

8 Tracing rates

This chapter examines the tracing rates in both the whole Longitudinal Study (LS) sample and in subgroups of the sample at each point in time when a new Census–LS sample is selected. It does not examine linkage between the samples over time (covered in Chapter 5) but considers each sample independently.

8.1 THE USE AND MEASUREMENT OF TRACING IN THE LS

Tracing is a term used throughout this volume to denote whether a member of the LS has an NHS number. As discussed in previous chapters, the possession of an NHS number is essential to permit the linkage of events to an LS member. Only those members of the sample with NHS numbers (traced members) will therefore be valid to use in the analysis of events, such as births or deaths, occurring to members of the LS sample over time. To define the quality of the sample a tracing measure was devised - the ‘not traced’ rate. This measure defines the percentage of the sample (or subgroup of the sample) who do not possess an NHS number and to whom no event can be linked. For subgroup_{*i*} the ‘not-traced’ rate is defined as:

$$\frac{\text{number 'not traced' in subgroup}_i}{\text{original sample in subgroup}_i} \times 100\%$$

and the traced rate can thus be defined as:

$$100 - (\text{the 'not traced' rate}).$$

8.2 THE THREE CENSUS–LS SAMPLES

Three separate 1 per cent Census–LS samples based on the four LS dates of birth were drawn at each of the 1971, 1981 and 1991 Censuses. Each of the samples was examined at NHSCR to establish whether the members were traced or untraced. Initially this was done to establish the ‘definitive’ sample for analysis in 1971. In 1981 and 1991 the tracing of members was done as part of the Census–LS link (see Chapter 5).

Of the initial sample of 529,764 LS members selected from the 1971 Census, 512,881 were traced at NHSCR. The number who had still not been traced by 1976 when the 1971 sample files were frozen, was 16,883 (3.2 per cent). It should be noted that the sample actually selected in 1971 was 529,980 persons but this included 76 persons for whom the basic data were found to be inadequate. These individuals were excluded from the sample bringing the total number of persons down to 529,904. Over the period

1992–1993 all source files (including the 1971 and 1981 Census–LS files) were cleaned prior to being loaded onto the Model 204 database. A further 179 members of the 1971 sample were traced during cleaning and this brought the number of traced LS members up to 513,060 and reduced the number of untraced members to 16,844.

Tracing in the initial sample was simple; either a person was traced (had an NHS number) or was not. By the 1981 Census, when the next 1 per cent sample was drawn, the tracing categories had become more complex to allow the selection of subsamples of the LS population. Eighteen categories of what became known as ‘tracing history indicators’ had been defined (see Appendix XIII). Fifteen of these categories were traced and three were untraced. The traced groups in 1981 included new entrants at the 1981 Census, first decade births occurring on LS dates after the 1971 Census, and first decade immigrants who were born on LS dates. Among the traced LS members who were not included in the 1981 sample were those who had emigrated or died intercensally, and those who were present and traced at the 1971 Census but were not found in the 1981 Census.

The sample drawn in 1981 consisted of 536,243 LS members of whom 528,310 were traced. Only 7,933 members (1.5 per cent) in the 1981 sample were not traced by 1985. Ninety-nine further members were deleted from the file in 1986 when it was discovered that they were duplicates. After the cleaning exercise in 1992–3, the 1981 sample consisted of 536,144 LS members of whom 530,228 were traced and 5,916 (1.1 per cent) were still untraced. After the creation of the Model 204 LS database and further checking of the data the sample was reduced to 535,859 LS members of whom 530,248 were found to be traced and 5,614 untraced. The tables for 1981 tracing rates in this chapter were created before the database was loaded and use the earlier figures.

At the 1991 Census a further 1 per cent sample was drawn, consisting of 553,722 LS members. After resolving multiple enumerations and deleting duplicate records, a total of 543,884 LS members remained as the 1991 sample. Of these, 534,655 members were traced at NHSCR leaving 9,229 members still untraced at the end of 1994.

Tracing history indicators had been further expanded to take into account the second decade additions and subtractions of members to the LS. Again the 1991 sample consisted only of those members who were alive and enumerated in England and Wales on Census day 1991. They had either been present at a previous Census (or censuses), were new entrants at the 1991 Census or had entered intercensally as new births or immigrants into the LS.

8.3 TRACING RATES IN THE INITIAL 1971 CENSUS-LS SAMPLE

The initial LS sample was selected from the 1971 Census of population based on four dates of birth (see Chapter 3). The 1971 sample consisted of 529,904 persons of whom 257,842 were male and 272,062 were female. A total of 97.2 per cent of the males and 96.5 per cent of the females were traced at NHSCR by 1985. These tracing rates did not change with the addition of a further 179 traced members after the cleaning of the 1971 files in 1992-3.

8.3.1 By age, sex and marital status

An age and sex breakdown of the sample showing the 'not traced' rates is given in Table 8.1. There were quite wide variations in the 'not traced' rates among the different age groups, particularly for females. 'Not traced' rates among males ranged from 4.10 per cent for those aged 20-24 to 1.76 per cent in the oldest age group (those aged 75 and over). The highest 'not traced' rates were found among those men aged 15-44, ranging from 3.19 per cent in the 40-44 age group, up to 4.10 per cent in the 20-24 age group.

'Not traced' rates among females were generally higher than those found among males, ranging from 1.86 per cent among the youngest age group to 5.6 per cent for the 20-24 and 30-34 age groups. Much of the variation among

females in the initial sample may be explained by a change of name at marriage which had not been reported to NHSCR by the time of the 1971 Census-LS sample selection exercise.

Table 8.2 shows the sample disaggregated by age, sex and marital status. Although the 'not traced' rates show wide variability, it is particularly noticeable that the 'not traced' rates among younger married women (aged 15-24) and the younger age groups of divorced women were high. The highest rates (8 per cent and over) occurred in those subgroups where the numbers are small and consequently not too much weight should be placed on these rates. The higher rates for married and divorced women are probably a result of a name change, as many women change their name following divorce as well as on marriage (or remarriage). The lowest 'not traced' rates for males were found among those men who were married, while for females the lowest rates were found among single women.

8.3.2 By country of birth

A breakdown of the sample by sex and country of birth is given in Table 8.3. The highest 'not traced' rates were found among the population born outside the UK particularly among those born in the New Commonwealth and in the USA. Among people originating from New Commonwealth countries, those from Pakistan showed 'not traced' rates of 25 per cent and over.

Table 8.1 1971 LS sample population by sex, age and 'not traced' rates*

Age	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
0-4	20,949	441	21,390	2.06	20,160	383	20,543	1.86
5-9	21,878	502	22,385	2.24	20,776	435	21,211	2.05
10-14	19,828	515	20,343	2.53	18,718	388	19,106	2.03
15-19	17,927	627	18,554	3.38	16,889	550	17,439	3.15
20-24	19,161	819	19,980	4.10	19,023	1,129	20,152	5.60
25-29	16,959	691	17,650	3.92	16,152	944	17,096	5.52
30-34	15,646	634	16,281	3.89	14,506	855	15,361	5.57
35-39	15,126	571	15,697	3.64	14,402	828	15,230	5.44
40-44	15,712	518	16,230	3.19	15,200	761	15,961	4.77
45-49	16,382	425	16,807	2.53	16,790	664	17,454	3.80
50-54	15,016	367	15,383	2.39	15,752	494	16,246	3.04
55-59	15,679	358	16,037	2.23	16,804	491	17,295	2.84
60-64	14,088	276	14,364	1.92	15,691	482	16,173	2.98
65-69	11,270	223	11,493	1.94	14,250	360	14,610	2.46
70-74	7,224	152	7,376	2.06	11,319	342	11,661	2.93
75+	7,738	139	7,877	1.76	16,045	479	16,524	2.90
Total	250,583	7,259	257,842	2.82	262,477	9,585	272,062	3.52

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.2 1971 LS sample population by sex, age, marital status and 'not traced' rates*
(a) Males

Marital status		Traced cases	Untraced cases	Selected sample	'Not traced' rate
Single	0 - 14	62,655	1,459	64,114	2.28
	15 - 19	17,530	604	18,134	3.33
	20 - 24	11,858	609	12,467	4.88
	25 - 29	4,158	310	4,468	6.94
	30 - 34	2,056	155	2,211	7.01
	35 - 39	1,592	100	1,692	5.91
	40 - 44	1,619	98	1,717	5.71
	45 - 49	1,580	89	1,669	5.33
	50 - 64	3,654	208	3,862	5.39
	65+	1,858	74	1,932	3.83
	Total	108,560	3,706	112,266	3.30
Married	15 - 19	397	23	420	5.48
	20 - 24	7,264	210	7,474	2.81
	25 - 29	12,634	372	13,006	2.86
	30 - 34	13,323	462	13,785	3.35
	35 - 39	13,265	452	13,717	3.30
	40 - 44	13,741	406	14,147	2.87
	45 - 49	14,334	313	14,647	2.14
	50 - 64	38,869	714	39,583	1.80
	65+	19,183	311	19,494	1.60
		Total	133,010	3,263	136,273
Widowed	15 - 19	0	0	0	0.0
	20 - 24	5	0	5	0.0
	25 - 29	12	1	13	7.69
	30 - 34	20	0	20	0.0
	35 - 39	29	4	33	12.12
	40 - 44	102	3	105	2.86
	45 - 49	195	9	204	4.41
	50 - 64	1,672	58	1,730	3.35
	65+	5,044	122	5,166	2.36
		Total	7,079	197	7,276
Divorced	15 - 19	0	0	0	0.0
	20 - 24	34	0	34	0.0
	25 - 29	155	8	163	4.91
	30 - 34	247	17	264	6.44
	35 - 39	240	15	255	5.88
	40 - 44	250	11	261	4.21
	45 - 49	273	14	287	4.88
	50 - 64	588	21	609	3.45
	65+	147	7	154	4.55
		Total	1,934	93	2,027

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.2 1971 LS sample population by sex, age, marital status and 'not traced' rates*
(b) Females

Marital status		Traced cases	Untraced cases	Selected sample	'Not traced' rate
Single	0-14	59,654	1,206	60,860	1.98
	15-19	15,373	421	15,794	2.67
	20-24	7,411	414	7,825	5.29
	25-29	2,131	152	2,283	6.66
	30-34	1,091	93	1,184	7.85
	35-39	992	58	1,050	5.52
	40-44	1,082	63	1,145	5.50
	45-49	1,268	64	1,332	4.80
	50-59	2,889	118	3,007	3.92
	60+	7,602	247	7,849	3.15
	Total	99,493	2,836	102,329	2.77
Married	15-19	1,516	129	1,645	7.84
	20-24	11,531	698	12,229	5.71
	25-29	13,719	760	14,479	5.25
	30-34	12,989	720	13,709	5.25
	35-39	12,922	732	13,654	5.36
	40-44	13,383	646	14,029	4.60
	45-49	14,465	555	15,020	3.70
	50-59	25,447	696	26,143	2.66
	60+	25,299	643	25,942	2.48
		Total	131,271	5,579	136,850
Widowed	15-19	0	0	0	0.0
	20-24	16	2	18	11.11
	25-29	37	1	38	2.63
	30-34	97	8	105	7.62
	35-39	148	11	159	6.92
	40-44	382	25	407	6.14
	45-49	706	25	731	3.42
	50-59	3,529	129	3,658	3.53
	60+	23,852	751	24,603	3.05
		Total	28,767	952	29,719
Divorced	15-19	0	0	0	0.0
	20-24	65	15	80	18.75
	25-29	265	31	296	10.47
	30-34	329	34	363	9.37
	35-39	340	27	367	7.37
	40-44	353	27	380	7.11
	45-49	351	20	371	5.39
	50-59	691	42	733	5.73
	60+	552	22	574	3.83
		Total	2,946	218	3,164

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

High 'not traced' rates among those born overseas may be accounted for by a number of reasons.

- (i) Until an immigrant registers with a GP he or she will not be known to NHSCR. Only on registration with an NHS doctor will the immigrant be issued with an NHS number and become traceable.
- (ii) The recording of names of persons originating from the Indian subcontinent (India, Pakistan and Bangladesh) is not always consistent. It is not always obvious which name should be used as a surname and which as a forename, and the order in which the names may be recorded may vary at different times of reporting. This also applies to persons of Chinese origin who may record their surname first. Unfamiliar names are also liable to transcription errors (from Census form to LS index card and from document to document in the NHSCR registration system). As a result names originating from certain areas of the world are more difficult to trace in the registers at NHSCR.
- (iii) Some immigrants tend to give inaccurate or inconsistent dates of birth on different documents. This may be due to language difficulties or dating differences as well as genuinely not knowing their date of birth.

