## Additional material 4: Principal Component Analysis (retest)

Question's number and items     rRC1     rRC2     rRC3     rRC4     rRC5     rRC5     rRC6     rRC7     rRC8       1     lengy much of the time     0.72     0.73     0.76     0.76       1     Life gets me down     0.58     0.58     0.56     0.43       5     I have a lot of physical energy     0.56     0.43     0.61       6     Pain affects my well-being     0.56     0.43     0.48       7     My health restricts me looking after myself or my home     0.56     0.43     0.48       8     I am healthy enough to get out and about     0.42     0.56     0.48     0.63       10     Iwould like more companionship or contact with other people     0.55     0.39     0.41     0.74     0.74       11     I have social or leisure activities/hobbies     0.59     0.40     0.45     0.45       12     Ir dike more people to enjoy life with     0.73     0.74     0.74       14     I have social or leisure activities/hobbies     0.59     0.41     0.45       14     I have socia	Principal Component Analysis retest (n= 238)										
2   I am hapy   0.31   0.69     3   I look forward to things   0.31   0.69     4   Life gets me down   0.56   0.43   0.61     5   I have a lot of physical energy   0.56   0.43   0.61     6   Pain affects my well-being   0.56   0.43   0.67   0.67     7   My health restricts me looking after myself   0.67   0.67   0.63   0.43     8   I am health enough to get out and about   0.42   0.48   0.48   0.65   0.33     10   Iwould like more companionship or contact with other people   0.55   0.39   0.41   0.76   0.73   0.74   0.75   0.31   1 have social or lesure activities/hobbies   0.59   0.41   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.44   0.44   0.44   0.44   0.44   0.44   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45   0.45	Que	stion's number and items	rRC1	rRC2	rRC3	rRC4	rRC5	rRC6	rRC7	rRC8	
3     I look forward to hings     0.31     0.69       4     Life gets me down     0.61       5     I have all of physical energy     0.56     0.43       6     Pain affects my well-being     0.67     0.67       7     My healthy enough to get out and about     0.56     0.43       8     I am headty enough to get out and about     0.56     0.43       9     My family, friends or neighbours would help in well enough to get out and about     0.42     0.48       10     I would like more companionship or contact     0.55     0.39       affection     0.75     0.74     0.75       11     I have social or listure activities/hobbies     0.59     0.40     0.74       16     I do paid or unpaid work or activities/hobbies in the give me arbie in file     0.45     0.41     0.45       17     I am heatify enough to have my inde     0.32     0.73     0.36     0.30       18     I can please myself what I do     0.55     0.47     0.36     0.30       19     The cost shops, services and facilitites are trestrist     0.47     0.36 <td></td> <td>l enjoy my life overall</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		l enjoy my life overall									
4     Life gets me down     0.61       5     I have a lot of physical energy     0.56     0.43       7     My health restricts me looking after myself or my home     0.67     0.67       8     I am healthy enough to get out and about     0.56     0.43       9     My family, friends or neighbours would help of my home     0.42     0.48       10     I would like more companionship or contact with other people     0.55     0.39       11     I have someone who gives me love and affection     0.75     0.74       12     I di like more people to enjoy life with     0.74     0.74       14     I have somical or leisure activities/hobbies     0.59     0.40     1       14     I have and or unpaid work or activities hat give me a role in life     0.45     0.74       15     I try to stay involved with things     0.59     0.41     0.45       16     I do paid energy what I do     0.55     0.47     0.36     0.30       16     I any healty enough to have my independence     0.38     -0.37     0.35     0.35       17     The cost of things compared to m		I am happy much of the time									
5     I have a lot of physical energy     0.58     0.43       6     Pain affects my well-being     0.75     0.77       7     My healthy enough to get out and about     0.56     0.43       9     My family, friends or neighbours would help     0.42     0.48       10     I would like more companionship or contact     0.55     0.39       11     I have social or leisure activitieshobbies     0.59     0.41     0.75       12     I dike more people to enjoy life with     0.74     0.75     0.74       14     I haves social or leisure activitieshobbies     0.59     0.41     0.75       13     I have social or leisure activities hot gives melow and activities hot gives activities	3	I look forward to things					0.31			0.69	
6     Pain affects my well-being     0.56     0.43       7     My health restricts me looking after myself or my home     0.67     0.67       8     I am healthy enough to get out and about     0.56     0.43       9     My family, friends or neighbours would help outh there people     0.48     0.48       10     Iwould like more companionship or contact with other people     0.55     0.39       11     I have sone who gives me love and affecton     0.74     0.75     0.39       12     I dilke more people     0.59     0.40     0.74       14     I have social or leisure activities/hobbies     0.59     0.41     1       15     Ity to stay involved with things     0.59     0.41     1     1       16     I dop aid or unpaid work or activities that give me a role in life     0.45     0.47     1       17     I am healty enough to have my my social or leisure activities     0.78     0.43     0.43       21     I have altor formore restrict my life     0.63     0.35     0.35     0.35       22     I feel adk wherel live     0.38     -0.37 </td <td>4</td> <td>Life gets me down</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.61</td>	4	Life gets me down								0.61	
