

P.446

Attitudes to living conditions

October 1970

(1-4)

CARD ① (5)

Col./ Sv
Code tc

OFFICE USE ONLY					
(11-13)	<input type="text"/>	<input type="text"/>	<input type="text"/>	NNI/EXP/AB	
(14-16)	<input type="text"/>	<input type="text"/>	<input type="text"/>	L.T./DURATION	
(17-22)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	MAP REF

SERIAL NO. (6-9)

HOUSEHOLD NO. (10)

TIME INTERVIEW STARTED _____ (23)

On the whole, how do you like living in this area?
Do you rate it as an excellent, good, fair, poor
or very poor place to live?

Excellent	1
Good	2
Fair	3
Poor	4
Very poor	5
(Don't know)	6

2. What are the things you don't like about living
round here? PROBE: 'Anything else?'

(24-25)

(26-27)

(28-29)

3.a) Would you say that, within the last year, the
neighbourhood has improved, stayed about the
same, or got worse?

Improved	1	Q.
Got worse	2	
Stayed about the same	3	C
(Don't know)	4	Q.

IF GOT WORSE

b) In what ways has the neighbourhood got worse? PROBE:

(30)

(31-32)

(33-34)

(35-36)

		Col./ Code	Sta- tu																						
4.	<u>ASK ALL</u> If you could change just <u>one</u> thing about living around here, which would you choose?	(37-38)																							
5.	How long have you lived in this area - all your life or how long? RECORD IN GRID <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">AREA</th> </tr> </thead> <tbody> <tr><td style="text-align: right;">Less than 1 year</td><td style="text-align: center;">1</td></tr> <tr><td style="text-align: right;">1 to under 2 years</td><td style="text-align: center;">2</td></tr> <tr><td style="text-align: right;">2 to under 4 years</td><td style="text-align: center;">3</td></tr> <tr><td style="text-align: right;">4 to under 7 years</td><td style="text-align: center;">4</td></tr> <tr><td style="text-align: right;">7 to under 10 years</td><td style="text-align: center;">5</td></tr> <tr><td style="text-align: right;">10 to under 20 years</td><td style="text-align: center;">6</td></tr> <tr><td style="text-align: right;">20 to under 30 years</td><td style="text-align: center;">7</td></tr> <tr><td style="text-align: right;">30 years or more</td><td style="text-align: center;">8</td></tr> <tr><td style="text-align: right;">All my life</td><td style="text-align: center;">9</td></tr> <tr><td style="text-align: right;">(Don't know)</td><td style="text-align: center;">0</td></tr> </tbody> </table>	AREA		Less than 1 year	1	1 to under 2 years	2	2 to under 4 years	3	4 to under 7 years	4	7 to under 10 years	5	10 to under 20 years	6	20 to under 30 years	7	30 years or more	8	All my life	9	(Don't know)	0	(39)	
AREA																									
Less than 1 year	1																								
1 to under 2 years	2																								
2 to under 4 years	3																								
4 to under 7 years	4																								
7 to under 10 years	5																								
10 to under 20 years	6																								
20 to under 30 years	7																								
30 years or more	8																								
All my life	9																								
(Don't know)	0																								
5.a)	Have you ever felt like moving away from this area? STRESS <u>AREA</u> , NOT HOUSE. <u>IF YES</u> b) Why did you feel like moving? PROBE: Any other reason?	Yes 1 No 2 (40) (41-42) (43-44)	Q.																						
7.	<u>ASK ALL</u> On the whole, would you say this was a quiet or a noisy neighbourhood? IF NOISY: would you say it was very noisy? IF QUIET: would you say it was very quiet?	(45) Very noisy 1 Noisy 2 Quiet 3 Very quiet 4 (Don't know) 5	RING ONE CODE ONLY																						

		Col./ Code	Skip To
9.a	What are the different kinds of noises you hear around here? PROMPT AS NECESSARY: Do you ever hear aircraft fly by here? Do you ever hear road traffic go by? Do you ever hear other noises around here? (SPECIFY) _____	Air-craft (46) 1 2 3	Road Traffic (47) 1 2 3
	a) Spontaneous Prompted Not heard	1 2 3	1 2 3
b	Which is the <u>most</u> bothersome noise you hear around here?	1	2 3 (49)
SHOW CARD A		(50)	(51)
10.a	Please look at this card and tell me how much the noise of aircraft bothers or annoys you.	1	1
b)	Repeat for 'Road Traffic'.	2	2
	Very much	3	3
	Moderately	4	4
	A little	5	5
	Not at all	SPARE	(52-53)
	(Don't know)		
10.a	During weekdays are you <u>usually</u> at home, or away from home either for the day or for the morning or the afternoon? ("USUALLY" = 3 DAYS OUT OF THE FIVE) Other (specify) _____	Usually at home Usually away all day Usually away mornings only Usually away afternoons only	(54) 1 2 3 4 5
	IF USUALLY AWAY:		(55)
b)	Do you find <u>aircraft</u> noise there about the same as at home, less noisy or more noisy?	Very much less noisy A little less noisy About the same A little more noisy Very much more noisy (Don't know)	1 2 3 4 5 6
	PROMPT AS NECESSARY.		

ASK FOR EACH ITEM BELOW:-

11.a) Thinking about the last 6 months, have the aircraft ever?

IF YES - SHOW CARD B AND ASK:

b) How often have they?

c) When they, how annoyed did this make you feel? CARD B

	(a)			b) HOW OFTEN			c) HOW ANNOYED				
	YES	NO	N/A	OCCA- SION- ALLY	FAIRLY OFTEN	VERY OFTEN	VERY MOD- ER ATE	LIT- TLE	NOT AT ALL		
Startled you?	A	0		1	2	3	4	3	2	1	(56-57)
Woken you up?	A	0		1	2	3	4	3	2	1	(58-59)
Interfered with listening to radio or TV?	A	0	4	1	2	3	4	3	2	1	(60-61)
Made the TV picture flicker?	A	0	4	1	2	3	4	3	2	1	(62-63)
Made the house vibrate or shake?	A	0		1	2	3	4	3	2	1	(64-65)
Interfered with conversation?	A	0		1	2	3	4	3	2	1	(66-67)
Interfered with or disturbed you in any other way? (Specify)	A	0		1	2	3	4	3	2	1	(68-69)

											(70)
12.	Do you ever have to sleep during the day because you work shifts or for any other reason?						Yes				1
							No				2

		Col./ Code	Skip to
13.a)	On the whole would you say that you have been more bothered by aircraft this year than in the past, or have you become used to them?	(71)	
	More bothered now	1	
	Have become used to them	2	Q.14
	About the same	3	Q.14
	New to area	4	Q.14
	(Don't know)	5	Q.14
	<u>IF MORE BOTHERED NOW</u>	(72-73)	
	b) Why do you say that? PROBE	(74-75)	
		(76-77)	

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CARD ② (5)

14.	Would you say that the aircraft have any effect on your health?	(6)	
	Yes	1	
	No	2	
	(Don't know)	3	

15.a)	When you hear the aircraft fly overhead, do you ever feel there is any danger they might crash nearby?	(7)	
	Yes	A	
	No	0	Q.16
	<u>IF YES</u>		
	b) Would you say you feel this READ OUT		
	Very often	1	
	Fairly often	2	
	or, Only occasionally	3	
	(Don't know)	4	

16.a)	Would you say that any of these people are in a position to do anything about aircraft noise:- (ASK ALL (a) BEFORE (b)) <u>IF YES AT (a)</u>		
	b) Would you say that the are doing all they can to limit the amount of aircraft noise?		
	People who run the airlines	1 2 3 1 2 3	(8-9)
	Airport officials	1 2 3 1 2 3	(10-11)
	Designers and makers of the engines	1 2 3 1 2 3	(12-13)

