



Health in the West Midlands: The Hill Study

Version 1.1, dated 10-Oct-2017

IRAS no: 233714

Sponsor code no: RG-0255-17



The aim of this questionnaire is to find out about your health and how it impacts on activities of daily life. The answers you give in the questionnaire will be treated in the strictest confidence.

Please answer even if you have no problems with your health.

Please answer all of the questions unless the instructions ask you to do something else.

Please write in **BLACK PEN** and **BLOCK CAPITALS** where appropriate.

Most of the questions can be answered by putting a cross in a box like this:

For example: How confident are you at completing forms by yourself?



Verv Not confident confident 10 0

When you have finished please check that you have answered all of the questions and then return the questionnaire in the pre-paid envelope enclosed. You do not need a stamp. Please return the completed questionnaire within the next three weeks.

More details about this study are available in the Participant Information Sheet enclosed.

If you would like further information about this study, please contact the Hill Study co-ordinator on 01782 734721.

Thank you for your help with this research study.



SECTION A: YOUR GENERAL HEALTH

PA	RT	1

We are interested in your general health. Under each heading, please cross the ONE

box that best describes your health TODAY
a. MOBILITY
I have no problems in walking about
I have slight problems in walking about
I have moderate problems in walking about
I have severe problems in walking about
I am unable to walk about
b. SELF-CARE
I have no problems washing or dressing myself
I have slight problems washing or dressing myself
I have moderate problems washing or dressing myself
I have severe problems washing or dressing myself
I am unable to wash or dress myself
c. USUAL ACTIVITIES (e.g. work, study, housework, family or leisure activities)
I have no problems doing my usual activities
I have slight problems doing my usual activities
I have moderate problems doing my usual activities
I have severe problems doing my usual activities
I am unable to do my usual activities
d. PAIN / DISCOMFORT
I have no pain or discomfort
I have slight pain or discomfort
I have moderate pain or discomfort
I have severe pain or discomfort
I have extreme pain or discomfort
e. ANXIETY / DEPRESSION
I am not anxious or depressed
I am slightly anxious or depressed
I am moderately anxious or depressed
I am severely anxious or depressed
I am extremely anxious or depressed



The best health you can imagine

We would like to know how good or bad your health is TODAY.

- This scale is numbered from 0 to 100.
- 100 means the <u>best</u> health you can imagine.
 0 means the <u>worst</u> health you can imagine.
- Mark an X on the scale to indicate how your health is TODAY.
- Now, please write the number you marked on the scale in the box below.

	YOUR HEALTH TODAY =			-
--	---------------------	--	--	---

The worst health you can imagine

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PART 2

These questions are about PAIN.	Please complete each of the following questions even if
you have not suffered pain.	

		Never	Some days	Most days	day
1.	In the past 6 months, how often did you have pain?				
2.	Over the past 6 months , how often did pain limit your life or work activities?				

These questions are about HOW OFTEN you have had pain in different parts of the body in the last 6 months. Please complete each of the following questions even if you have not suffered pain in any of these areas.

3. On how many days in the last 6 months have you had.....? (For each pain, please put a cross in one box)

	Never	Some days	Most days	Every day
a. Headache				
b. Neck pain	🔲			
c. Shoulder pain				
d. Hand / wrist pain				
e. Chest pain				
f. Stomach pain	🔲			
g. Back pain	🔲			
h. Hip pain	🔲			
i. Knee pain				
i. Foot / ankle pain				



These next questions are about pain in the PAST 2 WEEKS.

4. In the past 2 weeks, on average, how intense were each of these pains rated on a 0-10 scale where 0 is "no pain" and 10 is "pain as bad as could be"? (That is, your usual pain at times you were experiencing pain.)

For each pain, please put a cross in one box. For pains that do not apply to you please put a cross in box 0 to indicate No Pain.

	No pain										as bad ould be
	0	1	2	3	4	5	6	7	8	9	10
a. Headache											
b. Neck pain											
c. Shoulder pain											
d. Hand / wrist pain											
e. Chest pain											
f. Stomach pain											
g. Back pain											
h. Hip pain											
i. Knee pain											
j. Foot / ankle pain		П	П		П	П				\Box	П

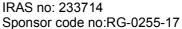




These questions are about any **joint**, **back**, **neck**, **bone and muscle symptoms** such as aches, pains and / or stiffness that you may have. Please complete each of the following questions **even if you have not suffered pain in any of these areas**.

