

SUPPLEMENTARY FIGURE 1

Survey

Some questions about cervical smear tests and you

1 How many cervical screens (smear tests) have you had in your life?

- 0
- 1
- 2-3
- More than 3

2 How long ago was your last smear test?

- I've never had one
- 0 - 3 years
- 4 - 5 years
- More than 5 years

3 Who took your last smear? (leave out this question if you have never had a smear test)

- GP or practice nurse
- Private doctor
- Doctor overseas
- Other
- If 'Other', please specify.....

4 Have you ever had an abnormal smear result?

- Yes
- No
- Not sure

Reasons for not going for cervical smear tests

5 What would be your reason(s) for not going for a smear test?

Please tick as many as may apply to you:

- I don't know about smear tests
- I am embarrassed
- I am frightened of being told I have cancer
- I am worried the smear test will be painful
- I don't have any problems in that area that need checking

- I am too old/young to get cervical cancer
- I have transport problems getting to the clinic
- The clinic appointment times are not suitable or convenient
- I don't think it is important
- The information is too complicated
- I do not find English easy to understand
- I have problems arranging child care
- Nobody I know goes for smear tests
- I do not believe in smear testing
- I have never had sexual intercourse
- I have had an operation and do not need a smear
- I have more serious problems than needing a smear
- Other
- None of the above – I always go for smear tests when I am invited
- If 'Other' please specify.....

Finally, some questions about you

6 How old are you in years?.....

7 What is your current domestic situation?

- Married/living with a partner
- Divorced or separated
- Widowed
- Single

8 Which best describes your ethnic background?

- Bangladeshi
- Black African
- Black Caribbean
- Black other
- Mixed white and black
- White British
- White European
- White other
- Indian
- Mixed white and Asian
- Pakistani
- Asian other
- Other

If 'Other' please specify.....

9 Have you had children?

Yes

No

10 Which if these best describes your religion?

Hindu

Other

If 'Other' please specify.....

11 In which country were you born?.....

12 How long have you lived in the UK?

All my life

Less than a year

1-3 years

4-6 years

7-10 years

11-20 years

More than 20 years

13 Which language do you understand best?.....

(Multiple answers)

English

Gujurati

Hindi

14 When did you finish your education?

Before secondary school

Secondary school

College or University

Postgraduate

SUPPLEMENTARY FIGURE 2

Themes identified for framework analysis

Theme 1 – Cervical cancer

1. Understanding of the smear test
2. Knowledge of the cervical screening programme
3. Perceived risk of cervical cancer
4. General beliefs about cancer
5. Positive responses to cervical smear test
6. Negative responses to the cervical smear test

Theme 2 – Human papillomavirus (HPV)

1. Prior knowledge of HPV
2. Beliefs around the transmission of HPV
3. Beliefs around the link between HPV and abnormal cells
4. Opinions regarding the self-collected sampling for HPV

Theme 3 – Process and results

1. How results are received
2. Emotional responses to results
3. Impact of results on relationships
4. Confidence in the results and screening

Theme 4 – Disclosure of HPV results

1. Reasons for non-disclosure
2. The reactions of others to disclosure
3. Disclosure to family and friends

Theme 5 – Follow up and the future

1. Views on potentially extending the screening interval
 2. The place for HPV testing in the screening programme
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SUPPLEMENTARY TABLE 1