		Col./ Code	Skip to																				
17.	<p>I have here a list of noises which sometimes annoy people - do they ever annoy you? (READ FROM GRID)</p> <table border="1"> <thead> <tr> <th>YES</th> <th>NO</th> </tr> <tr> <th>(14)</th> <th>(15)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>3</td> <td>3</td> </tr> <tr> <td>4</td> <td>4</td> </tr> <tr> <td>5</td> <td>5</td> </tr> <tr> <td>6</td> <td>6</td> </tr> <tr> <td>7</td> <td>7</td> </tr> <tr> <td></td> <td>0</td> </tr> </tbody> </table> <p>A dripping tap? A dog barking continuously? The sound of a knife grating on a plate? Somebody whistling out of tune? Somebody switching on the radio when you want to be quiet? A pneumatic drill? A banging door? NONE OF THESE</p>	YES	NO	(14)	(15)	1	1	2	2	3	3	4	4	5	5	6	6	7	7		0		
YES	NO																						
(14)	(15)																						
1	1																						
2	2																						
3	3																						
4	4																						
5	5																						
6	6																						
7	7																						
	0																						
18.	<p>How far would you agree with people who say 'noise is one of the biggest nuisances of modern times' - would you READ OUT</p> <p>Agree strongly Agree Disagree Disagree strongly (Don't know)</p>	(16)																					
19.	<p>Thinking of the future, do you think it is going to get noisier or quieter than it is now?</p> <p>Noisier Quieter or The same? (Don't know)</p>	(17)																					
20.	<p>If it does get noticeably noisier, will this matter to you very much, a little, or hardly at all?</p> <p>Very much Little or Hardly at all? (Don't know)</p>	(18)																					
21.	<p>We've been talking a lot about noises: could you sum up your opinion by saying whether you find noise in general: READ OUT</p> <p>Very disturbing Disturbing A little disturbing Not at all disturbing (Don't know)</p>	(19)																					

		Col./ Code	S. t
So far we have been talking about aircraft noise in general. Now I would like to ask you about particular aircraft.		(20)	
22.a	Is there any one type of aircraft that you find more annoying than others when it flies by here?	Yes No (Don't know)	1 2 3
<u>IF YES</u>			(21)
b)	What type of aircraft is that? (DO NOT READ) (IF MORE THAN ONE MENTIONED, ASK 'Which do you find <u>most</u> annoying?') (CODE ONE ONLY)	V.C.10 Trident Concorde DC8/Boeing 747/Jumbo Jet Boeing 707 Other (WRITE IN) _____	1 2 3 4 5 6 Q. Q. Q. Q.
<u>IF NO AT a)</u>			(22)
c)	If you had to make a guess, which of these would you say is the <u>most</u> annoying when it flies by here? SHOW CARD C (CODE ONE ONLY)	V.C.10 Trident Concorde Jumbo Jet Boeing 707 Other (WRITE IN) _____ Don't know/Can't tell one from other	1 2 3 4 5 6 7 Q.
<u>SHOW CARD A</u>			(23)
23.	How much has the noise of (NAMED AIRCRAFT) bothered or annoyed you in the last 6 months when it has flown by here?	Very much Moderately A little Not at all (Don't know)	1 2 3 4 5

ASK FOR EACH ITEM BELOW:

24.a) Thinking about the last 6 months, have the
(NAMED AIRCRAFT) ever?

IF YES - SHOW CARD D AND ASK:-

b) How often have they?

c) When they, how annoyed did this make you
feel? CARD D

	(a)			b) HOW OFTEN			c) HOW ANNOYED				Col./ Code	Skil to
	YES	NO	N/A	ONCE OR TWICE	FAIRLY OFTEN	ALMOST EVERY TIME	VERY MUCH	MOD- ER ATE	LIT- TLE	NOT AT ALL		
Startled you?	A	0		1	2	3	4	3	2	1	(24-25)	
Woken you up?	A	0		1	2	3	4	3	2	1	(26-27)	
Interfered with listening to radio or TV?	A	0	4	1	2	3	4	3	2	1	(28-29)	
Made the TV picture flicker?	A	0	4	1	2	3	4	3	2	1	(30-31)	
Made the house vibrate or shake?	A	0		1	2	3	4	3	2	1	(32-33)	
Interfered with conversation?	A	0		1	2	3	4	3	2	1	(34-35)	
Interfered with or disturbed you in any other way? (Specify)	A	0		1	2	3	4	3	2	1	(36-37)	

IF HOUSE VIBRATES OR SHAKES

(38)

d) Can you tell me what vibrates and shakes?

(39)

(40)

		Col./ Code	Skip to
25.	ASK ALL SHOW CARD C: Can you recognise any of these aircraft just from the noise they make? IF NAMED AIRCRAFT IN PRECEDING QUESTIONS NOT ON LIST, WRITE IN 'OTHER'.	No, none V.C.10 Trident Concorde Jumbo Jet Boeing 707	0 (41) 1 1 (42) 1 (43) 1 (44) 1 (45)
Other (Specify) _____			

SHOW CARD C									
26.a	Some aircraft make a shriller screaming noise while others make a deeper roaring rumbling noise; which make a shriller screaming noise on this list? (IF NAMED AIRCRAFT IN 'OTHER' AT Q.25, WRITE IN GRID BELOW AND PROMPT. "And what about?")								
b	And which make a deeper roaring rumbling noise? (PROMPT 'OTHER' AIRCRAFT)								
c	The noise of some planes is gone quickly while for others it seems to hang around; for which is it gone quickly? (PROMPT 'OTHER' AIRCRAFT)								
d	And for which does the noise hang around? (PROMPT 'OTHER' AIRCRAFT)								
e	Which <u>one</u> makes the <u>most disturbing</u> noise? (CODE ONE ONLY)								
f	And which <u>one</u> makes the <u>loudest</u> noise? (CODE ONE ONLY)								
		V.C. 10	TRI- DENT	CON- CORDE	JUMBO JET	BOEING 707	OTHER	DK	
a	Shriller screaming noise	1	1	1	1	1	1	2	(46-51)
b	deeper roaring rumbling	1	1	1	1	1	1	2	(52-57)
c	noise is gone quickly	1	1	1	1	1	1	2	(58-63)
d	noise hangs around	1	1	1	1	1	1	2	(64-69)
e	most disturbing noise (CODE ONE ONLY)	1	2	3	4	5	6	7	(70)
f	loudest noise (CODE ONE ONLY)	1	2	3	4	5	6	7	(71)

		Col./ Code	Skip to
	Now some questions about Concorde:	(72)	
27.	Do you know what days of the week Concorde takes off from Heathrow? Yes (Specify) _____ _____	Don't know 0	
28.	Do you know how many times in a week Concorde takes off from Heathrow? <input type="checkbox"/> <input type="checkbox"/>	Don't know 0	
29.	Do you know which places Concorde flies to from Heathrow? Washington Bahrein Middle East (Unspecified) USA (Unspecified) Other (WRITE IN) _____ P.446	Don't know 1 2 1 1 1 (78-80)	(74) (75) (76) (77)
30.	Do you know which country or countries designed and built Concorde? (IF BRITAIN NOT MENTIONED, PROBE: "Just, or were any other countries involved?") Others (Specify) _____ _____ Don't know	CARD (3) SPARE Britain France 1 1 0	(7) (8) (9) (10)
31.	Do flights on Concorde cost more or less, or the same as other flights? More Less Same Don't know	(11) 1 2 3 4	
32.	Do you know if there are any restrictions on the places Concorde can fly to? Don't know No restrictions Yes: Cannot fly to New York Yes: Can only fly to Washington Other (Specify) _____	(12) 1 2 3 4 5	
33.	When Concorde flies by here, is it usually landing or taking off, or does it fly by here both when it is landing and when it is taking off? Landing Taking off Both	(13) 1 2 3	

		Col./ Code	Skip to
34.a	<u>ASK ALL</u> (Can I just check) Have you heard Concorde fly by <u>here</u> ?	(14)	
	Yes	1	
	No	2	c
	(Don't know)	3	c
	<u>IF YES</u>	(15)	
	b) Just once or more than once?	1	
	Once	1	
	More than once	2	
	<u>ASK ALL</u>	(16)	
c	Have you heard Concorde flying elsewhere?	1	
	Yes	1	
	No	2 →	SEE NOTE BELOW
	(Don't know)	3	
	<u>IF YES AT c)</u>	(17)	
	d) Where else have you heard Concorde flying? Elsewhere (Specify) _____	1	f
	Heathrow airport	1	
		(18)	
	<u>IF YES AT c)</u>	(19)	
	e) How close to the airport were you when you heard Concorde (LOUDEST OCCASION IF MORE THAN ONCE)	1	
	¼ mile or less	1	
	Over ¼ to ½ mile	2	
	Over ½ to 1 mile	3	
	Over 1 mile - 2 miles	4	
	Over 2 miles - 4 miles	5	
	Over 4 miles	6	
	Don't know	7	
	<u>IF YES AT c)</u>	(20)	
	f) Where was Concorde in relation to yourself? (LOUDEST OCCASION IF MORE THAN ONCE) Was it ... READ OUT	1	
	Right over head	1	
	A bit to the side	2	
	Well away to the side	3	
	<u>NOTE:</u> IF CONCORDE NOT HEARD AT HOME (CODE 1 AT (a)), SKIP TO Q.36		

ASK THOSE WHO HAVE HEARD CONCORDE AT HOME

ASK FOR EACH ITEM BELOW:-

35.a Thinking about the last 6 months, when Concorde has flown by here has it ever?

