

The health benefits of volunteering at a free, weekly, 5 km event in the UK: a cross-sectional study of volunteers at parkrun

HAAKE, Steve http://orcid.org/0000-0003-2716-4681 and BULLAS, Alice http://orcid.org/0000-0003-2857-4236

Available from Sheffield Hallam University Research Archive (SHURA) at:

https://shura.shu.ac.uk/29821/

This document is the Supplemental Material

Citation:

HAAKE, Steve, QUIRK, Helen and BULLAS, Alice (2022). The health benefits of volunteering at a free, weekly, 5 km event in the UK: a cross-sectional study of volunteers at parkrun. PLOS Global Public Health, 2 (2). [Article]

Copyright and re-use policy

See http://shura.shu.ac.uk/information.html

UK Survey - parkrun health and wellbeing survey

Start of Block: Default Block





Q2 **parkrun health & wellbeing survey** You are invited to take part in the parkrun health and wellbeing survey. In this survey, parkrun and Sheffield Hallam University are asking about your health and wellbeing to better understand the benefits of taking part in 5k parkrun events.

This survey will take around 10 minutes to complete, but take as much time as you need. You will be asked a range of questions about your health and wellbeing. If required, you can ask someone to complete it on your behalf. You can choose not to answer some questions by moving onto the next question. Compulsory questions are marked with an asterisk *.

Taking part in this survey is your choice. If you decide to take part, you may leave the survey at any time, but your answers will be saved unless you request to withdraw them.

By completing this survey you agree for us to access your parkrun registration details and parkrun data. All your parkrun data and answers to this survey will be anonymised.

Please click here to read the full participant information sheet.

For questions or concerns about this survey, or to request an alternative digital format, please contact the research team: parkrunHWBSurvey@shu.ac.uk

Giving consent to take part in this survey

I have read (or someone has read to me) this information and the participant information sheet, and I understand that I am being asked to complete a survey about my health and wellbeing. I am aware that I may be contacted again by Sheffield Hallam University or parkrun. I consent to my registration details being used and understand that none of my data will be used or shared in a way that can identify me personally. I agree for my anonymised parkrun data to be used for research purposes. I voluntarily agree to take part.

\bigcirc	l consent t	to participat	e in this stu	ıdy	
0	I DO NOT	consent to	participate	in this	study

Skip To: End of Survey If The parkrun health and wellbeing surveyYou are invited to take part in the parkrun health and well = I DO NOT consent to participate in this study

Q3 About you	
O * First Name:	
O * Last Name:	
Q4 * Date of birth	
Q5 <u>parkrun ID</u> Please insert your parkrun ID, if you know it (please enter the number after A on barcode - do not include the letter A).	your parkrun
Q6 * Home parkrun	
Complete list of UK parkruns (incl. junior parkruns).	

Q7

Employment status

Which of the following best describes your current employment status?

O Full-time paid employment
O Part-time paid employment
O Full-time home maker
Employed, but currently on sick leave
Employed, but currently on maternity/paternity leave
○ Self-employed
O Unemployed and not working
O Fully retired
O Retired, but still in paid employment
O Student
Other
○ I'd rather not say

Q8 <u>Ethnicity</u> Which of the following best describes your ethnicity?
White: English/Welsh/Scottish/Northern Irish/British
○ White: Irish
White: Irish Traveller
Other White background
White and Black Caribbean
White and Black African
White and Asian
Other Mixed/Multiple ethnic background
○ Indian
○ Pakistani
○ Bangladeshi
Chinese
Other Asian background
African
O Caribbean
Other Black/African/Caribbean background
Arab
Other ethnic group
○ I'd rather not say

Q9 * **Health condition, disability or illness** Are your day-to-day activities limited because of a health condition or disability which has lasted, or is expected to last, at least 12 months? Include

conditions related to old age, sensory deficits, mobility problems, developmental conditions, learning impairments and mental health.			
O Yes, limited a lot			
O Yes, limited a little			
○ No			
O Don't know or would rather not say			
Display This Question:			
If * Health condition, disability or illness Are your day-to-day activities limited because of a hea = Yes, limited a lot			
Or * Health condition, disability or illness Are your day-to-day activities limited because of a hea = Yes, limited a little			
Q10 * What is your health condition, disability or illness?			

Please select all that apply.