For each question **cross (X) one box** to indicate which statement best describes you **over the last 2 weeks.**

over the last 2 weeks.					
5. Pain / stiffness during the day How severe was your usual joint or muscle pain and / or stiffness overall during the day in the last 2 weeks?	Not at all	Slightly	Moderately	Fairly severe	Very severe
6. Pain / stiffness during the night How severe was your usual joint or muscle pain and / or stiffness overall during the night in the last 2 weeks?	Not at all	Slightly	Moderately	Fairly severe	Very severe
7. Walking How much have your symptoms interfered with your ability to walk in the last 2 weeks?	Not at all	Slightly	Moderately	Severely	Unable to walk
8. Washing / Dressing How much have your symptoms interfered with your ability to wash or dress yourself in the last 2 weeks?	Not at all	Slightly	Moderately	Severely	Unable to wash or dress myself
9. Physical activity levels How much has it been a problem for you to do physical activities (e.g. going for a walk or jogging) to the level you want because of your joint or muscle symptoms in the last 2 weeks?	Not at all	Slightly	Moderately	_	Unable to do physical activities
10. Work / daily routine How much have your joint or muscle symptoms interfered with your work or daily routine in the last 2 weeks (including work & jobs around the house)?	Not at all	Slightly	Moderately:	Severely	Extremely





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11. Social activities and hobbies How much have your joint or muscle symptoms interfered with your social activities and hobbies in the last 2 weeks due to joint pain?	Not at all	Slightly	Moderately	Severely	Extremely
12. Needing help How often have you needed help from other (including family, friends or carers) because of your joint or muscle symptoms in the last weeks?		Rarely	Sometimes	Frequently	y All the time
13. Sleep How often have you had trouble with either falling asleep or staying asleep because of your joint or muscle symptoms in the last 2 weeks?	Not at all	Rarely	Sometimes	Frequent	ly Every night
14. Fatigue or low energy How much fatigue or low energy have you felt in the last 2 weeks?	Not at all	Slight	Moderate	Severe	Extreme
15. Emotional well-being How much have you felt anxious or low in your mood because of your joint or muscle symptoms in the last 2 weeks?	Not at all	Slightly	Moderately	Severely	Extremely
16. Understanding of your condition and any current treatment Thinking about your joint or muscle symptoms, how well do you feel you understand your condition and any current treatment (including your diagnosis and medication)?	Completely	Very well	Moderately	Slightly	Not at all





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ma Ho ab syl 2 v	anage yo ow confid le to mar mptoms l	our sympto ent have yo nage your jo by yourself	ou felt in being oint or muscle	Extrem	nely	Very	Moderately	Slightly	Not at all
Ho sy	w much	bothered y	joint or muscle ou overall in the	Not at a	all	Slightly	Moderately	Very much	Extremely
In ac wa	the past tivity, whi alking or o	ich was end cycling for I	levels how many days ough to raise you recreation or to g t is part of your j	ur heart rate get to and fr	e? T	his may ir	nclude sport, e	exercise a	nd brisk
N	lone 	1 day	2 days	3 days	4 da	ays 5 -	days 6	days	7 days
20). Previo	ous injury a	and family histo	ory			Yes	No N	ot sure
a. Have you ever injured your hip(s) or knee(s) badly enough to see a doctor about it?									
b.	Have eit hip?	ther or both	of your biologic	al parents I	orok	en their			
C.	•	ho have ha	lood relatives (fa ad a hip replace						



PART 3

These questions are about how you may manage your pain.

1. In the last month, have you bought any of the following medicines for your pain from the pharmacy or supermarket that were not prescribed by a doctor.