IF YES - SHOW CARD D AND ASK:-

b) How often has it?

c) When it, how annoyed did this make you feel? CARD D.

	(a)		b) HOW OFTEN			c) HOW ANNOYED					
	YES	NO N/A	ONCE OR TWICE	FAIRLY OFTEN	ALMOST EVERY TIME	VERY MUCH	MOD-ERATE	LIT-TLE	NOT AT ALL		
Startled you?	A	0	1	2	3	4	3	2	1	(21-22)	
Woken you up?	A	0	1	2	3	4	3	2	1	(23-24)	
Interfered with listening to radio or TV?	A	0	4	1	2	3	4	3	2	1	(25-26)
Made the TV picture flicker?	A	0	4	1	2	3	4	3	2	1	(27-28)
Made the house vibrate or shake?	A	0		1	2	3	4	3	2	1	(29-30)
Interfered with conversation?	A	0		1	2	3	4	3	2	1	(31-32)
Interfered with or disturbed you in any other way? (Specify)	A	0		1	2	3	4	3	2	1	(33-34)

(35)

IF HOUSE VIBRATES OR SHAKES

d) What vibrates or shakes when Concorde flies by?

(36)

(37)

		Col./ Code	Ski to
	<u>ASK ALL</u>		
36.a	<p>How disturbing is the noise of Concorde compared with that of other aircraft? Is it READ OUT</p> <p>A lot more disturbing</p> <p><i>IF CONCORDE NOT HEARD ALTER TO: From what you have heard or imagine, is it</i></p> <p>A little more disturbing</p> <p>About the same as other aircraft</p> <p>A little less disturbing</p> <p>A lot less disturbing</p> <p>(Don't know)</p>	<p>(38)</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p></p> <p></p> <p>Q.37</p> <p></p> <p></p> <p>Q.37</p>
	<p><u>IF MORE/LESS DISTURBING</u></p> <p>b) In what ways is the noise of Concorde more/less disturbing compared with that of other aircraft? PROBE FULLY</p> <p><i>IF CONCORDE NOT HEARD, ALTER TO: In what ways do you imagine the noise of Concorde to be more/less disturbing than that of other aircraft?</i></p>	<p>(39)</p> <p>(40)</p> <p>(41)</p> <p>(42)</p>	
37.	<p>Is the noise of Concorde more disturbing, or less disturbing than you thought it would be, or is it about the same?</p> <p><i>IF CONCORDE NOT HEARD, ALTER TO: From what you have heard or imagine, do you think that the noise of Concorde is more disturbing, less disturbing or about the same as you thought it would be?</i></p>	<p>(43)</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p>	<p></p> <p>More disturbing</p> <p>Less disturbing</p> <p>About the same</p> <p>(Had not thought about it)</p>
38.a	<p>Taking everything into consideration do you think that developing Concorde has been a good thing or a bad thing for Britain?</p> <p><i>IF GOOD, PROMPT: Fairly good, very good or extremely good?</i></p>	<p>(44)</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p>	<p></p> <p>Extremely good</p> <p>Very good</p> <p>Fairly good</p> <p>Bad</p> <p>(Don't know)</p> <p>Q.39</p>
b	<p>Why do you say that? (PROBE FULLY)</p>	<p>(45-46)</p> <p>(47-48)</p>	

SHOW CARD E

39. Here are some things that people have said about Concorde; would you say whether you agree or disagree with each one using this card to pick your answer.

					Col./ Code	Skip to	
	Agree strongly	Agree a little	No opinion	Disagree a little	Disagree strongly		
i	Concorde is a bad investment. It has cost too much to develop.	1	2	3	4	5	(49)
ii	You can have too much speed; ordinary planes are quite fast enough and Concorde is unnecessary	1	2	3	4	5	(50)
iii	It was unfair to spend so much taxpayers' money on Concorde because it benefits only the very wealthy	1	2	3	4	5	(51)
iv	Concorde is so noisy that, if the authorities were serious about cutting down aircraft noise, they would not have let it go into service.	1	2	3	4	5	(52)
v	Concorde pollutes the atmosphere more than other planes	1	2	3	4	5	(53)
vi	Concorde should have the same freedom to fly as other planes	1	2	3	4	5	(54)
vii	If Concorde had been built not by Britain but by the United States I would be less in favour of it.	1	2	3	4	5	(55)
viii	There's nothing wrong with Concorde and the British should be proud of the fact that they have given it to the world	1	2	3	4	5	(56)
ix	The Americans have no good reason for restricting Concorde; they are doing so out of jealousy	1	2	3	4	5	(57)
x	Every British person has a duty to support Concorde fully	1	2	3	4	5	(58)
xi	Concorde is worth developing even if it is only wealthy business men who can afford to fly in it	1	2	3	4	5	(59)
xii	The cost of Concorde has been more than its worth	1	2	3	4	5	(60)
xiii	Concorde represents the kind of exciting, modern progress that should be encouraged at all costs.	1	2	3	4	5	(61)

			Col./ Code	Skip to
40.a	<u>ASK ALL</u>		(62)	Q 41
	Is your house or any part of it soundproofed or double-glazed?	Yes	1	
		No	2	
	<u>IF YES</u>		(63)	
	b) Did you soundproof/double-glaze it because of aircraft noise, other noise or for some other reason?	Aircraft noise	1	
		Other noise	2	
		Other reason (Specify) _____	3	
			(64)	
	c) Did you obtain a government grant towards the cost?	Yes	1	
		No	2	
	(Work done before lived in house)	3		
41.a	<u>ASK ALL</u>		(65)	Q 42
	Have you ever flown in an aeroplane?	Yes	1	
		No	2	
	<u>IF YES</u>		(66)	
	b) Have you flown within the last twelve months?	Yes	1	
		No	2	
42.	<u>ASK ALL</u>		(67)	
	Do you happen to work at the airport, or for a company doing business at the airport?	Work at airport	1	
		For company doing business at airport	2	
		Neither	3	
1.	<u>DETAILS OF RESPONDENT</u>		(68)	
	<u>STATUS.</u>	Head of household	1	
		Housewife	2	
		Other	3	
2.a)	<u>WORKING STATUS.</u> Are you	Working full-time (31+ hours per week)	(69)	
		Working part-time (10-30 hours per week)	1	
		In full-time education	2	
		Other not working	3	
			4	
			(70)	
	b) <u>IF WORKING.</u> Do you do shift work at all?	Yes	1	
		No	2	

Col./ Code	Skip to																								
<p><u>ASK ALL EXCEPT THOSE IN FULL-TIME EDUCATION</u></p>																									
<p>3. What is your occupation? (IF TEMPORARILY NOT WORKING, RETIRED, OR HOUSEWIFE, LAST MAIN EMPLOYMENT).</p>																									
<p>Name/title of job _____</p>																									
<p>Description of activity _____</p>																									
<p>Skill/training/qualifications/experience required for job _____</p>																									
<p>Supervision/management responsibilities (incl. no. of people supervised) _____</p>																									
<p>Industry/business/profession (of employer) _____</p>																									
<p>No. of people employed at place of work _____</p>																									
<p>Employment status: Employee 1 Self-employed 2</p>																									
(71-72)																									
<p><u>OCCUPATION OF HEAD OF HOUSEHOLD (IF NOT RESPONDENT)</u></p>																									
<p>(IF TEMPORARILY NOT WORKING OR RETIRED, LAST MAIN EMPLOYMENT)</p>																									
<p>Name/title of job _____</p>																									
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<p>Employment status: Employee 1 Self-employed 2</p>																									
(73-74)																									
<p><u>AGE OF FINISHING FULL-TIME EDUCATION</u></p>																									
<p>EXACT AGE (WRITE IN) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right;">13 or under</td> <td style="text-align: right;">1</td> </tr> <tr> <td></td> <td style="text-align: right;">14</td> <td style="text-align: right;">2</td> </tr> <tr> <td></td> <td style="text-align: right;">15</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td style="text-align: right;">16</td> <td style="text-align: right;">4</td> </tr> <tr> <td></td> <td style="text-align: right;">17</td> <td style="text-align: right;">5</td> </tr> <tr> <td></td> <td style="text-align: right;">18</td> <td style="text-align: right;">6</td> </tr> <tr> <td></td> <td style="text-align: right;">19 or over</td> <td style="text-align: right;">7</td> </tr> <tr> <td></td> <td style="text-align: right;">Still receiving full-time education</td> <td style="text-align: right;">8</td> </tr> </table>			13 or under	1		14	2		15	3		16	4		17	5		18	6		19 or over	7		Still receiving full-time education	8
	13 or under	1																							
	14	2																							
	15	3																							
	16	4																							
	17	5																							
	18	6																							
	19 or over	7																							
	Still receiving full-time education	8																							
(75)																									
<p><u>COUNTRY OF BIRTH</u></p>																									
<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right;">United Kingdom</td> <td style="text-align: right;">1</td> </tr> <tr> <td></td> <td style="text-align: right;">Northern Ireland</td> <td style="text-align: right;">2</td> </tr> <tr> <td></td> <td style="text-align: right;">Southern Ireland</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td style="text-align: right;">India/Pakistan/Bangladesh</td> <td style="text-align: right;">4</td> </tr> <tr> <td></td> <td style="text-align: right;">West Indies</td> <td style="text-align: right;">5</td> </tr> </table>			United Kingdom	1		Northern Ireland	2		Southern Ireland	3		India/Pakistan/Bangladesh	4		West Indies	5									
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	Southern Ireland	3																							
	India/Pakistan/Bangladesh	4																							
	West Indies	5																							
(76)																									

