

Taking Part: 2011/2012 Technical Report

Appendix K – Themed Report - Developing a new set of sports participation questions for Taking Part

Introduction

This report investigates the findings of an attempt to create a new way of gathering sports participation information in the Taking Part survey. Two new questions were placed on the Taking Part survey for one quarter of fieldwork (July to September, 2011), with the intention of testing them alongside the existing detailed sports participation question module, and analysing the results to determine the extent to which they could be an adequate alternative.

Measuring sports participation in the Taking Part survey is currently a lengthy process, as in depth data is gathered on the type of activities the respondent has done, the frequency of participation and the duration and intensity of a normal session of each sport or physical activity done in the last four weeks. With interview time at a premium, there is pressure to create space in the questionnaire for other useful information, resulting in this attempt to create an equivalent measure for sports participation.

The report outlines the questions asked, identifying differences between the new, short and longer, existing question sets, the key results of the questions and differences identified with the results obtained from the two sets of questions. Recommendations are also made, based on the analysis, about how the questions could be improved upon, and what the next steps should be.

Taking Part is England's survey of culture, leisure and sport. It is a continuous, face-to-face survey with adults aged 16 and over, living in private households in England. Over the course of a year, 10,000 adults are interviewed on Taking Part, as well as approximately 1,000 children aged 11 to 15.

This experiment was conducted between July and September 2011, prior to the announcement of a new sports strategy for 14-25 year olds. As such, only adults aged 16+ were interviewed.

Contents

Introduction.....	ii
1. Introducing a new measure of sports participation	1
2. Topline results – new questions vs. old questions	4
3. What are the differences between the questions, and why?.....	12
4. How can the questions be improved?	16
5. Appendices	18

1. Introducing a new measure of sports participation

Between July and September 2011, the Taking Part survey included two short questions designed to provide an alternative measure of sports participation. The questions were asked for one quarter of the survey (totalling 2,359 respondents), with the intention of comparing the results with the existing sports participation questions, which have been asked in the same way since the survey began. Currently the sports participation section of the questionnaire is approximately six and a half minutes in length, much of which is spent determining how much sport and active recreational activity the respondent has done in the last four weeks and the last 12 months. The new questions were designed to require less interview time, and are estimated to take approximately one minute to complete.

This report analyses the latest Taking Part data (Jul-Sep 2011) to compare the short sports participation questions with the established measures of sports participation, to explore whether sports participation data can be accurately collected using the shorter question set. The report compares the results of the new questions against the key sports participation metrics, identifying areas of difference, and where the differences derive from. The report seeks to establish gaps or shortcomings in the short questions, proposing ways in which accuracy could be improved and making recommendations for the way sports participation data is collected in Taking Part in the future.

The new sports questions were placed at the end of the Taking Part interview, within the demographics section and alongside questions relating to the respondent's health. This location was decided upon as it was far enough away from the main sports participation questions to minimise the effect of already having asked the respondent about their sporting participation in the interview.

The existing sports participation questions are structured as follows (the full set of existing questions on sports participation can be found in appendix 1):

- Initial question asking the respondent if they have done any sport or active recreation in the last four weeks (yes/no)
- If answered yes, the respondent is asked, unprompted, what activities they have done during this period, followed by a showcard question listing the potential sports that they could mention (the showcard comprises 62 different activities, and the respondent can name up to three “other (specify)” activities)
- For each sport or activity that the respondent has done in the last four weeks, they are asked on how many days in the last four weeks they have done the activity, how long they usually do it for, whether it usually raises their breathing rate when they do the activity, and whether it usually makes them out of breath or sweaty
- From this battery of questions, a final question asks on how many separate days in the last four weeks the respondent has done at least one of the activities mentioned for at least 30 minutes (this may not be all of the activities they have mentioned so far, but only includes sports that they do for at least 30 minutes, at moderate intensity or greater).
- Anyone who hasn’t mentioned any sports participation in the last four weeks is asked if they have done any sporting activities in the last 12 months

This battery of questions takes on average six and a half minutes to complete (median time for the sports section). Given the pressure on interview space, the DCMS Taking Part team wanted to explore whether an accurate measure of sports participation that took less time to ask, could be devised.

The following questions were designed, to attempt to provide a summary measure of sports participation over the last year:

NEWSPORT

I want you to think about all the sport and recreational activities you did in the last 12 months, whether taking part in competition, training or

receiving tuition, socially, casually with family or friends or for health and fitness. Do not include walking unless hill walking or rambling.

Looking back over the last 12 months have you taken part in any sport or recreational physical activity?

1. Yes
2. No
- 1. Don't know

NEWSPORT1 [IF NEWSPORT = 1]

Looking back over the last 12 months which of the following statements best describes your levels of participation in sport? I have taken part in sport:

1. *At least 3 times a week for most or all of the year*
2. *At least once a week for most or all of the year*
3. *At least once a week for at least 6 months of the year*
4. *At least once a month throughout the year*
5. *Less than once a month throughout the year*
- 1. *Don't know*

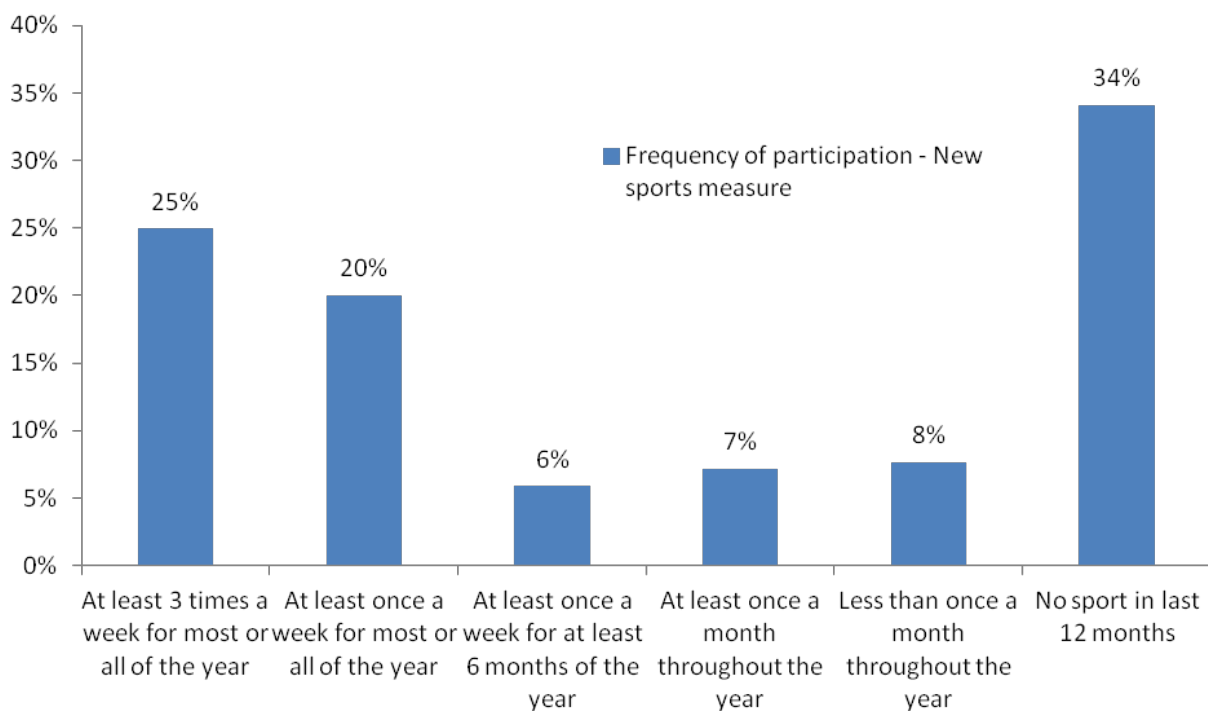
While these new questions provide a breakdown of sporting participation in varying frequencies, they do not replicate the existing measures (3x30 and 1x30) in terms of duration and intensity of activity. The existing measures only include participation of at least 30 minutes, at moderate intensity or higher.