(Please cross one box for each)

		Yes	No
	a. Paracetamol	🔲	
	b. Anti-inflammatory tablets (e.g. Ibuprofen, Naproxen)		
	c. Co-codamol	🔲	
	d. Glucosamine / Chrondroitin sulphate	🗆	
	e. Anti-inflammatory creams, gels, rub-ons, sprays (e.g. Emugel, Feldene, Ibuleve, Movelat, Traxam)	🔲	
2.	In the last 6 months, have you seen any of these health care prof	essionals	
	for your pains.		
	for your pains.	Yes	No
	a. Consultant / hospital specialist		
		🗆	
	a. Consultant / hospital specialist	🗆	
	a. Consultant / hospital specialistb. Physiotherapist	🗆	
	a. Consultant / hospital specialist b. Physiotherapist c. Hospital nurse		
	a. Consultant / hospital specialist b. Physiotherapist c. Hospital nurse d. Chiropractor OR Osteopath		



		1 -

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	We would like to know if you have any other			roblems.			
	For each question, please put a cross in Do you have high blood pressure?				Yes	No	Not sure
						Ш	
2.	Have you received blood pressure treatm	ent?					
3.	Do you suffer from diabetes?						
4.	Do you have a chronic kidney disease?						
5.	Have you suffered from atrial fibrillation?.						
6.	Do you have rheumatoid arthritis?						
7.	Have you ever suffered from cardiovascu	ılar di	isease	e?			
	Does a close relative under 60 suffer from disease?						
9.	Have you been diagnosed / told by a doc osteoarthritis ('wear and tear' arthritis)?		-				
10	. Please respond by putting a cross in or				_		
		N	lever	Rarely	Sometim	es Usually	Always
	I have trouble doing all of my regular leisure activities with others						
	b. I have trouble doing all of the family activities that I want to do						
	c. I have trouble doing all of my usual wo (include work at home)	ork					
	d. I have trouble doing all of the activities with friends that I want to do	8					
11	. Please respond by putting a cross in or	ne bo	ox for	each quest	ion.		
а		With any diffic	<i>'</i>	With a little difficulty	With some difficulty	With much difficulty	Unable to do
b	. Are you able to go up and down stairs a a normal pace?	t					
С	. Are you able to go for a walk of at least 15 minutes?						
d	. Are you able to get out and about or go shopping?						
e	. Are you able to open jars that have never been opened? HILL study v1.1 10 Oct 2017		11			: 233714 code no:RG-0	0255-17



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12. Thinking back over the past 4 weeks, did you (Please put a cross in one box on each line		Not at all	On some nights	On most nights
a. Have trouble falling asleep				
b. Wake up several times per night				
c. Have trouble staying asleep				
d. Wake up after your usual amount of sleep fee and worn out	_			
13. In the past 7 days (Please put a cross in one box on each line		#10 O	hat Osita	.,
	ot at A li		hat Quite a bit	Very much
a. My mind has been as sharp as usualL				
b. My memory has been as good as usual[
c. My thinking has been as fast as usual [
d. I have been able to keep track of what I am doing, even if I am interrupted				
14. Do you have any of the following? (Cross all	the boxes	that apply)		
Home computer (including laptops)) [Tablet comp	outer	
Smartphone		Mobile phor	ie	
None of the above (Please go to qu	uestion 17).			
15. Do you have health apps on your phone, table	et or compute	er?	Yes	No
			Yes	No

16. In the previous month, have you searched the internet for information to improve your health (for example, used www.nhs.uk or NHS choices)?



17.	7. These are questions about how it is for you to find, understand and use information related to health, illness and medical care and support you may receive from others. Place a cross in the box on each line that best matches your answer.								
Н	low easy / difficult is it for you to	Very	Easy	Difficult	Very				

H	low easy / difficult is it for you to	Very easy	Easy	Difficult	Very difficu	
a.	Judge when you need to get a second opinion from another doctor?					
b.	Use information the doctor gives you to make decisions about your illness?					
C.	Find information on how to manage mental health problems such as stress and depression?					
d.	Judge if the information on health risks in the media is reliable (e.g. from TV or internet)?					
e.	Find out about activities that are good for your mental well-being (e.g. meditation, exercise and walking)?					
f.	Understand information in the media on how to get healthier (e.g. from the internet, daily or weekly magazines)?					
g.	How often do you need to have someone help you when you read instructions, pamphlets, or other written material from your doctor or pharmacy?	Never	Rarely	Sometimes	Often	Always
h.	I have someone who will listen to me when I need to talk					
i.	I have someone to confide in or talk to about myself or my problems					
j.	I have someone who makes me feel appreciated					
k.	I have someone to talk with when I have a bad day					