Demographic characteristics of survey and focus group participants

	Survey N (%)	Focus Group N (%)
Total	185	23
Age category in years		
No response	45 (24)	
<20	15 (8)	7 (30)
20–29	32 (17)	1 (4)
30–39	46 (25)	3 (13)
40–49	20 (11)	3 (13)
50–59	23 (12)	3 (13)
60–69	3 (2)	0 (0)
70–79	1 (1)	3 (13)
<25	25 (14)	1 (4)
>64	1 (1)	2 (9)
Number of cervical screens in lifetime		
No response	6 (3)	0 (0)
0	55 (30)	3 (13)
1	34 (18)	8 (35)
2–3	33 (18)	6 (26)
More than 3	57 (31)	6 (26)
Years since last cervical screen		
No response	10 (5)	0 (0)
Never	52 (28)	3 (13)
0– 3 years	90 (49)	13 (57)
4–5 years	21 (11)	2 (9)
More than 5 years	12 (7)	5 (22)
Last sample taker		
No response	57 (31)	1 (4)
GP or practice nurse	122 (66)	20 (87)
Private doctor	2 (1)	0 (0)
Doctor overseas	1 (1)	0 (0)
Hospital doctor, nurse or midwife	3 (2)	2 (9)

Abnormal screening result ever		
No response	40 (22)	1 (4)
Yes	11 (6)	2 (9)
No	118(64)	16 (70)
Not sure	16 (9)	4 (17)
Reasons for not going for cervical screening		
I don't know about smear tests	26 (14)*	0 (0)
I am embarrassed	32 (17)	2 (9)
I am frightened of being told I have cancer	15 (8)	3 (13)
I am worried the smear test will be painful	38 (21)	2 (9)
I don't have any problems in that area that need checking	15 (8)	2 (9)
I am too old/young to get cervical cancer	4 (2)	1 (4)
I have transport problems getting to the clinic	0 (0)	0 (0)
The clinic appointment times are not suitable or convenient	11 (6)	0 (0)
I don't think it is important	8 (4)	2 (9)
The information is too complicated	3 (2)	1 (4)
I do not find English easy to understand	2 (1)	0 (0)
I have problems arranging child care	9 (5)	1 (4)
Nobody I know goes for smear tests	4 (2)	0 (0)
I do not believe in smear testing	3 (2)	0 (0)
I have never had sexual intercourse	16 (9)**	1 (4)
I have had an operation and do not need a smear	3 (2)	0 (0)
I have more serious problems than needing a smear	1 (1)	0 (0)
Other (awkward, new to the country)	14 (8)	0 (0)
None of the above – I always go for smear tests when I am invited	49 (27)	9 (39)
**15 aged <25 years and 1 age not provided		
Current domestic situation		
No response	6 (3)	2 (9)
Married/living with a partner	126 (68)	16 (70)
Divorced or separated	7 (4)	1 (4)
Widowed	7 (4)	2 (9)
Single	39 (21)	2 (9)
Ethnic background		
No response	2 (1)	2 (9)
White other	2 (1)	1 (4)

Indian	171 (92)	18 (78)
Mixed white and Asian	1 (1)	0 (0)
Asian other	6 (3)	2 (9)
Other	3 (2)	0 (0)
Parous		
No response	5 (3)	3 (13)
Yes	118 (64)	18 (78)
No	62 (34)	2 (9)
Country of birth		
No response	35 (19)	4 (17)
UK	48 (26)	2 (9)
Kenya	16 (9)	2 (9)
South Yemen (Aden)	3 (2)	0 (0)
East Africa	2 (1)	0 (0)
India	67 (36)	12 (52)
Uganda	4 (2)	1 (4)
Djibouti	1 (1)	0 (0)
Abu Dhabi (UAE)	1 (1)	0 (0)
South Africa	4 (2)	0 (0)
Tanzania	4 (2)	2 (9)
Years living in the UK		
No response	1 (1)	0 (0)
All my life	56 (30)	4 (17)
Less than a year	6 (3)	1 (4)
1–3 years	11 (6)	0 (0)
4–6 years	14 (8)	3 (13)
7–10 years	14 (8)	2 (9)
11–20 years	22 (12)	0 (0)
More than 20 years	61 (33)	13 (57)
Completion of full time education		
No response	21 (11)	3 (13)
Before secondary school	3 (2)	1 (4)
Secondary school	21 (11)	5 (22)
College or university	97 (52)	13 (57)
Postgraduate	43 (23)	1 (4)