

Group VI. Employment and occupation of study parents

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Appendix: **Deriving NS-SEC**

Keywords: Maternal occupation
 Paternal occupation
 Grandparental occupation
 Socio-economic group
 Unemployment
 Shift work

Data sources: This data set uses questions from the following questionnaire files: A, B, C, E, F, G, H, J, PA, PB, PC, PD, PE. See ALSPAC main documentation for details.

The data are linked with information on maternal age (MZ028b) socio-economic group (NS-SEC) (C756a, C766a) and ethnic origins (C800a, C804). See ALSPAC main documentation for details.

Data set: All mothers enrolled in the study during pregnancy or shortly after delivery regardless of outcome (n = 14541).

VI.1 Background

The occupations of parents of a child are important for a number of reasons:

- (a) They provide socio-economic indicators.
- (b) The occupation provides an indication of exposures to a variety of chemicals and other hazards that may influence the health of the parent as well as the health and development of the child.
- (c) In addition, the occupations of the grandparents provide additional information on both the social background and possible exposures of the study parents during their own childhood.
- (d) There are particular issues around returning to work for the mother. ALSPAC has documented the ages of the child when this has happened, the reasons why the mother is working and her feelings about leaving her child.
- (e) The longitudinal data provide information for assessing the ways in which occupations change over the early years of a child's life.
- (f) Paternal report was also obtained in pregnancy, allowing a comparison between mother and partner reports of the same occupation.

The structure of this documentation is as follows:

- The actual questions are given verbatim in italics
- The coding instructions for the initial keying process are given in square brackets
- The actual questionnaire used is denoted by a capital letter, and the number of the question within that questionnaire is in round brackets
- The actual frequencies are given in tables, together with the relevant variable number
- A list of all the variables in this file are given in section VI.9; where there has been further coding to preserve the confidentiality of the participants, this is noted here in square brackets. The variable numbers are denoted by one or more letters (denoting the questionnaire) followed by a number.
- Further details of the structure of the survey are given in the ALSPAC main documentation file.

VI.2 History of occupations from leaving school onwards

Details of the past occupation history of each parent was obtained specifically in order to obtain information that would help identify chemical and radiation exposures that might influence the outcome of the study pregnancy. The actual jobs and exposures were designed with the assistance of Dr Alexandra Farrow, an environmental epidemiologist working with ALSPAC, coded in America under her supervision, and funded by the National Institutes of Environmental Health Sciences (NIEHS). Dr Farrow has used the data in her PhD thesis and in a number of research papers.^{2,3}

Both of the questionnaires ‘Your Environment’ (sent to the mother) and ‘You and Your Environment’ (sent to the mother to give to her partner) were designed to identify exposures to various types of substance whether at work or as a hobby. In addition the mother was asked to list all jobs she had had since the age of 16, together with the materials/machines or chemicals used, the date started and the date stopped. This has resulted in a job history for each woman. The occupations were assigned 3 digit codes from the 1990 Standard Occupational Classification.⁴ Exposures reported for each job were also coded with a unique 3 digit coding system. (not given in this dataset) The year and month of starting and finishing specific jobs enabled a calculation of the number of months in any specific job. In order to relate the occupation to the pregnancy, the length of time from the date of starting each job to the date of last menstrual period was measured in months.

References:

1. Farrow A. Miscarriage and environmental factors. PhD thesis, University of Bristol, 1995.
2. Shea KM, Farrow A, Little R, ALSPAC Study Team. An investigation of the effect of paternal occupation group at conception on birth weight and gestational age. *American Journal of Industrial Medicine* 1997; 31: 738-743.
3. Farrow A, Shea KM, Little RE, ALSPAC Study Team. Birthweight of term infants and maternal occupation in a prospective cohort of pregnant women. *Occupational and Environmental Medicine* 1998; 55: 18-23.
4. Standard Occupational Classification 1990. London; Office of Population Censuses and Surveys 1990.

What jobs have you had since the age of 16? Include part-time and voluntary work. If you have not worked write ‘None’

[‘Since the age of 16’ not included in the version of the questionnaire that went to girls who were not yet 16]

<i>Job</i>	<i>Materials/machines or chemicals used</i>	<i>Date started (month-year)</i>	<i>Date stopped (month-year)</i>
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- 1)
- 2)

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[For the study mother, the no of option lines given were 5 in the early version of Your Environment but 10 in all other versions. For partners, 10 lines were allowed in the first version of the questionnaire Your and Your Environment but 16 thereafter]

[Coders were instructed to count the number of items listed. If ‘none’ written, coded as zero]

Questionnaire (question no):
 Mother: A (D3);
 Partner: PA (B2)

Table VI.2a Number of jobs listed by study mother and her partner

No. Jobs	Study mother (A430)	Mother's Partner (PA061)
0	311	46
1	1930	1440
2	2420	1376
3	2468	1333
4	1989	1024
5	1451	738
6	728	441
7	436	301
8	280	194
9	138	113
10+	157	216
TOTAL VALID	12308	7222

Table VI.2b. Availability of details of job histories of parents

No. of job	MOTHER					PARTNER				
	SOC 90 classification var	Duration (months) var	range	Start (months before LMP) var	range ^a	SOC 90 classification var	Duration (months) var	range	Start (months before LMP) var	range ^a
1 st	a701a	a707	0,302	a708	-5, 353	pa1001a	pa1007	1, 479	pa1008	-8, 471
2 nd	a711a	a717	0,302	a718	-8, 327	pa1011a	pa1017	1, 363	pa1018	-8, 456
3 rd	a721a	a727	0,233	a728	-8, 315	pa1021a	pa1027	1, 381	pa1028	-8, 397
4 th	a731a	a737	0,282	a738	-7, 315	pa1031a	pa1037	1, 267	pa1038	-8, 360
5 th	a741a	a747	0, 254	a748	-6, 289	pa1041a	pa1047	1, 295	pa1048	-8, 358
6 th	a751a	a757	0, 211	a758	-7, 266	pa1051a	pa1057	1, 297	pa1058	-8, 394
7 th	a761a	a767	0, 208	a768	-4, 285	pa1061a	pa1067	1, 243	pa1068	-8, 394
8 th	a771a	a777	0, 250	a778	-5, 246	pa1071a	pa1077	1, 240	pa1078	-8, 334
9 th	a781a	a787	0, 177	a788	-4, 226	pa1081a	pa1087	1, 240	pa1088	-8, 346
10 th	a791a	a797	0, 170	a798	-8, 238	pa1091a	pa1097	1, 189	pa1098	-8, 342
11 th	a801a	a807	0, 154	a808	-2, 194	pa1101a	pa1107	1, 229	pa1108	-8, 322
12 th	a811a	a817	0, 108	a818	0, 147	pa1111a	pa1117	1, 229	pa1118	-8, 310
13 th	a821a	a827	0, 39	a828	-5, 124	pa1121a	pa1127	1, 295	pa1128	-8, 298
14 th						pa1131a	pa1137	1, 301	pa1138	-7, 246
15 th						pa1141a	pa1147	1, 153	pa1148	-7, 241
16 th						pa1151a	pa1157	2, 245	pa1158	-7, 184
17 th						pa1161a	pa1167	3, 58	pa1168	-7, 59

^a A minus no. indicates that the job started after the date of the LMP

Table VI.2c. Classification of all study mother's jobs prior to the study pregnancy using SOC 90

Occupation Group	1st job (a701a)	2nd job (a711a)	3rd job (a721a)	4th job (a731a)	5th job (a741a)	6th job (a751a)	7th job (a761a)	8th job (a771a)	9th job (a781a)	10th job (a791a)	11th job (a801a)	12th job (a811a)	13th job (a821a)
Managers and administrators	220	373	424	356	257	127	83	52	30	17	4	2	2
Professional	331	313	291	290	222	165	113	71	43	22	12	5	6
Associate professional & technical	611	869	814	698	511	301	186	129	70	34	20	10	8
Clerical & secretarial	3678	3016	2121	1283	769	404	212	120	52	40	15	4	5
Craft & related	331	227	163	102	62	42	17	14	3	3	3	0	1
Personal & protective service	1928	1589	1143	747	430	200	112	66	39	20	12	9	5
Sales	2182	1265	867	573	315	162	96	48	24	16	7	8	0
Plant & machine operatives	344	362	240	133	79	37	21	11	8	1	1	1	0
Other	957	865	662	434	231	126	76	31	21	17	5	2	3
TOTAL VALID	10582	8879	6725	4616	2876	1564	916	542	290	170	79	41	30