- (iv) North American males show particularly high 'not traced' rates (19.35 per cent in the 1971 sample). Much of this may be explained by the large numbers of Americans in US Armed Forces resident in Britain at the time of the 1971 Census. USAF personnel have their own medical services and therefore never enter the NHS system.

Table 8.4 gives a more detailed breakdown of some of the major birthplace areas by age and sex. (A five-year age breakdown was not done due to the small numbers that would have resulted.) The age groups used were 0–14, 15–29, 30–44, 45–retired and over retirement age.

The area with the highest overall 'not traced' rates in 1971 was the New Commonwealth and Pakistan with 'not traced' rates of 17.41 per cent for males and 16.72 per cent for females. Examined further, LS members whose birthplace was India and Pakistan made up 52 per cent of the membership from the New Commonwealth and Pakistan area. The highest 'not traced' rates were found in the 0–14 age group both for males and females. Males aged less than 15 who were born in India had 'not traced' rates of 21.35 per cent and females in the same age group 23.83 per cent. Among those LS members who were born in Pakistan, males aged less than 15 had 'not traced' rates of 34.92 per cent and females in the same age group 39.55 per cent. The overall 'not traced' rates for all LS members born in Pakistan were 25.04 per cent for males and 27.21 per cent for females.

Table 8.3 1971 LS sample population by sex, country of birth and 'not traced' rates*

Country of birth	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
All countries	250,583	7,259	257,842	2.82	262,477	9,585	272,062	3.52
United Kingdom	233,598	4,416	238,014	1.86	246,298	7,121	253,419	2.81
Outside UK	16,985	2,843	19,828	14.34	16,179	2,464	18,643	13.22
Irish Republic†	3,406	446	3,852	11.58	3,801	463	4,264	10.86
Old Commonwealth	583	67	650	10.31	684	74	758	9.76
New Commonwealth	7,616	1,605	9,221	17.41	5,633	1,131	6,764	16.72
Africa	923	161	1,084	14.85	755	111	866	12.82
America	1,576	256	1,832	13.97	1,500	276	1,776	15.54
India	2,372	451	2,823	15.98	1,819	357	2,176	16.41
Pakistan	1,470	491	1,961	25.04	452	169	621	27.21
Other Asia	513	89	602	14.78	460	62	522	11.88
Mediterranean	763	156	919	16.97	647	156	803	19.43
Europe	3,145	319	3,464	9.21	3,800	456	4,256	10.71
America (USA)	321	77	398	19.35	317	69	386	17.88
Other foreign and not stated	1,913	330	2,243	14.71	1,944	271	2,215	12.23

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

† Includes Ireland, part not stated

Table 8.4 1971 LS sample population by country of birth, sex, age and 'not traced' rates*

Age of LS member	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
United Kingdom								
0-14	60,618	1,115	61,733	1.81	57,864	911	58,775	1.55
15-29	50,212	1,081	51,293	2.11	48,056	1,736	49,792	3.49
30-44	41,136	855	41,991	2.04	39,534	1,733	41,267	4.20
45-retired	56,504	958	57,462	1.67	46,026	1,290	47,316	2.73
Retired +	25,128	407	25,535	1.59	54,818	1,451	56,269	2.58
Total	233,598	4,416	238,014	1.86	246,298	7,121	253,419	2.81
Irish Republic (including Ireland, part not specified)								
0-14	109	14	123	11.38	89	12	101	11.88
15-29	579	151	730	20.68	740	145	885	16.38
30-44	1,117	145	1,262	11.49	1,139	123	1,262	9.75
45-retired	1,325	111	1,436	7.73	1,104	115	1,219	9.43
Retired +	276	25	301	8.31	729	68	797	8.53
Total	3,406	445	3,852	11.55	3,801	463	4,264	10.86
New Commonwealth and Pakistan								
0-14	1,070	253	1,323	19.12	900	188	1,088	17.28
15-29	2,244	612	2,858	21.41	1,981	428	2,409	17.77
30-44	2,950	523	3,473	15.06	1,720	364	2,084	17.47
45-retired	1,186	197	1,383	14.24	693	118	811	14.55
Retired +	166	18	184	9.78	339	33	372	8.87
Total	7,616	1,605	9,221	17.41	5,633	1,131	6,764	16.72
African Commonwealth								
0-14	225	47	272	17.28	222	36	258	13.95
15-29	353	68	421	16.15	351	52	403	12.90
30-44	277	37	314	11.78	137	16	153	10.46
45-retired	61	9	70	12.86	31	6	37	16.22
Retired +	7	0	7	0.00	14	1	15	6.67
Total	923	161	1,084	14.85	755	111	866	12.82
American Commonwealth (mainly West Indies and Guyana)								
0-14	135	19	154	12.34	143	25	168	14.88
15-29	370	78	448	17.41	491	90	581	15.49
30-44	704	112	816	13.73	617	116	733	15.83
45-retired	348	44	392	11.22	212	41	253	16.21
Retired +	19	3	22	13.64	37	4	41	9.76
Total	1,576	256	1,832	13.97	1,500	276	1,776	15.54
India								
0-14	221	60	281	21.35	179	56	235	23.83
15-29	683	177	860	20.58	625	149	774	19.25
30-44	965	148	1,113	13.30	554	115	669	17.19
45-retired	408	61	469	13.01	269	26	295	8.81
Retired +	95	5	100	5.00	192	11	203	5.42
Total	2,372	451	2,823	15.98	1,819	357	2,176	16.41

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.4 - continued

Age of LS member	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Pakistan								
0 - 14	192	103	295	34.92	81	53	134	39.55
15 - 29	486	192	678	28.32	176	55	231	23.81
30 - 44	630	149	779	19.13	156	47	203	23.15
45 -retired	152	43	195	22.05	30	14	44	31.82
Retired +	10	4	14	28.60	9	0	9	0.00
Total	1,470	491	1,961	25.04	452	169	621	27.21
Mediterranean Commonwealth (Malta, Gibraltar, Cyprus)								
0 - 14	124	12	136	8.82	131	15	146	10.27
15 - 29	188	57	245	23.27	148	44	192	22.92
30 - 44	251	47	298	15.77	181	53	234	22.65
45 -retired	175	34	209	16.27	113	27	140	19.29
Retired +	25	6	31	19.35	74	17	91	18.68
Total	763	156	919	16.97	647	156	803	19.43
Europe†								
0 - 14	342	28	370	7.57	310	29	339	8.55
15 - 29	477	118	595	19.83	701	161	862	18.68
30 - 44	791	96	877	10.95	1,235	148	1,383	10.70
45 -retired	1,580	105	1,685	6.23	1,052	81	1,133	7.15
Retired +	468	41	509	8.06	827	109	1,016	10.73
Total	3,658	378	4,036	9.37	4,125	487	4,612	10.56
Other countries (including USA, old Commonwealth, USSR and not stated country of birth)								
0 - 14	506	59	565	10.44	487	70	557	12.57
15 - 29	534	174	708	24.58	586	153	739	20.70
30 - 44	490	114	604	18.87	480	76	556	13.67
45 -retired	570	43	613	7.01	471	45	516	8.72
Retired +	204	15	219	6.85	596	39	635	6.14
Total	2,304	405	2,709	14.95	2,620	383	3,003	12.75

† Not including USSR.

8.3.3 By region of usual residence

Table 8.5 shows tracing rates by region of usual residence. The overall tracing rate for males in England and Wales was 97.18 per cent, with high 'not traced' rates being found in the South East (3.66 per cent) and the West Midlands (3.52 per cent). Greater London (which comprised approximately 44 per cent of the LS population enumerated in the South East in 1971) had the highest 'not traced' rate for males at 4.90 per cent. The female 'not traced' rates tended to be slightly higher than the male rates, at 3.52 per cent overall, 4.46 per cent for the West Midlands and 5.62 per cent for Greater London. In 1971 both the West Midlands and Greater London areas had larger populations of those born overseas than other standard regions, which may explain the higher 'not traced' rates.

8.3.4 By type of household

Tracing rates for LS members enumerated in private households and those enumerated in non-private households differed quite markedly in the 1971 sample. This is particularly noticeable for males (see Table 8.6). Where the numbers shown in the table are small (for example, only 22 females were enumerated in places of detention in 1971), less importance should be attached to the tracing rates. Information collected at census for people in non-private households is often of poorer quality than that for people in private households, and tracing at NHSCR tends to be more difficult. High 'not traced' rates are to be expected in both defence establishments where personnel come under service medical care rather than the NHS and in psychiatric institutions, where persons undergoing long-

Table 8.5 1971 LS sample population by sex, region of usual residence and 'not traced' rates*

Region of usual residence	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
England and Wales	250,583	7,259	257,842	2.82	262,477	9,585	272,062	3.52
North	17,170	345	17,515	1.97	17,628	609	18,237	3.34
Yorkshire & Humberside	24,868	623	25,491	2.44	26,025	741	26,766	2.77
North West	34,761	780	35,541	2.19	37,013	1,089	38,102	2.86
East Midlands	17,680	359	18,039	1.99	17,972	521	18,493	2.82
West Midlands	27,065	986	28,051	3.52	26,767	1,251	28,018	4.46
East Anglia	8,512	157	8,669	1.81	8,888	218	9,106	2.39
South East	87,363	3,316	90,679	3.66	92,941	4,116	97,057	4.24
Greater London	37,546	1,936	39,482	4.90	40,372	2,406	42,778	5.62
Remainder of SE	49,817	1,380	51,197	2.70	52,569	1,707	54,276	3.15
South West	19,068	370	19,438	1.90	20,607	537	21,144	2.54
Wales	14,096	323	14,419	2.24	14,636	503	15,139	3.32

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.6 1971 LS sample population by sex, household type and 'not traced' rates*

Type of household	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Private households	244,083	6,578	250,661	2.62	256,290	9,052	265,342	3.41
Non-private households†	6,500	681	7,181	9.48	6,187	533	6,720	7.93
Hotels	1,147	168	1,315	12.78	925	93	1,018	9.14
Psychiatric hospitals	731	98	829	11.82	762	114	876	13.01
Other hospitals	914	95	1,009	9.42	1,879	164	2,043	8.03
Educational establishments	1,168	63	1,231	5.12	755	31	786	3.94
Childrens homes	183	16	199	8.04	216	16	232	6.90
Places of detention	448	52	500	10.40	18	4	22	18.18
Defence establishments	692	87	779	11.17	93	13	106	12.26
Other establishments	1,217	102	1,319	7.73	1,539	98	1,637	5.99

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

† Place of enumeration, not necessarily residence

term treatment (in excess of six months) also leave the NHS. However, it should be noted that only 2.7 per cent of LS members were enumerated in non-private households in 1971. Therefore, high 'not traced' rates among the institutional population in 1971 do not seriously distort the overall sample.

8.3.5 By economic position

Table 8.7 shows the 1971 sample population by sex, age and economic position. The highest 'not traced' rates were found among the economically inactive population, students aged 25-34, females categorised as permanently sick, and males in the category described as 'others economically inactive'. (This category includes those of independent means, male housewives and those with no stated

occupation.) Overall there was no difference in the 'not traced' rate between economically active and economically inactive males (both were 3 per cent), and only a small difference for females (4.27 per cent as against 3.74 per cent).