Hyperactiv	ADHD - Attention Deficit rity Disorder
	Alcohol or Drug Addiction
day activity	Allergies (any that limit your day-to-y)
	Alzheimer's or dementia
	Anxiety Disorder
Atrial Fibril	Arrhythmia (abnormal heart rate) or llation (irregular heart rate)
	Arthritis
	Asthma
	Autism and Asperger's
	Bipolar Disorder
question)	Cancer (please specify in next
	Carpal Tunnel Syndrome
	Chronic Migraines
	Chronic Pain
pulmonary	COPD (chronic obstructive disease) and Emphysema
angina, pe	Coronary Artery Disease (including ripheral vascular disease)
	Crohn's Disease
	Degenerative Disc Disease

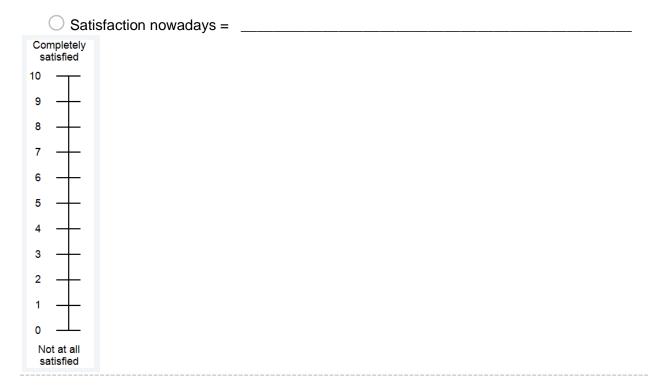
	Depression
	Disorders of the Spine
	Epilepsy or seizure disorder
	Fibromyalgia
	Gout
	Hearing loss or impairment
	Heart Failure
	Hepatitis
	High Blood Pressure (Hypertension)
	Interstitial Cystitis
	Irritable Bowel Syndrome
disease	Kidney failure or Chronic kidney
dyspraxia)	Learning disability (e.g., dyslexia,
	Liver Disease
Erythemat	Lupus, or Systemic Lupus osus (SLE)
	Lyme Disease
	Multiple Sclerosis (MS)
	Neuropathy, Peripheral Neuropathy
	Obesity

Organic B	Organic Mental Disorders (including rain Syndrome)
	Osteoporosis
	Panic Attacks
	Parkinson's Disease
(PTSD)	Post Traumatic Stress Disorder
(RSD)	Reflex Sympathetic Dystrophy
	Rheumatoid Arthritis
	Ruptured Disc
	Schizophrenia
	Scoliosis
	Sleep Apnoea
Accident)	Stroke (TIA, CVA; Cerebrovascular
	Thyroid gland disorder
	Traumatic Brain Injury (TBI)
	Type 1 Diabetes
	Type 2 Diabetes
	Ulcerative Colitis
Deep Vend Embolism)	Venous Thromboembolism (DVT; ous Thrombosis & Pulmonary

Vision loss or impairment Other (please specify in next question)		
Display This Question:		
If * What is your health condition, disability or illness? Please select all that apply. = Cancer (please specify in next question)		
Or * What is your health condition, disability or illness? Please select all that apply. = Other (please specify in next question)		
Q11 If you ticked "cancer" or "other", please specify your condition, disability or illness:		
Q12 Have you been pregnant within the last 12 months?		
○ Yes		
○ No		
O Would rather not say		
Q13 * parkrun participation Choose one option that best describes your current participation at parkrun:		
O Runner or walker only		
O Volunteer only		
Runner or walker and volunteer		
Registered but not yet participated		

Q14 * Life satisfaction & happiness Overall, how satisfied are you with your life nowadays? Where 0 is 'not at all satisfied' and 10 is 'completely satisfied'.

Please enter a number in the box below to indicate how satisfied you are with your life nowadays.



Q15 How happy did you feel yesterday?

Where 0 is 'not at all happy' and 10 is 'completely happy'.

Please enter a number in the box below to indicate how happy you felt yesterday.

Q16 **Physical activity**

We are interested in the physical activity parkrunners do as part of their everyday lives.

Over the last 4 weeks, how often have you done at least 30 minutes of moderate exercise (enough to raise your breathing rate)?