PART 5

The following questions are about how you feel at the moment. Please read each item and put a cross in the box of the reply that comes closest to how you have been feeling **in the past week.** Don't take too long over your replies: your immediate reaction to each item will usually be more accurate than a long thought out response.

		and the second s		
1.	I feel tense or 'wound	d up':		
	Most of the time	A lot of the time	From time to time, occasionally	Not at all
2.	I still enjoy the things	s I used to enjoy:		
	Definitely as much	Not quite as much	Only a little	Hardly at all
3.	I get a sort of frighter	ned feeling as if something	awful is about to happen:	
	Very definitely and quite badly	Yes, but not too badly	A little, but it doesn't worry me	Not at all
4.	I can laugh and see As much as I always could	the funny side of things: Not quite so much now	Definitely not so much now	Not at all
5.	Worrying thoughts g	o through my mind:		
	A great deal of the time	A lot of the time	Not too often	Very little
6.	I feel cheerful:			
	Never	Not often	Sometimes	Most of the time
7.	I can sit at ease and	feel relaxed:		
	Definitely	Usually	Not often	Not at all



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8. I feel as if I am slo	wed down:			
Nearly all the time	Very often	Sometimes	Not at all	
9. I get a sort of frig	htened feeling like 'butterflie	es' in my stomach:		
Not at all	Occasionally	Quite often	Very often	
10. I have lost interes	t in my appearance:			
Definitely	I don't take as much care as I should	I may not take quite as much care	I take just as much care as ever	
11. I feel restless as	if I have to be on the move:			
Very much indeed	Quite a lot	Not very much	Not at all	
12. I look forward with	h enjoyment to things:			
As much as I ever did	Rather less than I used to	Definitely less than I used to	Hardly at all	
		Ш		
13. I get sudden feel	lings of panic:			
Very often indeed	Quite often	Not very often	Not at all	
14. I can enjoy a goo	d book or radio or televisior	n programme:		

Very seldom

Sometimes

Often

Not often



		_
		"

	SECTION B: LIFESTYLE
1.	What is your weight? st lbs or kgs
2.	What is your height? ft in or cms
3.	Thinking about your weight, in the past 12 months have you lost more than 10 pounds (4.5kg) unintentionally (i.e. without dieting or exercise)? (please put a cross in one box only)
4.	Pick the description that matches you best (please put a cross in one box only)
	I have never smoked
	I am a former smoker (last smoked more than 12 months ago)
	I am a current smoker or I smoked regularly in the last 12 months
	and I smoke
	6-10 cigarettes / day
	11-15 cigarettes / day
	16-20 cigarettes / day
	More than 20 cigarettes / day
	Currently I have in Never using the past
5.	Have you ever used e-cigarettes? (Please put a cross in one box only)
6.	Over the past 12 months, what has been your typical exposure to other people's tobacco smoke? (Please put a cross in one box only)
	Less than 1 hour of exposure per week or no exposure
	One or more hours of second-hand smoke exposure per week
7.	About how often do you drink alcohol? (Please put a cross in one box only)
	Daily or 3 or 4 Once or 1 to 3 Special almost times twice a times a occasions Never
	daily a week week month only
	Please go to question 10 .

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8.	In an average week how many		Number	
a.	regular (175ml) glasses of wine would you (there are roughly four regular glasses in an			
b.	pints of beer or cider would you drink? (includes bitter, lager, stout, ale, Guinness)			
C.	single measures (25ml) of spirits or liqued you drink? (includes drinks such as whisky,			
9.	Compared to 10 years ago, do you drink			
M	lore nowadays About the same	Less nowadays	Don't know	
10.	Please tell us about the food you eat.			Number
a.	How many portions of fruit did you eat yes including fresh, frozen, tinned fruit, stewed f	• `		
b.	How many portions of vegetables did you fresh, frozen, raw or tinned vegetables, but			
C.	How many salty foods or snacks did you e	eat yesterday?		
d.	How many sugary snacks or drinks did yo	ou eat or drink yesterday	?	
e.	How many portions of fish do you eat in an	average week?		
f.	How many times do you eat deep fried food average week?	ds or snacks or fast foo	ds in an	
11.	Please tell us the type and amount of phy (Please cross one box only).	sical activity involved in	your work.	
a.	I am not in employment (e.g. retired, retired full-time carer etc.)	on health reasons, unem	ployed,	
b.	I spend most of my time at work sitting (suc	h as in an office)		
C.	I spend most of my time at work standing or not require much intense physical effort (e.g security guard, childminder, etc.)			
d.	My work involves definite physical effort incl and use of tools (e.g. plumber, electrician, of gardener, postal delivery worker, etc.)	•	•	

e. My work involves vigorous physical activity including handling of very heavy

objects (e.g. scaffolder, construction worker, refuse collector, etc.)