8.3.6 By social class

Table 8.8 shows tracing rates by social class for the LS population aged 15 and over in 1971. The lowest 'not traced' rates were found among those in the non-manual occupations (Classes I, II and IIIN), at 2.35 per cent overall for males and 3.83 per cent overall for females. The highest 'not traced' rates for males were found among those who were classified as either in the armed forces or as inadequately described (6.42 per cent). The highest 'not

Table 8.7 1971 LS sample population aged 15 and over by sex, age, economic position and 'not traced' rates*

Economic position	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Economically active								
In employment								
15-24	26,896	951	27,847	3.42	19,876	857	20,733	4.13
25-34	30,485	1,125	31,610	3.56	12,878	839	13,717	6.12
35-44	29,182	994	30,176	3.29	16,392	825	17,217	4.79
45-retired	54,687	1,190	55,877	2.13	27,158	861	28,019	3.07
Retired +	4,871	125	4,996	2.50	6,772	218	6,991	3.12
Total	146,121	4,385	150,506	2.91	83,077	3,600	86,677	4.15
Out of employment - sick								
15-24	152	4	156	2.56	164	13	177	7.34
25-34	182	8	190	4.21	99	10	109	9.17
35-44	284	10	294	3.40	163	13	176	7.39
45-retired	1,179	37	1,216	3.04	423	26	449	5.79
Retired +	39	1	40	2.50	59	1	60	1.67
Total	1,836	60	1,896	3.16	908	63	971	6.49
Out of employment - other								
15-24	1,759	111	1,870	5.94	985	76	1,061	7.16
25-34	1,217	80	1,297	6.17	508	49	557	8.80
35-44	924	38	962	3.95	447	39	486	8.02
45-retired	1,961	62	2,023	3.06	746	39	785	4.97
Retired +	105	6	111	5.41	212	11	223	4.93
Total	5,966	297	6,263	4.74	2,898	214	3,112	6.88
All economically active	153,923	4,742	158,665	2.99	86,883	3,877	90,760	4.27
Economically inactive								
Retired								
35-54	103	6	109	5.50	622	6	668	0.90
55-retired	1,227	37	1,264	2.93	939	36	975	3.69
Retired +	20,916	371	21,287	1.74	27,619	790	28,409	2.78
Total	22,246	414	22,660	1.83	29,180	872	30,052	2.91
Permanently sick								
15-24	154	12	166	7.23	162	9	171	5.26
25-34	170	17	187	9.09	134	24	158	15.19
35-44	234	11	245	4.49	196	21	217	9.68
45-retired	1,820	81	1,901	4.26	847	55	902	6.10
Retired +	203	8	211	3.79	533	49	582	8.42
Total	2,581	129	2,710	4.76	1,872	158	2,030	7.78
Students								
15-24	7,796	324	8,120	3.99	7,029	251	7,280	3.45
25-34	403	70	473	14.80	207	23	230	10.00
35-44	101	14	115	12.17	120	8	128	6.25
45-retired	38	1	39	2.56	63	6	69	8.70
Retired +	-	-	-	-	-	-	-	-
Total	8,338	409	8,747	4.68	7,419	288	7,707	3.74

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.7 - continued

Economic position	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Others inactive								
15-24	331	44	375	11.73	7,696	473	8,169	5.79
25-34	148	25	173	14.45	16,832	854	17,686	4.83
35-44	101	20	121	16.53	12,096	665	12,761	5.21
45-retired	162	14	176	7.95	18,736	599	19,334	3.10
Retired +	98	3	101	2.97	22,109	594	22,703	2.62
Total	840	106	946	11.21	77,469	3,184	80,653	3.95
All economically inactive	34,005	1,058	35,063	3.02	115,940	4,502	120,442	3.74
All persons	187,928	5,800	193,728	2.99	202,823	8,379	211,202	3.97

Table 8.8 1971 LS sample population aged 15 and over* by sex, social class and 'not traced' rate†

Social class	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Non-manual								
I Professional	8,561	221	8,782	2.52	899	51	950	5.37
II Intermediate	30,393	743	31,136	2.39	15,803	706	16,509	4.28
IIIN Skilled	20,462	466	20,928	2.23	34,612	1,289	35,901	3.59
Total non-manual	59,416	1,430	60,846	2.35	51,314	2,046	53,360	3.83
Manual								
IIIM Skilled	64,703	1,542	66,245	2.33	9,332	387	9,719	3.98
IV Part skilled	30,437	1,055	31,492	3.35	23,955	1,174	25,129	4.67
V Unskilled	14,023	625	14,648	4.27	6,931	286	7,217	3.96
Armed forces and inadequately described	8,209	563	8,772	6.42	25,127	904	26,031	3.47
Total manual	117,372	3,785	121,157	3.12	65,345	2,751	68,096	4.04
Total	176,788	5,215	182,003	2.87	116,659	4,797	121,456	3.95

* Includes persons 65 and over.

† 'Not traced rate' = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

traced' rate for females (5.37 per cent) was found among women in Social Class I professional occupations. This is probably due to the small number of women in this classification at the 1971 Census (950 in total).

8.3.7 By socio-economic group

Table 8.9 gives a further breakdown of the 1971 LS sample by sex and socio-economic groupings. This table clearly shows that nearly a quarter of all women (21.3 per cent) who were included in a socio-economic grouping were placed in inadequately described occupations in the 1971

Census. It should be noted that out of the total 1971 female LS population over 15 years of age, only 57.5 per cent, compared with 93.9 per cent of males in the sample, could be allocated to a socio-economic group.

8.4 TRACING RATES IN THE 1981 CENSUS-LS SAMPLE

The 1981 LS sample was selected from the 1981 Census of population for England and Wales using the same birthdate criteria as those used for selecting the original

Table 8.9 1971 LS sample population aged 15 and over by sex, socio-economic group and 'not traced' rates*

Socio-economic group	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Employers and managers in large establishments	6,408	109	6,517	1.67	1,120	46	1,166	3.95
Employers and managers in small establishments	14,268	397	14,665	2.71	3,613	188	3,801	4.95
Professional workers self-employed	1,578	35	1,613	2.17	119	5	124	4.03
employees	6,983	185	7,168	2.58	780	46	826	5.57
Intermediate, non-manual	9,348	241	9,589	2.51	10,755	473	11,228	4.21
Junior non-manual workers	21,248	453	21,701	2.09	34,667	1,237	35,904	3.45
Personal service workers	1,743	198	1,941	10.20	12,087	597	12,684	4.71
Foremen and supervisors	6,355	107	6,462	1.66	563	25	588	4.25
Skilled manual workers	51,176	1,154	52,330	2.21	5,965	231	6,196	3.73
Semi-skilled manual workers	22,611	768	23,379	3.28	11,909	613	12,522	4.90
Unskilled manual workers	13,470	601	14,071	4.27	6,919	285	7,204	3.96
Own account workers	7,850	239	8,089	2.95	1,994	84	2,078	4.04
Farmers	2,961	55	3,016	1.82	439	17	456	3.73
Agricultural workers	2,580	76	2,656	2.86	602	27	629	4.29
Armed forces	2,036	273	2,309	11.82	107	14	121	1.57
Inadequately described occupations	6,173	289	6,462	4.47	25,020	889	25,909	3.43
Total	176,788	5,188	181,976	2.85	116,658	4,778	121,436	3.93

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.10 1981 LS sample population by age, sex and 'not traced' rates*

Age	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
0-4	16,398	125	16,523	0.76	15,461	106	15,567	0.68	31,859	231	32,090	0.72
5-9	17,979	151	18,130	0.83	17,144	135	17,279	0.78	35,123	286	35,409	0.81
10-14	21,071	194	21,265	0.91	20,195	143	20,338	0.70	41,266	337	41,603	0.81
15-19	22,224	250	22,474	1.11	21,248	210	21,458	0.98	43,472	460	43,932	1.05
20-24	19,926	424	20,350	2.08	19,508	333	19,841	1.68	39,434	757	40,191	1.88
25-29	18,291	341	18,632	1.83	17,987	294	18,281	1.61	36,278	635	36,913	1.72
30-34	19,886	293	20,179	1.45	19,955	233	20,188	1.15	39,841	526	40,367	1.30
35-39	17,204	232	17,436	1.33	16,820	207	17,027	1.22	34,024	439	34,463	1.27
40-44	15,631	191	15,822	1.21	14,963	167	15,130	1.10	30,594	358	30,952	1.16
45-49	14,978	181	15,159	1.19	14,787	154	14,941	1.03	29,765	335	30,100	1.11
50-54	15,261	144	15,405	0.93	15,214	165	15,379	1.07	30,475	309	30,784	1.00
55-59	15,089	121	15,210	0.80	16,171	122	16,293	0.75	31,260	243	31,503	0.77
60-64	13,047	97	13,144	0.74	14,624	143	14,767	0.97	27,671	240	27,911	0.86
65-69	12,113	106	12,219	0.87	14,828	143	14,971	0.96	26,941	249	27,190	0.92
70-74	9,350	63	9,413	0.67	12,856	98	12,954	0.76	22,206	161	22,367	0.72
75+	9,746	103	9,849	1.05	20,273	247	20,520	1.20	30,019	350	30,369	1.15
Total	258,194	3,016	261,210	1.15	272,034	2,900	274,934	1.05	530,228	5,916	536,144	1.10

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

1971 sample. The 1981 sample consisted of 536,144 persons of whom 261,210 were male and 274,934 were female. A total of 98.8 per cent of the males and 98.9 per cent of the females were traced at NHSCR. This was an increase in the tracing rate for males of 1.6 per cent and for females of 2.3 per cent compared with the 1971 sample. The highest 'not traced' rates were found for both males and females in the age groups 20–24 and 25–29 (see Table 8.10). High 'not traced' rates were found among those of working age (aged over 15 but less than 50) and among the very elderly (aged 75 and over).

8.4.1 By age, sex and marital status

'Not traced' rates by age, sex and marital status are shown in Table 8.11. Among single males there were consistently high 'not traced' rates for those aged 16 and over in 1981 (ranging from 1.17 to 3.23 per cent). There was not a great deal of variability between the age groups, and the overall 'not traced' rate for single males was 1.39 per cent. Married men showed a lower overall 'not traced' rate (0.92 per cent) than other groups, but the 'not traced' rate was over 1 per cent among those aged between 16 and 39. Both divorced and widowed males showed a high degree of variability in 'not traced' rates but this was attributable to the small numbers involved.

With the exception of the 'not traced' rates found for widows aged 20–24 and 30–34, the highest 'not traced' rates for females were found among those who were single. These rates were more variable by age than those seen among comparable males but the overall 'not traced' rate was lower at 1.06 per cent. Married women showed more variability in rates than males, with the highest 'not traced' rates being among those aged 16 to 29. Divorcees and widows had high 'not traced' rates in some of the younger age groups, but like the males this was due to small numbers. However, it should be noted that in 1981 the female LS sample population contained one third more divorced persons and four times as many widowed persons as the male LS population.

8.4.2 By country of birth

Table 8.12a shows the 1981 LS population by sex, country of birth and 'not traced' rates. The overall 'not traced' rate was 1.10 per cent, with the lowest 'not traced' rate (0.5 per cent) found among males born in England and Wales. It should be noted that although 'not traced' rates for countries of birth other than England and Wales are highly variable (ranging from 1.2 for those born in 'other UK' (the Isle of Man, Channel Islands) to 40.03 per cent for those born in the USA) only 10 per cent of the LS population quoted a country of birth other than England and Wales.

The highest 'not traced' rate was found among those born in the USA, but as at the previous census these 1,164 LS members were mainly made up of USAF personnel who have their own health arrangements outside the NHS. High 'not traced' rates were found among those born in the Rest of the World (12.27 per cent), the West African Commonwealth (12.05 per cent), Bangladesh (10.9 per cent)

and the Far Eastern Commonwealth (9.39 per cent). The very high 'not traced' rates found at the 1971 Census for persons born in the New Commonwealth were not repeated at the 1981 Census, though this section of the LS population had doubled in size.

Males tended to have higher 'not traced' rates than females, with the exception of England and Wales, Pakistan, Bangladesh, India, the Mediterranean Commonwealth and where the country of birth was not stated. However where the males did have particularly high 'not traced' rates the females did as well. For example, LS members born in the West African Commonwealth had male 'not traced' rates of 12.84 per cent and female 'not traced' rates of 10.96 per cent.

A further examination of tracing by age group within selected countries of birth revealed a great deal of variability. No individual age group stood out as having consistently high 'not traced' rates (see Table 8.12b).

8.4.3 By region of usual residence

Table 8.13 (page 164) shows tracing rates by region of usual residence. Overall 98.9 per cent of LS members enumerated in England and Wales at the 1981 Census were traced. Where the region of usual residence was in England and Wales the highest 'not traced' rates were found in East Anglia (2.28 per cent for males, 1.48 for females), the South East (1.82 and 1.69 per cent respectively), and the West Midlands (1.09 and 1.03 per cent). For the 4 per cent of LS members who gave their region of usual residence as outside England and Wales the 'not traced' rates were 1.52 per cent for males and 1.02 per cent for females. All LS members enumerated in other regions had 'not traced' rates of less than 1 per cent.

8.4.4 By type of household

Tracing rates by type of household in 1981 are shown in Table 8.14, and as in 1971, show marked differences in rates between private and non-private households. Non-private households had consistently lower rates of tracing than private households for the reasons given in section 8.3.4. Generally the 1981 'not traced' rates for non-private households are smaller than those seen in 1971, with the exception of the rates for males enumerated in defence establishments (11.38 per cent) and females enumerated in other establishments (6.06 per cent). It should be noted that a slightly smaller percentage of LS members were enumerated in non-private households in 1981 (2.2 per cent compared with 2.7 per cent in 1971).