○ Less than once per week
O About once per week
O About twice per week
O About three times per week
O Four or more times per week
Rather not say/don't know

Q17 In the past week , on how many days have you done a total of 30 minutes or more of physical activity, which was enough to raise your breathing rate . This may include sport, exercise, and brisk walking or cycling for recreation or to get to and from places, but should not include housework or physical activity that may be part of your job.	
O days	
O 1 days	
O 2 days	
O 3 days	
O 4 days	
○ 5 days	
○ 6 days	
O 7 days	

Display This Question:

If * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker only

Or * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker and volunteer

Q18 Motives for running or walking at parkrun

What motivated you **to first** participate at parkrun as a runner or walker? Please tick a **maximum of 3**.

- o to improve my physical health
- o to improve my mental health
- o to improve or manage my health condition, disability or illness
- to manage my weight
- to improve my happiness
- o to meet new people
- o to spend time with friends
- to spend time with family
- o a health professional advised me to
- to compete with others
- to spend time outdoors
- o to be active in a safe environment
- o to get a recorded time for a 5k
- o my friends, family or colleagues encouraged me to
- o it was part of a 'couch to 5k' programme
- o to feel part of a community
- o to gain a sense of personal achievement
- to train for another sport/event
- to raise money for charity
- to contribute to my fitness
- Other (please specify) ___

*Answer choices are randomised	

Display This Question:

If * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker and volunteer

Or * parkrun participation Choose one option that best describes your current participation at parkrun: = Volunteer only

Q19 Motives for volunteering at parkrun

What motivated you **to first** volunteer at parkrun? Please tick a **maximum of 3**.

to improve my physical health
to improve my mental health
to improve or manage my health condition, disability or illness
to improve my happiness
to meet new people
to spend time with friends
to spend time with family
a health professional advised me to
to spend time outdoors
my friends, family or colleagues encouraged me to
it was part of a volunteering programme or course (e.g. Duke of Edinburgh)
to feel part of a community
to gain recognition for my accomplishments
to help people
to fulfil a moral duty
to work with a team of people

	to improve my CV / employability
	as a parkrunner, I felt obliged to volunteer
	to improve my confidence
	it was a good use of my time
	to develop my skills
	to gain a sense of personal achievement
	to contribute to my fitness
	Other (please specify)
	unable to walk or run (e.g. due to injury, illness or health condition)
	wanted a rest / recovery day
	to give something back to the community
*Answer choi	ces are randomised
Page Break	

Q20 He	eaitr	١
--------	-------	---

Please click the ONE box that best describes your health TODAY

MOBILITY
O 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
O I am unable to walk about
Q21 © EuroQol Research Foundation. EQ-5D™ is a trade mark of the EuroQol Research Foundation
Page Break
Q22 Please click ONE box that best describes your health TODAY 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
O I am unable to wash or dress myself
Q23 © EuroQol Research Foundation. EQ-5D™ is a trade mark of the EuroQol Research Foundation

Page Break
Q24 Please click ONE box that best describes your health TODAY 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
O I am unable to do my usual activities
Q25 © EuroQol Research Foundation. EQ-5D™ is a trade mark of the EuroQol Research Foundation
Page Break
Q26 Please click ONE box that best describes your health TODAY PAIN / DISCOMFORT
O I have no pain or discomfort
I have slight pain or discomfort
I have moderate pain or discomfort
O I have severe pain or discomfort
I have extreme pain or discomfort
Q27 © EuroQol Research Foundation. EQ-5D™ is a trade mark of the EuroQol Research Foundation
Page Break

Q28 Please click the ONE box that best describes your health TODAY

ANXIETY / DEPRESSION
O I am not anxious or depressed
O I am slightly anxious or depressed
I am moderately anxious or depressed
I am severely anxious or depressed
I am extremely anxious or depressed
Q29 © EuroQol Research Foundation. EQ-5D™ is a trade mark of the EuroQol Research Foundation
Page Break —

Q30

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

This scale is numbered from 0 to 100.

100 means the **best** health you can imagine.

0 means the worst health you can imagine.

Please enter a number in the box below to indicate how your health is TODAY.



Q31 © EuroQol Research Foundation. EQ-5D™ is a trade mark of the EuroQol Research Foundation Page Break

Q32 In the last 12 months, how many days work have you lost to sickness? (if applicable)
Q33 How many times in the last 12 months have you:
O Been in contact with your GP
Had contact with any NHS medical specialists, other than your GP
Had contact with any medical specialist outside of the NHS
O Been admitted to hospital
O Been to A&E
O Been an inpatient (the number days you have stayed in hospital while having treatment)
Page Break ————————————————————————————————————

Q34 Mental wellbeing

Below are some statements about feelings and thoughts. Please tick the box that describes your experience of each **over the last 2 weeks**.