Table VI.2d. Classification of all jobs of study mother's partner prior to the study pregnancy using SOC 90

Occupation Group	1st job (pa1001a)	2nd job (pa1011a)	3rd job (pa1021a)	4th job (pa1031a)	5th job (pa1041a)	6th job (pa1051a)	7th job (pa1061a)	8th job (pa1071a)	9th job (pa1081a)	10th job (pa1091a)	11th job (pa1101a)	12th job (pa1111a)	13th job (pa1121a)	14th job (pa1131a)	15th job (pa1141a)	16th job (pa1151a)	17th job (pa1161a)
Managers and administrators	238	322	333	282	206	166	110	71	50	25	17	11	8	5	2	2	3
Professional	293	339	333	289	218	158	92	72	49	35	15	8	5	7	5	1	3
Associate professional & technical	373	427	369	283	196	124	91	68	44	35	25	21	11	6	4	5	1
Clerical & secretarial	840	625	447	277	168	89	66	36	18	17	9	7	6	3	3	3	0
Craft & related	1943	1206	757	467	304	196	112	81	40	27	15	6	7	5	2	2	0
Personal & protective service	481	437	311	178	133	77	57	43	36	20	12	6	10	4	3	2	1
Sales	664	435	336	251	162	117	71	25	12	9	9	8	2	1	2	1	1
Plant & machine operatives	613	621	511	350	236	119	85	59	41	25	18	7	4	2	2	1	0
Other	960	645	447	296	171	118	81	51	32	27	11	13	5	3	4	1	1
TOTAL VALID	6405	5057	3844	2673	1794	1164	765	506	322	220	131	87	58	36	27	18	10

VI.3 Employment status of study parents

(a) Are you currently in paid work?

Yes No

Is your partner currently employed?

Yes No

[Variations on this theme were asked at successive time-points see the actual questionnaires on the ALSPAC website for details]

Questionnaire (question no):

Mother: B(E1b), C (E4a), F (H5a), G (I3c), H(J3c), J (C45a)

Partner: F (G7a), G (H6a), H (H6a), J (E5a)

Table VI.3a Employment status of parents over time

Time	MOTHER		PARTNER	
	Var no.	Proportion employed	Var no.	Proportion employed
18 weeks gestation	b501	7075/12932 ^a		NA
32 weeks gestation	c490	3322/12007		NA
8 months	f635	4933/11110 ^b	f565	9220/10618
21 months	g766	4771/10124	g650	8570/9642
33 months	h667	4704/9424	h530	8012/8928
47 months	j350	4650/8434	j632	7742/8528

NA = not asked in same way, but see Table VI.3b

^a includes 333 who never had a paid job

^b proportion having a paid job since child born

(b) What is the present employment situation of yourself and your partner?

Please tick all that apply.

(i) Yourself (ii) Your partner

Working for an employer full-time (more than 30 hours a week)

Working for an employer part-time (one hour or more a week)

Self-employed, employing other people

Self-employed, not employing other people

On a government employment or training scheme

Waiting to start a job already accepted

Unemployed and looking for a job

At school or in other full-time education

Unable to work because of long-term sickness or disability

Retired from paid work

Looking after the home or family

Other (please describe)

Questionnaire (question no):

Mother: PB (F2a-1), C (H2a-1), E (F6i)

Partner: PB (F2a-1), C (H2a-1), E (F6ii)

[The question in the E file required one answer only but multiple responses were returned and have been coded accordingly.]

Table VI.3b. Current work status of mother and her partner

Work status	MOTHER			PARTNER		
	18 weeks pregnant (pb400-412)	32 weeks pregnant (c710-721)	8 weeks (e700-e712)	18 weeks pregnant (pb380-391)	32 weeks pregnant (c730-741)	8 weeks (e720-e732)
Full-time for employer	3652	2844	213	7023	8072	7657
Part-time for employer	1845	1470	610	180	157	101
Self-employed, employing others	158	183	104	679	873	760
Self-employed not employing others	295	357	192	1085	1372	1169
On training scheme	42	27	11	90	113	52
On maternity leave	NA	NA	3407	NA	NA	NA
Unemployed – waiting to start new job	12	155	75	81	92	25
Unemployed – seeking work	312	448	413	761	913	959
In full-time education	79	71	33	91	115	78
Unable to work – medical reasons	76	81	50	6	80	71
Retired	22	99	52	9	11	8
Looks after home and family	3454	5547	5846	233	161	96
Other	165	1346	595	76	117	132
TOTAL VALID RESPONSE	9957	12418	11080	9957	12418	11007

NA = not asked ^aNot mutually exclusive
 Details of 'other' work status given in e713 and 733.

Supplementary data

Maternity leave also given by b507 (n = 53) and c493 (n = 2927)

VI.4 Life events relating to job circumstances

A life-events inventory was developed comprising 42+ items which were derived for the present study using previous inventories as a basis for selection of items. Three main sources were used in this way¹⁻³ – those of Brown & Harris Barnett et al and Stanley. Each life event had 5 response categories indicating not only whether or not the event occurred but also how greatly the

respondent was affected by it. An additional open item in which the respondent was able to name any event which was not on the inventory was also included. On the basis of these items, two scores may be calculated, the number of life events occurring, and the perceived impact of life events. Analysis of pilot study results showed these two scores to be highly correlated, but the impact scored being a more sensitive predictor of emotional well-being. Here we just provide the items related to work.

References:

1. Brown GW, Harris T. Social Origins of Depression: a Study of Psychiatric Disorder in Women. London: Tavistock Press 1978.
2. Barnett B, Hanna EW, Parker G. Live events for obstetric groups. Journal of Psychosomatic Research 1983; 27: 313-320.
3. Stanley F. Measures of psychosocial variables for the pregnancy home visiting program, University of Western Australia, Personal communication awaiting publication.

Listed below are a number of events which may have brought changes in your life. Have any of these occurred since you became pregnant? If so, please assess how much effect it had on you.

<i>Yes & affected me a lot</i>	<i>Yes, moderately affected</i>	<i>yes, mildly affected</i>	<i>Yes, but did not affect me</i>	<i>No did not happen at all</i>
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Since **

** varied over time as shown in Tables VI.4a-g.

[when more than 1 box was ticked the one with the lower code was used]

(a) Study mother lost her job

Questionnaire (question no):

B (F15), E (E15), F (D15), G (E15), H (E15), J (C15), PB (D12), PC (D12), PD (D12)

Table VI.4a. Study mother lost her job, and how much this affected her

Time span		Var	Affected a lot	Moderately affected	Mildly affected	No effect	Did not happen	TOTAL VALID
From	To							
Onset of pregnancy	Mid-pregnancy	b584	122	80	123	109	11481	11915
Mid-pregnancy	2 months	e414	88	90	74	117	11254	11623
Birth	8 months	f234	68	64	71	89	10899	11191
8 months	21 months	g314	87	59	72	72	9956	10246
18 months	33 months	h224	71	63	85	71	9258	9548
30 months	47 months	j314	99	81	75	66	9164	9485
Onset of pregnancy	Mid- pregnancy	pb171 ^a	51	89	133	126	9287	9686
Mid-pregnancy	2 months	pc211 ^a	26	66	81	127	8010	8310
Birth	8 months	pd231 ^a	24	38	49	94	6835	7040

^a The data refer to how much the mother's partner was affected

(b) Mother's partner lost his job

Questionnaire (question no):

B (F12), E (E12), F (D12), G (E12), H (E12), J (C12), PB (D15), PC (D15), PD (D15)