8.4.5 By economic position

In the 1981 LS sample, overall tracing rates differed substantially between the economically active and the economically inactive groups for both males and females. For males the 'not traced' rates were 1.18 per cent and 1.5 per cent, and for females 1.1 per cent and 1.53 per cent respectively (see Table 8.15).

Text continues page 167

Table 8.11 1981 LS sample population by age, sex, marital status and 'not traced' rates*

Age	Single				Married			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Males								
0-15	59,924	507	60,431	0.84	0	0	0	0.00
16-19	17,496	207	17,703	1.17	247	6	253	2.37
20-24	14,725	321	15,046	2.13	5,080	97	5,177	1.87
25-29	6,093	165	6,258	2.64	11,580	165	11,745	1.40
30-34	3,252	90	3,342	2.69	15,603	188	15,791	1.19
35-39	1,884	52	1,936	2.69	14,368	165	14,533	1.14
40-44	1,387	38	1,425	2.67	13,314	132	13,446	0.98
45-49	1,305	39	1,344	2.90	12,790	123	12,913	0.95
50-64	3,871	85	3,956	2.15	36,572	235	36,807	0.64
65+	2,395	80	2,475	3.23	22,740	118	22,858	0.52
Total	112,332	1,584	113,916	1.39	132,294	1,229	133,523	0.92
Females								
0-15	57,043	410	57,453	0.71	0	0	0	0.00
16-19	16,040	161	16,201	0.99	957	23	980	2.35
20-24	10,157	186	10,343	1.80	8,972	142	9,114	1.56
25-29	3,318	87	3,405	2.56	13,622	190	13,812	1.38
30-34	1,728	44	1,772	2.48	16,837	167	17,004	0.98
35-39	985	19	1,004	1.89	14,426	160	14,586	1.10
40-44	801	13	814	1.60	12,777	130	12,907	1.01
45-49	843	20	863	2.32	12,526	114	12,640	0.90
50-64	3,238	52	3,290	1.58	34,729	272	35,001	0.78
65+	5,537	71	5,608	1.27	18,161	159	18,320	0.87
Total	99,690	1,063	100,753	1.06	133,007	1,357	134,364	1.01
Age	Divorced				Widowed			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Males								
0-15	0	0	0	0.00	0	0	0	0.00
16-19	4	0	4	0.00	1	0	1	0.00
20-24	117	4	121	3.31	4	2	6	33.33
25-29	607	11	618	1.78	11	0	11	0.00
30-34	998	15	1,013	1.48	33	0	33	0.00
35-39	908	14	922	1.52	44	1	45	2.22
40-44	867	20	887	2.25	63	1	64	1.56
45-49	755	17	772	2.20	128	2	130	1.54
50-64	1,453	21	1,474	1.42	1,501	21	1,522	1.38
65+	508	7	515	1.36	5,566	67	5,633	1.19
Total	6,217	109	6,326	1.72	7,351	94	7,445	1.26
Females								
0-15	0	0	0	.00	0	0	0	.00
16-19	7	0	7	.00	1	0	1	.00
20-24	359	4	363	1.10	20	1	21	4.76
25-29	990	16	1,006	1.59	57	1	58	1.72
30-34	1,298	18	1,316	1.37	92	4	96	4.17
35-39	1,222	24	1,246	1.93	187	4	191	2.09
40-44	1,081	16	1,097	1.46	304	8	312	2.56
45-49	902	11	913	1.20	516	9	525	1.71
50-64	1,869	34	1,903	1.79	6,173	72	6,245	1.15
65+	836	20	856	2.34	23,423	238	23,661	1.01
Total	8,564	143	8,707	1.64	30,773	337	31,110	1.08

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.12a 1981 LS sample population by sex, country of birth and 'not traced' rates*

Country of birth	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
England and Wales	232,063	1,155	233,218	0.50	246,122	1,365	247,487	0.55	478,185	2,520	480,705	0.52
Scotland	4,354	85	4,439	1.91	4,259	81	4,340	1.87	8,613	166	8,779	1.89
Northern Ireland	1,122	43	1,165	3.69	1,151	31	1,182	2.62	2,273	74	2,347	3.15
Other UK	152	2	154	1.30	177	2	179	1.12	329	4	333	1.20
Total UK	237,691	1,285	238,976	0.54	251,709	1,479	253,188	0.58	489,400	2,764	492,164	0.56
Irish Republic†	3,000	161	3,161	5.09	3,448	150	3,598	4.17	6,448	311	6,759	4.60
India	3,262	176	3,438	5.12	3,015	183	3,198	5.72	6,277	359	6,636	5.41
Pakistan	1,949	147	2,096	7.01	1,241	116	1,357	8.55	3,190	263	3,453	7.62
Bangladesh	519	64	583	10.98	282	34	316	10.76	801	98	899	10.90
E. African Commonwealth	1,187	56	1,243	4.51	1,109	39	1,148	3.40	2,296	95	2,391	3.97
W. African Commonwealth	353	52	405	12.84	260	32	292	10.96	613	84	697	12.05
South African Commonwealth	92	6	98	6.12	86	3	89	3.37	178	9	187	4.81
African Commonwealth	1,632	114	1,746	6.53	1,455	74	1,529	4.84	3,087	188	3,275	5.74
Caribbean Commonwealth	1,570	116	1,686	6.88	1,676	87	1,763	4.93	3,246	203	3,449	5.89
Mediterranean Commonwealth	891	49	940	5.21	775	60	835	7.19	1,666	109	1,775	6.14
Far East Commonwealth	763	86	849	10.13	665	62	727	8.53	1,428	148	1,576	9.39
Rest of New Commonwealth	337	20	357	5.60	320	5	325	1.54	657	25	682	3.67
Total New Commonwealth	10,923	772	11,695	6.60	9,429	621	10,050	6.18	20,352	1,393	21,745	6.41
Old Commonwealth	670	48	718	6.69	791	41	832	4.93	1,461	89	1,550	5.74
Europe (including USSR)	3,576	185	3,761	4.92	4,239	218	4,457	4.89	7,815	403	8,218	4.90
USA	347	290	637	45.53	351	176	527	33.40	698	466	1,164	40.03
Rest of World	1,568	254	1,822	13.94	1,592	188	1,780	10.56	3,160	442	3,602	12.27
Not stated	419	21	440	4.77	475	27	502	5.38	894	48	942	5.10
Total	258,194	3,016	261,210	1.15	272,034	2,900	274,934	1.05	530,228	5,916	536,144	1.10

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

† Includes Ireland, part not stated

Table 8.12b 1981 LS sample population by age, sex, selected country of birth and 'not traced' rates*

Country of birth and age group	Males				Females				Total			
	Traced cases	Un- traced cases	Selected sample	'Not traced' rate	Traced cases	Un- traced cases	Selected sample	'Not traced' rate	Traced cases	Un- traced cases	Selected sample	'Not traced' rate
United Kingdom												
0- 14	53,595	303	53,898	0.56	51,136	244	51,380	0.47	104,731	547	105,278	0.52
15- 29	55,189	374	55,563	0.67	53,405	298	53,703	0.55	108,594	672	109,266	0.62
30- 44	47,154	216	47,370	0.46	46,113	268	46,381	0.58	93,267	484	93,751	0.52
45- 59/64	52,305	219	52,524	0.42	41,620	217	41,837	0.52	93,925	436	94,361	0.46
60/65+	29,448	173	29,621	0.58	59,435	452	59,887	0.75	88,883	625	89,508	0.70
Total	237,691	1,285	238,976	0.54	251,709	1,479	253,188	0.58	489,400	2,764	492,164	0.56
Irish Republic												
0- 14	51	4	55	7.27	38	2	40	5.00	89	6	95	6.32
15- 29	287	25	312	8.01	357	24	381	6.30	644	49	693	7.07
30- 44	861	52	913	5.70	953	31	984	3.15	1,814	83	1,897	4.38
45- 59/64	941	32	973	3.29	1,101	42	1,143	3.67	2,042	74	2,116	3.50
60/65+	494	31	525	5.90	999	51	1,050	4.86	1,493	82	1,575	5.21
Total	3,000	161	3161	5.09	3,448	150	3,598	4.17	6,448	311	6,759	4.60
New Commonwealth												
0- 14	855	61	916	6.66	720	52	772	6.74	1,575	113	1,688	6.69
15- 29	3,569	273	3,842	7.11	3,491	236	3,727	6.33	7,060	509	7,569	6.72
30- 44	3,360	246	3,606	6.82	2,976	158	3,134	5.04	6,336	404	6,740	5.99
45- 59/64	2,740	166	2,906	5.71	1,610	121	1,731	6.99	4,350	287	4,637	6.19
60/65+	399	26	425	6.12	632	54	686	7.87	1,031	80	1,111	7.20
Total	10,923	772	11,695	6.60	9,429	621	10,050	6.18	20,352	1,393	21,745	6.41
India												
0- 14	91	3	94	3.19	88	9	97	9.28	179	12	191	6.28
15- 29	841	43	884	4.86	1,000	69	1,069	6.45	1,841	112	1,953	5.73
30- 44	1,211	74	1,285	5.76	1,025	65	1,090	5.96	2,236	139	2,375	5.85
45- 59/64	924	43	967	4.45	566	27	593	4.55	1,490	70	1,560	4.49
60/65+	195	13	208	6.25	336	13	349	3.72	531	26	557	4.67
Total	3,262	176	3,438	5.12	3,015	183	3,198	5.72	6,277	359	6,636	5.41
Pakistan												
0- 14	255	26	281	9.25	149	26	175	14.86	404	52	456	11.40
15- 29	768	47	815	5.77	542	44	586	7.51	1,310	91	1,401	6.50
30- 44	526	46	572	8.04	380	19	399	4.76	906	65	971	6.69
45- 59/64	378	27	405	6.67	147	27	174	15.52	525	54	579	9.33
60/65+	22	1	23	4.35	23	0	23	0.00	45	1	46	2.17
Total	1,949	147	2,096	7.01	1,241	116	1,357	8.55	3,190	263	3,453	7.62
African Commonwealth												
0- 14	165	8	173	4.62	177	4	181	2.21	342	12	354	3.39
15- 29	779	62	841	7.37	759	47	806	5.83	1,538	109	1,647	6.62
30- 44	491	36	527	6.83	402	18	420	4.29	893	54	947	5.70
45- 59/64	188	6	194	3.09	99	3	102	2.94	287	9	296	3.04
60/65+	9	2	11	18.18	18	2	20	10.00	27	4	31	12.90
Total	1,632	114	1,746	6.53	1,455	74	1,529	4.84	3,087	188	3,275	5.74

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.12b - continued

Country of birth and age group	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
Caribbean Commonwealth												
0 - 14	30	4	34	11.76	22	2	24	8.33	52	6	58	10.34
15 - 29	313	26	339	7.67	390	23	413	5.57	703	49	752	6.52
30 - 44	467	35	502	6.97	634	22	656	3.35	1,101	57	1,158	4.92
45 - 59/64	702	49	751	6.52	526	30	556	5.40	1,228	79	1,307	6.04
60/65+	58	2	60	3.33	104	10	114	8.77	162	12	174	6.90
Total	1,570	116	1,686	6.88	1,676	87	1,763	4.93	3,246	203	3,449	5.89
Mediterranean Commonwealth												
0 - 14	75	2	77	2.60	64	5	69	7.25	139	7	146	4.79
15 - 29	139	9	148	6.08	143	5	148	3.38	282	14	296	4.73
30 - 44	256	14	270	5.19	207	8	215	3.72	463	22	485	4.54
45 - 59/64	254	13	267	4.87	163	19	182	10.44	417	32	449	7.13
60/65+	167	11	178	6.18	198	23	221	10.41	365	34	399	8.52
Total	891	49	940	5.21	775	60	835	7.19	1,666	109	1,775	6.14
Europe												
0 - 14	344	25	369	6.78	353	12	365	3.29	697	37	734	5.04
15 - 29	547	64	611	10.47	656	91	747	12.18	1,203	155	1,358	11.41
30 - 44	635	35	670	5.22	937	43	980	4.39	1,572	78	1,650	4.73
45 - 59/64	1,401	41	1,442	2.84	1,369	30	1,399	2.14	2,770	71	2,841	2.50
60/65+	649	20	669	2.99	924	42	966	4.35	1,573	62	1,635	3.79
Total	3,576	185	3,761	4.92	4,239	218	4,457	4.89	7,815	403	8,218	4.90
Rest of World												
0 - 14	603	77	680	11.32	553	74	627	11.80	1,156	151	1,307	11.55
15 - 29	849	279	1,128	24.73	834	188	1,022	18.40	1,683	467	2,150	21.72
30 - 44	711	167	878	19.02	759	107	866	12.36	1,470	274	1,744	15.71
45 - 59/64	988	85	1,073	7.92	472	31	503	6.16	1,460	116	1,576	7.36
60/65+	219	22	241	9.13	591	32	623	5.14	810	54	864	6.25
Total	3,004	613	3,617	16.95	3,209	432	3,641	11.86	6,213	1,045	7,258	14.40
All countries												
0 - 14	55,448	470	55,918	0.84	52,800	384	53,184	0.72	108,248	854	109,102	0.78
15 - 29	60,441	1,015	61,456	1.65	58,743	837	59,580	1.40	119,184	1,852	121,036	1.53
30 - 44	52,721	716	53,437	1.34	51,738	607	52,345	1.16	104,459	1,323	105,782	1.25
45 - 59/64	58,375	543	58,918	0.92	46,172	441	46,613	0.95	104,547	984	105,531	0.93
60/65+	31,209	272	31,481	0.86	62,581	631	63,212	1.00	93,790	903	94,693	0.95
Total	258,194	3,016	261,210	1.15	272,034	2,900	274,934	1.05	530,228	5,916	536,144	1.10

