as well, I deliberately choose a route	if needed, and for challenging his
	2. Adaptations to travel	then I start to feel better and	where there is downhill and uphill, and	walking if able (Quote - Interview
	Despite declining walking aids in	then I start again and then I have	fortunately in my area there is enough	3: 1.2.1 and 1.2.2).
	daily life. RC uses a wheelchair at	to build it up aradually to more	of that. So I do both of them, just to	

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
	airports, to enable him access to holidays: "But at the airport I don't take chances and at the airport I sit down in a wheelchair and be carted around by my wife in the wheelchair because airport when I, because it's not so much the walking but the standing in the queues, that is the most painful and that puts me off travelling Although that is psychologically not very good that you are being carted around by your wife, but that is because once I get there I don't want to spoil my holiday, you know, so that's why I take all of the precautions."	and more." 2. Adaptations to writing RC has adapted his writing regime to accommodate his decreased walking duration and increased concentration required to walk safely. He now processes his writing ideas when seated in his office: "Before, I used to walk for two or three hours, and when I am walking I can think through. But at the moment I concentrate so much on walking, that I don't take the wrong step, fall down on the pavement or anything like that, you know, I can't think of the novel. That, I have to sit down and sort of think at that time."	build up my muscles. Because walking straight has got a different, I think [laughs]; I'm trying to bring my own theories in." 1.3. Seasonal adaptations to walking RC adapts his walking routes in winter, to enable him to find somewhere dry to sit: "Especially in winter, there is no place to sit down because everything is wet or covered in snow."	RC adapted his writing routine, to enable him to continue productive writing within the constraints of his mobility restrictions (Quote - Interview 2: 2).

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Attendance	No information.	RC was discharged after two	No further information.	RC attended two treatment
at BOOST		sessions. He experienced severe		sessions. Treatment log indicates
intervention		pain after discharge, but was		he was prescribed three exercises;
- BPA		advised by the physiotherapist to		however, he only refers to
		rest, rather than to come in for		receiving two: lying and seated
		another treatment session: "I		flexion.
		went for one session with them		
		and they told me to do one or		
		two exercises, and then I felt		
		really good. But then I developed		
		severe pain again, and then I		
		phoned them and they said, 'We		
		are not quite sure whether you		
		should come back to us or		
		whether you' And they said,		
		'Well try and rest for a few days',		
		which I did. And then after that I		
		felt better, and after that I		
		haven't had any further contact		
		from them."		

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Adherence	RC is committed to adhering to the	1. Integrated BOOST exercises	1. Integrated BOOST exercises into	RC integrated the two BOOST
to BOOST	prescribed exercises, and	into pre-established exercise	pre-established exercise routine.RC	flexion exercises into his pre-
exercises	anticipates that pain may initially	routine. RC has modified his	spends around 10-20 minutes every	exisiting exercise routine. He
	be exacerbated: "Yes, I mean this	existing exercise regime to	day doing a mixture of his own and	continues to engage in this routine
	time with the help of [hospital] if	include some of the BOOST	BOOST exercises: "0-20 minutes,	on a regular basis (5/week), both
	they can show me the right type of	exercises: "I was doing quite a	depending on some days I'm not	as a form of symptom
	exercises to do then I will be very	few exercises and they said,	feeling well and I do just about 10	management, and prevention of
	happy with that and I will try and	'Don't do any of these things, just	minutes. And the day I'm feeling good	symptom progression to the need
	do that I am very open, in fact I	concentrate on these two things	I do up to 20 minutes."	for surgery (Quote - Interview 2:2).
	would love that some	that we are telling you to do.' So		
	physiotherapist can sort of say to	I said, 'Okay, I will do it.' Then I		
	me, 'Look, do these exercises',	felt good, and then the pain		
	although it may be painful for a	came back, and they said, 'Rest',		
	little while and it might improve,	so I rested. And then, you know,		
	as long as it's a gradual build-up	it got better. But then I started		
	and not make me totally, you	doing my own exercises which I		
	know, I would really love that."	was doing previously, and since		
		then I'm still feeling good at the		
		moment".		
		2. Will continue to use as a form		
		of symptom improvementRC		
		continues to maintain a regular		
		exercise routine, incorporating		
		some of the BOOST exercises, as		
		it may prevent the need for		
		surgery: "I will definitely keep it		
		up; I cannot afford not to do it.		
		Because I'm feeling a bit better		
		than before, and I'm determined		
		to keep it. Because I don't		
		necessarily want to go the		
		surgery route, and if this is		
		helping me I'm going to continue		
		with it, no matter what		
		happens."		