2. Topline results – new questions vs. old questions

2.1 Key sports participation measures

Almost two-thirds of respondents (66%), claimed that they had done some sort of sports or recreational physical activity in the last 12 months, at the new, shorter sports question. At the new frequency question, 25% of respondents claimed to have taken part in sport or active physical recreation “at least three times a week for most or all of the year” – an approximation of the existing 3x30 sports participation measure. In total, 45% of respondents would meet a once a week (1x30) sports participation measure, based on responses to the new frequency question (25% having done sport “at least 3 times a week for most or all of the year, with 20% “at least once a week for most or all of the year”). Looking at once a month participation, 58% of respondents claimed to have taken part in sport “at least once a month throughout the year”.

Chart 2.1 New sports frequency question



The key measures from the existing Taking Part data, for the same period, are outlined in table 2.1 below:

Table 2.1 Key Taking Part sports participation measures

Name	Description	Result
Actsppsa	Done active sport in the last 4 weeks	59%
PSAsportsr	Achieved 3x30 moderate intensity sport sessions per week, including recreational walking and cycling	28%
Modspssa	Achieved 3x30 days of moderate intensity sport per week, including recreational walking and cycling	26%
MIS1x30allr	Achieved 1x30 moderate intensity sport sessions per week, including recreational walking and cycling	45%
Nointen1x30	Achieved 1x30 sports sessions per week, any intensity, excluding walking and cycling	40%
Nointen1x30all	Achieved 1x30 sports sessions per week, any intensity, including recreational walking and cycling	63%

Neither of the new questions that were tested contained any mention of the intensity of activities, so caution should be applied when attempting to compare their results to the existing measures where intensity is considered.

It is also a consideration that the new frequency question asks about habits for “most or all of the year”, “at least 6 months of the year” and “throughout the year”, while the existing measures in the Taking Part survey ask only about the last 28 days explicitly. As such, direct comparisons should again be treated with caution, as there are no precise “like-for-like” matches between new and existing measures.

There is no existing once a year participation measure in the Taking Part data, but for the purposes of this report, one was derived in order to compare the accuracy with which respondents were self-reporting their 12-month participation with the sports that they had actually participated in during that time.

The new frequency question can be compared to once a month measures (actsppsa), 1x30 measures, and 3x30 measures, though with varying degrees of caution based upon the intensity of activities, and the differing excluded activities of each measure (the new frequency question contains no guidance on activities that the respondent should include or exclude, referring only to "sport").

A basic comparison of existing measures versus new measures shows the following:

Table 2.2 Existing sports participation measures vs. new measures

	Existing measure	New measure	Difference
Once a year participation	73%	66%	-7%
Once a month participation	59%	58%	-1%
1x30*	40%	45%	5%
3x30**	28%	25%	-3%

*the existing measure used for comparison was nointen1x30, which has no intensity restriction, and excludes walking and cycling

**the existing measure used for comparison was PSA sportsr, which is derived from the sessions of sport mentioned by the respondent

A number of amendments were applied to the key existing measures, to allow for closer comparability with the new questions. For once a month participation, certain sports and activities were excluded from the measure. For once a week participation, cycling was added to the

measure (while walking remained excluded, in order to match the exclusions of the new question). These amendments led to the following results:

Table 2.3 Amended sports participation measures

	Amended measure	New measure	Difference
Once a month participation	56%	58%	2%
1x30	43%	45%	2%

Amending the existing sports participation measures to more closely mirror the inclusions and exclusions of the new questions, brings the results closer together. A full explanation of the amendments made to the key participation measures can be found in appendix 2. For the remainder of this report, the amended measures are used for all analysis where possible.

2.2 12-month participation

When looking at the initial 12 month participation question, in comparison to existing measures, it is possible to identify where there is an overlap, and where some inconsistencies occur.

Table 2.4 12-month comparison

New measures	Done sport in last 12 months	
	Count	%
Taken part in sport or active physical recreation in last 12 months	1,339	85%
Not taken part in sport or active physical recreation in last 12 months	248	15%

As table 2.4 shows, 15% of those who had done sport in the last 12 months, according to their answers to the existing sports participation

questions, claimed not to have done sport in the last 12 months at the new, shorter participation questions.

It is also possible to look at the accuracy of self-reporting based on those who had done sport in the last four weeks. Table 2.5 shows that there are still some inconsistencies, with respondents who have in fact participated in sport as recently as the last four weeks, claiming not to have done any in the 12 months.

Table 2.5 Active sport comparison

New measures	Done active sport in last 4 weeks (amended measure)	
	Count	%
Taken part in sport or active physical recreation in last 12 months	1,062	88%
Not taken part in sport or active physical recreation in last 12 months	140	12%

88% of respondents who met the existing active sport measure (doing active sport, to any intensity, in the last 4 weeks), stated that they had taken part in sport or active physical recreation in the last 12 months, at the new question. 12% of respondents however, met the active sport measure based on their answers to the existing sports participation questions, but when asked, stated that they had not done any active physical recreation in the last 12 months. This group will be considered more closely in section 3.1.