7     My health restricts me looking after myself or my home     0.67       9     My family enough to get out and about     0.56       9     My family, findes or neighbours would help me if needad     0.42     0.48       10     Ivould like more companionship or contact with other people     0.55     0.39       11     I have someone who gives me love and affection     0.75     0.74       12     I'd like more people to enjoy life with     0.74     0.75       13     I have social or lisure activities/hobbies that I enjoy doing     0.59     0.41     0.45       14     I have social or lisure activities/hobbies dive me arole in life     0.55     0.47     0.46       15     I try to stay involved with things     0.55     0.47     1     1       16     I do paid or unpaid work or activities that give me arole in life     0.43     0.43     1       17     I am healthy enough to have my independence     0.55     0.47     0.36     0.30       18     I can please myself what I do     0.55     0.47     0.36     0.30       21     I have alot of control over the important things in my life <td>5</td> <td>I have a lot of physical energy</td> <td></td> <td></td> <td></td> <td></td> <td>0.58</td> <td></td> <td></td> <td></td>	5	I have a lot of physical energy					0.58				
or my home     0.56       8     I am healthy enough to get out and about     0.42     0.48       me if needed     0.42     0.48       1     Ivacual like more companionship or contact with other people     0.55     0.39       11     I have someone who gives me love and affection     0.55     0.39       11     I have someone who gives me love and affection     0.75     0.74       11     I have social or leisure activities/hobbies     0.59     0.41     0.74       11     I have social or leisure activities/hobbies     0.59     0.41     1       12     I ot paid or unpaid work or activities that give me a role in life     0.45     0.45       13     I have negonshillities to things compared to my not contact things compared to my not over the important give me a role in life     0.44     0.48       14     I have set possibilities to others that restrict my life     0.44     0.48       14     I have setponshibilities to others that restrict my social or leisure activities     0.38     -0.37     0.35     0.35       14     I have seponshibilities to others that restrict my social or leisure activities     0.55     0.34 <td< td=""><td>6</td><td></td><td></td><td></td><td></td><td>0.56</td><td>0.43</td><td></td><td></td><td></td></td<>	6					0.56	0.43				
9     My family, friends or neighbours would help in if needed     0.42     0.43       1     Iwould like more companionship or contact with other people     0.55     0.39       11     Ihaves someone who gives me love and affection     0.55     0.39       12     I'd like more people to enjoy life with important     0.75     0.74       14     Ihaves oxicil or leisure activities/hobbies     0.59     0.41     -       15     I try to stay involved with things     0.59     0.41     -     -       16     lop acid or unpaid work or activities that give me a role in life     0.45     -     -     -       17     ram bease myself what 1 do     0.55     0.47     -	7						0.67				
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11   I have someone who gives me love and affection   0.55   0.39     12   I'd like more people to enjoy life with   0.74   0.75     13   I have my children around which is important   0.74   0.74     14   I have social or leisure activities/hobbies   0.59   0.40   0.41     15   I try to skap involved with things   0.59   0.41   0.45     16   I do paid or unpaid work or activities that give me a role in life   0.45   0.47   0.41     17   I am healthy enough to have my   0.32   0.73   0.73   0.74     18   I can please myself what I do   0.55   0.47   0.46   0.48     19   The cost of things compared to my   0.78   0.36   0.30     my social or leisure activities   -0.47   0.36   0.30     21   I have responsibilities to others that restrict   -0.47   0.36   0.30     22   I feel safe where I live   0.38   -0.37   0.35   0.32     23   The local shops, services and facilities are good overall   0.55   0.34   0.43     24   I get pleasure from	10	I would like more companionship or contact							0.83		
12   I'd like more people to enjoy life with   0.75     13   I have my children around which is important   0.74     14   I have social or leisure activities/hobbies   0.59   0.40     15   I try to stay involved with things   0.59   0.41     16   I do paid or unpaid work or activities that give me a role in life   0.45     17   I am healthy enough to have my   0.32   0.73     18   I can please myself what I do   0.55   0.47     19   The cost of things compared to my pension/income restricts my life   0.44   0.48     20   I have responsibilities to others that restrict my social or leisure activities are good overall   0.38   -0.37   0.35   0.35     21   I have responsibilities to others that restrict my social or leisure activities are good overall   0.63   0.43   0.63     23   The local shops, services and facilities are good overall   0.55   0.34   0.43     24   I get pleasure from my home   0.36   0.63   0.32     25   I fand my neighbourhood friendy   0.36   0.32   0.32     26   I take life as it comes and make the best of things   0.	11	I have someone who gives me love and						0.55		0.39	
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Principal Component Analysis retest (n= 238)