

Questionnaire

Risk Perception of Infectious Diseases

Introduction at the start of the interview

Good morning / afternoon / evening,

My name is, I am calling for the Health Protection Agency*. This is not a sales call. We are conducting an important international study of people's opinions about several health issues, specifically about diseases like flu. Your telephone number has been selected at random.

[* if respondent wants to know what the HPA is: "The Health Protection Agency is an independent body that protects the health and well-being of everyone in the UK"]

We would like to talk to one person in the household. I would like to speak to the person aged 18 to 75 who had the most recent birthday. Is that you?

[-if answer is 'no', ask if you can speak to the person who is. If this person is not at home tell the person speaking to that in that case you can also talk to him/her.

-If this other person is at home ask if you can speak to that person.

Continue when talking to eligible person, if this is a new person introduce again]

This interview will take approximately 15 minutes. Your answers will help to improve public health services. This interview is anonymous and confidential. Answers to all questions are voluntary, and we will treat your answers with strict confidence.

Would you like to participate?

If it is not suitable at this moment, can we make another appointment?

If the respondent does not want to participate, record the sex and ask 'may I ask you for the reason you do not want to participate?'

N1 Sex (coded by interviewer)

- 1 male
- 2 female

N2 Reason for non-participation

- 1 not interested
- 2 no time
- 3 i don't feel like it
- 4 the reason is none of your business
- 5 not able to (e.g. language problem, ill)
- 6 other reason

4 digits
first digit for country

← ID-number

interviewer number

GENERAL 1

I would like to start with a few general questions about you and your household.

- 1 Gender** (code gender, if unsure ask: 'I have to read every question on my screen and now my computer wants me to ask if you are male or female')

- 1 Male
- 2 Female

- 2 In what year were you born?**

1	9		
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- 3 To which ethnic group do you consider yourself belonging to ?**

countrycode

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- 4 Would you describe the area in which you live as being a city, town, village, or the countryside?**

- 1 City
- 2 Town
- 3 Village
- 4 Countryside

- 5 How many people are living in your household, including you?**

→ if answer is 1, skip next question

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- 6 Are there children under the age of 12 living in your household?**

- 1 Yes
- 2 No
- 6 Not applicable (Q5=1)

RISK PERCEPTION: SEVERITY / SERIOUSNESS

Now, I will list a number of diseases. For every disease I would like you to tell me how you would feel about getting this disease in the next year, how serious it would be for you. You can give me a number between 1 and 10, where 1 is 'not serious' and 10 'extremely serious'. If you don't know the disease I have asked you about, please tell me. Or on the other hand if you happen to have the disease yourself, please let me know as well.

1= not serious → 10= extremely serious

66= not applicable, respondent doesn't know the disease (NA) **Do not read**

88= don't know (DK) **Do not read**

99= refused (RF) **Do not read**

IF respondent has never heard of the disease explain using the explanatory sentence (see description of diseases). If respondent still doesn't know the disease further questions about the disease are skipped.

Separate data entry possibility for every disease to indicate if:

- A. a respondent knows the disease after the disease is mentioned (default is yes)
- B. the explanation was given (if answer to A is no)
- C. the respondent knows the disease after the explanation has been given (yes or no)
- D. the respondent has the disease

**On a scale from 1 to 10, how serious would it be for you to get diabetes in the next year?
And how about a common cold?**

And so on.....

		rating	NA	DK	RF
7	Diabetes	<input type="text"/>	66	88	99
8	A common cold	<input type="text"/>	66	88	99
9	HIV	<input type="text"/>	66	88	99
10	High blood pressure	<input type="text"/>	66	88	99
11	SARS (give explanation first)	<input type="text"/>	66	88	99
12	Tuberculosis	<input type="text"/>	66	88	99
13	Heart attack	<input type="text"/>	66	88	99
14	Flu from a new flu virus (explain first)	<input type="text"/>	66	88	99
15	Food poisoning	<input type="text"/>	66	88	99

RISK PERCEPTION: PERSONAL RISK

Now, I would like to ask you how likely you think it is that you will develop or contract these diseases yourself in the next year. I will name a disease and would like to know if you think you are likely or unlikely to get this disease in the next year.