2.3 Once a month participation

Looking at the new sports frequency measure provides a closer comparison with the existing active sport variable. The cells highlighted in green in table 2.6 (below), indicate respondents whose response to the new sports frequency question was consistent with their participation as reported in the detailed questions:

Table 2.6 Once a month comparison

New measures	Done active sport in last 4 weeks (amended measure)	
	Count	%
Taken part in sport at least 3 times a week for most or all of the year	481	45%
Taken part in sport at least once a week for most or all of the year	370	33%
Taken part in sport at least once a week for at least 6 months of the year	69	7%
Taken part in sport at least once a month throughout the year	85	10%
Taken part in sport less than once a month throughout the year	54	5%

From this we can see that 95% of those who met the existing active sport measure (done active sport in the last 4 weeks), also claimed to have done sport at least once a month throughout the year (or more frequently) at the new frequency question. Only 5% of those who did meet the active sport measure, claimed to have done sport less than once a month throughout the year.

2.4 1x30 participation (once a week)

It is possible to make comparisons with the existing 1x30 and 3x30 measures by looking at these results and the results of the new frequency questions. Table 2.7 below indicates the overlap between 1x30 and the new measures:

Table 2.7 Once a week comparison

New measures	Achieved 1x30 per week excl. walking and cycling (amended measure)	
	Count	%
Taken part in sport at least 3 times a week for most or all of the year	428	52%
Taken part in sport at least once a week for most or all of the year	300	35%
Taken part in sport at least once a	42	5%

week for at least 6 months of the year		
Taken part in sport at least once a month throughout the year	37	6%
Taken part in sport less than once a month throughout the year	18	2%

As the table indicates, there is considerable overlap between the new measure, and the existing derived measure once again. 92% of those who had achieved 1x30 sport (with no intensity, excluding walking and cycling) in the existing measure, also stated that they had done sport at least once a week, for at least 6 months of the year (or more frequently), at the new frequency question. 8% of respondents who did meet the once a week measure based on their answers to the existing sports participation questions, claimed to have done sport less frequently than once a week.

2.5 3x30 participation (three times a week)

The 3x30 measure proved less easy to replicate, as table 2.8 indicates:

Table 2.8 3x30 comparison

New measures	Achieved 3x30 moderate intensity sport per week (existing measure)	
	Count	%
Taken part in sport at least 3 times a week for most or all of the year	354	65%
Taken part in sport at least once a week for most or all of the year	128	23%
Taken part in sport at least once a week for at least 6 months of the year	25	5%
Taken part in sport at least once a month throughout the year	17	4%
Taken part in sport less than once a month throughout the year	15	2%

Around two-thirds of respondents who met the existing 3x30 measure, based on the answers they provided to the current sports participation

question, also claimed to be doing 3x30 minutes of sport per week for most or all of the year at the new frequency question. The overlap here is less clear, with 35% of respondents who actually qualified for 3x30, not claiming to have done so in the new frequency question. On the other hand, 21% of respondents who did not meet the existing 3x30 measure claimed to have done 3x30 at the new frequency question. This represents a considerable number of respondents with discrepancies between their reported participation at the old and new measures (although the intricacies of intensity and included/excluded activities that exist in the current measure must also be considered).

3. What are the differences between the questions, and why?

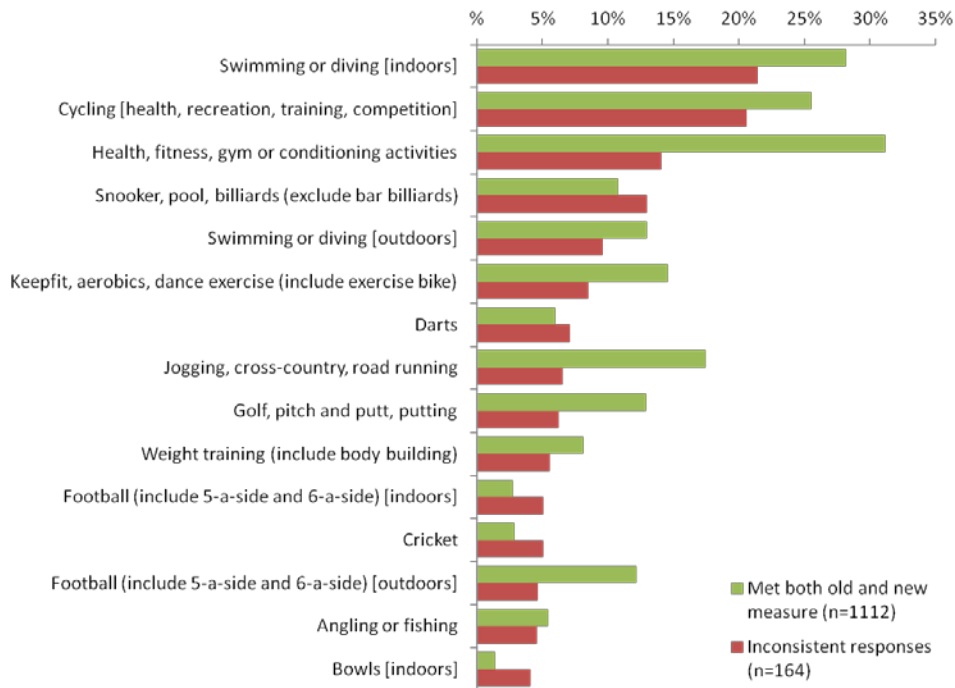
In this chapter, the origin of the similarities and differences between the old and new sports participation measures are looked at in more depth, identifying trends that may provide evidence to enable the improvement of the shorter questions. The analysis concentrates on the results of the new questions in comparison to actual sports participation.

3.1 Newsport

It is possible to look in detail at the sports participation habits of those respondents who qualified for the existing active sport measure (once a month sport, any intensity), against those who stated that they hadn't done any sport in the last 12 months at the new sports question. From this, it is possible to identify sports that are included in the active sports measure, which respondents may have participated in, but may not be counting as sport, and as such aren't considering at the new sports question.