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Content of	Education:	1. Nothing new.	No information.	RC found the BOOST treatment
BOOST	1.1. What exercises are	RC found the BOOST		was routine and did not provide
intervention	appropriate: RC is hoping to be	physiotherapy was no different		him with sufficient information or
	provided information on which	to previous physiotherapy: "To		exercises for self-managing his
	exercises are best to manage his	be honest, I don't think it was		condition (Quote - Interview 2: 3).
	conditions: "Yes, I would like a	any different from anywhere else		
	physiotherapist to say, 'Look, this is	would It wasn't any different		
	the problem. Do it this way, and do	to going to any other		
	it that way'. Or even on walking or	physiotherapy or anything like		
	even on standing."	that."		
	1.2. Why these exercises are	2. Insufficient treatment.		
	appropriate: RC would like to be	RC did not consider the sessions		
	educated about the exercises on	as sufficient treatment for his		
	the biomechanics of how the	condition: "But as far as going		
	exercises are helping to manage	there, I only had a couple of		
	his condition: how to best manage	sessions with them and that's		
	his condition: RC is a 'curious'	about it really; it wasn't any		
	person, and would also like to	proper sort of treatment or		
	receive information on his	guidance or anything like that."		
	condition and exercises, such as			
	which specific muscles each	3. Insufficient prescription.		
	exercise is targeting: "By doing this	RC felt the treatment was lacking		
	which muscle is going to get better	in both content and follow-up:		
	and which not".	"Whether it was enough or not, I		
		don't know. I don't think so, to be		
		honest, no, there wasn't enough		
		exercises or follow-up or		
		anything like that."		

Category	Interview 1	Interview 2	Interview 3	LONGITUDINAL SUMMARY
Effectiveness	1. Unsure but open mind	1. Unsure if pain improvement is	1. Unsure if pain improvement is	RC is unsure if improvements in
of BOOST	RC is unsure how effective	BOOST-related	BOOST-related.	pain and walking are related to the
exercises	exercises will be due to past	Although RC has noticed an	While RC has noted some symptom	BOOST treatment (Quote -
	experience of PT, but is open to	improvement in his pain, he	improvement since joining BOOST, he	Interview3: 1). As such, he does
	trying them: <i>"I keep an open mind.</i>	repeatedly emphasised that he is	is unsure whether it is due to	not see the use of further
	I don't want to say that I'm 100%	unsure if this is related to the	treatment received as part of the	physiotherpay for treatment of his
	confident because I've gone	exercises or not: Quote 1: "It has	study: "Whether those two exercises	condition, and will look to other
	through that cycle kind of thing in	improved, I cannot deny that.	have helped, because I must have had	avenues instead, such as massage
	lots of different walks of life, you	What I would like to emphasise is	a pinched nerve somewhere and it	(Quote - Inerview 3: 2).
	know, so I can't be sure until I have	whether it is because of the	was released or something, I don't	
	tried it out. But I definitely would	session that I had with them or it	know. But it has made a difference,	
	like to give it a proper trial and see	just has happened because	whether it is because of the BOOST	
	what happens and if it helps then	something has gone right, or	trial or whatever I am not 100% sure."	
	wonderful."	altered that pressure, the nerve		
		was pressured or whatever, that	2. Further PT will not be effective	
		somehow or the other has been	Although his walking has improved	
		released at the moment, or that's	since beginning BOOST, RC does not	
		what I feel."	see the potential for further	
			improving through physiotherapy:	
		Quote 2: "But as far as the	"But as far as the exercises are	
		physical exercises and everything	concerned, I don't think that the	
		else is concerned, apart from just	physiotherapist can do much more."	
		one exercise [forward flexion] I	He will pursue other options instead:	
		don't know whether BOOST has	"Some sort of massaging. Or people	
		helped any further with that or	have mentioned, you know the	
		not."	chiropractic's and people who	
			manipulate muscles and things like	
			that. That sort, and some sort of	
			massaging along the back spine, and	
			things like that."	