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.13 1981 LS sample population by sex, region of usual residence and 'not traced' rates*

Region of usual residence	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
North	16,225	77	16,302	0.47	17,002	84	17,086	0.49	33,227	161	33,388	0.48
Yorkshire & Humberside	25,634	160	25,794	0.62	26,678	175	26,853	0.65	52,312	335	52,647	0.64
East Midlands	20,043	151	20,194	0.75	20,838	144	20,982	0.69	40,881	295	41,176	0.72
East Anglia	9,524	222	9,746	2.28	10,073	151	10,224	1.48	19,597	373	19,970	1.87
South East†	87,587	1,623	89,210	1.82	93,074	1,597	94,671	1.69	180,661	3,220	183,881	1.75
South West	22,210	118	22,328	0.53	24,138	116	24,254	0.48	46,348	234	46,582	0.50
West Midlands	27,760	307	28,067	1.09	28,056	292	28,348	1.03	55,816	599	56,415	1.06
North West	33,557	234	33,791	0.69	35,777	200	35,977	0.56	69,334	434	69,768	0.62
Wales	14,474	105	14,579	0.72	15,262	129	15,391	0.84	29,736	234	29,970	0.78
Outside England & Wales	1,105	17	1,122	1.52	1,072	11	1,083	1.02	2,177	28	2,205	1.27
Total	258,119	3,014	261,133	1.15	271,970	2,899	274,869	1.05	530,089	5,913	536,002	1.10

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

† Includes Greater London.

Table 8.14 1981 LS sample population by sex, household type and 'not traced' rates*

Household type	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
Private	252,468	2,659	255,127	1.04	266,273	2,689	268,962	1.00	518,741	5,348	524,089	1.02
Non-private households												
Hotels	991	47	1,038	4.53	788	36	824	4.37	1,779	83	1,862	4.46
Psychiatric hospitals	666	47	713	6.59	718	47	765	6.14	1,384	94	1,478	6.36
Other hospitals	872	43	915	4.70	1,802	42	1,844	2.28	2,674	85	2,759	3.08
Homes for the elderly	616	22	638	3.45	1,499	43	1,542	2.79	2,115	65	2,180	2.98
Childrens homes	130	5	135	3.70	121	4	125	3.20	251	9	260	3.46
Educational establishments	529	19	548	3.47	289	5	294	1.70	818	24	842	2.85
Places of detention	428	28	456	6.14	13	1	14	7.14	441	29	470	6.17
Defence establishments	771	99	870	11.38	97	5	102	4.90	868	104	972	10.70
Other establishments	723	47	770	6.10	434	28	462	6.06	1,157	75	1,232	6.09
Total non-private households	5,726	357	6,083	5.87	5,761	211	5,972	3.53	11,487	568	12,055	4.71
Total	258,194	3,016	261,210	1.15	272,034	2,900	274,934	1.05	530,228	5,916	536,144	1.10

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.15 1981 LS sample population aged 16 and over by age, sex, economic position and 'not traced' rates*

Economic position and age	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Economically active								
In employment								
16-24	24,517	343	24,860	1.38	20,006	187	20,193	0.93
25-34	33,213	437	33,650	1.30	18,965	272	19,237	1.41
35-44	29,421	321	29,421	1.09	19,823	185	20,008	0.92
45-54	26,695	248	26,943	0.92	18,877	149	19,026	0.78
55-64	20,559	122	20,681	0.59	11,051	75	11,126	0.67
65+	3,311	24	3,335	0.72	1,730	22	1,752	1.26
Total	137,716	1,495	138,890	1.08	90,452	941	91,393	1.03
Out of employment - sick								
16-24	132	1	133	0.75	158	1	159	0.63
25-34	232	5	237	2.11	175	3	178	1.69
35-44	290	3	293	1.02	172	4	176	2.27
45-54	358	6	364	1.65	224	6	230	2.61
55-64	531	7	538	1.30	118	4	122	3.28
65 +	24	1	25	4.00	22	0	22	0.00
Total	1,567	23	1,590	1.45	869	18	887	2.03
Out of employment - other								
16-24	4,939	94	5,033	1.87	3,028	57	3,085	1.85
25-34	3,684	94	3,778	2.49	1,401	25	1,426	1.75
35-44	2,398	57	2,455	2.32	765	21	786	2.67
45-54	2,106	45	2,151	2.09	715	20	735	2.72
55-64	2,493	41	2,534	1.62	367	3	370	0.81
65+	43	1	44	2.27	24	1	25	4.00
Total	15,663	332	15,995	2.08	6,300	127	6,427	1.98
All economically active								
16-24	29,588	438	30,026	1.46	23,192	245	23,437	1.05
25-34	37,129	536	37,665	1.42	20,541	300	20,841	1.44
35-44	32,109	381	32,169	1.18	20,760	210	20,970	1.00
45-54	29,159	299	29,458	1.02	19,816	175	19,991	0.88
55-64	23,583	170	23,753	0.72	11,536	82	11,618	0.71
65+	3,378	26	3,404	0.76	1,776	23	1,799	1.28
Total	154,946	1,850	156,475	1.18	97,621	1,086	98,707	1.10
Economically inactive								
Wholly retired								
16-24	0	0	0	0.00	0	0	0	0.00
25-34	0	0	0	0.00	0	0	0	0.00
35-44	17	3	20	15.00	27	0	27	0.00
45-54	102	2	104	1.92	101	7	108	6.48
55-64	2,064	23	2,087	1.10	3,358	37	3,395	1.09
65+	26,714	211	26,925	0.78	14,548	193	14,741	1.31
Total	28,897	239	29,136	0.82	18,034	237	18,271	1.30

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.15 - continued

Economic position and age	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Permanently sick								
16-24	199	4	203	1.97	134	4	138	2.90
25-34	270	4	274	1.46	247	6	253	2.37
35-44	429	9	438	2.05	282	6	288	2.08
45-54	854	19	873	2.18	587	13	600	2.17
55-64	2,367	22	2,389	0.92	898	14	912	1.54
65+	817	24	841	2.85	1,243	33	1,276	2.59
Total	4,936	82	5,018	1.63	3,391	76	3,467	2.19
At school/student								
16-24	7,587	175	7,762	2.25	7,582	123	7,705	1.60
25-34	555	70	625	11.20	332	24	356	6.74
35-44	129	14	143	9.79	116	4	120	3.33
45-54	21	1	22	4.55	40	0	40	0.00
55-64	0	0	0	0.00	0	0	0	0.00
65+	0	0	0	0.00	0	0	0	0.00
Total	8,292	260	8,552	3.04	8,070	151	8,221	1.84
Housewife								
16-24	22	0	22	0.00	5,494	86	5,580	1.54
25-34	71	1	72	1.39	16,777	193	16,970	1.14
35-44	64	2	66	3.03	10,575	151	10,726	1.41
45-54	58	0	58	0.00	9,436	119	9,555	1.25
55-64	93	3	96	3.13	14,974	131	15,105	0.87
65+	280	5	285	1.75	30,316	236	30,552	0.77
Total	588	11	599	1.84	87,572	916	88,488	1.04
Other inactive								
16-24	278	20	298	6.71	111	8	119	6.72
25-34	152	23	175	13.14	45	4	49	8.16
35-44	87	14	101	13.86	23	3	26	11.54
45-54	45	4	49	8.16	21	5	26	19.23
55-64	29	0	29	0.00	29	1	30	3.33
65+	20	6	26	23.08	74	3	77	3.90
Total	611	67	678	9.88	303	24	327	7.34
All economically inactive								
16-24	8,086	199	8,285	2.40	13,321	321	21,857	1.47
25-34	1,048	98	1,146	8.55	17,401	90	5,629	1.60
35-44	726	42	768	5.47	10,996	323	24,839	1.30
45-54	1,080	26	1,106	2.35	10,084	186	11,361	1.64
55-64	4,553	48	4,601	1.04	9,890	130	10,020	1.30
65+	27,831	246	28,077	0.88	15,776	154	15,930	0.97
Total	43,324	659	43,983	1.50	16,094	250	16,344	1.53

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

The highest 'not traced' rates were found among the economically inactive population, particularly in the 'other inactive' category. It should be noted that this category made up less than 1 per cent of the total economically inactive LS sample in 1981 and includes persons of independent means and those with no stated occupation. Male housewives in the 35–44 and 55–64 age groups as well as those men categorised as wholly retired in the 35–44 age group had high 'not traced' rates, but these rates are due to the small numbers in these categories.

High 'not traced' rates were also found for students in the 25–34 age group and for those categorised as permanently sick. Among the permanently sick, males showed a different age range pattern of high 'not traced' rates compared with females. Males in the 35–54 and over 65 age groups were more likely to be untraced than those aged 16–34 or 55–64. Among females the 16–34 age group also had high 'not traced' rates.

8.4.6 By social class

Tracing rates by sex and social class are shown in Table 8.16. The overall 'not traced' rates by social class for males and females in 1981 were 1.12 per cent and 1.14 per cent respectively. Overall tracing rates were lower among those in manual social classes than in non-manual, and for women than men. The lowest rate of tracing was found among those who were either serving in the armed services or whose social class was inadequately described.

8.4.7 By socio-economic group

At the 1971 Census only 57 per cent of women had been allocated a socio-economic group. By the 1981 Census all females aged 16 and over were included.

Table 8.17 shows tracing rates for the 1981 LS sample by sex and socio-economic group. The 'not traced' rates as a whole are very low, with the exceptions of persons in the armed forces (11.42 per cent untraced), inadequately described persons (2.27 per cent) and personal service workers (2.03 per cent). It should be noted that among the LS sample in 1981, 45.8 per cent of female LS members were placed in the not applicable category as compared with 5.9 per cent of LS males.