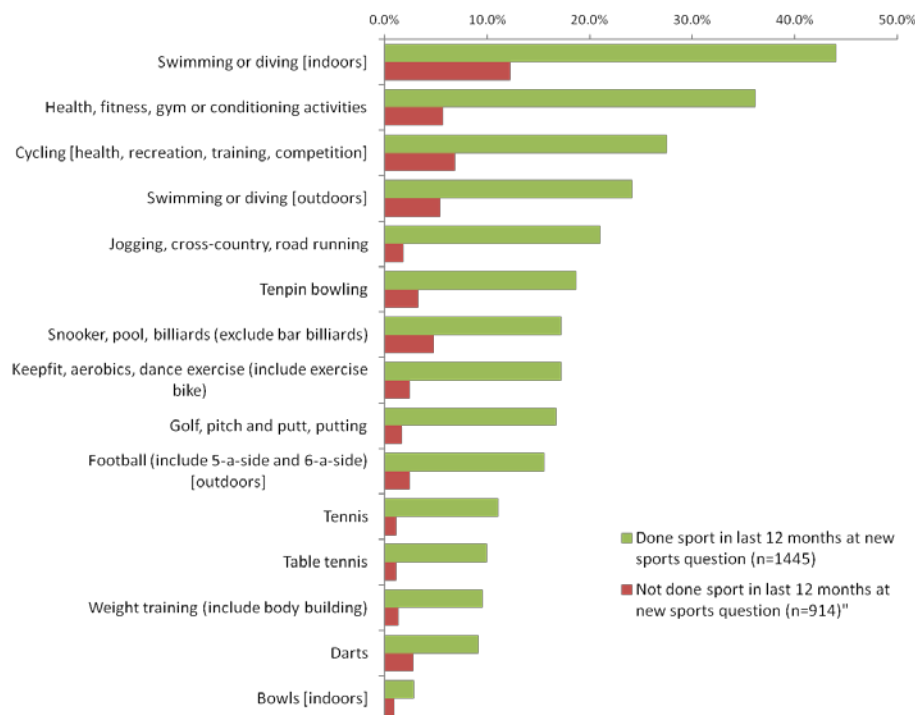
Those with inconsistent responses appeared slightly more likely to have done football indoors, along with snooker and bowls (indoors) than those who qualified for both measures, although these results are not significant at a 95% confidence level (see chart 3.1 below). High proportions of the respondents who gave inconsistent responses, also participated in swimming, cycling, angling and

Chart 3.1 Those who met both measures vs. those with inconsistent responses



It is possible to identify sports which respondents have done in the last 12 months, despite claiming that they haven't taken part in sport during the last 12 months at the new sports question (see chart 3.2, below, or see appendix 3 for the full table).

Chart 3.2 12 month sports participation



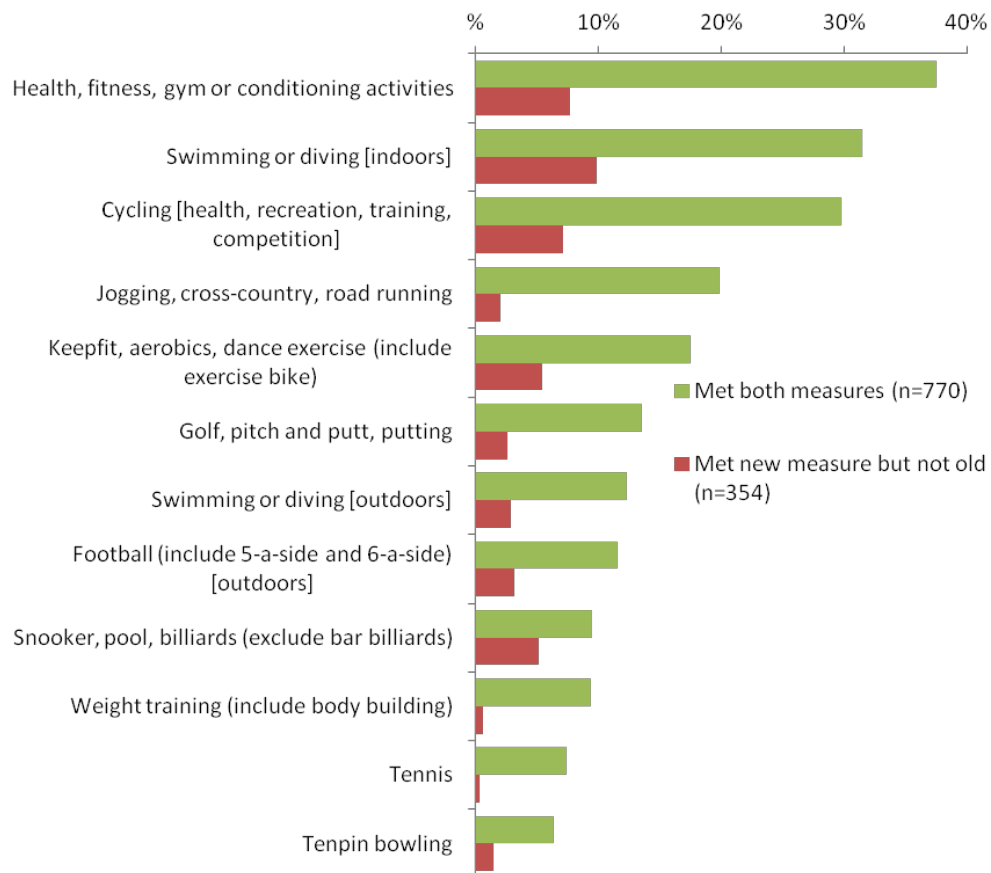
Those who claimed not to have taken part in sport in the last 12 months were most likely to have participated in swimming and cycling.

3.2 1x30 and 3x30 participation

Looking at those who did not meet the existing 1x30 sports measure, but who stated that they had participated in sport at least once a week at the new frequency question, there were no sports where participation was significantly higher than for those who qualified for both measures. There were, however, many sports that these respondents were significantly less likely to have done. Respondents who said they had done sport at least once a week for most or all of the year, but who did not meet the existing 1x30 measure, reported significantly less participation in activities such as swimming, cycling, health and fitness, keepfit, weight training, weight lifting and football than those who did meet the existing 1x30 measure.

The same trends of sports participation are also true when looking at the differences between the respondents meeting the existing 3x30 participation measure and those who claimed to have done sport at least three times a week at the new sports frequency question. Respondents who claimed to have done sport at least three times a week, but this wasn't matched in their detailed participation data, reported significantly lower levels of participation in some of the biggest sports included in the survey. This suggests that respondents were over-estimating the frequency of their sporting participation when asked to summarise their general habits at the new sports frequency question.

Chart 3.3 1x30 participation



4. How can the questions be improved?

Following the analysis of the new, shorter sports participation questions, it is clear that some small amendments to the questions may improve the accuracy of data gathered, without significantly impacting upon questionnaire length or complexity.

It has been possible to identify a number of activities that respondents appear to have overlooked when self-reporting their overall sports participation. The addition of an inclusions and exclusions clarification to both of the new sports questions, might help to address this issue. There are several ways in which this could be addressed:

- Adding a note of inclusions to the question text could clarify some of the main points to consider, but this would need to be relatively short and concise. Asking the respondent to consider any cycling that they have done, while excluding walking, would provide a degree of clarity.
- Asking the respondent to look at a showcard of all of the included activities, and tell the interviewer whether they have done any of them in the relevant time period would allow for greater clarification on the types of activities without changing the questions as they are currently.
- Asking the respondent to look at a showcard of all of the included activities at the first 12-month sports question, and recording each activity that they have done in the last 12 months, followed by a general follow-up question on frequency, if any activities had been done in the last 12 months, would represent a more thorough approach to recording sports participation without the requirement for duration and intensity, or sport-by-sport frequency data to be gathered.