				Col./ Code	Skip to
7.	TENURE:			(10)	
a)	Do you (or head of household) own or rent your home?	(6)	8. SEX		
	Own (inc. leasehold)	1	Male	1	
	Rent furnished	2	Female	2	
	Rent unfurnished	3	9. AGE:		
	Other (Specify) _____	4	Exact age (WRITE IN) <input type="text"/>	(11-12)	
			10. MARITAL STATUS:	(13)	
		(7)	Married	1	
b)	Is the house: On a main road	1	Single	2	
	or on a by-road	2	Widowed/divorced	3	
c)	Is it: On a bus route	1	Separated	4	
	Within hearing distance of the railway	2	11.a) NUMBER IN HOUSEHOLD:		
	Near any other source of noise	3	(INCLUDING RESPONDENT) <input type="text"/>	(14-15)	
	(Specify) _____				
d)	Minute's walk from the main road:	(9)	b) NUMBER OF CHILDREN UNDER 16 YEARS IN HOUSEHOLD <input type="text"/>	(16-17)	
	None	1			
	1-2	2			
	3-5	3			
	6-10	4			
	Over 10	5			
11.a)	<u>ASK CASUALLY</u>			(18)	
	Had you heard anything about this enquiry before?		Yes	1	
			No	2	
	<u>IF YES</u>				
b)	How had you heard about it? (WRITE IN) _____			(19)	

	DATE OF INTERVIEW ____ / ____ / ____		LENGTH OF INTERVIEW _____		
	SIGNATURE OF INTERVIEWER _____		INTERVIEWER NO. <input type="text"/>	(20-22)	

SERIAL NO. HOUSEHOLD NO.

Attitudes to living conditions - Supplementary questions

(TO BE ASKED AT END OF INTERVIEW AND ATTACHED TO QUESTIONNAIRE)

Finally, just a couple more questions on the subject of aircraft noise:

SHOW CARD A

		Col./ Code	Skip to
51.	How much has the noise of Concorde bothered or annoyed you in the last 6 months when it has flown by here?	Very much Moderately A little Not at all (Don't know)	A B C D E
	(Does fly by here but have never heard it) (Concorde doesn't fly by here)		F G
51ia	Think of the future, do you think there will be <u>more</u> Concordes flying here than at present, the <u>same</u> number as now, or none at all?	(23) More Same as now None at all (Don't know)	1 2 3 4 Q.52 Q.52 Q.52
IF MORE, ASK:		NO PROMPT (24)	PROMPTED (25)
b)	If more Concordes flew here, would this matter to you: (READ) A great deal	1	1
	IF 'DEPENDS ETC.', PROMPT: A little	2	2
	If there were around 5 a day, or Not at all?	3	3
	would this matter to you: (READ) (Don't know)	4	4
	(It all depends/how many more?)	5	
52.a	Thinking now about aircraft noise in general, have you yourself ever felt like doing something about aircraft noise; for example, have you ever felt like signing a petition?	Petition (26)	Meeting (30)
b	Have you ever felt like attending a meeting about it? Yes	1	1
	No	2	2
	(Don't know)	3	3
		(27)	(31)
c	Have you ever signed a petition about it? Yes	1	1
	Have you ever attended a meeting about it? No	2	2
		(28)	(32)
d	How likely do you think you would be to sign a petition about it? Do you think you would be: (READ) (REPEAT FOR ATTENDING MEETING)	Very likely to That you might, but not sure or that you probably wouldn't	1 2 3
		(29)	(33)
e	Do you think that it would do: READ	Some good A little good or no good at all to... (Don't know)	1 2 3 4

SERIAL NO. [] [] [] [] HOUSEHOLD NO. []

Attitudes to living conditions - Supplementary questions

(TO BE ASKED AT END OF INTERVIEW AND ATTACHED TO QUESTIONNAIRE)

Finally, just a couple more questions on the subject of aircraft noise:

Think of the future, do you think there will be more Concordes flying here than at present, the same number as now, or none at all?

	Col./ Code	Sk. No.
More	1	
Same as now	2	Q52
None at all	3	Q52
(Don't know)	4	Q52

IF MORE, ASK:

b) If more Concordes flew here, would this matter to you: (READ)

A great deal

IF 'DEPENDS ETC.', PROMPT:

A little

If there were around 5 a day, would this matter to you: (READ)

or Not at all?

(Don't know)

(It all depends/how many more?)

	NO PROMPT (24)	PROMPTED (25)
1	1	1
2	2	2
3	3	3
4	4	4
5		

Thinking now about aircraft noise in general, have you yourself ever felt like doing something about aircraft noise; for example, have you ever felt like signing a petition?

Have you ever felt like attending a meeting about it?

Yes

No

(Don't know)

	Petition (26)	Meeting (30)
1	1	1
2	2	2
3	3	3
(27)	(31)	

Have you ever signed a petition about it? Have you ever attended a meeting about it?

Yes

No

(28) (32)

How likely do you think you would be to sign a petition about it? Do you think you would be: (READ)

Very likely to

That you might, but

not sure

or that you probably wouldn't

(REPEAT FOR ATTENDING MEETING)

(29) (33)

Do you think that it would do: READ

Some good

A little good

or no good at all to...

(Don't know)

4 4

SERIAL NO. [] [] [] [] HOUSEHOLD NO. []

Attitudes to living conditions - Supplementary questions

(TO BE ASKED AT END OF INTERVIEW AND ATTACHED TO QUESTIONNAIRE)

Finally, just a couple more questions on the subject of aircraft noise:

SHOW CARD A

Col./ Code	Skip to
A	
B	
C	
D	
E	
F	
G	
(23)	
1	
2	Q.52
3	Q.52
4	Q.52
NO PROMPT (24)	PROMPTED (25)
1	1
2	2
3	3
4	4
5	
Petition (26)	Meeting (30)
1	1
2	2
3	3
(27)	(31)
1	1
2	2
(28)	(32)
1	1
2	2
3	3
(29)	(33)
1	1
2	2
3	3
4	4

51 How much has the noise of Concorde bothered or annoyed you in the last 6 months when it has flown by here? Very much Moderately A little Not at all (Don't know) (Does fly by here but have never heard it) (Concorde doesn't fly by here)

51a Think of the future, do you think there will be more Concordes flying here than at present, the same number as now, or none at all? More Same as now None at all (Don't know)

IF MORE, ASK:

b) If more Concordes flew here, would this matter to you: (READ) A great deal A little or Not at all? (Don't know) (It all depends/how many more?)

52.a Thinking now about aircraft noise in general, have you yourself ever felt like doing something about aircraft noise; for example, have you ever felt like signing a petition?

b Have you ever felt like attending a meeting about it? Yes No (Don't know)

c Have you ever signed a petition about it? Yes No Have you ever attended a meeting about it?

d How likely do you think you would be to sign a petition about it? Do you think you would be: (READ) (REPEAT FOR ATTENDING MEETING) Very likely to That you might, but not sure or that you probably wouldn't

e Do you think that it would do: READ Some good A little good or no good at all to... (Don't know)

Centre for Sample Surveys

limited by guarantee

registered in England (No. 1038241)

registered office:

16 Duncan Terrace London N1 8BZ

01-278 2061

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1. How much does the noise of aircraft bother or annoy you?

Please tick one box.

	(✓)		
VERY MUCH	<input type="checkbox"/>	(1)	
MODERATELY	<input type="checkbox"/>	(2)	
A LITTLE	<input type="checkbox"/>	(3)	
NOT AT ALL	<input type="checkbox"/>	(4)	

2. How much has the noise of Concorde bothered or annoyed you in the last 6 months when it has flown by here?

Please tick one box.