1= very unlikely

2= unlikely

3= not likely / not unlikely

4= likely

5= very likely

8= don't know (DK) **Do not read**

9= refused (RF) **Do not read**

Interviewer note: ask question in 2 steps

"Are you likely or unlikely to get [*disease*] in the next year?"

Answer: unlikely, ask: "unlikely or very unlikely?" (code 1 or 2)

Answer: likely, aks: "likely or very likely?" (code 4 or 5)

Answer: not likely but also not unlikely (code 3)

		very unlikely	unlikely	not likely / not unlikely	likely	very likely	DK	RF
16	Diabetes	1	2	3	4	5	8	9
17	A common cold	1	2	3	4	5	8	9
18	HIV	1	2	3	4	5	8	9
19	High blood pressure	1	2	3	4	5	8	9
20	SARS, in case of an outbreak outside the UK	1	2	3	4	5	8	9
21	SARS, in case of an outbreak in the UK	1	2	3	4	5	8	9
22	Tuberculosis	1	2	3	4	5	8	9
23	Heart attack	1	2	3	4	5	8	9
24	Flu from a new flu virus	1	2	3	4	5	8	9
25	Flu from a new flu virus, in case of a global flu outbreak, also in the UK	1	2	3	4	5	8	9
26	Food poisoning	1	2	3	4	5	8	9

RISK PERCEPTION: PERSONAL COMPARATIVE RISK

Now, I would like to ask you how likely you think it is that you will develop or contract certain diseases in the next year compared to other [*women/men*] of your age in the UK. I will name a disease and would like to know if you feel you are more likely, as likely, or less likely to get this disease in the next year as compared to the average [*women/men*] of your age in the UK.

1= much less likely
2= less likely
3= as likely as others
4= more likely
5= much more likely

8= don't know (DK) **Do not read**
9= refused (RF) **Do not read**

Interviewer note: ask question in 2 steps

"Compared to the average [*women/men*] of your age in the UK, do you think you are more, less or as likely to get [*disease*] in the next year?"

Answer: less likely, ask: "less likely or much less likely?" (code 1 or 2)

Answer: more likely, ask: "more likely or much more likely?" (code 4 or 5)

Answer: as likely as others (code 3)

		much less likely	less likely	as likely	more likely	much more likely	DK	RF
27	Diabetes	1	2	3	4	5	8	9
28	A common cold	1	2	3	4	5	8	9
29	HIV	1	2	3	4	5	8	9
30	High blood pressure	1	2	3	4	5	8	9
31	SARS, in case of an outbreak outside the UK	1	2	3	4	5	8	9
32	SARS, in case of an outbreak in the UK	1	2	3	4	5	8	9
33	Tuberculosis	1	2	3	4	5	8	9
34	Heart attack	1	2	3	4	5	8	9
35	Flu from a new flu virus	1	2	3	4	5	8	9
36	Flu from a new flu virus, in case of a global flu outbreak, also in the UK	1	2	3	4	5	8	9
37	Food poisoning	1	2	3	4	5	8	9

KNOWLEDGE

As you might know, there was an outbreak of SARS two years ago, in 2003, which started in China. I will now ask you some questions about SARS and the new flu virus.

38 Can you name the most important symptom of SARS? open question, code answer:

- 1 Cough
- 2 Pneumonia
- 3 Fever
- 4 Muscle pain
- 5 Flu-like symptoms
- 6 Other; namely:
- 8 Don't know any symptoms of SARS
- 9 refused

I will now give you some short statements. I would like to know for each statement whether you think it's true or false or whether you don't know.

		true	false	DK
39	SARS is a communicable disease	1	2	3
40	Somebody can have SARS without having symptoms	1	2	3
41	People can die of an infection with a new flu virus	1	2	3

RISK PERCEPTION: RESPONSE EFFICACY AND SELF EFFICACY

I will now ask you some questions about actions you can take to prevent getting 3 different diseases. First I would like to know if you think that people in general can take actions to prevent getting these diseases. And after that I will ask you if you yourself think that you can prevent getting these diseases.