The sports frequency question could be strengthened by making the response codes more consistent. As tested, response codes 1 and 2 asked about participation “for most or all of the year”, while codes 4 and 5 asked about participation “throughout the year”. Amending these codes so that they are consistent would help with comprehension and understanding for the respondent. Alternatively, the question text itself could be amended to the following:

*Looking back over the last 12 months which of the following statements best describes your levels of participation in sport **throughout the year?** I have taken part in sport:*

- 1. At least 3 times a week*
- 2. At least once a week*
- 3. At least once a month*
- 4. Less than once a month*
- 5. At least once a week, but only for at least 6 months of the year*
- 1. Don't know*

Finally, depending on the ongoing priorities for trend data and year-on-year comparison, the inclusion of the existing sports screening question, where the respondent is asked if they have done any sporting or active recreational activities in the last four weeks, could strengthen the battery of questions and provide some detail on the period immediately prior to interview, as the current questionnaire focuses on. The new questions are less impacted by factors related to seasonality, as they ask about participation across the last year in general. It may be considered useful to include some reference to specific participation in the four weeks prior to interview.

Overall, while the new, short sports questions compare relatively closely to the existing measures at a topline level, there are significant differences between the two measures when comparing in greater detail, and confusion around which activities should be included and excluded. Some minor amendments could help to combat issues around the self-reporting of summarised participation.

5. Appendices

5.1 Appendix 1 - Existing sports participation questions

Linking text:

I have already asked you about walking and cycling. I would now like to ask you about other types of sport and recreational physical activity you may have done. Please include all the activities you have taken part in but do not include any teaching, coaching or refereeing you may have done.

SCSPMON {SPOR4WK}

[ASK ALL]

Still thinking about the last four weeks, that is since [TODAY'S DATE MINUS FOUR WEEKS], have you done any sporting or active recreation activities?

1. Yes
2. No
- 1. Don't know

PLEASE TURN THE SCREEN AWAY FROM THE RESPONDENT FOR THE NEXT QUESTION

SCSPMA1 {SPORT1 TO SPORT69}

[ASKED IF SCSPMON = 1]

Which ones have you done?

INTERVIEWER: TURN SCREEN AWAY FROM RESPONDENT. CODE FROM LIST BELOW WHAT RESPONDENT SAYS.

INTERVIEWER PROMPT: Anything else?

1. American football
2. Angling or fishing
3. Archery
4. BMX, cyclo-cross, mountain biking
5. Badminton
6. Baseball / softball
7. Basketball
8. Bowls [lawn] (outdoors)
9. Bowls (indoors)
10. Boxing
11. Canoeing
12. Climbing / mountaineering (include indoor climbing)
13. Cricket
14. Croquet
15. Curling
16. Cycling [HEALTH, RECREATION, TRAINING, COMPETITION] – *autocoded if cyclrec > 0*
17. Cycling [TO GET TO PLACES, I.E. WORK, SHOPS] – *auto-coded ifcyclday > cyclrec*
18. Darts
19. Fencing
20. Football (include 5-a-side and 6-a-side) [indoors]
21. Football (include 5-a-side and 6-a-side) [outdoors]
22. Gaelic sports (e.g. camogie, Gaelic football, hurling, Irish handball and shinty)
23. Golf, pitch and putt, putting
24. Gymnastics
25. Health, fitness, gym or conditioning activities
26. Hill trekking or backpacking
27. Hockey (exclude ice, roller and street hockey but include in 'other')

28. Horse riding
29. Ice skating
30. Jogging, cross-country, road-running
31. Judo
32. Karate
33. Keep-fit, aerobics, dance exercise (include exercise bike)
34. Lacrosse
35. Motor sports
36. Netball
37. Orienteering
38. Other martial arts (include self defence, tai chi)
39. Pilates
40. Rounders
41. Rowing
42. Rugby League
43. Rugby Union
44. Shooting
45. Skiing (on snow or an artificial surface; on slopes or grass)
46. Snooker, pool, billiards (exclude bar billiards)
47. Squash
48. Swimming or diving [indoors]
49. Swimming or diving [outdoors]
50. Table tennis
51. Taekwondo
52. Tennis
53. Ten-pin bowling
54. Track and field athletics
55. Triathlon
56. Volleyball
57. Waterskiing
58. Weight training (include body-building)
59. Weight lifting
60. Windsurfing or board sailing
61. Yachting or dingy sailing
62. Yoga

63-65. Other type of sport for example roller-blading, street hockey, skateboarding, water polo, surfing, scuba diving, gliding, hang/paragliding, parachuting or parascending [specify up to 3 codes]

66. None of these

SCSPON1 {SPORT1 TO SPORT69}

[ASKED IF SCSPMA = 63]

What was/were the other type of sport(s) you did in the last four weeks?

INTERVIEWER: RECORD FIRST OTHER SPORT IF MORE THAN ONE

SCSPON12 {SPORT1 TO SPORT69}

[ASKED IF SCSPMA = 64]

What was/were the other type of sport(s) you did in the last four weeks?

INTERVIEWER: RECORD SECOND OTHER SPORT

SCSPON13 { SPORT1 TO SPORT69}

[ASKED IF SCSPMA = 65]

What was/were the other type of sport(s) you did in the last four weeks?

INTERVIEWER: RECORD THIRD OTHER SPORT

SCSPMB1 {SPORT1 TO SPORT69}

[ASK ALL]

If SCSPMON = 1:

Can I just check, in the last four weeks have you done any of the activities on this card?

INTERVIEWER: CODE ALL THAT APPLY

GREEN SHOWCARD 1

INTERVIEWER: NOT INCLUDING ANY SPORTS YOU HAVE JUST TOLD ME ABOUT

If not (SCSPMON = 1):

Can I just check, in the last four weeks, have you done any of the activities on this card?