	(✓)		
VERY MUCH	<input type="checkbox"/>	(1)	
MODERATELY	<input type="checkbox"/>	(2)	
A LITTLE	<input type="checkbox"/>	(3)	
NOT AT ALL	<input type="checkbox"/>	(4)	

Please return in the stamped addressed envelope provided.

THANK YOU.

Question No.	Card No.	Col.	Code	FOLLOW FILTERS WITH CARE INSTRUCTIONS	SPECIAL NOTES
	1	1-4		<p><u>Respondent ID</u> This project is designed for <u>single punching only</u>. No X or Y used</p> <p>Check correct person has been interviewed as per instructions on Section C of Blue Contact Sheet. If incorrect <u>TAB</u>.</p>	All females entered twice.
	1	6/10		Check serial and household number with Contact Sheet. If they differ <u>TAB</u> .	
		11/13		Enter area number from Sample Issue Sheets. [See note at bottom of page for coding]	
		14		Enter number of electors at address from Sample Issue Sheets.	
		15/16	99	Enter total number of lines completed on Section C of Contact Sheet. NOT ANSWERED.	NOTE:- Female entered twice.
		17		Enter <u>TOTAL</u> number of <u>ADULTS</u> listed at Section C of Contact Sheet. i.e. if 6 listed and 2 are female this is a total of <u>4 ADULTS</u> . NOT ANSWERED	
		18	1	Green supplementary questions sheet attached.	
			2	Pink supplementary questions sheet attached.	
			3	Neither green nor pink supplementary questions sheet attached.	
		19/22		Not being used	
		23	9	NOT ANSWERED	ALL
2	1	24/29		<p>1st RESPONSE CODED INTO COLS. 24-25 2nd " " " " 26-27 3rd " " " " 28-29</p> <p>01 Area noisy specific mention of Concorde. 02 Area noisy specific mention of aircraft noise (not only Concorde) 03 Specific mention of traffic noise. 04 Specific mention of people noise. 05 Other unspecified sources of noise. 06 Area slummy/industrialised/dirty/overcrowded: Houses filthy/dilapidated/rubbish thrown into street/smelly/smoky/dogs. 07 People unpleasant: Too many foreigners/coloured people: wrong sort of person coming here: snobbish: "conservative": too much rowdyism/crime: Don't like the neighbours/living on a council estate etc.</p>	ALL
		11	1 2 3 4	<p>55+ NNI 30-55 45-50 40-44 29 or less</p> <p>est. NNI</p>	
		12	0 1 2	<p>0 Nil 1 Low 2 High</p> <p>est. Concorde exposure</p>	
		13	1 2	<p>Low (1) High (2)</p> <p>est. Concorde movement</p>	

EDITING AND CODING INSTRUCTIONS

ques- ion No.	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
			08	Poor public facilities/services planning: council dilatory dustbin, transport etc. services: new houses: new buildings ill sited/ill planned: crossings and similar facilities/poor public works etc.	
			09	Too much/dangerous/obstructive traffic; diesel poor traffic (as opposed to pedestrian) facilities/poor parking	
			10	Other facilities/amenities poor: shopping/housing poor entertainment/recreational facilities/no social life "too quiet".	
			11	Complaints about location/terrain of area: damp/dusty/foggy/low lying/too far from sea/too hilly/not in country	
			12	Other specific answers	
			13	Vague e.g. don't like the area/inconvenient etc.	
			14	Do not like living near airport for reasons other than noise.	
			15	Expensive area, rates too high	
			16	OTHER ANSWERS	
			99	NO INFORMATION/DON'T KNOW	
			17	NOTHING	
3A	1	30	9	NOT ANSWERED	ALL
3B		31/ 36		Use same code list as for question 2.	AFTER CODE 2 COL
4		37/ 38		Use same code list as for question 2. (One answer only)	ALL
			17	NOTHING	
5		39	0	(DON'T KNOW) REFER TO RESEARCHER	ALL
6A		40	9	NOT ANSWERED	
6B		41/ 44		1st response to be coded in Cols. 41-42 2nd " " " " " " " " 43-44	AFTER CODE 1 COL. 40
			01	To get away from noise of Concorde	
			02	To get away from noise from aircraft (not only Concorde)	
			03	To get away from noise from traffic	
			04	To get away from noise from people	
			05	To get away from noise from unspecified sources	
			06	To get away from smoke/dirt/smells: to go somewhere less built up/industrialised/unattractive (include foreigners)	
			07	To get away from undesirable people: Get away from fights	
			08	To go where public services/facilities/planning are better e.g., schools, parks, where new building is not spoiling amenities of area, etc.	
			09	To get away from the traffic (unless specified)	
			10	To go where other amenities/facilities are better e.g. shops etc.	

EDITING AND CODING INSTRUCTIONS

Des- ion No.	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
8	1		11	To move to a different location/terrain/climate to go back to the country/Ireland/go to climate more suitable for Bronchitic.	
			12	To go nearer work/to place more convenient for work	
			13	To go to better living accommodation/house of own (include want smaller/larger house)	
			14	Area/house not suitable (e.g. now there are children)	
			15	Want a change of scenery	
			16	Miscellaneous personal reasons: temporarily in area	
			17	Rates too high/property prices	
			18	Other specific answers	
			19	Vague general comments/want to move	
			99	Don't know/not stated	
				NOTE:- any mention of aircraft or airport unless NOISE = CODE 18.	
		45	9	DON'T KNOW/NOT ANSWERED	ALL
8A		46/ 48		One code only each col. down	ALL
			9	DON'T KNOW/NOT ANSWERED	
388		49	4	NONE HEARD	
			9	DON'T KNOW/NOT ANSWERED	ALL
9A/B		50/ 51	9	NOT ANSWERED	ALL
10A		54	9	NOT ANSWERED	ALL
			5	Other answers (after attempting to fit precodes)	ALL
10B		55	9	NOT ANSWERED	Only after 2-4 Col. 54
11A/B	1	56	9	NOT ANSWERED WHOLE LINE ACROSS	Even Cols. only
C		57-	0	AFTER 0 AT A	Odd cols. only
11A		60 62		<u>IF 4 CODED DELETE SPARE AND CODE 1 COL.52</u> <u>IF 4 CODED DELETE SPARE AND CODE 1 COL.53</u>	IN THESE CASES 61 AND/OR 63 WILL BLANK
12		70	9	NOT ANSWERED/DON'T KNOW	ALL
13A		71	9	NOT ANSWERED	
13B		72/ 77	01	More aircraft now, more frequent flights (no mention of time of flights)	Only after Code Col. 71.
			02	Changed flight path, so more aircraft go by. Nearest runway used more often.	
			03	General level of aircraft noise increased, more noisy	
			04	Windows open more than usual because of hot summer	
			05	More night flights now, more noise at night	

EDITING AND CODING INSTRUCTIONS

Question No.	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
			06	Noisier type of aircraft (particular aircraft mentioned e.g. Trident, Jumbo Jet, but <u>not</u> Concorde)	
			07	Concorde noisier, more annoying than other aircraft "Because of Concorde"	
			08	Noisier type of aircraft (no particular aircraft mentioned by name) "There seem to be more loud ones"	
			09	Aircraft are flying lower	
			10	Other answers	
			99	Not answered	
14	2	6	9	NOT ANSWERED	ALL
15A		7	9	NOT ANSWERED WHOLE QUESTION	
15B			4	NOT ANSWERED	AFTER A AT Q.1
16A		8,10 & 12	9	NOT ANSWERED WHOLE QUESTION	
16B		9,11 & 13	4	NOT ANSWERED	Only after col Q.16A
17		14	0/7	TOTAL OF NOISES THAT ANNOY	ALL
			9	NOT ANSWERED	
		15		NOT BEING USED	
18		16	9	NOT ANSWERED	ALL
19		17	9	NOT ANSWERED	ALL
20		18	4	DOH'T KNOW	ALL
			9	NOT ANSWERED	
21	2	19	9	NOT ANSWERED	ALL
22A		20	9	NOT ANSWERED	ALL
BYC		21/ 22	6	OTHER ANSWERS	C answered onl 2 or 3 at A.
23		23	9	NOT ANSWERED	ALL
4A/B		24	9	NOT ANSWERED WHOLE LINE ACROSS	All even cols.
C		25	0	AFTER 0 AT A	All odd cols.
			9	NOT ANSWERED AFTER 1, 2 or 3 AT B.	
		28 & 30	4	DELETE ALL CODES	
24D		33/ 40	1	The whole house, the structure of the house	Only after 1, at col. 32
			2	The foundations	
			3	Floors, the ground	
			4	Doors, windows	
			5	Crockery, ornaments	
			6	Other items, not fixed to house e.g. cookers, fridges	
			7	Other answers	
			9	Not Answered	