For the first 3 questions I would like to know to what extent you think people can take actions:

1= not at all
2= a little bit
3= quite a bit
4= definitely
8= don't know (DK) **Do not read**
9= refused (RF) **Do not read**

In general, do you think that people can take actions to prevent getting a new flu virus in case of a flu outbreak in the UK?

And what about SARS, in case of an outbreak in the UK?

and so on.....

Question 42–44 in random order

	not at all	a little bit	quite a bit	definitely	DK	RF
42	1	2	3	4	8	9
43	1	2	3	4	8	9
44	1	2	3	4	8	9

Now I would like to know how confident you are that you can prevent getting these diseases yourself:

1= not confident at all
2= somewhat confident
3= quite confident
4= very confident
8= don't know (DK) **Do not read**
9= refused (RF) **Do not read**

How confident are you that you yourself can prevent getting a new flu virus in case of a flu outbreak in the UK?

And how confident are you that you yourself can prevent getting SARS, in case of an outbreak in the UK?

Question 45–47 in random order

	not confident	somewhat confident	quite confident	very confident	DK	RF
45	1	2	3	4	8	9
46	1	2	3	4	8	9
47	1	2	3	4	8	9

SOURCES OF INFORMATION

I will now ask you some questions about different sources of information. I will name a source of information and would like to know how much information about new and emerging diseases you got from this source in the past year.

1= nothing
2= little
3= some
4= much
5= very much

8= don't know (DK) **Do not read**
9= refused (RF) **Do not read**

		nothing	little	some	much	very much	DK	RF
48	Newspapers	1	2	3	4	5	8	9
49	Television	1	2	3	4	5	8	9
50	Radio	1	2	3	4	5	8	9
51	Internet websites	1	2	3	4	5	8	9
52	Your doctor	1	2	3	4	5	8	9
53	Governmental agencies	1	2	3	4	5	8	9
54	Consumer or patient interest groups	1	2	3	4	5	8	9
55	Family or friends	1	2	3	4	5	8	9

How much confidence did you have in information about new and emerging diseases you got from these sources in the past year?

1= none
2= little
3= some
4= much
5= very much

8= don't know (DK) **Do not read**
9= refused (RF) **Do not read**

		none	little	some	much	very much	DK	RF
56	Newspapers	1	2	3	4	5	8	9
57	Television	1	2	3	4	5	8	9
58	Radio	1	2	3	4	5	8	9
59	Internet websites	1	2	3	4	5	8	9
60	Your doctor	1	2	3	4	5	8	9
61	Governmental agencies	1	2	3	4	5	8	9
62	Consumer or patient interest groups	1	2	3	4	5	8	9
63	Family or friends	1	2	3	4	5	8	9

Now I will ask you some questions about the outbreak of SARS two years ago, in march and april 2003.

64 **How much have you heard about SARS at the time of the outbreak?**

nothing	little	some	much	very much	DK	RF
1	2	3	4	5	8	9

65 From which source of information did you get most information about SARS at the time of the outbreak?

Open question: code answer

- 1 Newspapers
- 2 Television
- 3 Radio
- 4 Internet websites
- 5 Own doctor
- 6 Governmental agencies
- 7 Consumer or patient interest groups
- 8 Family or friends
- 9 Other source:
- 88 DK
- 99 RF

66 How much confidence did you have in information about SARS from [source Q65]?

none	little	some	much	very much	DK	RF
1	2	3	4	5	8	9

Imagine an outbreak of a new serious infectious disease such as SARS or flu from a new flu virus in your country in the next year.