Table VI.4b Mother's partner lost job and how much this affected study mother

Time span		Var	Affected a lot	Moderately affected	Mildly affected	No effect	Did not happen	TOTAL VALID
From	To							
Onset of pregnancy	Mid-pregnancy	b581	245	228	221	78	11134	11906
Mid-pregnancy	2 months	e411	286	247	222	112	10745	11612
Birth	8 months	f231	311	235	185	71	10389	11191
8 months	21 months	g311	357	247	152	47	9431	10234
18 months	33 months	h221	301	273	140	65	8761	9540
30 months	47 months	j311	246	212	198	69	8760	9485
Onset of pregnancy	Mid- pregnancy	pb174 ^a	307	146	113	80	9036	9682
Mid-pregnancy	2 months	pc214 ^a	259	141	158	97	7655	8310
Birth	8 months	pd234 ^a	194	135	117	82	6514	7042

^a The data refer to how much the mother's partner was affected

(c) Study mother had problems at work

Questionnaire (question no):

B (F14), E (E14), F (D14), G (E14), H (E14), J (C14), PB (D13), PC (D13), PD (D13)

Table VI.4c. Study mother had problems at work and how much this affected study mother

Time span		Var	Affected a lot	Moderately affected	Mildly affected	No effect	Did not happen	TOTAL VALID
From	To							
Onset of pregnancy	Mid-pregnancy	b583	288	346	800	286	10199	11919
Mid-pregnancy	2 months	e413	127	184	293	100	10908	11612
Birth	8 months	f233	177	243	392	128	10251	11191
8 months	21 months	g313	204	299	515	141	9088	10247
18 months	33 months	h223	226	332	431	159	8400	9548
30 months	47 months	j313	230	322	432	152	8349	9485
Onset of pregnancy	Mid- pregnancy	pb172 ^a	151	297	514	301	8410	9673
Mid-pregnancy	2 months	pc212 ^a	47	116	234	165	7748	8310
Birth	8 months	pd232 ^a	33	98	237	136	6537	7041

^a The data refer to how much the mother's partner was affected.

(d) Mother's partner had problems at work

Questionnaire (question no):

B (F13), E (E13), F (D13), G (E13), H (E13), J (C13), PB (D14), PC (D14), PD (D14)

Table VI.4d. Mother's partner had problems at work, and how much this affected study mother

Time span		Var	Affected a lot	Moderately affected	Mildly affected	No effect	Did not happen	TOTAL VALID
From	To							
Onset of pregnancy	Mid-pregnancy	b582	309	562	1075	469	9455	11870
Mid-pregnancy	2 months	e412	336	562	1006	407	9263	11574
Birth	8 months	f232	403	671	996	372	8749	11191
8 months	21 months	g312	409	690	1000	374	7732	10205
18 months	33 months	h222	423	720	903	399	7075	9520
30 months	47 months	j312	367	585	846	279	7408	9485
Onset of pregnancy	Mid- pregnancy	pb173 ^a	508	618	1001	590	6970	9687
Mid-pregnancy	2 months	pc213 ^a	389	512	1063	733	5613	8310
Birth	8 months	pd233 ^a	333	451	881	535	4837	7037

^a The data refer to how much the mother's partner was affected

(e) Study mother started new job

Questionnaire (question no):

B (F31), E (E31), F (D32), G (E32), H (E32), J (C32)

Table VI.4e. Study mother started new job and how much this affected study mother

Time span		Var	Affected a lot	Moderately affected	Mildly affected	No effect	Did not happen	TOTAL VALID
From	To							
Onset of pregnancy	Mid-pregnancy	b600	89	129	147	196	11350	11911
Mid-pregnancy	2 months	e430	23	35	36	66	11453	11613
Birth	8 months	f251	205	294	323	339	10030	11191
8 months	21 months	g331	272	369	433	438	8708	10220
18 months	33 months	h241	271	412	424	454	7989	9550
30 months	47 months	j331	286	418	631	688	7462	9485

(f) Study mother returned to work

Questionnaire (question no):
F (D33), G (E33), H (E33), J (C32)

Table VI.4f. Study mother returned to work and how much this affected study mother

<u>Time span</u>		Var	Affected a lot	Moderately affected	Mildly affected	No effect	Did not happen	TOTAL VALID
From	To							
Birth	8 months	f252	756	1022	1005	861	7547	11191
8 months	21 months	g332	290	365	379	448	8744	10226
18 months	33 months	h242	253	342	340	389	8223	9547
30 months	47 months	j332	228	359	543	512	7843	9485

(g) Mother's partner started new job

Questionnaire (question no):
F (D41), G (E41), H (E41), J (C41), PB (D31), PC (D30), PD (D32)

Table VI.4g. Mother's partner started new job, and how much this affected study mother

<u>Time span</u>		Var	Affected a lot	Moderately affected	Mildly affected	No effect	Did not happen	TOTAL VALID
From	To							
Birth	8 months	f260	215	294	276	290	10116	11191
8 months	21 months	g340	311	344	373	352	8842	10222
18 months	33 months	h250	295	409	423	389	8025	9541
30 months	47 months	j340	242	379	524	456	7884	9485
Onset of pregnancy	Mid- pregnancy	pb190 ^a	250	218	178	303	8734	9683
Mid-pregnancy	2 months	pc229 ^a	225	195	224	292	7374	8310
Birth	8 months	pd251 ^a	211	168	212	237	6212	7040

^a The data refer to how much the mother's partner was affected

VI.5 Current occupation

The current occupation details have been used to classify the SOC 90 codes, using the 1990 classification, the NS-SEC analytic class and when the job status was available, the NS-SEC operational category using the 2000 classification. Details of the process are providing in the Appendix.

The questions below ask about your current occupation and that of your partner.

As far as you can, please describe the actual job, occupation, trade or profession. (Use precise terms such as radio mechanic, woodworking machinist, tool room foreman. If the occupation is known by a special name, please use that name. If in H.M. Forces, give the rank in addition to the actual job. Please also describe the

type of industry or service given: i.e. gives of what is made, materials used, or services given.)

Your present job or last main job.

Actual job, occupation, trade or profession [keyed as text]

(i) *Actual job, occupation, trade or profession*

Questionnaire (question no):

Mother: B (E2a), C (H4ai), G (I3bi), H (J3cii), J (C45b)

Partner: C (H4bii), F (G7b), G (H6b), H (H6b), J (E5b), PB (F3i), PD (F6i), PE (G3a)

(ii) *Type of industry or service given (main things done in job)*

Questionnaire (question no):

Mother: B (E2c), C (H4aiv), G (I3bi), H (J3cii), J (C45b)

Partner: C (H4biv), F (G7b), H (H6b), J (E5b), PB (F3iv), PD (F6iv), PE (G3c)

Please tick which of the following apply to you:

Foreman

Manager

Supervisor

Leading hand

Self-employed

None of these

[when 2 boxes were ticked, the one with the lower code was used.]

Questionnaire (question no):

Mother: C(H4aiii)

Partner: PB (F3iii), PD (F6iii), PE (G3b), C (H4biv)

(a) Job status of parents

TableV1.5a

Job status	Mother^a (c753)	Partner^b (pb416)	Partner^a (c764)	Partner^c (pd637)	Partner^d (pe430)
Foreman	16	201	227	127	122
Manager	939	1903	2142	1628	1536
Supervisor	1103	792	810	663	529
Leading hand	418	686	718	503	412
Self-employed	700	1715	2155	1210	1052
None of these	7128	4000	4250	2714	2302
TOTAL VALID	10304	9297	10302	6845	5953

^a 32 weeks gestation; ^b 18 weeks gestation; ^c 8 months post-delivery; ^d 21 months

(b) Classification of parent's current occupations using SOC 90**Table VI.5bi Classification of study mother's job using SOC 90**

Classification	18 weeks gestation (b509a)	32 weeks gestation (c751a)	21 months (g792a)	33 months (h670a)	47 months (j357a)
Managers and administration	1251	1086	465	400	425
Professional	966	891	545	499	543
Associate professional and technical	1666	1611	924	784	851
Clerical and secretarial	3566	3234	1201	909	1080
Craft and related	358	236	87	78	54
Personal and protective service	1697	1204	674	611	728
Sales	1204	864	527	445	523
Plant and machine operatives	334	227	74	61	54
Other	801	441	356	311	319
TOTAL VALID	11843	9794	4853	4098	4577