EDITING AND CODING INSTRUCTIONS

Section	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
5		41	2 9	DON'T KNOW NOT ANSWERED	ALL
6A		46/ 51	3 9	IF NONE NOT ANSWERED	ALL
D		52/ 69		Use same code list as above	ALL
F		70/ 71	8 9	NONE DON'T KNOW/NOT ANSWERED	ALL
7		72	5 4 3 2 1 9	Correct is Tuesday, Wednesday, Thursday, Saturday 4-1 correct i.e. one day missing, or one day added, or one day incorrect 4-2 correct i.e. two days missing, added or incorrect 4-3 correct i.e. three days missing, added or incorrect 4-4 correct i.e. four days missing, added or incorrect NOT ANSWERED	ALL
8		73	0 1/6 7 8 9	DON'T KNOW/NOT ANSWERED Delete any leading zero's 7-9 10-15 16+	ALL
9	2 3	74 6	9 1 2 3 4 5 6 7	NOT ANSWERED New York Elsewhere, United States South America, Rio de Janeiro Paris, France Elsewhere, Middle East Australia Other	ALL
10	3	10	9 1 2	NOT ANSWERED United States Other	ALL
11		11	9	NOT ANSWERED	ALL
on 12		12	9 6 7	NOT ANSWERED United States (no specific place mentioned) "Most places"	ALL
13		13	9	NOT ANSWERED	ALL
14		14	9	NOT ANSWERED	FOLLOW FILTERS CARE
15	15	15	9	NOT ANSWERED	

EDITING AND CODING INSTRUCTIONS

Question No.	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
24D		18	1	OTHER ANSWER	
25/F		19/ 20	9	NOT ANSWERED <u>WRONG SKIP</u> - should read 2 or 3 at A	
25A/C		21/ 34		USE SAME METHOD OF CODING AS FOR Q.24A/C	ALL
		35/ 37		SAME CODE LIST AS Q.24d	
26A		38	9	NOT ANSWERED	
25B		39/ 42		<u>After codes 1 or 2 at Q.36a</u>	<u>NOT</u> after 3, 4 at A On cols. 39 (1 answer), 40 (1 answer)
			1	Sudden, comes quickly	
			2	Noisier, louder in general/interferes with conversation	
			3	Lower pitch, roaring noise/heavier noise	
			4	Briefer noise	
			5	Other answers	
			9	Don't know/Not answered	
				<u>After codes 4 or 5 at Q.36a</u>	On cols. 41 (1 answer), 42 (1 answer)
			1	Goes over so quickly/noise gone quickly, soon gone	
			2	Quiet, Concorde not noisy	
			3	Low noise, not high pitched, not a disturbing kind of noise	
			4	Not frequent enough. There are only a few Concorde flights	
			5	Concorde flies higher, smoother, differently	
			6	Other	
			9	Don't know/Not answered	
27		43	5	DON'T KNOW	ALL
			9	NOT ANSWERED	
28A		44	9	NOT ANSWERED	ALL

EDITING AND CODING INSTRUCTIONS

Question No.	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
3B		45/48		<u>In favour of Concorde</u>	NOT after 5 or A 1st answer on 45-46; 2nd an cols. 47-48
			01	Good for the economic (in general) e.g. helps exports, helps business	
			02	Good for the economy, welfare of the aviation industry	
			03	Creates, helps employment. Keeps people in jobs	
			04	Enables <u>businessmen</u> to get to destination quicker	
			05	Speed. Enables people (in general) to get to destination quicker	
			06	Patriotism, pride. Concorde is prestige project. Britain first in the field. Concorde is morale booster	
			07	Progress. Concorde is a great achievement. A new era in aircraft	
			08	Concorde is beautiful, exciting technology	
			09	Concorde is less noise/not as noisy	
			10	Concorde produces less atmospheric pollution	
			11	Building Concorde improves relations with France	
			12	Other generally favourable answer	
				<u>Not in favour of Concorde</u>	
			20	Bad for the economy, uneconomic (in general)	
			21	Cost too much to build. Will never repay building cost.	
			22	Only built to get businessmen to destination quicker	
			23	Concorde noisier than other aircraft	
			24	Concorde creates (more) atmospheric pollution	
			25	Concorde "unnecessary" (not specific)	
			26	Other generally unfavourable answer	
			99	Don't know/Not answered	
9	3	49/61	3	DON'T KNOW/NOT ANSWERED	ALL
0A		62	9	DON'T KNOW/NOT ANSWERED	ALL
0B		63	3	OTHER ANSWERS	After Code 1 a
			4	WORK DONE BEFORE LIVED IN HOUSE	
0C		64	9	NOT ANSWERED	After Code 1 a
1A		65	9	NOT ANSWERED	ALL
1B		66	9	NOT ANSWERED	After Code 1 a
2		67	9	NOT ANSWERED	ALL

EDITING AND CODING INSTRUCTIONS

Question No.	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
				<u>CLASSIFICATION</u>	
1		68	9	Not answered:- only if unable to define from contact sheet	ALL
2A		68	9	Not answered	ALL
2B		69	9	Not answered	Only after A
3		71/ 72	01/	SEG Coding	NOT after at Q.2A
4		73/ 74	01/ 18	SEG Coding	Only if re not HoH ch contact sh
5		75	9	Not answered	all
6		76	6	Elsewhere	ALL
			9	Not answered	
7A	4	6	4	Other answers	ALL
			9	Not answered	
B/D		77/9	9	Not answered	ALL
B	4	10	9	Not answered - if unable to code from contact sheet	ALL
9		11/ 12	99	Not answered	ALL
10		13	9	Not answered	ALL
11		14/ 15	99	Not answered	ALL
12A		13	9	Not answered	ALL
		19		NOT BEING USED	Only after at A
		20/ 22		Interviewer numbers	
		20	9	IF Alpha	ALL
11ia		23	9	Not answered	
11ib		24	6	Not answered, but answer on Col. 25	
			7	Not answered and <u>no</u> answer on col. 25	
		25	5	Not answered, (and no answer on Col. 24)	
	4	8		IF MULTI-CODED	
			4	1+2	
			5	2+3	
			6	1+3	
			7	ALL 3	
			8	0	
			9	NOT ANSWERED (MULTI-CODED)	

EDITING AND CODING INSTRUCTIONS

es- on	Card No.	Col.	Code	INSTRUCTIONS	SPECIAL NOTES
		26/ 33	9	Not answered	
		34	1	A	
			2	B	
			3	C	
			4	D	
			5	E	
			6	F	
			7	G	
			9	NOT ANSWERED	

CARD 5

DATA SHEET



RECORD NO. (1-4)

CARD (5)

SERIAL NO. (6-9)

Grid Ref. MAP REFERENCE (10-15)

Range of values encountered

INCLUDING CONCORDE { NNI 60 - 34 (16-18)

{ PNL 130 - 80 (19-21)

NUMBER 600 - 20 (22-24)

AVERAGE SUBSONIC DURATION 46 to 3 (25-26)

AVERAGE CONCORDE DURATION 51 to 5 (27-28)

AVERAGE PEAK NOISE OF CONCORDE 130 - 80 (29-31)

1ST TRACK

DISTANCE ALONG FLIGHT TRACK ≤ 45000 m. (32-36)

DISTANCE AWAY FROM FLIGHT TRACK ≤ 10000 m. (37-41)

MOVEMENT TYPE (1 = TAKE-OFF 2 = LANDING) (42)

TRACK NUMBER (43)

LEFT OR RIGHT (1 = LEFT 2 = RIGHT) (44)

2ND TRACK

DISTANCE ALONG FLIGHT TRACK (45-49)

DISTANCE AWAY FROM FLIGHT TRACK (50-54)

MOVEMENT TYPE (1 = TAKE-OFF 2 = LANDING) (55)

TRACK NUMBER (56)

LEFT OR RIGHT (1 = LEFT 2 = RIGHT) (57)

3RD TRACK

DISTANCE ALONG FLIGHT TRACK (58-62)

DISTANCE AWAY FROM FLIGHT TRACK (63-67)

MOVEMENT TYPE (1 = TAKE-OFF 2 = LANDING) (68)

TRACK NUMBER (69)

LEFT OR RIGHT (1 = LEFT 2 = RIGHT) (70)

WITHOUT CONCORDE

{ NNI (71-72)
{ PNL (73-75)

SPARE (76-77)
446 (78-)