67 What would you find most important to know in that situation? (open question)

- 1 How this disease is transmitted
- 2 How to recognize the symptoms of this disease
- 3 How you can prevent getting infected
- 4 The geographic areas in which this disease is present
- 5 The chances of catching this disease in [country]
- 6 How this disease is treated
- 7 Something else:
- 8 DK
- 9 RF

68 From what source would you most prefer to receive information in case of such an outbreak in the UK? Open question: code answer

- 1 Newspapers
- 2 Television
- 3 Radio
- 4 Internet websites
- 5 Own doctor
- 6 Governmental agencies
- 7 Consumer or patient interest groups
- 8 Family or friends
- 9 Other source:
- 88 DK
- 99 RF

69 Imagine a global outbreak of flu from a new flu virus, also in the UK, bringing with it a sharp increase in hospitalizations and death from those who are infected. I will mention 3 places and would like to know where you think you run the greatest risk of infection.

Mention 3 out of these 6 at random. 'Is that [a], [b], or [c]?'

Code answer

- 1 On public transport (eg trains, buses, airplanes)
- 2 In entertainment enterprises, such as bars, restaurants, theatres or cinema
- 3 In shops
- 4 At work or school
- 5 In a hospital
- 6 At home or with friends and family

Imagine this outbreak from a new flu virus in the UK, in which in 5 weeks' time, **X** people of all ages were seriously ill with flu, and **Z** people died in the UK. Which of the following 3 things would you do, if any? It is uncertain whether mouth masks prevent infection.

This question is at random phrased with X and Z.

UK: **X=1,500,000 and Z=15,000** OR **X=5,900,000 and Z=59,000**

Only 3 out of these 8 actions are asked at random.

'Would you

		yes	no	DK	RF
70	Avoid public transport (eg trains, buses, airplanes)	1	2	8	9
71	Avoid going out for entertainment, such as bars, restaurants, theatres, cinema	1	2	8	9
72	Limit shopping to the essentials	1	2	8	9
73	Take absence from work	1	2	8	9
74	Keep the children out of school (even if school is still open)	1	2	8	9
	[skip this question if answer to Q6=2 or Q6=6]				
75	Limit physical contact with friends and family	1	2	8	9
76	Avoid seeing doctors, even when you're sick from something unrelated to flu	1	2	8	9
77	Stay indoors at all times	1	2	8	9

GENERAL

The last few questions are general questions about yourself.

- 78 **Overall, how would you rate your health during the past 4 weeks?**
- | | | | | | |
|-----------|------|------|------|-----------|-----------|
| Very poor | Poor | Fair | Good | Very good | Excellent |
| 1 | 2 | 3 | 4 | 5 | 6 |
- 79 **Taking all things together, would you say that you are happy or unhappy?**
- If happy: quite happy or very happy?
- If unhappy: quite unhappy or very unhappy?
- | | | | | |
|--------------|---------------|------------------------|-------------|------------|
| very unhappy | quite unhappy | not happy, not unhappy | quite happy | very happy |
| 1 | 2 | 3 | 4 | 5 |
- 80 **Have you been vaccinated against influenza in the last year?**
- 1 Yes
 - 2 No
 - 3 Don't know

81 Which category is best to describe your current employment?

- 1 Student
- 2 Teacher
- 3 Health care worker
- 4 Factory worker
- 5 Other type of employment
- 6 Unemployed
- 7 Housewife
- 8 Retired
- 9 (partly) disabled

82 What is the highest education you completed or are still following?

- 1 Primary school or no education
- 2 Lower general secondary education
or Lower vocational education
- 3 Intermediate/higher general secondary education
or Intermediate vocational education
- 4 Higher vocational education
or University education

83 What is your religion? (open question, code answer)

- 1 Not religious
- 2 Christianity: Roman Catholic
- 3 Christianity: Protestant and other Christianity
- 4 Islam
- 5 Hinduism
- 6 Buddhism
- 7 Chinese traditional religion (Taoism, Confucianism, Chinese Buddhism)
- 8 Judaism
- 9 Other

**Those are all the questions I have. Thank you very much for your cooperation.
Your answers will help to develop public health policy.**

**84 Would you like to get the address of a website where you can find more information
about SARS and pandemic flu?**

If yes, give specific address for the country.

UK: www.hpa.org.uk

85 Do you have any remarks you wish to add?

- 1 Yes:
- 2 No

Once again thank you very much for your cooperation.