Table VI.5bii Classification of mother's partner's job using SOC 90

Classification	MOTHER'S REPORT					PARTNER REPORT		
	32 weeks pregnant (c762a)	8 months (f571a)	21 months (g657a)	33 months (h532a)	47 months (j637a)	18 weeks pregnant (pb414a)	8 months (pd639a)	21 months (pe426a)
Managers and administration	1660	1681	1583	1403	1571	1500	1223	1052
Professional	1323	1309	1197	1023	1057	1256	1010	950
Associate professional and technical	1092	947	946	807	810	1052	813	772
Clerical and secretarial	754	647	633	487	563	676	508	427
Craft and related	2946	2208	1881	1516	1653	2495	1680	1325
Personal and protective service	501	432	416	328	356	456	344	316
Sales	501	426	369	307	337	463	297	257
Plant and machine operatives	1167	995	907	777	841	1034	709	556
Other	552	395	340	319	336	469	303	233
TOTAL VALID	10496	9040	8272	6967	7524	9401	6887	5888

(c) NS-SEC analytic class of parent's current occupations**Table VI.5ci NS-SEC analytic class of mother's job**

Analytic class	18 weeks gestation (b511a)	32 weeks gestation (c756a)	21 months (g793a)	33 months (h671a)	47 months (j358a)
Higher managerial and professional	892	796	438	387	399
Lower managerial and professional	2497	3260	1270	1107	1238
Intermediate occupations	3725	2629	1297	968	1157
Small employers and own account workers	485	385	261	253	249
Lower supervisory and technical	179	574	47	48	39
Semi-routine occupations	2580	1402	1016	937	1095
Routine occupations	1485	748	524	398	400
TOTAL VALID	11843	9794	4853	4098	4577

Table VI.5cii NS-SEC analytic class of mother's partner's job

Classification	32 weeks pregnant (c766a)	MOTHER'S REPORT			47 months (j638a)	PARTNER REPORT		
		8 months (f572a)	21 months (g658a)	33 months (h533a)		18 weeks pregnant (pb417a)	8 months (pd640a)	21 months (pe427a)
Higher managerial and professional	1961	1951	1780	1581	1683	1874	1536	1422
Lower managerial and professional	2514	1733	1730	1473	1567	2349	1858	1635
Intermediate occupations	678	1056	1028	852	904	568	421	390
Small employers and own account workers	1494	1034	911	706	802	1205	816	674
Lower supervisory and technical	1949	1243	970	821	876	1859	1302	1015
Semi-routine occupations	766	932	854	707	829	624	389	302
Routine occupations	1134	1091	999	827	863	922	565	450
TOTAL VALID	10496	9040	8272	6967	7524	9401	6887	5888

(d) NS-SEC operational category of parent's current occupations**Table VI.5d NS-SEC operational category of mother's and mother's partner's jobs**

Classification	MOTHER'S REPORT		PARTNER REPORT		
	32 weeks gestation (c756b)	32 weeks pregnant (c766b)	18 weeks pregnant (pb417b)	8 months (pd640b)	21 months (pe427b)
Employers in large organisations	0	0	0	0	0
Higher managerial occupations	241	631	614	528	476
Higher professional occupations	555	1330	1260	1008	946
Lower professional and higher technical	2054	1275	1209	946	873
Lower managerial	443	772	659	517	423
Higher supervisory	763	467	481	395	339
Intermediate	2629	678	568	421	390
Employers in small organisations	42	302	246	5	4
Own account workers	343	1192	959	811	670
Lower supervisory	492	1161	1191	853	681
Lower technical	82	788	668	449	334
Semi-routine	1402	766	624	389	302
Routine	748	1134	922	565	450
TOTAL VALID	9794	10496	9401	6887	5888

(e) Social class categorisation of parents jobs**Table VI.5e Social class of parents based on current or most recent occupation using SOC 90; 32 weeks gestation**

Social class	Mother (c755)	Mother's partner (C765)
I	591	1193
II	3142	3693
III Nm	4274	1183
III M	783	3411
IV	983	1061
V	220	312
TOTAL VALID	9993	10853

[There were 4 women and 26 partners identified as being in the armed forces, but as no ranks were provided they have been set to missing.]

VI.6 Circumstances surrounding current occupation

(a) Hours work per week

How many hours a week do you now work?

Questionnaire (question no):

Mother: C (E5a), E (F8), G (I3d), H (J3d)

Partner: C (H4bii), PB (F3ii), PD (F6ii)

Table VI.6a No. of hours mother and partner worked per week

No. hours/week	Mother				Partner		
	32 weeks pregnant (c494)	8 months (e523)	21 months (g768)	33 months (h675)	32 weeks pregnant* (c763)	18 weeks pregnant (pb415)	8 months (pd636)
0	108	69	17	4	72	11	11
1-15	642	678	1838	1756	62	50	42
16-25	528	272	1664	1596	83	89	70
26-35	531	95	439	490	713	461	322
36-45	1377	159	657	644	6676	5409	3938
46-89	81	8	73	93	2664	3264	2380
TOTAL VALID	3267	1281	4688	4583	10270	9284	6763
Range	0-84	0-70	0-89	0-80	0-88	0-87	01-88

*Mother report

[N.B. In this table the hours of 90 or more have been omitted as the coding instructions included the use of 90 and 99 for vague and unspecified answers. Anyone using these data is advised to omit these values]

(b) Physical effort needed for job

How would you describe the physical effort you need for your current or most recently job?

very little effort, mostly sitting

some physical effort

quite a lot of physical effort

considerable physical effort

[If more than one box is ticked the highest number is coded]

Questionnaire (question no):

Mother: F (H6), G (I3e), H (J3e)

Partner: PE (G3d)

Table VI.6b Amount of physical effort required for current job

	MOTHER			PARTNER
	8 months (f640)	21 months (g771)	33 months (h678)	21 months (pe431)
Very little effort	1673	1721	1658	2071
Some effort	1417	1534	1519	1568
Quite a lot	1299	1138	1132	1206
Considerable effort	579	422	458	847
TOTAL WORKING	4968	4815	4767	5692

(c) Parents' satisfaction with job

Do you find your job satisfying?

Questionnaire (question no):
Mother: F (H9), G (I6), H (J6)
Partner: PE (G4)

Table VI.6c Satisfaction of parent with current job

Satisfied with job	MOTHER			PARTNER
	8 months (f651)	21 months (g781)	33 months (h688)	21 months (pe432)
Yes	3955	2913	2915	3356
No	851	425	412	432
Sometimes	43	1468	1438	1908
TOTAL WORKING	4849	4806	4765	5696

^a The responses at 8 months were yes/no only. However, 43 women wrote 'sometimes' and this has been coded. It should not be directly compared with the other data points where the 'sometimes' option was given in the questionnaire.

(d) Shift work

There were a number of questions on shift work, with slight variations in wording. The investigator is advised to look at the actual questionnaires to assess whether the wording, and the position of the questions in the context of the surrounding questions will have altered the meaning, before comparing across time.

The first time points just allowed for binary yes/no responses. Subsequent time points allowed for a 3-point frequency response.