12.	During the last week, how many hours did you spend on each of the following?
	(Please answer whether you are in employment or not)

	•			•		
			None	Some but less than 1 hour	1 hour but less than 3 hours	
a.	Physical exercise such as swimming, jogging, aerobics, football, tennis, gyr workout etc.	n				
b.	Cycling, including cycling to work and during leisure time					
C.	Walking, including walk to work, shop for pleasure etc.	ping,				
d.	Housework / Childcare					
e.	Gardening / DIY					
13	13. Below is a list of ways you might have <u>felt or behaved</u> - please tell us how often you have felt this way during the <u>past 7 days</u> including today (Please cross one box per question only)					
		Rarely or none of the time (less thar one day)	Som a littl the t	le of ime mo lays) am th	easionally or a oderate ount of e time 4 days)	Most or all of the time (5-7 days)
a.	I felt that everything I did was an effor	t 🗆				
b.	I could not get "going"					
14	1. How would you describe your usua	l walking pa	ace? (Ple	ease cross o	one box only	<i>(</i>)
(i.€	Slow pace Steady average steas than 3 mph)	e pace	Brisk pa	ce	Fast pac	
•						, ,
1	5. Have you had any falls in the past (Please put a cross in one box or		?			
	☐ No falls ☐ One	fall		More than	one fall	

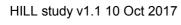


SECTION C:	SECTION C: ABOUT YOU AND YOUR CIRCUMSTANCES							
	ontains general ructions and ans	•	•	your circumstan evant to you.	ces. Please	9		
1. What is y	our date of birth	?	//					
(For example -	if you were bor	n on the 5th of	June 1936, thi	s would be enter	red as 05/06	5/36)		
2. Are you:		Female	Male					
•	3. What is your ethnic group? (Please put a cross in one box only)							
Whit	e	Bla	ack-Caribbean	Black-	African			
Blac	k-Other	☐ Inc	dian	Pakista	ani			
Bang	gladeshi	Cr	ninese					
Othe	er (please specif	у)						
4. How old v	vere you when yo	ou left school?		years old	es No			
5. Did you g	go on from schoo	ol to full-time e	ducation or uni	versity? [
6. Do you h	ave any of the fo	ollowing qualifi	cations? <i>(Cros</i>	ss all boxes tha	t apply)			
a) O Level	s / GCSEs (or e	quivalents)	b) A Lev	els (or equivaler	nts)			
,	nal training certil I Guilds, NVQ)	icate(s) (e.g.	d) Unive	rsity degree(s) o	r HND			
, .	orofessional qua accountancy, lav							
•	our current mari ut a cross in or							
Married	Separated	Divorced	Widowed	Cohabiting	Single			



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8. Thinking about the describes your situ	cost of living as it aff ation. <i>(Please put a</i>				iptions bes	t
Find it a strain to get by from week to	Have to be careful with money		manage wituch difficulty		Quite com	fortably off
week						
9. How often have yo	u felt work or home li	ife stress i	n the last ye	ar?		
Never	Some periods	Severa	periods of	stress	Permane	nt stress
	scale to put a cross in ee or agree with each	of the sta	tements.	itement t	o indicate h	iow
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree
I tend to bounce bac hard times						
 b. I have a hard time n stressful events 	naking it through					
c. It does not take me from a stressful eve						
d. It is hard for me to s something bad happ	-					
e. I usually come throu with little trouble	igh difficult times					
f. I tend to take a long set-backs in my life	time to get over					
11. What is your curre (<i>Please put a cro</i>	ent employment statu oss in one box only					
In paid Unable to employment work or self- because of	Unemploy / Retired seeking	ed Look after h and	ome unpa	oing aid or Intary	Full or part- time	Other