INTERVIEWER: CODE ALL THAT APPLY

GREEN SHOWCARD 1

48. Swimming or diving [indoors]

49. Swimming or diving [outdoors]

4. BMX, cyclo-cross, mountain biking

16. Cycling [HEALTH, RECREATION, TRAINING, COMPETITION] – *auto-coded if cyclrec > 0*

17. Cycling [TO GET TO PLACES, I.E. WORK, SHOPS] – *auto-coded if cyclday > cyclrec*

9. Bowls (indoors)

8. Bowls [lawn] (outdoors)

53. Ten-pin bowling

25. Health, fitness, gym or conditioning activities

33. Keep-fit, aerobics, dance exercise (include exercise bike)

31. Judo

32. Karate

- 51. Taekwondo
- 38. Other martial arts (include self defence, tai chi)
- 58. Weight training (include body-building)
- 59. Weight lifting
- 24. Gymnastics
- 46. Snooker, pool, billiards (exclude bar billiards)
- 18. Darts
- 42. Rugby League
- 43. Rugby Union
- 1. American football
- 20. Football (include 5-a-side and 6-a-side) [indoors]
- 21. Football (include 5-a-side and 6-a-side) [outdoors]
- 22. Gaelic sports (e.g. camogie, Gaelic football, hurling, Irish handball and shinty)
- 13. Cricket
- 27. Hockey (exclude ice, roller and street hockey but include in 'other')
- 3. Archery
- 6. Baseball / softball
- 36. Netball
- 52. Tennis
- 5. Badminton
- 47. Squash
- 7. Basketball
- 50. Table tennis
- 54. Track and field athletics
- 30. Jogging, cross-country, road-running
- 2. Angling or fishing
- 61. Yachting or dingy sailing
- 11. Canoeing
- 60. Windsurfing or board sailing
- 29. Ice skating
- 15. Curling
- 23. Golf, pitch and putt, putting
- 45. Skiing (on snow or an artificial surface; on slopes or grass)

- 28. Horse riding
- 12. Climbing / mountaineering (include indoor climbing)
- 26. Hill trekking or backpacking
- 35. Motor sports
- 44. Shooting
- 56. Volleyball
- 37. Orienteering
- 40. Rounders
- 41. Rowing
- 55. Triathlon
- 10. Boxing
- 57. Waterskiing
- 34. Lacrosse
- 62. Yoga
- 19. Fencing
- 39. Pilates
- 14. Croquet
- 63-65. Other type of sport for example roller-blading, street hockey, skateboarding, water polo, surfing, scuba diving, gliding, hang/ paragliding, parachuting or parascending [specify up to 3 codes]
- 66. None of these

Pilates and croquet added to list of sports in Y3 Q4 (April 2008)

*Sports listed as above on **GREEN SHOWCARD 1** (with no number), listed alphabetically on CAPI screen*

SCSPON2 {SPORT1 TO SPORT69}

[ASKED IF SCSPMB1 = 63 AND SCSPMA1 < > 63]

What was/were the other type of sport(s) you did in the last four weeks?

INTERVIEWER: RECORD FIRST OTHER SPORT IF MORE THAN ONE

SCSPON22 {SPORT1 TO SPORT69}

[ASKED IF SCSPMB1 = 64 AND SCSPMA1 < > 64]

What was/were the other type of sport(s) you did in the last four weeks?

INTERVIEWER: RECORD SECOND OTHER SPORT

SCSPON23 {SPORT1 TO SPORT69}

[ASKED IF SCSPMB1 = 65 AND SCSPMA1 < > 65]

What was/were the other type of sport(s) you did in the last four weeks?

INTERVIEWER: RECORD THIRD OTHER SPORT

*START OF QUESTION LOOP FOR EACH SPORT CODED AT
SCSPMA1/SCSPMB1*

SPNOM1 {DAYS1 TO DAYS69}

**[ASKED OF EACH SPORT CODED AT SCSPMA1 OR SCSPMB1
EXCLUDING RECREATIONAL CYCLING (CODE 4) AND UTILITY
CYCLING (CODE 5) IF THESE WERE 'AUTO-CODED' AT SCSPMA1
OR SCSPMB1]**

On how many days in the last four weeks have you done
[+SPORT+]?

INTERVIEWER NOTE: THERE ARE 28 DAYS IN THE LAST FOUR
WEEKS.

EVERY DAY = 28

EVERY WEEKDAY = 20

EVERY OTHER DAY = 14

EVERY DAY AT WEEKENDS = 8

REFER TO CALENDAR IF NECESSARY

0 - 28

-1. Don't know

SPNOMH1 {SPO1TIME TO SPO69TIME}

**[ASKED OF EACH SPORT CODED AT SCSPMA1 OR SCSPMB1
EXCLUDING RECREATIONAL CYCLING (CODE 4) AND UTILITY
CYCLING (CODE 5) IF THESE WERE 'AUTO-CODED' AT SCSPMA1
OR SCSPMB1]**

And how long do you usually do [+SPORT+] for?

INTERVIEWER: PLEASE RECORD HOURS HERE

0 – 24

-1. Don't know

SPNOMM1 {SPO1TIME to SPO69TIME}

**[ASKED OF EACH SPORT CODED AT SCSPMA1 OR SCSPMB1
EXCLUDING RECREATIONAL CYCLING (CODE 4) AND UTILITY
CYCLING (CODE 5) IF THESE WERE 'AUTO-CODED' AT SCSPMA1
OR SCSPMB1]**

INTERVIEWER: PLEASE RECORD MINUTES HERE

0 – 59

-1. Don't know

SPBREAN {BREATHE1 TO BREATHE69}

[ASK OF EACH SPORT CODED AT SCSPMA1 OR SCSPMB1 EXCLUDING UTILITY CYCLING (CODE 5), SNOOKER (CODE 18), DARTS (CODE 19), ARCHERY (CODE 28), ANGLING (CODE 38), SHOOTING (CODE 50), YOGA (CODE 59), PILATES (CODE 61), CROQUET (CODE 62) OR ASKED IF CYCLREC > 0]

During the last four weeks, was the effort you put into [SPORT] usually enough to raise your breathing rate?

1. Yes

2. No

-1. Don't know

Exclusion for pilates and croquet added in Y3 Q4 (April 2008)

SPSWEATN { SWEAT1 TO SWEAT69}

[ASK IF SPBREAN = 1 AND (ASKED OF EACH SPORT CODED AT SCSPMA1 OR SCSPMB1 EXCLUDING UTILITY CYCLING (CODE 5), SNOOKER (CODE 18), DARTS (CODE 19), ARCHERY (CODE 28), ANGLING (CODE 38), SHOOTING (CODE 50), YOGA (CODE 59), PILATES (CODE 61) AND CROQUET (CODE 62)), OR ASKED IF CYCLREC > 0]

During the last four weeks, was the effort you put into [SPORT] usually enough to make you sweaty or out of breath?