Did/do you do shift work Yes No

Questionnaire (question no):
Mother: B (E2d), C (E5b), F (H5c,d), G (I3di), H (J3di)

Do/did you work evening or night shifts Yes No

Questionnaire (question no):
Mother: B (E2e), C (E5c), G (I3dii), H (J3dii), J (C45d)
Partner: G (H6d), H (H6d), J (E5d)

Table VI.6di Whether or not mother works shifts

Time point	var	Proportion yes
<u>Shift (nos)</u>		
18 weeks gestation	b515	1744/11565
32 weeks gestation	c495	554/12084
<u>Works at night or evening</u>		
18 weeks gestation	b516	853/11545
32 weeks gestation	c496	279/12084
8 months	f637	2381/4896
<u>Works at weekends</u>		
8 months	f636	2223/4939

Table VI.6dii Frequency with which parents work shifts

	VAR	Always	Sometimes	Never	TOTAL VALID
<u>The mother</u>					
Evenings or nights					
21 months	g770	1719	859	2188	4766
33 months	h677	1645	1020	2046	4711
47 months	j352	593	680	3279	4552
Weekends					
21 months	g769	1565	792	2407	4764
33 months	h676	1484	906	2309	4699
<u>The mother's partner</u>					
Evenings or nights					
8 months	f567	317	1927	6979	9223
21 months	g654	272	1767	6636	8675
33 months	h535	276	1741	5989	8006
47 months	j634	309 ^a	1652	5845	7806

^a includes 27 stated to be evenings

(e) Leaving home for days as part of job

Leaves home for several days as part of his job

Questionnaire (question no):

Mother: J (C45e)

Partner: G (H6e), H (H6e), J (E5e)

Table VI.6e The frequency with which a parent is away for several days due to work

	VAR	Always	Sometimes	Never	TOTAL VALID
<u>The mother</u>					
47 months	j353	48	362	4259	4669
<u>The partner</u>					
8 months	f568	487	2370	6363	9220
21 months	g655	511	2399	5764	8674
33 months	h536	556	2381	5066	8003
47 months	j635	580	2342	4869	7791

VI.7 Mothers working in pregnancy and with a young child

(a) Working in pregnancy

(i) Asked at 18 weeks gestation

Have you ever had a paid job?

Yes No

Questionnaire (question no):
B (E1a-e)

Of the 13004 women who answered this question, 416 (3.2%) stated 'no' (var b500).

Are you currently working?

Yes No

[Answers to this question are given in Table VI.3a]

If no, what date did you stop working?

[This date was compared with the date of the LMP to derive var b502, the date stopped work in relation to the LMP]

>1 year prior to LMP	633
<1 year prior to LMP	721
since the date of LMP	1384
still working	<u>7075</u>
TOTAL	<u>9813</u>

Why did you stop work at this time?

*ill health/tiredness
looking after children/preparing for baby
made redundant
didn't like the job
moved house
other (please describe)*

The responses are shown below (var b505)

ill health/tiredness	536
preparing for baby/childcare	2373
made redundant	354
did not like the job	251
moved house	232
other reason	<u>611</u>
TOTAL	<u>4357</u>

(ii) Asked at 32 weeks gestation

Have you worked at all this pregnancy? Yes No

If yes, what date did you stop work?

What was the main reason?

ill health
tiredness
company rules
to prepare for the baby
other (please describe)

From these questions, the following data are available:

C491: 7875/11408 stated they had working during the pregnancy

C492: Their main reason for leaving work was as follows:

ill health	314
tiredness	437
company rules	382
to prepare for the baby	2331
other reason	<u>870</u>
TOTAL	<u>4334</u>

C497: From the date which the mother gave as to when she had stopped work, and the date of the LMP, the gestation was computed for 4314 women.

(b) ***Working once child is born***

(i) Age of child when mother started working after the birth of the study child and age when stopped

Table VI.7bi Age of the child when mother last started and stopped work

Age ^a of child	Starting work			Stopped Work	
	e522	g765	h666	g767	h668
<6m	1203	2377	2138	12	10
6-11	7	1868	1698	55	16
12-17	-	763	534	194	32
18+	-	448	1261	303	549
TOTAL VALID	1210	5456	5631	564	607

^a In completed months

(ii) Reasons why mother works

What are the main reasons you work?

*financial, I am important as a breadwinner
financial, for family extras
career
enjoyment
to get out of the home
other (please describe)*

Table VI.7bii Reasons why mother works

Reason^a	8 months (f641-646)	21months (g772-777)	33 months (h680-685)
She is breadwinner	1890	1657	1757
For family extras	3077	3131	3074
It's her career	1601	1620	1755
For enjoyment	2555	2809	2861
To have time for herself	2314	2314	2355
Other reason	333	276	299
TOTAL VALID	5033	4957	4918

^a Not mutually exclusive

[Other reasons why mother works are classified from the text responses in variables f647a, b; g778a, b; h686]

(iii) Status of current job compared with before pregnancy

Are you working at the same status as you did before you had your child?

*didn't work before
no, lower level
yes, same level
no, higher level*

Table VI.7biii Comparison of status of mother's job compared with prior to the study pregnancy

	Var	Now lower	The same	Now higher	TOTAL VALID
At 8 months	f650	1301	3234	258	4793 ^a
At 21 months	g780	1567	2664	383	4614 ^a
At 33 months	h687	1477	2439	523	4439

^a Excluding code 7

(iv) Mother regrets not spending more time with study child

Do you wish that you could spend more time with your child?

yes often
yes sometimes
yes but rarely
no not at all

Table VI.7biv Frequency with which mother wishes she could spend more time with her child

Frequency	21 months (g782)	33 months (h689)
Often	1063	977
Sometimes	1512	1521
Rarely	615	638
Not at all	1544	1560
TOTAL VALID	4734	4696

(v) Mother takes the child to work

In the 8 month questionnaire the mother was asked:

Do you now take the baby to work with you?

Yes *Yes* *No not*
always *sometimes* *at all*

The responses (f639) were:

Yes, always 227
Yes, sometimes 280
No, never 4270
TOTAL VALID 4777

VI.8 Occupations of study child's grandparents.

Categorisation of occupations was as described in VI.5 and the Appendix.

(a) Paternal and maternal grandfathers

The main job your father did at around the time you left school

Actual job, occupation, trade or profession

(i) actual job, trade or profession

Questionnaire (question no):
C (H6a), PB (F5a)

Please tick which of the following apply/applied to him

Foreman
Manager
Supervisor
Leading hand

Self-employed
None of these

[when more than 1 box was ticked, the one with the lower code was taken]

(b) Paternal and maternal grandmothers

The main job your mother did at around the time you left school
(Please put HW if she was a housewife)

Actual job, occupation, trade or profession:

Type of industry or service given (main things done in job):

Questionnaire (question no):
 C (H6a), PB (F4a)

Table VI.8a Grandfathers' job status when study parent left school

Job status	Maternal grandfather (c782)	Paternal grandfather (pb430)
Foreman	759	668
Manager	2146	1853
Supervisor	859	842
Leading hand	705	813
Self-employed	1781	1418
None of these	4177	3291
TOTAL VALID	10427	8885

Table VI.8b Classification of jobs of study child's grandparents using SOC 90

Classification	Mother's mother (c771a)	Mother's father (c781a)	Father's mother (pb426a)	Father's father (pb436a)
Managers and administration	642	1841	479	1532
Professional	560	1130	443	911
Associate professional and technical	603	649	477	504
Clerical and secretarial	1703	601	1161	554
Craft and related	215	2563	234	2426
Personal and protective service	1079	498	779	403
Sales	669	430	458	386
Plant and machine operatives	262	1566	258	1478
Other	1015	632	722	559
TOTAL VALID	6748	9910	5011	8753

Table VI.8c NS-SEC analytic class of study child's grandparents

Classification	Mother's mother (c776a)	Mother's father (c786a)	Father's mother (pb427a)	Father's father (pb437a)
Higher managerial and professional	180	1477	140	1196
Lower managerial and professional	1243	2455	957	2148
Intermediate occupations	1733	552	1187	394
Small employers and own account workers	315	1124	271	977
Lower supervisory and technical	75	2451	96	2519
Semi-routine occupations	1889	718	1351	563
Routine occupations	1313	1133	1009	956
TOTAL VALID	6748	9910	5011	8753

Table VI.8d NS-SEC operational category of study child's grandparents

Classification	Mother's father (c786b)	Father's father (pb437b)
Employers in large organisations	0	1
Higher managerial occupations	619	485
Higher professional occupations	858	710
Lower professional and higher technical	1018	822
Lower managerial	910	750
Higher supervisory	527	576
Intermediate	552	394
Employers in small organisations	5	15
Own account workers	1119	962
Lower supervisory	1864	2007
Lower technical	587	512
Semi-routine	718	563
Routine	1133	956
TOTAL VALID	9910	8753