8.5 TRACING RATES IN THE 1991 CENSUS-LS SAMPLE

The 1991 LS sample was selected from the 1991 Census of population for England and Wales using the same LS birthdate criteria as were used to select the 1971 and 1981 samples. The LS sample in 1991 consisted of 543,884 persons. Of these, 263,312 were male, 280,564 were female and 8 persons were excluded as no sex was given for them (see Table 8.18). By 1994, 98.3 per cent of both males and females had been traced at NHSCR. These tracing rates were slightly lower than those found in the 1981 sample (by 0.5 and 0.6 per cent respectively), but higher than

Table 8.16 1981 LS sample population aged 16 and over by sex, social class and 'not traced' rates*

Social class	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
Non-manual												
I Professional	9,498	113	9,611	1.18	1,120	17	1,137	1.50	10,618	130	10,748	1.21
II Intermediate	38,728	283	39,011	0.73	21,939	221	22,160	1.00	60,667	504	61,171	0.82
IIIN Skilled	21,026	144	21,170	0.68	40,790	307	41,097	0.75	61,816	451	62,267	0.72
Total non-manual	69,252	540	69,792	0.77	63,849	545	64,394	0.85	133,101	1,085	134,186	0.81
Manual												
IIIM Skilled	61,585	457	62,042	0.74	9,116	75	9,191	0.82	70,701	532	71,233	0.75
IV Partly skilled	31,052	347	31,399	1.11	23,165	329	23,494	1.40	54,217	676	54,893	1.23
V Unskilled	11,753	206	11,959	1.72	7,121	72	7,193	1.00	18,874	278	19,152	1.45
Armed forces & inadequately described	13,216	563	13,779	4.09	13,259	318	13,577	2.34	26,475	881	27,356	3.22
Total manual	117,606	1,573	119,179	1.32	52,661	794	53,455	1.49	170,267	2,367	172,634	1.37
Total	186,858	2,113	188,971	1.12	116,510	1,339	117,849	1.14	303,368	3,452	306,820	1.13

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.17 1981 LS sample population aged 16 and over by sex, socio-economic group and 'not traced' rates*

Socio-economic group	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
Employers in industry/ commerce large	52	0	52	0.00	9	0	9	0.00	61	0	61	0.00
Managers in central/ local govt. large	8,658	44	8,702	0.51	2,079	16	2,095	0.76	10,737	60	10,797	0.56
Employers in industry/ commerce small	4,312	39	4,351	0.90	1,366	18	1,384	1.30	5,678	57	5,735	0.99
Managers in central/ local govt. small	13,014	111	13,125	0.85	3,587	42	3,629	1.16	16,601	153	16,754	0.91
Professionals - self employed	1,635	8	1,643	0.49	150	2	152	1.32	1,785	10	1,795	0.56
Professionals - employees	7,821	98	7,919	1.24	966	15	981	1.53	8,787	113	8,900	1.27
Ancillary workers/ artists	11,113	78	11,191	0.70	14,105	135	14,240	0.95	25,218	213	25,431	0.84
Foremen & supervisors - non-manual	1,478	3	1,481	0.20	1240	7	1,247	0.56	2,718	10	2,728	0.37
Junior non-manual	17,936	113	18,049	0.63	39,486	293	39,779	0.74	57,422	406	57,828	0.70
Personal service workers	2,054	103	2,157	4.78	12,896	207	13,103	1.58	14,950	310	15,260	2.03
Foremen & supervisors - manual	6,789	29	6,818	0.43	739	3	742	0.40	7,528	32	7,560	0.42
Skilled manual	46,849	302	47,151	0.64	4,668	39	4,707	0.83	51,517	341	51,858	0.66
Semi-skilled manual	26507	255	26,762	0.95	11,926	136	12,062	1.13	38,433	391	38,824	1.01
Unskilled manual workers	11,317	203	11,520	1.76	7,095	71	7,166	0.99	18,412	274	18,686	1.47
Own account workers (not professional)	9,434	132	9,566	1.38	2,057	31	2,088	1.48	11,491	163	11,654	1.40
Farmers - employers and managers	1,229	5	1,234	0.41	123	1	124	0.81	1,352	6	1,358	0.44
Farmers - own account	1,221	6	1,227	0.49	169	1	170	0.59	1,390	7	1,397	0.50
Agricultural workers	2,223	21	2,244	0.94	590	4	594	0.67	2,813	25	2,838	0.88
Members of armed forces	2,351	294	2,645	11.12	171	31	202	15.35	2,522	325	2,847	11.42
Inadequately described occupations	10,865	269	11,134	2.42	13,088	287	13,375	2.15	23,953	556	24,509	2.27
Not applicable	11,412	396	11,808	3.35	98,481	1,151	99,632	1.16	109,893	1,547	111,440	1.39
Total	198,270	2,509	200,779	1.25	214,991	2,490	217,481	1.14	413,261	4,999	418,260	1.20

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

those for the LS sample in 1971. The highest 'not traced' rates were found among males aged 20–24 and 25–29, at 2.82 and 2.97 per cent. The same pattern was found among females with the 'not traced' rates in these age groups standing at 2.44 and 2.61 per cent respectively. Those LS members in the younger working age groups (aged between 20 and 39) and at the oldest ages (over 75) had generally higher 'not traced' rates than at other ages.

Compared with 1981, 'not traced' rates have risen for all age groups, but this is mainly due to 8,968 new entrants (27 per cent of all new entrants excluding new births and immigrants) at the 1991 Census who possessed no NHS number. In 1981 only 17 per cent of new entrants to the LS at census possessed no NHS number.

8.5.1 By age, sex and marital status

'Not traced' rates by age, sex and marital status are shown in Table 8.19. Overall, the highest 'not traced' rates were found among divorced males (2.4 per cent), single males (2.13 per cent) and divorced females (1.95 per cent). There was a great amount of variability, but many of the extremely high 'not traced' rates were due to small numbers in particular age and marital status categories.

The majority of high 'not traced' rates (over 3 per cent) were found among single males between the ages of 25 and 39 and divorced males under 50. Among females, only

widows up to the age of 49 showed not 'traced' rates over 3 per cent.

8.5.2 By country of birth

Table 8.20a shows the 1991 LS sample population by sex, country of birth and 'not traced' rates. The overall 'not traced' rate was 1.7 per cent, with the lowest 'not traced' rate of 0.94 per cent found among males whose country of birth was given at census as England and Wales. It should be noted that when examining the tracing rates shown in Table 8.20a, only 11 per cent of the LS sample in 1991 gave a country of birth outside of England and Wales. As a proportion of the LS population, this was 1 per cent more than in the 1981 sample and 3 per cent more than in the 1971 sample.

The 'not traced' rates for LS members with countries of birth other than England and Wales showed a great deal of variability. This ranged from 2.88 per cent for those born in 'other UK' (Isle of Man, Channel Islands) to 37.28 per cent for those LS members who gave their country of birth as the USA. Excluding those born in North America, particularly high 'not traced' rates were found among males and females born in the West African Commonwealth, those born in countries given as 'the Rest of the World', and males born in the Old Commonwealth.

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Table 8.18 1991 LS sample population by sex, age and 'not traced' rates*

Age	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
0-4	18,000	255	18,255	1.40	17,444	244	17,688	1.38	35,444	499	35,943	1.39
5-9	17,039	287	17,326	1.66	16,266	212	16,478	1.29	33,305	499	33,804	1.48
10-14	16,429	256	16,685	1.53	15,624	207	15,831	1.31	32,053	463	32,516	1.42
15-19	17,662	278	17,940	1.55	17,153	256	17,409	1.47	34,815	534	35,349	1.51
20-24	19,133	555	19,688	2.82	19,861	496	20,357	2.44	38,994	1,051	40,045	2.62
25-29	20,383	623	21,006	2.97	21,271	570	21,841	2.61	41,654	1,193	42,847	2.78
30-34	19,450	480	19,930	2.41	19,613	417	20,030	2.08	39,063	897	39,960	2.24
35-39	17,956	362	18,318	1.98	17,980	360	18,340	1.96	35,936	722	36,658	1.97
40-44	19,377	294	19,671	1.49	19,900	287	20,187	1.42	39,277	581	39,858	1.46
45-49	16,633	226	16,859	1.34	16,589	245	16,834	1.46	33,222	471	33,693	1.40
50-54	14,919	215	15,134	1.42	14,542	245	14,787	1.66	29,461	460	29,921	1.54
55-59	14,015	176	14,191	1.24	13,980	214	14,194	1.51	27,995	390	28,385	1.37
60-64	13,448	135	13,583	0.99	14,178	183	14,361	1.27	27,626	318	27,944	1.14
65-69	12,215	146	12,361	1.18	14,371	172	14,543	1.18	26,586	318	26,904	1.18
70-74	9,268	97	9,365	1.04	12,231	159	12,390	1.28	21,499	256	21,755	1.18
75+	12,829	171	13,000	1.32	24,888	406	25,294	1.61	37,717	577	38,294	1.51
Total	258,756	4,556	263,312	1.73	275,891	4,673	280,564	1.67	534,647	9,229	543,876	1.70

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.19 1991 LS sample population by age, sex, marital status and 'not traced' rates*

Age	Single				Married			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Males								
0 - 15	54,565	839	55,404	1.51	0	0	0	0.00
16 - 19	14,455	237	14,692	1.61	95	0	95	0.00
20 - 24	16,865	468	17,333	2.70	2,180	83	2,263	3.67
25 - 29	10,749	381	11,130	3.42	8,930	224	9,154	2.45
30 - 34	5,252	185	5,437	3.40	12,915	265	13,180	2.01
35 - 39	2,837	89	2,926	3.04	13,532	234	13,766	1.70
40 - 44	2,127	53	2,180	2.43	15,340	190	15,530	1.22
45 - 49	1,453	39	1,492	2.61	13,551	147	13,698	1.07
50 - 64	3,304	106	3,410	3.11	34,804	323	35,127	0.92
65 +	2,430	81	2,511	3.23	24,776	230	25,006	0.92
Total	114,037	2,478	116,515	2.13	126,123	1,696	127,819	1.33
Females								
0 - 15	52,363	710	53,073	1.34	0	0	0	0.00
16 - 19	13,786	192	13,978	1.37	327	16	343	4.66
20 - 24	14,930	296	15,226	1.94	4,612	184	4,796	3.84
25 - 29	7,874	217	8,091	2.68	12,009	320	12,329	2.60
30 - 34	3,404	87	3,491	2.49	14,137	287	14,424	1.99
35 - 39	1,682	43	1,725	2.49	14,004	268	14,272	1.88
40 - 44	1,247	26	1,273	2.04	16,002	201	16,203	1.24
45 - 49	818	24	842	2.85	13,283	172	13,455	1.28
50 - 64	2,285	61	2,346	2.60	31,982	421	32,403	1.30
65 +	4,456	86	4,542	1.89	20,109	257	20,366	1.26
Total	102,845	1,742	104,587	1.67	126,465	2,126	128,591	1.65
Age	Divorced				Widowed			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Males								
0 - 15	0	0	0	0.00	0	0	0	0.00
16 - 19	11	0	11	0.00	4	0	4	0.00
20 - 24	86	3	89	3.37	2	1	3	33.33
25 - 29	689	17	706	2.41	15	1	16	6.25
30 - 34	1,253	29	1,282	2.26	30	1	31	3.23
35 - 39	1,546	36	1,582	2.28	41	3	44	6.82
40 - 44	1,827	48	1,875	2.56	83	3	86	3.49
45 - 49	1,518	34	1,552	2.19	111	6	117	5.13
50 - 64	3,012	69	3,081	2.24	1,262	28	1,290	2.17
65+	999	33	1,032	3.20	6,107	70	6,177	1.13
Total	10,941	269	11,210	2.40	7,655	113	7,768	1.45
Females								
0 - 15	0	0	0	0.00	0	0	0	0.00
16 - 19	7	0	7	0.00	4	1	5	20.00
20 - 24	302	13	315	4.13	17	3	20	15.00
25 - 29	1,339	30	1,369	2.19	49	3	52	5.77
30 - 34	1,982	39	2,021	1.93	90	4	94	4.26
35 - 39	2,135	43	2,178	1.97	159	6	165	3.64
40 - 44	2,352	50	2,402	2.08	299	10	309	3.24
45 - 49	1,988	32	2,020	1.58	500	17	517	3.29
50 - 64	3,541	57	3,598	1.58	4,892	103	4,995	2.06
65+	1,542	38	1,580	2.41	25,383	356	25,739	1.38
Total	15,188	302	15,490	1.95	31,393	503	31,896	1.58

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.20a 1991 LS sample population by sex, country of birth and 'not traced' rates*

Country of birth	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
England and Wales	232,985	2,201	235,186	0.94	248,786	2,450	251,236	0.98	481,771	4,651	486,422	0.96
Scotland	3,907	149	4,056	3.67	3,891	100	3,991	2.51	7,798	249	8,047	3.09
Northern Ireland	1,128	75	1,203	6.23	1,111	31	1,142	2.71	2,239	106	2,345	4.52
Other UK	170	7	177	3.95	167	3	170	1.76	337	10	347	2.88
Total UK	238,190	2,432	240,622	1.01	253,955	2,584	256,539	1.01	492,145	5,016	497,161	1.01
Irish Republic†	2,729	201	2,930	6.86	3,264	188	3,452	5.45	5,993	389	6,382	6.10
India	3,237	197	3,434	5.74	3,224	260	3,484	7.46	6,461	457	6,918	6.61
Pakistan	2,245	154	2,399	6.42	1,805	191	1,996	9.57	4,050	345	4,395	7.85
Bangladesh	897	74	971	7.62	909	89	998	8.92	1,806	163	1,969	8.28
East African Commonwealth	1,299	58	1,357	4.27	1,242	62	1,304	4.75	2,541	120	2,661	4.51
West African Commonwealth	421	90	511	17.61	429	77	506	15.22	850	167	1,017	16.42
South African Commonwealth	116	9	125	7.20	131	7	138	5.07	247	16	263	6.08
Total African Commonwealth	1,836	157	1,993	7.88	1,802	146	1,948	7.49	3,638	303	3,941	7.69
Caribbean Commonwealth	1,331	103	1,434	7.18	1,491	104	1,595	6.52	2,822	207	3,029	6.83
Mediterranean Commonwealth	752	48	800	6.00	704	70	774	9.04	1,456	118	1,574	7.50
Far East Commonwealth	750	58	808	7.18	766	56	822	6.81	1,516	114	1,630	6.99
Rest of New Commonwealth	191	16	207	7.73	193	10	203	4.93	384	26	410	6.34
Total New Commonwealth	11,239	807	12,046	6.70	10,894	926	11,820	7.83	22,133	1,733	23,866	7.26
Old Commonwealth	729	92	821	11.21	878	60	938	6.40	1,607	152	1,759	8.64
Europe including USSR	3,436	314	3,750	8.37	4,262	294	4,556	6.45	7,698	608	8,306	7.32
USA	425	313	738	42.41	475	222	697	31.85	900	535	1,435	37.28
Rest of the World	1,541	362	1,903	19.02	1,632	371	2,003	18.52	3,173	733	3,906	18.77
Not stated	467	35	502	6.97	531	28	559	5.01	998	63	1,061	5.94
Total	258,756	4,556	263,312	1.73	275,891	4,673	280,564	1.67	534,647	9,229	543,876	1.70

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

† Includes Ireland, part not stated.