	None of the time	Rarely	Some of the time	Often	All of the time
I've been feeling optimistic about the future	0	0	0	0	0
I've been feeling useful	0	\circ	\circ	\circ	\circ
I've been feeling relaxed	0	\circ	0	\circ	0
I've been dealing with problems well	0	\circ	0	\circ	0
l've been thinking clearly	0	\circ	0	\circ	\circ
I've been feeling close to other people	0	0	0	0	0
I've been able to make up my own mind about things	0	0	0	0	0

Page Break ———

Display This Question:

If * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker only

Or * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker and volunteer

Q35 The impact of running or walking at parkrun

Thinking about the impact of parkrun on your health and wellbeing, to what extent has running or walking at parkrun changed:

	Much worse	Worse	No impact	Better	Much better
	Wideli Worse	W013 C	No impact	Dettel	IVIUGII DELLEI
your physical health	\circ	\circ	\bigcirc	\circ	\bigcirc
your mental health	0	\circ	\circ	\circ	\circ
your ability to control your weight	0	0	0	0	0
your happiness	\circ	\circ	\circ	\circ	\circ
the number of new people you meet	0	\circ	0	\circ	0
the amount of time you spend with friends	0	0	0	0	0
the amount of time you spend with family	0	0	0	0	0
your enjoyment of competing	0	0	0	\circ	0
the amount of time you spend outdoors	0	0	0	0	0
your ability to be active in a safe environment	0	0	0	0	0
how much you feel part of a community	\circ	\circ	0	0	0
your sense of personal achievement	\circ	0	0	0	\circ

your overall lifestyle choices (e.g. diet and smoking)	0	0	0	0	0
your confidence	0	\bigcirc	\circ	\circ	\circ
your fitness	\circ	\circ	\circ	\circ	\circ
other (please specify)	0	\circ	\circ	\circ	\circ

*Answer choices are randomised

Display This Question:

If * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker and volunteer

Or * parkrun participation Choose one option that best describes your current participation at parkrun: = Volunteer only

Q36 The impact of volunteering at parkrun

Thinking about the impact of parkrun on your health and wellbeing, to what extent has volunteering at parkrun changed:

	Much worse	Worse	No impact	Better	Much better
your physical health		\circ	\circ	\circ	\circ
your mental health	0	\circ	\circ	\circ	\circ
your happiness		\circ	\circ	\bigcirc	\circ
the number of new people you meet	0	0	0	0	\circ
the amount of time you spend with friends	0	\circ	\circ	0	0
the amount of time you spend with family	0	\circ	\circ	0	0
the amount of time you spend outdoors	0	\circ	\circ	0	\circ
how much you feel part of a community	0	\circ	\circ	0	\circ
your ability to gain recognition for your accomplishments	0	0	\circ	\circ	0
your ability to help people	0	\circ	\circ	\circ	\circ
your ability to fulfil moral duties	0	\circ	\circ	\circ	\circ
your ability to work with a team of people	0	\circ	0	0	0
your CV / employability	0	\circ	\circ	\circ	\circ
your confidence	0	\circ	\circ	0	0

your skills	0	\circ	\circ	\circ	\circ		
your sense of personal achievement	0	0	0	0	\circ		
your fitness	0	\circ	\circ	\circ	\circ		
other (please specify)	0	0	0	0	\circ		
Display This Question: If * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker only Or * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker and volunteer And If * Health condition, disability or illness Are your day-to-day activities limited because of a hea = Yes, limited a lot Or * Health condition, disability or illness Are your day-to-day activities limited because of a hea = Yes, limited a little Q37 * To what extent has running or walking at parkrun changed your ability to manage your health condition, disability or illness? Much worse							
○ Worse							
○ No effect ○ Better							
O Much better							

Display This Question:
If * parkrun participation Choose one option that best describes your current participation at parkrun: = Runner or walker and volunteer
Or * parkrun participation Choose one option that best describes your current participation at parkrun: = Volunteer only
And If
* Health condition, disability or illness Are your day-to-day activities limited because of a hea = Yes, limited a lot
Or * Health condition, disability or illness Are your day-to-day activities limited because of a hea = Yes, limited a little
Q38 * To what extent has volunteering at parkrun changed your ability to manage your health condition, disability or illness?
O Much worse
○ Worse
O No effect
O Better
O Much better

Page Break -

Display This Question:

If * parkrun participation Choose one option that best describes your current participation at parkrun: != Registered but not yet participated

Q39

Social bonds and relationships

Who do you usually interact with at parkrun? i.e., those you attend and communicate with at parkrun.