VI.9 The variables, in addition to the core variables, and edits carried out

Early pregnancy

a430	No. of jobs mother recorded
a701a	Mother's 1 st job – classification (SOC 90)
a707	Mother's 1 st job – duration
a708	Mother's 1 st job – time started prior to LMP
a711a	Mother's 2 nd job – classification (SOC 90)
a717	Mother's 2 nd job – duration
a718	Mother's 2 nd job – time started prior to LMP
a721a	Mother's 3 rd job – classification (SOC 90)
a727	Mother's 3 rd job – duration
a728	Mother's 3 rd job – time started prior to LMP
a731a	Mother's 4 th job – classification (SOC 90)
a737	Mother's 4 th job – duration
a738	Mother's 4 th job – time started prior to LMP
a741a	Mother's 5 th job – classification (SOC 90)
a747	Mother's 5 th job – duration
a748	Mother's 5 th job – time started prior to LMP
a751a	Mother's 6 th job – classification (SOC 90)
a757	Mother's 6 th job – duration
a758	Mother's 6 th job – time started prior to LMP
a761a	Mother's 7 th job – classification (SOC 90)
a767	Mother's 7 th job – duration
a768	Mother's 7 th job – time started prior to LMP
a771a	Mother's 8 th job – classification (SOC 90)
a777	Mother's 8 th job – duration
a778	Mother's 8 th job – time started prior to LMP
a781a	Mother's 9 th job – classification (SOC 90)
a787	Mother's 9 th job – duration
a788	Mother's 9 th job – time started prior to LMP
a791a	Mother's 10 th job – classification (SOC 90)
a797	Mother's 10 th job – duration
a798	Mother's 10 th job – time started prior to LMP
a801a	Mother's 11 th job – classification (SOC 90)
a807	Mother's 11 th job – duration
a808	Mother's 11 th job – time started prior to LMP
a811a	Mother's 12 th job – classification (SOC 90)
a817	Mother's 12 th job – duration
a818	Mother's 12 th job – time started prior to LMP
a821a	Mother's 13 th job – classification (SOC 90)
a827	Mother's 13 th job – duration
a828	Mother's 13 th job – time started prior to LMP

18 weeks pregnant

b500	Ever had a paid job
b501	Whether currently working
b502	Time stopped work in relation to study pregnancy
b505	Reason for stopping work
b507	On paid maternity leave
b509a	Classification of mother's job (SOC 90)
b511a	NS-SEC analytic class of mothers' present or most recent job

b515	Mother works shifts
b516	Mother works night shifts
b581	Mother's partner lost job since start of pregnancy
b582	Mother's partner had problems at work since start of pregnancy
b583	Mother had problems at work since start of pregnancy
b584	Mother lost her job since start of pregnancy
b600	Mother started new job since start of pregnancy

32 weeks pregnant

c490	Currently in paid work
c491	Worked during this pregnancy
c492	Main reason for leaving work
c493	Mother currently on paid maternity leave
c494	No. hours worked per week [>89 put to missing]
c495	Mother works shifts
c496	Mother works night shifts
c497	Gestation at which mother stopped work
c710	Mother works full-time for employer
c711	Mother works part-time for employer
c712	Mother self employed, employing others
c713	Mother self employed, no employees
c714	Mother on training scheme
c715	Mother waiting to start new job
c716	Mother unemployed, seeking job
c717	Mother in full-time education
c718	Mother unable to work for medical reasons
c719	Mother is retired
c720	Mother looks after home and family
c721	Mother is in other employment situation
c730	Mother's partner works full-time for employer
c731	Mother's partner works part-time for employer
c732	Mother's partner self-employed, employing others
c733	Mother's partner self-employed, no employees
c734	Mother's partner on training scheme
c735	Mother's partner waiting to start new job
c736	Mother's partner unemployed, seeking job
c737	Mother's partner in full-time education
c738	Mother's partner unable to work for medical reasons
c739	Mother's partner retired
c740	Mother's partner looks after home and family
c741	Mother's partner is in other employment situation
c751a	Classification of mother's job (SOC 90)
c753	Mother's job status
c755	Mother's social class [code 65 = missing]
c756a	NS-SEC analytic class of mother's job
c756b	NS-SEC operational category of mother's job
c762a	Classification of mother's partner's job (SOC 90)
c763	Hours worked by partner per week [>89 put to missing]
c764	Partner's job status
c765	Social class of partner [code 65 = missing]
c766a	NS-SEC analytic class of partner's job
c766b	NS-SEC operational category of partner's job
c771a	Mother's mother's classification of job (SOC 90)

c776a	NS-SEC analytic class of mother's mother's job
c781a	Mother's father's classification of job (SOC 90)
c782	Mother's father's job status
c786a	NS-SEC analytic class of mother's father's job
c786b	NS-SEC operational category of mother's father's job

8 weeks post-delivery

e411	Mother's partner lost job since mid-pregnancy
e412	Mother's partner had problems at work since mid-pregnancy
e413	Mother had problems at work since mid-pregnancy
e414	Mother lost job since mid-pregnancy
e430	Mother started new job since mid-pregnancy
e520	Job situation of study mother
e521	Job situation of mother's partner
e522	Age of child when mother started work
e523	Hours worked per week [>89 put to missing]
e700	Mother currently working full-time
e701	Mother currently working part-time
e702	Mother currently self-employed, employing others
e703	Mother currently self-employed, not employing others
e704	Mother currently on paid maternity leave
e705	Mother currently on training scheme
e706	Mother currently waiting to start job
e707	Mother currently unemployed
e708	Mother currently in full-time education
e709	Mother currently unable to work for medical reasons
e710	Mother currently retired
e711	Mother looking after home and family
e712	Mother currently in other job situation
e720	Mother's partner currently working full-time
e721	Mother's partner currently working part-time
e722	Mother's partner currently self-employed, employing others
e723	Mother's partner currently self-employed, not employing others
e725	Mother's partner currently on training scheme
e726	Mother's partner currently waiting to start job
e727	Mother's partner currently unemployed
e728	Mother's partner currently in full-time education
e729	Mother's partner currently unable to work for medical reasons
e730	Mother's partner currently retired
e731	Mother's partner looking after home and family
e732	Mother's partner currently in other job situation

8 months

f231	Mother's partner lost job since child was born
f232	Mother's partner had problems at work since child was born
f233	Mother had problems at work since child was born
f234	Mother lost job since child was born
f251	Mother started new job since child was born
f252	Mother returned to work since child was born
f260	Mother's partner started new job since child was born
f565	Mother's partner currently employed
f567	Mother's partner works night shifts
f568	Mother's partner away for days due to work

f571a	Classification of partner's current job (SOC 90)
f572a	NS-SEC analytic class of mother's partner
f635	Mother had a paid job since the child was born
f636	Mother works at weekends
f637	Mother works evening/night shifts
f639	Mother takes child to work
f640	Amount of physical effort required for job
f641	Mother works because she is breadwinner
f642	Mother works for family extras
f643	Mother works because it's her career
f644	Mother works for enjoyment
f645	Mother works to have time for herself
f646	Mother works for other reasons
f647a	Other reasons why mother works
f647b	
f650	Status of present job compared to before baby born [7 = missing]
f651	Mother's satisfaction with current job

21 months

g311	Mother's partner lost job since child was 8 months
g312	Mother's partner had problems at work since child was 8 months
g313	Mother had problems at work since child was 8 months
g314	Mother lost job since child was 8 months
g331	Mother started new job since child was 8 months
g332	Mother returned to work since child was 8 months
g340	Mother's partner started new job since child was 8 months
g650	Whether mother's partner is employed
g654	Mother's partner works nights
g655	Mother's partner works away for days
g657a	Classification of partner's current job (SOC 90)
g658a	NS-SEC analytic class of mother's partner's job
g764	Whether mother started work since having the baby
g765	Age of child when mother started work
g766	Whether mother still working
g767	Age of child when mother stopped work
g768	Hours per week mother works [>89 put to missing]
g769	Mother works at weekends
g770	Mother works night shifts
g771	Amount of physical effort required for job
g772	Mother works because she is breadwinner
g773	Mother works for family extras
g774	Mother works because it's her career
g775	Mother works for enjoyment
g776	Mother works to get out of the home
g777	Mother works for other reason
g778a	Other reasons why mother works
g778b	
g780	Status of present job compared with before child born [7 = missing]
g781	Mother's satisfaction with current job
g782	Mother's wishes she could spend more time with child
g792a	Classification of mother's current job (SOC 90)
g793a	NS-SEC analytic class of mother's job