Table 8.20b 1991 LS sample population by sex, country of birth, age and 'not traced' rates*

Country of birth and age group	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
United Kingdom												
0 - 14	50,032	611	50,643	1.21	47,912	490	48,402	1.01	97,944	1,101	99,045	1.11
15 - 29	53,325	731	54,056	1.35	53,902	661	54,563	1.21	107,227	1,392	108,619	1.28
30 - 44	50,502	485	50,987	0.95	50,528	474	51,002	0.93	101,030	959	101,989	0.94
45 - 59/64	40,560	282	40,842	0.69	40,361	329	40,690	0.81	80,921	611	81,532	0.75
60/65+	43,771	323	44,094	0.73	61,252	630	61,882	1.02	105,023	953	105,976	0.90
Total	238,190	2,432	240,622	1.01	253,955	2,584	256,539	1.01	492,145	5,016	497,161	1.01
Irish Republic†												
0 - 14	86	8	94	8.51	98	0	98	0.00	184	8	192	4.17
15 - 29	293	66	359	18.38	391	50	441	11.34	684	116	800	14.50
30 - 44	546	34	580	5.86	634	31	662	4.66	1,180	65	1,245	5.22
45 - 59/64	924	42	966	4.35	969	49	1,018	4.81	1,893	91	1,984	4.59
60/65+	880	51	931	5.48	1,172	58	1,230	4.72	2,052	109	2,161	5.04
Total	2,729	201	2,930	6.86	3,264	188	3,452	5.45	5,993	389	6,382	6.10
New Commonwealth												
0 - 14	520	45	565	7.96	539	48	587	8.18	1,059	93	1,152	8.07
15 - 29	2,094	204	2,298	8.88	2,406	242	2,648	9.14	4,500	446	4,946	9.02
30 - 44	4,102	284	4,386	6.48	4,290	298	4,588	6.50	8,392	582	8,974	6.49
45 - 59/64	3,067	176	3,243	5.43	2,442	209	2,651	7.88	5,509	385	5,894	6.53
60/65+	1,456	98	1,554	6.31	1,217	129	1,346	9.58	2,673	227	2,900	7.83
Total	11,239	807	12,046	6.70	10,894	926	11,820	7.83	22,133	1,733	23,866	7.26
India												
0 - 14	37	2	39	5.13	45	1	46	2.17	82	3	85	3.53
15 - 29	336	25	361	6.93	513	53	566	9.36	849	78	927	8.41
30 - 44	1,207	81	1,288	6.29	1,322	87	1,409	6.17	2,529	168	2,697	6.23
45 - 59/64	1,114	53	1,167	4.54	854	77	931	8.27	1,968	130	2,098	6.20
60/65+	543	36	579	6.22	490	42	532	7.89	1,033	78	1,111	7.02
Total	3,237	197	3,434	5.74	3,224	260	3,484	7.46	6,461	457	6,918	6.61
Pakistan												
0 - 14	135	8	143	5.59	122	13	135	9.63	257	21	278	7.55
15 - 29	492	53	545	9.72	516	51	567	8.99	1,008	104	1,112	9.35
30 - 44	942	47	989	4.75	739	83	822	10.10	1,681	130	1,811	7.18
45 - 59/64	485	34	519	6.55	339	31	370	8.38	824	65	889	7.31
60/65+	191	12	203	5.91	89	13	102	12.75	280	25	305	8.20
Total	2,245	154	2,399	6.42	1,805	191	1,996	9.57	4,050	345	4,395	7.85
African Commonwealth												
0 - 14	77	10	87	11.49	120	10	130	7.69	197	20	217	9.22
15 - 29	486	55	541	10.17	499	65	564	11.52	985	120	1,105	10.86
30 - 44	844	72	916	7.86	854	42	896	4.69	1,698	114	1,812	6.29
45 - 59	350	17	367	4.63	262	19	281	6.76	612	36	648	5.56
60+	79	3	82	3.66	67	10	77	12.99	146	13	159	8.18
Total	1,836	157	1,993	7.88	1,802	146	1,948	7.49	3,638	303	3,941	7.69

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

† Includes Ireland, part not stated.

Table 8.20b - continued

Country of birth and age group	Males				Females				Total			
	Traced cases	Un- traced cases	Selected sample	'Not traced' rate	Traced cases	Un- traced cases	Selected sample	'Not traced' rate	Traced cases	Un- traced cases	Selected sample	'Not traced' rate
Caribbean Commonwealth												
0 - 14	19	3	22	13.64	18	1	19	5.26	37	4	41	9.76
15 - 29	73	5	78	6.41	79	12	91	13.19	152	17	169	10.06
30 - 44	338	30	368	8.15	485	30	515	5.83	823	60	883	6.80
45 - 59	529	39	568	6.87	579	36	615	5.85	1,108	75	1,183	6.34
60+	372	26	398	6.53	330	25	355	7.04	702	51	753	6.77
Total	1,331	103	1,434	7.18	1,491	104	1,595	6.52	2,822	207	3,029	6.83
Mediterranean Commonwealth												
0 - 14	32	1	33	3.03	27	1	28	3.57	59	2	61	3.28
15 - 29	130	7	137	5.11	139	10	149	6.71	269	17	286	5.94
30 - 44	224	12	236	5.08	210	10	220	4.55	434	22	456	4.82
45 - 59	230	15	245	6.12	178	19	197	9.64	408	34	442	7.69
60+	136	13	149	8.72	150	30	180	16.67	286	43	329	13.07
Total	752	48	800	6.00	704	70	774	9.04	1,456	118	1,574	7.50
Europe including USSR												
0 - 14	366	23	389	5.91	358	23	381	6.04	724	46	770	5.97
15 - 29	605	128	733	17.46	699	114	813	14.02	1,304	242	1,546	15.65
30 - 44	722	88	810	10.86	894	57	951	5.99	1,616	145	1,761	8.23
45 - 59	516	34	550	6.18	866	44	910	4.84	1,382	78	1,460	5.34
60+	1,227	41	1,268	3.23	1,445	56	1,501	3.73	2,672	97	2,769	3.50
Total	3,436	314	3,750	8.37	4,262	294	4,556	6.45	7,698	608	8,306	7.32
Rest of the World												
0 - 14	464	111	575	19.30	427	102	529	19.28	891	213	1,104	19.29
15 - 29	861	327	1,188	27.53	887	255	1,142	22.33	1,748	582	2,330	24.98
30 - 44	911	245	1,156	21.19	1,147	204	1,351	15.10	2,058	449	2,507	17.91
45 - 59	500	83	583	14.24	473	73	546	13.37	973	156	1,129	13.82
60+	426	36	462	7.79	582	47	629	7.47	1,008	83	1,091	7.61
Total	3,162	802	3,964	20.23	3,516	681	4,197	16.23	6,678	1,483	8,161	18.17
All countries												
0 - 14	51,468	798	52,266	1.53	49,334	663	49,997	1.33	100,802	1,461	102,263	1.43
15 - 29	57,178	1,456	58,634	2.48	58,285	1,322	59,607	2.22	115,463	2,778	118,241	2.35
30 - 44	56,783	1,136	57,919	1.96	57,493	1,064	58,557	1.82	114,276	2,200	116,476	1.89
45 - 59	45,567	617	46,184	1.34	45,111	704	45,815	1.54	90,678	1,321	91,999	1.44
60+	47,760	549	48,309	1.14	65,668	920	66,588	1.38	113,428	1,469	114,897	1.28
Total	258,756	4,556	263,312	1.73	275,891	4,673	280,564	1.67	534,647	9,229	543,876	1.70

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.21 1991 LS sample population by sex, region of usual residence and 'not traced' rates*

Region of usual residence	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
North	15,833	133	15,966	0.83	16,793	134	16,927	0.79	32,626	267	32,893	0.81
Yorkshire & Humberside	25,435	260	25,695	1.01	26,972	280	27,252	1.03	52,407	540	52,947	1.02
East Midlands	20,762	219	20,981	1.04	21,829	227	22,056	1.03	42,591	446	43,037	1.04
East Anglia	10,262	267	10,529	2.54	10,982	235	11,217	2.10	21,244	502	21,746	2.31
South East (including London)	88,379	2,551	90,930	2.81	94,478	2,615	97,093	2.69	182,857	5,166	188,023	2.75
South West	23,843	258	24,101	1.07	25,774	273	26,047	1.05	49,617	531	50,148	1.06
West Midlands	27,349	348	27,697	1.26	28,706	336	29,042	1.16	56,055	684	56,739	1.21
North West	32,238	339	32,577	1.04	34,731	401	35,132	1.14	66,969	740	67,709	1.09
Wales	14,642	181	14,823	1.22	15,606	172	15,778	1.09	30,248	353	30,601	1.15
Total	258,743	4,556	263,299	1.73	275,871	4,673	280,544	1.67	534,614	9,229	543,843	1.70

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.22 1991 LS sample population by sex, household type and 'not traced' rates*

Household type	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
Private households	253,025	4,227	257,252	1.64	268,893	4,411	273,304	1.61	521,918	8,638	530,556	1.63
Non-private households												
Hotels	1,129	73	1,202	6.07	866	49	915	5.36	1,995	122	2,117	5.76
Psychiatric hospitals	164	13	177	7.34	205	20	225	8.89	369	33	402	8.21
Other hospitals	787	33	820	4.02	1,269	40	1,309	3.06	2,056	73	2,129	3.43
Homes for the elderly	999	29	1,028	2.82	3,045	87	3,132	2.78	4,044	116	4,160	2.79
Childrens homes	52	1	53	1.89	54	2	56	3.57	106	3	109	2.75
Educational establishments	1,145	27	1,172	2.30	891	21	912	2.30	2,036	48	2,084	2.30
Places of detention	268	34	302	11.26	9	2	11	18.18	277	36	313	11.50
Defence establishments	463	69	532	12.97	76	10	86	11.63	539	79	618	12.78
Other establishments	724	50	774	6.46	583	31	614	5.05	1,307	81	1,388	5.84
Total non-private households	5,731	329	6,060	5.43	6,998	262	7,260	3.61	12,729	591	13,320	4.44
Total	258,756	4,556	263,312	1.73	275,891	4,673	280,564	1.67	534,647	9,229	543,876	1.70

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

'Not traced' rates tended to be higher for males born in all countries except England and Wales, India, Pakistan, Bangladesh and the Mediterranean Commonwealth, where female rates were higher.

Although the 'not traced' rate for persons born in the New Commonwealth was 7.26 per cent overall, the rates for Pakistan and Bangladesh were slightly higher at 7.85 and 8.28 respectively. While little difference was noticeable in 'not traced' rates between 1981 and 1991 for those giving their place of birth as either India, Pakistan or Bangladesh, there was great improvement in tracing for those of Indian or Pakistani origin between 1971 and 1981. The 'not traced' rates dropped from 16 and 25 per cent to 5 and 8 per cent respectively. There appears to have been very little change in the tracing rates for these groups since 1981.

Table 8.20b shows tracing rates for selected countries of birth by age group and sex. For most countries of birth the 'not traced' rate was higher for those LS members aged 15–29 at the 1991 Census. The only exceptions were females in the age groups 0–14 and 30–44 who were born in Pakistan and males aged 0–14 born in either the African Commonwealth or the Caribbean Commonwealth.