FIGURE 2.12 DATA TRANSFER SHEET

ALNAME	VARIABLE	FORMAT (all I)	COL	TO COL
	<u>Important</u> : All on this page is for <u>Concrete</u> noise based on large and <u>Luciflow's work.</u>			
RECNO	Record No.	I4	1	4
CARDNO	Card No	1	5	
SERIAL NO	Serial No	4	6	4
I1	Average Peak Perceived Noise Level (PNL)	3	10	12
I2	Peak PNL	3	13	15
NT1	ID No of Loudest Track	1	16	
I18	Total PNL weighed for duration and loudness	3	17	19
I5	Longest duration	3	20	22
NT2	ID No. of Longest duration Track	1	23	
I6	Peak PNL on " " "	3	24	26
I8	Total Number heard	3	27	29
I9	" " " on NT1	3	30	32
I10	" " " on NT2	3	33	35
NLT	Total Number heard	3	36	38
NLL	" " " on NT1	3	39	41
NLLONG	" " " on NT2	3	42	44
NOT	Total Number heard	3	45	47
NOL	" " " on NT1	3	48	50
NOLONG	" " " on NT2	3	51	53
I11	Total duration	4	54	57
I13	Effective Perceived Noise Level (EPNL) on NT1	3	58	60
I14	Distance to nearest track	5	61	65
I15	" along " "	5	66	70
I16	Slant range to " "	5	71	75
I17	Angle of Elevation of	3	76	77

20th September 1978

Dr J M Fields
Dept of Social Statistics
University of Southampton
Southampton SO9 5NH

This is basis for coding of
Card 1 Columns 11, 12, 13
and
Card 5 Columns 10 - 15

Dear Jim,

Jean has passed your letter of 7th September to me, and I am happy to report that I think I have solved your four queries:

Card 1, Col. 11, 12, 13

1. The coding of 111 - 113 is as follows:

NNI 111/1 = 55+
 2 = 50 - 55
 3 = 45 - 50
 4 = 40 - 44
 5 = 39 or less

Exposure to Concorde 112/0 = Nil
 1 = Low
 2 = High

Concorde Movement 113/1 = Low (A)
 2 = High (B)

~~I attach a copy of a letter from John to Mike Couzens which I think gives the data you require.~~

Card 1 col. 17-22

3. 117 - 122 do not contain the grid square reference, despite the text on the questionnaire. 117 - 118 were in the end used for other data and 119 - 122 were not used at all. Grid reference is in fact on 510 - 515. Eastings are in 510 - 511; Northings on 513 - 514. So far as I can discern the further detail of 512 and 515 was not used in analysis and perhaps not even coded. I give below the map reference bands, as they were checked in the edit program:

Note: These do appear to contain the last digit of the grid reference.

<u>NNI</u>	<u>Eastings</u>	<u>Northings</u>
1	00 - 15, 98 - 99	73 - 77
2	00 - 18, 94 - 99	72 - 78
3	00 - 22, 89 - 99	69 - 81
4	00 - 26, 84 - 99	60 - 87
5	05 - 22, 98 - 99	62 - 85

Note on appropriate weighting.

(This is included in the SPSS setup.)

Mike Couzens, Esq.,
Institute of Education,
27 Bedford Way,
London, N.C.1.

15th March 1977

Dear Mike,

Weighting for Concordia Study

In order to produce results for the population of the area as a whole, quite heavy weighting will have to be applied, as follows:

1. To correct for the fact that the sample was of individuals selected from addresses which were themselves selected with equal probability, each individual interviewed should be weighted by the number eligible for interview in his household, i.e. the number on card 1, col.17. ~~VTSZ~~
If there is no information (code 0), I suggest you weight by 2.2 (the average number of adults per household).
2. To correct for the fact that women were given twice the opportunity of selection than men were given, women should be weighted by 0.5 (or men by 2). ~~VTSZ~~
3. To correct for the disproportionate selection of addresses within different sampling bands, the following weights should be applied to those within each band. (The three digit band numbers are on card 1, cols.11-13).

<u>Band no.</u>	<u>Weight</u>	<u>Band no.</u>	<u>Weight</u>	////
111	0.3	312	0.5	
112	0.5	322	0.4	
121	0.4	400	5.9	
122	0.03	411	5.4	
211	0.6	412	1.2	
212	0.5	421	2.4	
221	0.03	422	1.3	
222	0.04	500	2.5	
✓200	0.2	511	4.1	
300	1.0	512	0.8	
311	2.1	521	2.3	
		522	1.1	

...../2

inter-noise

8-10 May 1978
San Francisco, USA **78**

REACTIONS TO CONCORDE FLIGHTS BY HEATHROW RESIDENTS¹

Aubrey Mc Kennell

Social Science Faculty
University of Southampton, Hampshire
England

Although drawing on well-tried procedures for surveying aircraft noise annoyance, this survey breaks new ground in that there appears to be no precedents for trying to isolate the effects of a single aircraft type from the totality of aircraft movements round a busy airport

Over 2500 residents living near Concorde flight paths were interviewed between November and December, 1976 Radar tracks provided by the Civil Aviation Authority of actual Concorde flights were used in drawing the sample The entire area within a 10 mile radius of Heathrow was covered, sub-regions being drawn systematically in proportion to both their population density and proximity to the nearest (average) Concorde flight track Residents selected were interviewed at home by professional interviewers Extensive measurements of noise exposure both for Concorde and subsonic aircraft were made along a variety of parameters for each address in the sample ²

DISTURBANCE AND ANNOYANCE FROM CONCORDE

Nearly half the sample (N=1156) lived within half a kilometer of the nearest Concorde flight path, and of these 85% said Yes to the Question (Q 34a) "Have you heard Concorde fly by here?" This percentage dropped gradually with distance until at over 4 kilometers only 24% answered Yes to Question 34a For the same question analysed by Average Peak PNdB of Concorde it was found that only 30% of those (N=302) at 94PNdB or below said Yes, jumping to 70% for those (N=231) between 95-99PNdB and thereafter climbing slowly to reach 94% for those (N=322) overflown by Concorde at or above 120 PNdB In total the 'heard-Concorde' group (N=1975) constituted 75% of the sample Analysis of measurement data showed for most households that at about 90PNdB Concorde tended to be louder than subsonic aircraft in the same locality, and increasingly so as levels increased

A scale of annoyance caused through activities disturbed by

Concorde was constructed, and used in most applications in the four categories shown in Table 1. The scale itself gives a higher correlation (.26 as against .22) with Concorde noise levels than do simple self-ratings of annoyance. But, in broad terms, those scoring three or more on the scale rate themselves 'very annoyed' by Concorde overflights, those scoring two either 'a little' or 'moderately annoyed', those scoring one only 'a little annoyed', and zero 'not at all annoyed'.

Table 1. Annoyance caused through activities disturbed by Concorde

		Average Peak PNdB - Concorde					Total
		104	105-109	110-114	115-119	120	
		%	%	%	%	%	%
Concorde Annoyance Scale	0	76	66	71	65	39	64
	1	15	17	14	18	24	18
	2	6	11	8	9	20	11
	3	3	6	7	8	17	7
Total (Base)		100 (451)	100 (596)	100 (322)	100 (304)	100 (302)	100 (1975)

The incidence of specific disturbances increased minimally over intermediate Concorde noise levels and then markedly at or above 120 PNdB, as do the annoyance scores. Taking the same five PNdB categories shown in Table 1, the percentages reporting house vibration from Concorde were respectively 16, 26, 19, 25 and 51 (averaging 27% in total), and the comparable percentages for reports of interference with conversation were 15, 30, 24, 30 and 51 (average 29). The percentages reporting vibration and conversation interference from subsonic aircraft were higher, averaging 57% and 68% respectively. Considering only the relative magnitude of the two types of effect, it was concluded that Concorde differs from subsonic aircraft in that vibration effects are almost as important as speech interference as a source of disturbance.

Physical Exposure Correlates of Concorde Annoyance The choice of Average Peak PNdB as the exposure variable was made only after extensive analysis of the noise measurement data. Work by John Large² produced some 60 parameters for each address in the sample. The three different time periods that were considered (NNI period 'Last Month' and Overall') produced highly intercorrelated sets of data. After using factor analysis to check for further internal redundancy the 60 parameters were reduced to 20. The final step was to run correlations for each of the twenty physical variables against the questionnaire measure of Concorde annoyance. Average PNdB was chosen as the best single predictor on the basis of these results. Combinations of parameters that were tried failed to produce any correlations that were superior.