33 months

h221	Mother's partner lost job since child was 18 months
h222	Mother's partner had problems at work since child was 18 months
h223	Mother had problems at work since child was 18 months
h224	Mother lost job since child was 18 months
h241	Mother started new job since child was 18 months
h242	Mother returned to work since child was 18 months
h250	Mother's partner started new job since child was 18 months
h530	Whether mother's partner is employed
h532a	Classification of partner's current job (SOC 90)
h533a	NS-SEC analytic class of mother's partner's job
h535	Mother's partner works nights
h536	mother's partner works away for days
h665	Whether mother started work since having the baby
h666	Age of child when mother started work
h667	Whether mother currently working
h668	Age of child when mother stopped work
h670a	Classification of mother's current job (SOC 90)
h671a	NS-SEC analytic class of mother's current job
h675	No. of hours mother works per week [>89 put to missing]
h676	Mother works at weekends
h677	Mother works evening/nights
h678	Amount of physical effort required for job
h680	Mother works because she is breadwinner
h681	Mother works for family extras
h682	Mother works because it's her career
h683	Mother works for enjoyment
h684	Mother works to get out of the home
h685	Mother works for other reason
h686	Other reasons why mother works
h687	Status of present job compared with before child born [7 = missing]
h688	Mother's satisfaction with current job
h689	Mother's wishes she could spend more time with child

47 months

j311	Mother's partner lost job since child was 30 months
j312	Mother's partner had problems at work since child was 30 months
j313	Mother had problems at work since child was 30 months
j314	Mother lost job since child was 30 months
j331	Mother started new job since child was 30 months
j332	Mother returned to work since child was 30 months
j340	Mother's partner started new job since child was 30 months
j350	Whether mother currently employed
j352	Mother works nights
j353	Mother leaves home for several nights due to work
j357a	Classification of mother's current job (SOC 90)
j358a	NS-SEC analytic class of mother's current job
j632	Mother's partner currently employed
j634	Mother's partner works nights
j635	Mother's partner leaves home for several nights due to work [0 = missing]
j637a	Classification of mother's partner's current job (SOC 90)
j638a	NS-SEC analytic class of partner's current job

Partner in pregnancy

pa061	No. of jobs mother's partner recorded
pa1001a	Mother's partner 1 st job – classification (SOC 90)
pa1007	Mother's partner 1 st job – duration
pa1008	Mother's partner 1 st job – time started prior to LMP
pa1011a	Mother's partner 2 nd job – classification (SOC 90)
pa1017	Mother's partner 2 nd job – duration
pa1018	Mother's partner 2 nd job – time started prior to LMP
pa1021a	Mother's partner 3 rd job – classification (SOC 90)
pa1027	Mother's partner 3 rd job – duration
pa1028	Mother's partner 3 rd job – time started prior to LMP
pa1031a	Mother's partner 4 th job – classification (SOC 90)
pa1037	Mother's partner 4 th job – duration
pa1038	Mother's partner 4 th job – time started prior to LMP
pa1041a	Mother's partner 5 th job – classification (SOC 90)
pa1047	Mother's partner 5 th job – duration
pa1048	Mother's partner 5 th job – time started prior to LMP
pa1051a	Mother's partner 6 th job – classification (SOC 90)
oa1057	Mother's partner 6 th job – duration
pa1058	Mother's partner 6 th job – time started prior to LMP
pa1061a	Mother's partner 7 th job – classification (SOC 90)
pa1067	Mother's partner 7 th job – duration
pa1068	Mother's partner 7 th job – time started prior to LMP
pa1071a	Mother's partner 8 th job – classification (SOC 90)
pa1077	Mother's partner 8 th job – duration
pa1078	Mother's partner 8 th job – time started prior to LMP
pa1081a	Mother's partner 9 th job – classification (SOC 90)
pa1087	Mother's partner 9 th job – duration
pa1088	Mother's partner 9 th job – time started prior to LMP
pa1091a	Mother's partner 10 th job – classification (SOC 90)
pa1097	Mother's partner 10 th job – duration
pa1098	Mother's partner 10 th job – time started prior to LMP
pa1101a	Mother's partner 11 th job – classification (SOC 90)
pa1107	Mother's partner 11 th job – duration
pa1108	Mother's partner 11 th job – time started prior to LMP
pa1111a	Mother's partner 12 th job – classification (SOC 90)
pa1117	Mother's partner 12 th job – duration
pa1118	Mother's partner 12 th job – time started prior to LMP
pa1121a	Mother's partner 13 th job – classification (SOC 90)
pa1127	Mother's partner 13 th job – duration
pa1128	Mother's partner 13 th job – time started prior to LMP
pa1131a	Mother's partner 14 th job – classification (SOC 90)
pa1137	Mother's partner 14 th job – duration
pa1138	Mother's partner 14 th job – time started prior to LMP
pa1141a	Mother's partner 15 th job – classification (SOC 90)
pa1147	Mother's partner 15 th job – duration
pa1148	Mother's partner 15 th job – time started prior to LMP
pa1151a	Mother's partner 16 th job – classification (SOC 90)
pa1157	Mother's partner 16 th job – duration
pa1158	Mother's partner 16 th job – time started prior to LMP
pa1161a	Mother's partner 17 th job – classification (SOC 90)
pa1167	Mother's partner 17 th job – duration
pa1168	Mother's partner 17 th job – time started prior to LMP

Partner at 18 weeks gestation

pb171	Mother lost job since she became pregnant
pb172	Mother had problems at work since she became pregnant
pb173	Mother's partner had problems at work since mother became pregnant
pb174	Mother's partner lost job since mother became pregnant
pb190	Mother's partner started new job since mother became pregnant
pb380	Mother's partner works full-time for employer
pb381	Mother's partner works part-time for employer
pb382	Mother's partner self-employed, employing others
pb383	Mother's partner self-employed, not employing others
pb384	Mother's partner on training scheme
pb385	Mother's partner waiting to start new job
pb386	Mother's partner unemployed, seeking work
pb387	Mother's partner in full-time education
pb388	Mother's partner unable to work for medical reasons
pb389	Mother's partner retired
pb390	Mother's partner looks after home and family
pb391	Mother's partner has other employment situation
pb400	Mother works full-time for employer
pb401	Mother works part-time for employer
pb402	Mother self employed, employing others
pb403	Mother self employed, no employees
pb404	Mother on training scheme
pb405	Mother waiting to start new job
pb406	Mother unemployed, seeking job
pb407	Mother in full-time education
pb408	Mother unable to work for medical reasons
pb409	Mother is retired
pb410	Mother looks after home and family
pb411	Mother is in other employment situation
pb414a	Classification of partner's job (SOC 90)
pb415	Hours partner worked per week [>89 put to missing]
pb416	Mother's partner's job status
pb417a	NS-SEC analytic class of partner's job
pb417b	NS-SEC operational category of partner's job
pb426a	Classification of partner's mother's job (SOC 90)
pb427a	NS-SEC analytic class of mother's job
pb430	Partner's father's job status
pb436a	Classification of partner's father's job (SOC 90)
pb437a	NS-SEC analytic class of partner's father's job
pb437b	NS-SEC operational category of partner's father's job

Partner at 8 weeks

pc211	Study mother lost job since mid-pregnancy
pc212	Study mother had problems at work since mid-pregnancy
pc213	Mother's partner had problems at work since mid-pregnancy
pc214	Mother's partner lost job since mid-pregnancy
pc229	Mother's partner started new job since mid-pregnancy