1. Yes

2. No
-1. Don't know

Exclusion for pilates and croquet added in Y3 Q4 (April 2008)

ALSPDAYN {ALSPDAFN}

[IF AGEA_1 < 65 OR BAGEA_1 = 1 TO 10, -1 OR -2 ASK IF (WALKREC > 0 AND PACEWLK = 3 / 4 AND CYCLREC > 0 AND SPBREAN[RECREATIONAL CYCLING] = 1) OR SPBREAN[ANY ITERATION EXCEPT RECREATIONAL CYCLING] = 1 OR (SPBREAN[RECREATIONAL CYCLING] = 1 AND (CYCLREC = 0 OR SCCYCLE = 2/DK))

OR

IF AGEA_1 > 64 OR BAGEA_1 = 11,12,13, OR 14 ASK IF (WALKREC > 0 AND PACEWLK = 3 / 4 AND CYCLREC > 0 AND SPBREAN[RECREATIONAL CYCLING] = 1) OR SPBREAN[ANY ITERATION EXCEPT RECREATIONAL CYCLING] = 1 OR (SPBREAN[RECREATIONAL CYCLING] = 1 AND (CYCLREC = 0 OR SCCYCLE = 2/DK)) OR (SCSPMA1 OR SCSPMB1 = 6, 7, 28, 59, 61 OR 62)]

You said that during the last four weeks you had done the following:

[IF AGEA_1 < 65 OR BAGEA_1 = 1 TO 10, -1 OR -2 LIST ALL SPORTS WHERE SPBREAN = 1 PLUS 'Walked for health or recreation' IF WALKREC > 0 and PACEWLK = 3 / 4]

or

[IF AGEA_1 > 64 OR BAGEA_1 = 11,12,13, or 14 LIST ALL SPORTS WHERE SPBREAN = 1 PLUS 'Walked for health or recreation' IF WALKREC > 0 and PACEWLK = 3 / 4 PLUS WHERE SCSPMA1 or SCSPMB1 = 1 FOR 6 (indoor bowls), 7 (outdoor bowls), 28 (archery), 59 (Yoga), 61 (pilates) or 62 (croquet)

Can I ask, on how many days in the last four weeks did you do at least one of these activities continuously for at least 30 minutes?

INTERVIEWER NOTE: THERE ARE 28 DAYS IN THE LAST FOUR WEEKS

RESPONSES BETWEEN [X] AND [Y] BECAUSE OF PREVIOUS ANSWERS

0 - 28 but varies depending on previous answers (see note)

-1. Don't know

In the question text [x] = the highest total given at WALKREC or CYCLREC, [y] = the sum of values across WALKREC, CYCLREC and all iterations of SPNOM, or 28 if that is lower

Additional activities included for over 65's from Y3 Q4 (April 2008)

ALSPDAY1 {ALSPDAF1}

[IF WALKING AND / OR CYCLING INCLUDED IN ALSPDAYN]

Not asked if ALSPDAYN = -1

INTERVIEWER NOTE: IF THE RESPONDENT HAS DONE ANY WALKING AND/OR CYCLING WE NOW WANT THEM TO EXCLUDE ANY WALKING OR CYCLING THEY HAVE DONE FOR HEALTH OR RECREATIONAL PURPOSES ONLY.

WALKING AND/OR CYCLING FOR THE PURPOSES OF SPORTS TRAINING OR COMPETITION SHOULD BE INCLUDED.

You said that during the last four weeks you had done the following:

[IF AGEA_1 < 65 OR BAGEA_1 = 1 TO 10, -1 OR -2 LIST ALL SPORTS WHERE SPBREAN = 1 PLUS 'Walked for health or recreation' IF WALKREC > 0 and PACEWLK = 3 / 4]

[IF AGEA_1 > 64 OR BAGEA_1 = 11,12,13, or 14 LIST ALL SPORTS WHERE SPBREAN = 1 PLUS 'Walked for health or recreation' IF WALKREC > 0 and PACEWLK = 3 / 4 PLUS WHERE SCSPMA1 or SCSPMB1 = 1 FOR 6 (indoor bowls), 7 (outdoor bowls), 28 (archery), 59 (Yoga), 61 (pilates) or 62 (croquet)

Excluding any walking or cycling you have done for health or recreation purposes only, on how many days in the last four weeks did you do at least one of these activities continuously for at least 30 minutes? **Please INCLUDE any walking or cycling you have done for sport training or competition.**

INTERVIEWER NOTE: THERE ARE 28 DAYS IN THE LAST FOUR WEEKS

RESPONSES BETWEEN [X] AND [Y] BECAUSE OF PREVIOUS ANSWERS

0 - 28 but varies depending on previous answers (see note)
-1. Don't know

In the question text [X] = 0 and [Y] = response to ALSPDAYN.

Question added in Y3 Q4 (April 2008)

SCSPYN {SPO12M1 TO SPO12M69}

[ASK ALL]

If said they have done any sports at either SCSPMA1 or SCSPMB1, the screen reads:

Now thinking about the last 12 months, have you done any of the activities listed on this card? I've already included those you said you did in the last four weeks.

If said they have not done any sports at either SCSPMA1 or SCSPMB1, the screen reads:

Now thinking about the last 12 months, have you done any of the activities listed on this card?

Again, please include all the activities you did, but do not include any teaching, coaching or refereeing you may have done.

GREEN SHOWCARD 1

CODE ALL THAT APPLY

- 48. Swimming or diving [indoors]
- 49. Swimming or diving [outdoors]
- 4. BMX, cyclo-cross, mountain biking
- 16. Cycling [HEALTH, RECREATION, TRAINING, COMPETITION] – *auto-coded if cyclrec > 0*
- 17. Cycling [TO GET TO PLACES, I.E. WORK, SHOPS] – *auto-coded if cyclday > cyclrec*
- 9. Bowls (indoors)
- 8. Bowls [lawn] (outdoors)
- 53. Ten-pin bowling
- 25. Health, fitness, gym or conditioning activities
- 33. Keep-fit, aerobics, dance exercise (include exercise bike)
- 31. Judo
- 32. Karate
- 51. Taekwondo
- 38. Other martial arts (include self defence, tai chi)
- 58. Weight training (include body-building)
- 59. Weight lifting
- 24. Gymnastics
- 46. Snooker, pool, billiards (exclude bar billiards)
- 18. Darts
- 42. Rugby League
- 43. Rugby Union
- 1. American football

- 20. Football (include 5-a-side and 6-a-side) [indoors]
- 21. Football (include 5-a-side and 6-a-side) [outdoors]
- 22. Gaelic sports (e.g. camogie, Gaelic football, hurling, Irish handball and shinty)
- 13. Cricket
- 27. Hockey (exclude ice, roller and street hockey but include in 'other')
- 3. Archery
- 6. Baseball / softball
- 36. Netball
- 52. Tennis
- 5. Badminton
- 47. Squash
- 7. Basketball
- 50. Table tennis
- 54. Track and field athletics
- 30. Jogging, cross-country, road-running
- 2. Angling or fishing
- 61. Yachting or dingy sailing
- 11. Canoeing
- 60. Windsurfing or board sailing
- 29. Ice skating
- 15. Curling
- 23. Golf, pitch and putt, putting
- 45. Skiing (on snow or an artificial surface; on slopes or grass)
- 28. Horse riding
- 12. Climbing / mountaineering (include indoor climbing)
- 26. Hill trekking or backpacking
- 35. Motor sports
- 44. Shooting
- 56. Volleyball
- 37. Orienteering
- 40. Rounders
- 41. Rowing
- 55. Triathlon

- 10. Boxing
- 57. Waterskiing
- 34. Lacrosse
- 62. Yoga
- 19. Fencing
- 39. Pilates
- 14. Croquet
- 63-65. Other type of sport for example roller-blading, street hockey, skateboarding, water polo, surfing, scuba diving, gliding, hang/ paragliding, parachuting or parascending [specify up to 3 codes]
- 66. None of these

Question added in Y6 Q1 (April 2010)

SPSPOTB {SPO12M1 TO SPO12M67}

[ASKED IF SCSPYN= 63]

What was the other type of sport you did in the last year?