student



sickness or

disability

employed

family

work

work



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12.	If you are working what is your job title? (examples - factory worker, welder, office w	vorker, lawyer)						
13.	If you provided a job title in the question abplease state in which field of employment the (examples - manufacturing, civil service, he	in which field of employment this is						
14.	14. If you are not working or retired what job have you done for most of your working life? (examples - factory worker, welder, office worker, lawyer)							
15.	If you provided a job title in the question at please state in which field of employment t (examples - manufacturing, civil service, he	his was						
16.	Do you look after, or give any help or support others because of either:- long-term physic problems related Do not count anything you do as part of pa	ical or mental ed to old age?	ill-health / di	sability? es,				
Thes	e questions are about your current work.	f you are not wo	orking, please	go to SECTION D).			
17.	How would you best describe your typical	working week	in the last 12	2 months?				
	Working full-time (30 hours or more per week)		Vorking part-t nours or less เ					
18	. How satisfied are you with your employme	nt?						
	Very Satisfied No satisfied [•	ot very atisfied	Not at all satisfied				



<u>he</u>	uring the ealth pro	blems?	? Includ	de hour	s you n	nissed d						
				[hours						
	uring the her reas	•		•			•					any
				[hours						
21 . Du	uring the	e past s	seven da	ays, ho	w man <u>y</u>	y hours	did you	ı actuall	ly work?	?		
						hours						
	iring the				w much	n did yo	ur healt	h probl	ems aff	ect you	r produ	ctivity
ac us hig		hed les lealth p ler if he	s than y roblems alth pro	you wo s affect oblems	uld like, ed your affecte	or day work o d your v	s you co only a lit	ould no tle, cho	t do you ose a lo	ır work	as care	rs you efully as thoose a
		(Conside pr			ıch <u>hea</u> e you w			ffected			
Health	0	1	2	3	4	5	6	7	8	9	10	Health
problem had no effect or my work	L I											problems completely prevented me from

working



23. Please describe your work experiences in the past month. These experiences may be affected by many environmental as well as personal factors, and may change from time to time. For each of the following statements, please cross one of the following responses to show your agreement or disagreement with this statement in describing *your* work experiences in the past month.

		Strongly disagree	Somewhat disagree	Uncertain	Agree	Somewhat agree
a.	Because of problems with my health, the stresses of my job were much harder to handle.					
b.	Despite having problems with my health, I was able to finish hard tasks in my work.					
C.	A health problem distracted me from taking pleasure in my work.					
d.	I felt hopeless about finishing certain work tasks, due to problems with my health.					
e.	At work, I was able to focus on achieving my goals despite health problems.					
	Despite having health problems, I felt energetic enough to complete all my work.					

24. When you have difficulties at work, how often do you get help and support from your colleagues, supervisor or manager?

(Please put a cross in one box only)

Often	Sometimes	Rarely / never	Not applicable (work alone)



OB Logged
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Quality Checked



SECTION D: CONTINUING TO HELP WITH THIS STUDY

Thank you very much for completing this questionnaire.

Please ensure that you have read the enclosed Participant Information Sheet (**version 1.1 dated 10-Oct-2017**) that explains about the study.

By completing and returning this questionnaire, you confirm that you have read and understood the Participant Information Sheet and are willing to take part in the study.

You can withdraw from the study at any time, and this will not affect the care you receive in any way.

Consent form

As well as completing this questionnaire, we would like your permission to review your medical records held by your GP. More details on this can be found in the Participant Information Sheet.

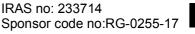
Please read and complete the following consent form, and then sign below. Please answer each statement by putting a cross in the box on each line.

riease allswei ea	scir statement by putting a cross in th	e box on each line.	Yes	No
I give my permissi	on for my medical records to be reviewe	ed for this study		
	contacted about future research studies future - you are just agreeing to be conta			
	name and address:	Date:		
	Forename:			
	Town/C	Dity:		
County:		Postcode:		

Even if you would prefer us not to review your medical records the answers you have given in this questionnaire will still be very important to us.

Please return your questionnaire in the pre-paid envelope provided (no stamp needed)

Thank you for your help with this research study





For Office Use Only:	
Logged 1	DB Logged