Partner at 8 months

pd231	Study mother lost job since baby born
pd232	Study mother had problems at work since baby born

pd233	Mother's partner had problems at work since baby born
pd234	Mother's partner lost job since baby born
pd251	Mother's partner started new job since baby born
pd635	Mother's partner's job situation
pd636	Mother's partner's hours worked per week [>89 put to missing]
pd637	Mother's partner's job position
pd639a	Classification of mother's partner's job (SOC 90)
pd640a	NS-SEC analytic class of mother's partner's job
pd640b	NS-SEC operational category of mother's partner's job

Partner at 21 months

pe426a	Classification of mother's partner's job (SOC 90)
pe427a	NS-SEC analytic class of mother's partner's job
pe427b	NS-SEC operational category of mother's partner's job
pe430	Job status of mother's partner
pe431	Amount of physical effort required for job
pe432	Mother's partner's satisfaction with current job

VI.10

Suggested statistical exercises

1. How do the mother's reports of her partner's occupation correlate with his in regard to classifications such as SOC 90, NS-SEC analytic class and NS-SEC operational category?
2. What is the social profile of women whose partners are unemployed? How does this change over time?
3. How do the parental occupation classifications compare with one another, and with those of their own parents? Are there differences in regard to parental ages?
4. How do the parents rate the effect on them of changes in job circumstances of themselves and of their partner? Does the fact that the mother has lost her job have the same effect on her partner as the effect on the mother of her partner losing his job?
5. How much physical effort is perceived to be used for different classifications of job? Does this vary with the age and ethnic origin of the mother, with the no. of hours worked or whether she works shifts?
6. What distinguishes those saying that they are satisfied with their jobs from those that are not?
7. How constant are the descriptions of returning to work outlined in section VI.6b? Are the reports of lower status reflected in occupational classifications? Are the women who work for career reasons, those who particularly wish they could spend more time with their child?

Appendix

Deriving NS-SEC

NS-SEC (National Statistics Socio-Economic Classification) is an eight class occupation based classification designed to measure employment relations and conditions of occupations. These allow delineation of the structure of socio-economic position and in turn help explain variation in social behaviour (Source:ONS). NS-SEC is currently based on the Standard Occupational Classification published in June 2000 (SOC2000).

There are three possible ways of deriving the NS-SEC categories and these depend on the level of information recorded. The 'Full' method requires the SOC2000 unit group, employment status and size of organisation. The 'Reduced' method uses SOC2000 unit group and employment status and finally, the 'Simple' method uses just the SOC2000 unit group. Due to ALSPAC questionnaires not asking about organisation size it was not possible to derive NS-SEC using the 'Full' method so the 'Reduced' method was used wherever possible instead. If it was not possible to derive NS-SEC using the 'reduced' method due to lack of information from the questionnaires the 'Simple' method was used.

For a number of files the information as to whether the respondent was self employed and employed others or not was missing as the question was not asked in the relevant questionnaire. However, it was still possible to derive NS-SEC using the reduced method.

The following table indicates which variables used which method to derive NS-SEC

File	Variable	Method
A	D3, C8	Simplified
B	E2a, C4a	Simplified
C	H4a, H4b	Reduced
C	H6a	Reduced (Missing info)
C	H5a	Simplified
F	G7b, H5b	Simplified
G	H6b, L3c, L3b	Simplified
H	H6b, J3c	Simplified
J	C45b, E5b	Simplified
PA	B2	Simplified
PB	F3	Reduced
PB	F5a	Reduced (Missing info)
PB	F4a	Simplified
PD	F6	Reduced (Missing info)
PE	G3	Reduced (Missing info)

Table 1. Derivation method used to calculate NS-SEC

The steps for deriving NS-SEC are as follows:

- 1) Text from the questions asking the respondent about their occupation was imported into the CASCOT (Computer Assisted Structured Coding Tool) package recommended and supplied by Peter Elias. This allowed the text to be passed through several processes both automatic and with user intervention to code it to the SOC2000 classification and produce a file of data that could be imported into SPSS.
- 2) Wherever possible the employment status of each individual was derived using a set of matrices available from the ONS converted to SPSS system file format and matched to the data output from CASCOT containing the SOC2000 codes. For those cases with missing information but where inferences could be made based on the text answers the employment status variable was derived using the flow chart in Figure 1 below.

- 3) Once the employment status was derived the managerial/supervisory status of respondents was amended depending on answers provided within the text.
- 4) The appropriate NS-SEC category was then calculated using the employment status code and SOC2000 code using a further set of matrices and SPSS syntax..

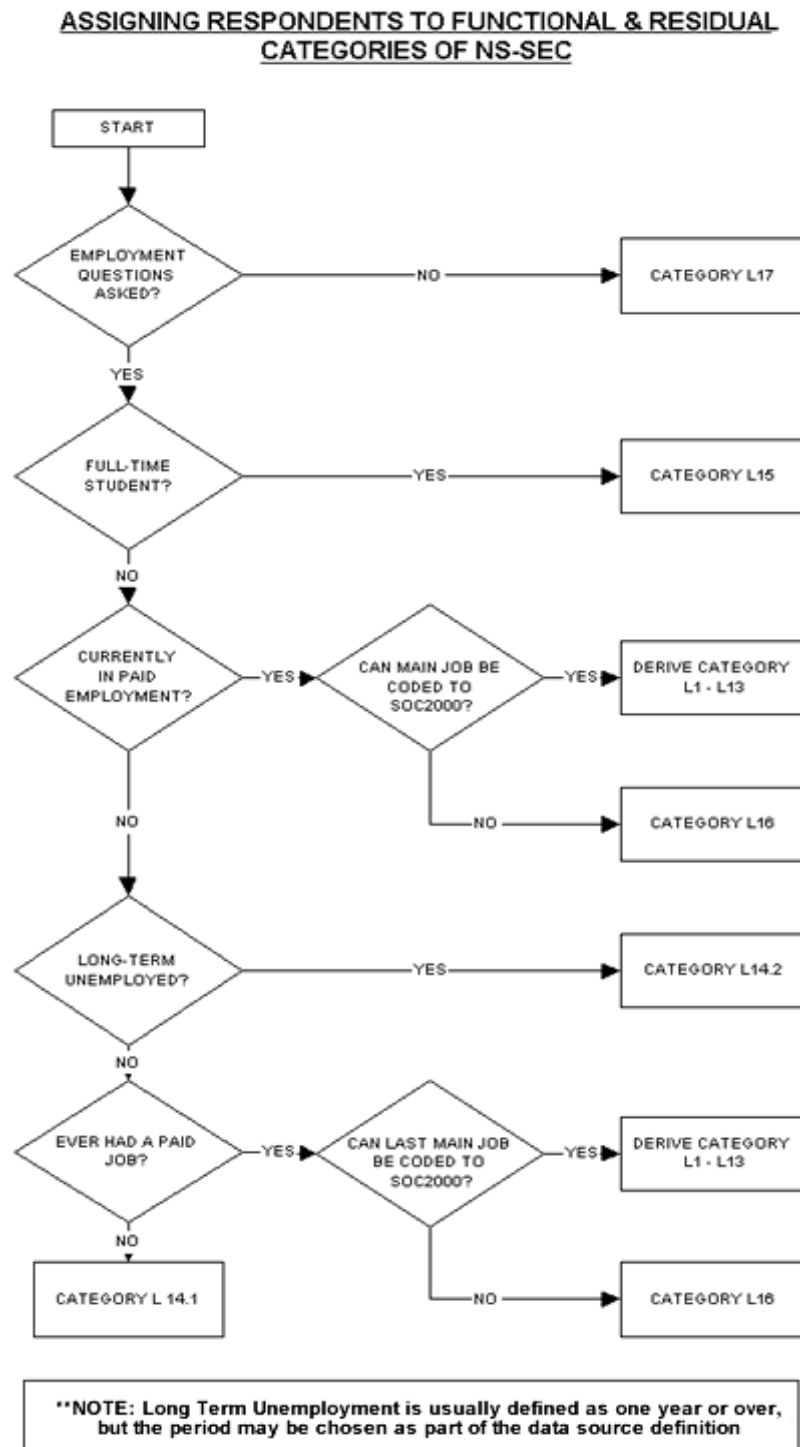


Fig.1 Employment Status Flow Chart (Source:ONS)