INTERVIEWER: RECORD FIRST OTHER SPORT IF MORE THAN ONE

Question added in Y6 Q1 (April 2010)

SCSPOTB2 {SPO12M1 TO SPO12M67}

[ASKED IF SCSPYN = 64]

What was the other type of sport you did in the last year?

INTERVIEWER: RECORD SECOND OTHER SPORT

Question added in Y6 (April 2010)

SCSPOTB3 {SPO12M1 TO SPO12M67}

[ASKED IF SCSPYN = 65]

What was the other type of sport you did in the last year?

INTERVIEWER: RECORD THIRD OTHER SPORT

Question added in Y6 (April 2010)

5.2 Appendix 2 Amended existing sports participation measures

The following inclusions and exclusions were made to the existing Taking Part sports participation measures, in order to make them more comparable to the new, short sports questions:

ACTSPPSA (once a month participation)

Excluded activities:

Utility cycling

Snooker

Darts

Archery (unless respondent aged 65+)

Fishing

Shooting

Yoga (unless respondent aged 65+)

Croquet (unless respondent aged 65+)

Pilates (unless respondent aged 65+)

This variable has no restrictions on duration or intensity of activity

1x30nointenALL (1x30 participation)

This variable was amended to include recreational cycling

5.3 Appendix 3 Once a week sports participation

The table below compares the actual sports participation of respondents who met the once a week sports participation measure in both the existing and new versions, those who achieved once a week participation at the existing measure, but not at the new measure, and vice-versa.

	Met new but did not meet existing measure	Met existing measure but did not meet new	Met both measures
American football	0.0%	0.0%	0.6%
Angling or fishing	4.2%	2.9%	4.6%
Any other water sport	0.0%	0.0%	0.9%
Archery	0.0%	0.0%	0.6%
Badminton	1.4%	2.1%	6.2%
Baseball/softball	0.0%	0.0%	1.0%
Basketball	1.3%	3.1%	1.1%
BMX, cyclo-cross, mountain biking	1.0%	0.0%	2.5%
Bowls (lawn) [outdoor]	1.4%	1.9%	2.8%
Bowls [indoors]	0.5%	0.0%	1.7%
Boxing	0.0%	0.0%	2.8%
Canoeing	0.4%	6.4%	2.2%
Climbing/mountaineering (include indoor climbing)	0.3%	0.0%	1.8%
Cricket	0.3%	0.0%	4.0%
Croquet	0.1%	0.0%	0.2%
Curling	0.0%	0.0%	0.0%
Cycling [health, recreation, training, competition]	16.5%	7.2%	26.9%
Cycling [to get to places, i.e. work, shops]	7.0%	8.8%	13.3%
Darts	5.1%	7.2%	5.5%
Fencing	0.0%	0.0%	0.2%
Football (include 5-a-side and 6-a-side) [indoors]	0.5%	0.0%	3.9%
Football (include 5-a-side and 6-a-side) [outdoors]	4.7%	2.9%	14.8%
Frisbee	0.0%	0.0%	0.0%
Gaelic sports	0.4%	0.0%	0.0%
Golf, pitch and putt, putting	2.5%	23.8%	15.4%
Gymnastics	0.0%	0.0%	1.1%
Health, fitness, gym or conditioning activities	6.6%	27.7%	41.0%
Hill trekking or backpacking	0.2%	3.1%	3.5%
Hockey	0.0%	2.8%	1.1%
Horse riding	0.6%	2.0%	3.4%
Ice skating	0.3%	1.0%	1.2%
Jogging, cross-country, road running	2.4%	13.2%	23.2%
Judo	0.0%	0.0%	0.1%

Karate	0.0%	0.0%	0.8%
Keepfit, aerobics, dance exercise (include exercise bike)	5.1%	10.3%	17.1%
Lacrosse	0.0%	0.0%	0.2%
Motor sports	1.0%	0.8%	1.5%
Netball	0.4%	0.0%	1.3%
Orienteering	0.0%	0.0%	0.3%
Other Martial Arts (include self defence, tai chi)	0.5%	0.0%	2.7%
Pilates	1.7%	3.7%	2.5%
Rambling/walking for pleasure	0.0%	0.0%	0.0%
Rounders	0.1%	2.8%	2.2%
Rowing	0.0%	0.0%	0.7%
Rugby League	0.0%	0.0%	0.4%
Rugby Union	0.0%	0.0%	1.7%
Shooting	1.5%	3.2%	1.1%
Skiing	0.0%	0.0%	0.5%
Skittles	0.0%	0.0%	0.3%
Snooker, pool, billiards (exclude bar billiards)	5.5%	12.3%	11.1%
Squash	0.0%	0.0%	4.2%
Swimming or diving [indoors]	10.0%	40.6%	32.2%
Swimming or diving [outdoors]	2.7%	39.9%	14.3%
Table tennis	1.0%	8.1%	5.0%
Taekwando	0.0%	0.0%	0.2%
Tennis	0.4%	5.9%	8.5%
Tenpin bowling	2.0%	10.8%	7.4%
Track and field athletics	0.0%	0.0%	0.9%
Trampolining	0.0%	0.0%	0.2%
Triathlon	0.0%	0.0%	0.2%
Volleyball	0.0%	1.0%	1.1%
Waterskiing	0.0%	0.0%	0.5%
Weight training (include body building)	0.3%	4.8%	11.8%
Weightlifting	0.6%	0.0%	3.4%
Windsurfing or boardsailing	0.0%	2.3%	0.3%
Yachting or dinghy sailing	0.0%	2.3%	2.0%
Yoga	3.1%	3.5%	3.8%
Other sport	0.9%	4.1%	4.0%
Miscellaneous hobbies self-identified as sport but NOT	1.3%	0.0%	0.8%
Total	100.0%	100.0%	100.0%