Please tick all that apply.				
	Family			
	Friends			
	Spouse / Partner			
	Neighbours			
	Work colleagues			
	Members of my sports club (e.g. running or walking club)			
	Members of my non-sports club, organisation or group			
	Strangers			
	Other parkrun participants			
	I do not interact with anyone			
	Other (please specify)			
*Answer choices are randomised				

Display This Question:

If * parkrun participation Choose one option that best describes your current participation at parkrun: != Registered but not yet participated

Q40 In terms of relationships, what opportunities has parkrun opened up for you?				
Please tick al	I that apply.			
	I have met new people of a similar background			
	I have met new people of a different background			
	I feel closer to my existing friends or family			
	I feel part of my community			
	I have joined a sports club (e.g. running or walking club)			
	I have joined a non-sports club, organisation or group			
	It has made no difference to me			
	It has allowed me to spend time on my own			
	Other (please specify)			
*Answer choices are randomised				
	s anything else you would like to mention about the impact of parkrun on your ellbeing, please insert your comments here.			

Q42 * You have nearly reached the end of the survey
Are you willing to answer some more questions about your physical activity in the last 7 days?
○ Yes
○ No
Skip To: End of Survey If * You have nearly reached the end of the survey Are you willing to answer some more questions abo = No

Q43

These questions will ask you about the time you spent being physically active in the last 7 days. Please answer each question even if you do not consider yourself to be an active person.

Please think about the activities you do at work, as part of your house and yard work, to get from place to place, and in your spare time for recreation, exercise or sport.

Think about all the **vigorous activities** that you did in the last 7 days. Vigorous physical activities refer to activities that take hard physical effort and make you breathe much harder than normal. Think only about those physical activities that you did for at least 10 minutes at a time.

lifting, digging, aerobics, or fast bicycling?	
O No vigorous physical activities	
○ 1 day	
O 2 days	
◯ 3 days	
O 4 days	
○ 5 days	
○ 6 days	
○ 7 days	
Display This Question: If These questions will ask you about the time you spent being physical.! != No vigorous physical activities	y active in the last 7 days
Q44 How much time did you usually spend doing vigorous physical adays?	activities on one of those
Hours per day	
Minutes per day	
Don't know/not sure	

During the last 7 days, on how many days did you do vigorous physical activities like heavy

Q45 Think about all the **moderate** activities that you did in the **last 7 days**. **Moderate** activities refer to activities that take moderate physical effort and make you breathe somewhat harder

During the last 7 days , on how many days did you do moderate physical activities like carrying light loads, bicycling at a regular pace, or doubles tennis? Do not include walking.				
O No moder	ate physical activities			
O 1 day				
O 2 days				
O 3 days				
O 4 days				
O 5 days				
○ 6 days				
O 7 days				
Display This Quest If Think about No moderate physi	all the moderate activities that you did in the last 7 days. Moderate activities ref!=			
Q46 How much ti days?	me did you usually spend doing moderate physical activities on one of those			
Н	ours per day			
Mi	nutes per day			
Do Do	on't know/not sure			

than normal. Think only about those physical activities that you did for at least 10 minutes at a

time.

Q47 Think about the time you spent walking in the last 7 days . This includes at work and at home, walking to travel from place to place, and any other walking that you have done solely for recreation, sport, exercise, or leisure.
During the last 7 days, on how many days did you walk for at least 10 minutes at a time?
O No walking
O 1 day
O 2 days
O 3 days
O 4 days
○ 5 days
O 6 days
O 7 days
Display This Question: If Think about the time you spent walking in the last 7 days. This includes at work and at home, wa != No walking
Q48 How much time did you usually spend walking on one of those days?
Hours per day
Minutes per day

Q49

The last question is about the time you spent ${\it sitting}$ on weekdays during the ${\it last}$ 7

Don't know/not sure

time. This may include time spent sitting at a desk, visiting friends, reading, or sitting or lying down to watch television.				
During the last 7 days, how much time did you spend sitting on a week day?				
		Hours per day		
		Minutes per day		
		Don't know/not sure		

days. Include time spent at work, at home, while doing course work and during leisure

End of Block: Default Block