BIAS VERSUS SENSITIVITY IN REACTIONS TO CONCORDE NOISE

Factor analysis of a battery of opinion items about Concorde produced a two-item scale measuring the degree of patriotic involvement with the plane (e.g. "Every British person has a duty to support Concorde fully"). A scale of annoyance from aircraft in general was constructed exactly as in previous Heathrow surveys. These variables, patriotism and annoyance, had by far the highest correlations with the Concorde annoyance scale (.42 and .30 respectively) out of the many others examined in the study. A distinction can be drawn between "sensitivity" defined by the slope of the regression line relating scores on the Concorde annoyance scale to its PNdB levels, and "bias" which is a function of the height of this line. For respondents divided into three groups according to whether they scored High, Medium or Low on the general annoyance scale, the regression slopes were .03, .01 and .004, respectively, whereas for those scoring High, Medium and Low on the patriotism scale the slopes were almost equal at .02, .02 and .03. The latter regression lines thus ran almost parallel although they were displaced laterally one above the other, whereas the former tended also to fan out. Levels of annoyance with aircraft in general, then, are related to sensitivity as well as bias, while the patriotism variable is an example of an almost pure biasing factor. Other examples will be given, but to show briefly the extent of this bias on reported annoyance, consider the results for those (N=472) scoring "Low" on the patriotism scale, for the same five PNdB categories shown in Table 1 the percentages of this subgroup scoring 3 on the Concorde annoyance scale were 11, 10, 15, 18 and 30 (comparable to 3, 6, 7, 8 and 17 in Table 1).

The factors making for bias and sensitivity can obviously vary between one noise exposed community and another, and need to be taken into account accordingly.

CONCORDE VERSUS OTHER AIRCRAFT TYPES

Early in the questionnaire, before Concorde had been mentioned by the interviewer, respondents were asked (Q 22) "Is there any one type of aircraft that is more annoying than others when it flies by here?" Fifty-nine percent of the heard-Concorde group (N=1975) were able to name an aircraft type. Eighteen per cent named the VC10, 15% the Trident and 12% Concorde. However, among the Low Patriotism subgroup (N=472) these percentages were respectively 17, 11 and 22. Later, at Question 26, respondents were presented with a list of aircraft types and asked to select, among other things, the one that makes the most disturbing noise. The results were very similar. The incidence of mentions ran a percentage or two higher, but the rank order for VC10, Trident and Concorde was the same in the total sample, with Concorde again moving into first place among the Low Patriotic segment.

DISTURBANCE, LOUDNESS AND DURATION

After picking out from the list the aircraft type judged

most disturbing (Q 26e), respondents were asked to select one which made the loudest noise (Q 26f) Some 34% selected Concorde as the loudest aircraft compared with only 14% who selected it as the most disturbing A significant segment of those who had heard Concorde were therefore saying, in effect, that while Concorde was the loudest aircraft it was nevertheless not the most disturbing Patriotic bias being suspected, this segment was broken out and (along with other loudness/disturbance combinations) crosstabulated against the patriotism scale

While the Loudest and the Most Disturbing judgements were on their own greatly influenced by patriotism, the relative judgement loudest-but-not-the-most-disturbing was remarkably independent (at 227 in all three segments of the patriotism scale) A more objective source seemed indicated Similar analyses of the incidence of this relative judgement revealed that, while largely independent of intermediate Concorde noise levels, it tended to increase at the very highest levels A clue to the explanation was provided when respondents were asked (Q 26c) to select from the list the plane type for which the noise is "gone quickly" Fifty-two per cent selected Concorde, no other aircraft being selected by more than 8% Further analysis showed that these 52% lived mainly in regions where the duration of Concorde noise (10dB down from the peak) was shorter than that of subsonic aircraft, these being mainly regions where its noise level exceeded 110 PNdB Moreover those respondents (N=790) who said that Concorde was less disturbing than other aircraft (at Question 36) were also found on analysis to live in similar regions Three quarters of this latter group, asked why they thought this, replied that it was because Concorde "goes over quickly" Several lines of evidence thus indicated that without the ameliorating effect of its shorter duration, the loudness levels reached by Concorde would generate even more annoyance and disturbance than they in fact do

APPREHENSION VERSUS ACTUALITY IN REACTIONS TO CONCORDE NOISE

Heathrow residents were subjected to a heavy barrage of publicity about Concorde, and its noise, before they actually heard the plane fly In the light of this their replies to Question 37, shown in Table 2, were of special interest

Table 2 Analyses of Question 37 "Is the noise of Concorde more disturbing, or less disturbing than you thought it would be?"

	Patriotism			Total	Concorde not-heard	
	High	Medium	Low		%	%
More than thought	4	7	19	9	5	
Less than thought	73	64	47	63	30	
Same as thought	19	23	26	23	20	
Don't know	4	6	8	5	45	
Total	100	100	100	100	100	
(Base)	(605)	(898)	(472)	(1975)	(652)	

Pilot work had shown that this was a question well understood by Heathrow residents. It was asked towards the end of the main questionnaire when it became apparent to the respondent that the interview was about Concorde. Nevertheless tabulation against the patriotism scale revealed only a mild trend, as shown in Table 2. The trend with Concorde noise level was similarly mild. Neither trend was sufficient to upset the apparently firmly grounded judgement of those Heathrow residents who had heard Concorde that its noise was less disturbing than they had been led to expect. On the basis of these results, writing in March 1977, it was suggested "that a similar distribution of opinion would, after a time, be found at Kennedy, were Concorde allowed to fly there"

DOES CONCORDE ADD TO TOTAL NOISE ANNOYANCE?

The question arises because the impact of Concorde's scheduled operations on the total noise annoyance round Heathrow is likely to be small simply because the frequency of these operations is small. At the time of the survey few residents were in a position to hear more than four Concorde flights per week. Possibly because of this, no relationship could be found between counts of the number of Concorde flights in any locality and the level of annoyance with the plane. After careful consideration it was felt that, however suggestive, the significant relationship with Concorde noise levels that was found (as discussed above) could not be produced on its own as evidence of the scale of Concorde's effect. The relationship uncovered is perhaps a testimony to the precision of the investigation, but a persistent critic could well take the line that with adequate instrumentation even the impact of a drop falling into an ocean can be measured. It could likewise be argued that replies about Concorde's noise would tend to focus round the experience of a single overflight, whereas the frame of reference for subsonic aircraft would integrate large numbers of flights. Initially it was hoped that a yardstick might be provided by scoring reactions to all aircraft on an identical scale to that used to measure Concorde annoyance. For example, some 20% of respondents at the highest Concorde noise levels reported serious annoyance on the Concorde annoyance scale compared with 50% yielding similar scores at the highest subsonic levels on the scale for general aircraft annoyance. For the reasons above it was felt that in the absence of good supporting evidence such comparisons would have only dubious validity as an index of the relative seriousness of Concorde annoyance.

Other lines of evidence examined included data from the earlier part of the questionnaire designed to measure the 'salience' of noise disturbance (e.g. "What are the things you don't like about living round here?") These questions each produced substantial percentages of spontaneous mentions of aircraft noise, increasing systematically with noise level. But no more than a handful of respondents mentioned Concorde specifically at this point. These results seemed sufficient to refute the extreme position, should anyone wish to maintain it, that Concorde

dominated the noise environment, or was overwhelming as a source of disturbance

At the other extreme, the question of whether Concorde made an appreciable or even detectable increment to the total level of aircraft annoyance still remained open. A multiple regression approach was tried in which a measure of annoyance from the questionnaire was first regressed on a measure of Average Peak PNdB for subsonic aircraft as a predictor, and then again using both the latter and a measure of Concorde PNdB as joint predictors. The multiple correlation moved from .31 to .32. Other data indicated that this small increment was of the same order of magnitude as the error in our measuring instruments. In this situation it was felt that the measurement and mathematical varieties of the multiple regression statistics rendered it too frail a peg on which to hang a conclusion of any importance. The British Civil Aviation Authority had concluded on the basis of NNI calculations (CAA Paper 77007) that any impact of Concorde was on the borderline of detectability. The NNI logic is in itself questionable, especially when extrapolated to the effects of a few, widely spaced and exceptionally noisy overflights. But given the uncertainties noted above it seemed only proper to accept that the survey data could not be brought to bear conclusively either way, to prove or disprove the inferences drawn by the CAA from the NNI computations.

1 This study was designed and directed by Aubrey McKennell acting as an independent consultant under contract to the Port Authority of New York and New Jersey commencing in October 1976. The final report was completed in March 1977. Under separate contracts, the fieldwork and data processing were carried out by Social and Community Planning Research, London, the basic noise data were supplied by the British Civil Aviation Authority and was reworked by Jonn Large, assisted by J. E. Ludlow, in a form suitable for the survey.

2 The derivation and internal analysis of the noise data, a considerable operation in its own right, was reported on separately by Large and Ludlow. Only reference copies are currently available (ISVR Memoranda Numbers 578 and 579). Full-length articles based on the measurement and survey reports are to be published in the Journal of Sound and Vibration.