8.5.3 By region of usual residence

Table 8.21 shows tracing rates by region of usual residence at the 1991 Census. Tracing of LS sample members enumerated in the Northern region was particularly good, with 'not traced' rates of less than 1 per cent. The highest 'not traced' rates were found in the South East (including London) where 2.81 per cent of males and 2.69 per cent of females were untraced, and in East Anglia where the 'not traced' rates were 2.54 for males and 2.10 per cent for females.

8.5.4 By type of household

Tracing rates by sex and household type for LS members in 1991 are shown in Table 8.22. As at previous censuses, the tracing rates for persons in communal establishments were considerably lower than for those persons enumerated in private households. 'Not traced' rates were particularly high for LS members enumerated in defence establishments, places of detention and psychiatric hospitals. LS members resident in these types of establishment come under medical services outside of the NHS (see section 8.3.4).

Although the proportion of LS members enumerated in communal establishments dropped in 1981 (from 2.7 to 2.2 per cent of all LS members), it rose again in 1991 to 2.4 per cent. Much of this rise was accounted for by the higher numbers of persons resident in homes for the elderly and in educational establishments in 1991.

8.5.5 By economic position

In 1991, unlike 1981, differences in overall tracing rates

were found between LS members classified as economically active or economically inactive. The 1991 'not traced' rates were also generally higher than those in 1981. This was particularly noticeable for females where the overall 'not traced' rates were 1.6 per cent for those categorised as economically active (1.1 per cent in 1981) and 1.88 per cent for the economically inactive (1.14 per cent in 1981). Economically active males showed higher overall 'not traced' rates than females at 1.8 per cent, but lower 'not traced' rates where they were economically inactive (1.77 per cent) (see Table 8.23).

As in 1981, the highest 'not traced' rates were found for both males and females in the 'other inactive' group of the economically inactive population. These high rates were influenced by the small numbers of persons found in this category who included persons of independent means and those with no stated occupation. Students also had high 'not traced' rates and this was the case for both male and female students aged between 25 and 34 (10.99 and 9.85 per cent respectively). High 'not traced' rates were also found for male housewives (4.17 per cent overall).

Among the economically active population those classified as in employment had higher tracing rates than those who were out of employment. Females in employment had lower 'not traced' rates than males in the same category (1.45 compared with 1.62 per cent). The same picture was not seen for males and females who were out of employment. Females had a higher overall 'not traced' rate for the category. 'Not traced' rates for males in each age group, with the exception of that for males aged 65 and over, showed lower 'not traced' rates than females.

8.5.6 By social class

Tracing rates by sex and social class for the 1991 LS sample are shown in Table 8.24. The overall 'not traced' rates were 1.56 per cent for males and 1.4 per cent for females. Unlike 1981, overall tracing rates were lower for the non-manual social classes than for the manual, but they were still lower for women than for men in either classification. The highest 'not traced' rates for both sexes were found among those who were in the armed forces or whose social class was inadequately described. However, it should be noted that less than 2 per cent of all persons with a social class were in this category.

8.5.7 By socio-economic group

Table 8.25 shows tracing rates by sex and socio-economic group for the 1991 LS sample. 'Not traced' rates were generally low, with overall 'not traced' rates of 1.56 per cent for males and 1.40 for females. As in 1981, the highest 'not traced' rates were found among persons in the armed forces (17.43 per cent), those who were inadequately described (4.36 per cent) and personal service workers (2.34 per cent).

Table 8.23 1991 LS sample population aged 16 and over by age, sex, economic position and 'not traced' rates*

Economic position and age	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
Economically active								
In employment								
16-24	21,443	423	21,866	1.93	19,626	334	19,960	1.67
25-34	33,816	763	34,579	2.21	25,312	489	25,801	1.90
35-44	32,639	481	33,120	1.45	26,214	333	26,547	1.25
45-54	26,621	310	26,931	1.15	21,003	229	21,232	1.08
55-64	16,457	167	16,624	1.00	9,990	114	10,104	1.13
65+	2,635	61	2,696	2.26	1,586	25	1,611	1.55
Total	133,611	2,205	135,816	1.62	103,731	1,524	105,255	1.45
Out of employment								
16-24	4,631	117	4,748	2.46	2,750	82	2,832	2.90
25-34	4,211	201	4,412	4.56	1,957	95	2,052	4.63
35-44	2,959	107	3,066	3.49	1,214	44	1,258	3.50
45-54	2,252	67	2,319	2.89	964	50	1,014	4.93
55-64	2,293	38	2,331	1.63	458	11	469	2.35
65+	45	8	53	15.09	31	5	36	13.89
Total	16,391	538	16,929	3.18	7,374	287	7,661	3.75
All economically active								
16-24	26,074	540	26,614	2.03	22,376	416	22,792	1.83
25-34	38,027	964	38,991	2.47	27,269	584	27,853	2.10
35-44	35,598	588	36,186	1.62	27,428	377	27,805	1.36
45-54	28,873	377	29,250	1.29	21,967	279	22,246	1.25
55-64	18,750	205	18,955	1.08	10,448	125	10,573	1.18
65+	2,680	69	2,749	2.51	1,617	30	1,647	1.82
Total	150,002	2,743	152,745	1.80	111,105	1,811	112,916	1.60
Economically inactive								
Wholly retired								
16-24	7	2	9	22.22	15	3	18	16.67
25-34	15	0	15	0.00	19	2	21	9.52
35-44	52	3	55	5.45	44	1	45	2.22
45-54	278	7	285	2.46	405	16	421	3.80
55-64	3,988	46	4,034	1.14	8,319	111	8,430	1.32
65+	30,239	309	30,548	1.01	37,826	515	38,341	1.34
Total	34,579	367	34,946	1.05	46,628	648	47,276	1.37
Permanently sick								
16-24	312	8	320	2.50	333	7	340	2.06
25-34	794	19	813	2.34	696	14	710	1.97
35-44	1,173	30	1,203	2.49	1,109	22	1,131	1.95
45-54	2,140	40	2,180	1.83	1,867	41	1,908	2.15
55-64	4,480	54	4,534	1.19	1,920	48	1,968	2.44
65+	1,164	26	1,190	2.18	1,306	45	1,351	3.33
Total	10,063	177	10,240	1.73	7,231	177	7,408	2.39

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.23 - continued

Economic position and age	Males				Females			
	Traced cases	Untraced cases	Selected sample	'Not traced' rate	Traced cases	Untraced cases	Selected sample	'Not traced' rate
At school/student								
16-24	7,067	225	7,292	3.09	7,059	173	7,232	2.39
25-34	591	73	664	10.99	494	54	548	9.85
35-44	156	10	166	6.02	230	7	237	2.95
45-54	38	3	41	7.32	69	1	70	1.43
55-64	6	1	7	14.29	5	1	6	16.67
65+	5	0	5	0.00	7	0	7	0.00
Total	7,863	312	8,175	3.82	7,864	236	8,100	2.91
Housewife								
16-24	77	5	82	6.10	4,104	96	4,200	2.29
25-34	277	16	293	5.46	12,329	321	12,650	2.54
35-44	295	14	309	4.53	9,023	234	9,257	2.53
45-54	187	7	194	3.61	6,795	149	6,944	2.15
55-64	205	3	208	1.44	7,428	107	7,535	1.42
65+	176	8	184	4.35	10,574	142	10,716	1.33
Total	1,217	53	1,270	4.17	50,253	1,049	51,302	2.04
Other inactive								
16-24	161	12	173	6.94	98	10	108	9.26
25-34	129	31	160	19.38	77	12	89	13.48
35-44	59	11	70	15.71	46	6	52	11.54
45-54	36	7	43	16.28	28	4	32	12.50
55-64	34	2	36	5.56	38	5	43	11.63
65+	48	2	50	4.00	160	5	165	3.03
Total	467	65	532	12.22	447	42	489	8.59
All economically inactive								
16-24	7,624	252	7,876	3.20	11,609	289	11,898	2.43
25-34	1,806	139	1,945	7.15	13,615	403	14,018	2.87
35-44	1,735	68	1,803	3.77	10,452	270	10,722	2.52
45-54	2,679	64	2,743	2.33	9,164	211	9,375	2.25
55-64	8,713	106	8,819	1.20	17,710	272	17,982	1.51
65 +	31,632	345	31,977	1.08	49,873	707	50,580	1.40
Total	54,189	974	55,163	1.77	112,423	2,152	114,575	1.88

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.24 1991 LS sample population aged 16 and over by sex, social class and 'not traced' rates*

Social class	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
Non-manual												
I Professional	10,732	175	10,907	1.60	2,341	79	2,420	3.26	13,073	254	13,327	1.91
II Intermediate	45,399	624	46,023	1.36	35,827	513	36,340	1.41	81,226	1,137	82,363	1.38
IIIN Skilled	18,936	238	19,174	1.24	55,139	619	55,758	1.11	74,075	857	74,932	1.14
Total non-manual	75,067	1,037	76,104	1.36	93,307	1,211	94,518	1.28	168,374	2,248	170,622	1.32
Manual												
IIIM Skilled	54,110	654	54,764	1.19	10,722	147	10,869	1.35	64,832	801	65,633	1.22
IV Part skilled	27,308	403	27,711	1.45	26,204	389	26,593	1.46	53,512	792	54,304	1.46
V Unskilled	9,244	174	9,418	1.85	10,979	168	11,147	1.51	20,223	342	20,565	1.66
Armed forces and inadequately described	3,253	417	3,670	11.36	1,451	115	1,566	7.34	4,704	532	5,236	10.16
Total manual	93,915	1,648	95,563	1.72	49,356	819	50,175	1.63	143,271	2,467	145,738	1.69
Total	168,982	2,685	171,667	1.56	142,663	2,030	144,693	1.40	311,645	4,715	316,360	1.49

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$

Table 8.25 1991 LS sample population aged 16 and over by sex, socio-economic group and 'not traced' rates*

Socio-economic group	Males				Females				Total			
	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate	Traced cases	Un-traced cases	Selected sample	'Not traced' rate
Employers in industry/commerce large	41	1	42	2.38	12	0	12	0.00	53	1	54	1.85
Managers in central/local govt. large	8,966	95	9,061	1.05	3,378	56	3,434	1.63	12,344	151	12,495	1.21
Employers in industry/commerce small	5,183	75	5,258	1.43	1,921	42	1,963	2.14	7,104	117	7,221	1.62
Managers in central/local govt. small	16,029	229	16,258	1.41	7,997	129	8,126	1.59	24,026	358	24,384	1.47
Professional - self employed	2,035	24	2,059	1.17	350	8	358	2.23	2,385	32	2,417	1.32
Professional - employees	8,649	139	8,788	1.58	1,981	68	2,049	3.32	10,630	207	10,837	1.91
Ancillary workers and artists	14,319	224	14,543	1.54	21,495	270	21,765	1.24	35,814	494	36,308	1.36
Foremen/supervisors non-manual	1,252	8	1,260	0.63	1,859	17	1,876	0.91	3,111	25	3,136	0.80
Junior non-manual	15,964	196	16,160	1.21	52,494	581	53,075	1.09	68,458	777	69,235	1.12
Personal service workers	2,813	156	2,969	5.25	12,864	220	13,084	1.68	15,677	376	16,053	2.34
Foremen/supervisors manual	5,451	45	5,496	0.82	1,065	7	1,072	0.65	6,516	52	6,568	0.79
Skilled manual	36,641	387	37,028	1.05	4,414	54	4,468	1.21	41,055	441	41,496	1.06
Semi-skilled manual	22,011	287	22,298	1.29	15,635	225	15,860	1.42	37,646	512	38,158	1.34
Unskilled manual	8,290	161	8,451	1.91	10,854	161	11,015	1.46	19,144	322	19,466	1.65
Own account workers (not professional)	14,667	213	14,880	1.43	3,748	65	3,813	1.70	18,415	278	18,693	1.49
Farmers - employers and managers	838	4	842	0.48	159	2	161	1.24	997	6	1,003	0.60
Farmers - own account	980	8	988	0.81	190	0	190	0.00	1,170	8	1,178	0.68
Agricultural workers	1,600	16	1,616	0.99	796	10	806	1.24	2,396	26	2,422	1.07
Members of the armed forces	1,750	342	2,092	16.35	169	63	232	27.16	1,919	405	2,324	17.43
Inadequately described	1,503	75	1,578	4.75	1,282	52	1,334	3.90	2,785	127	2,912	4.36
Total	168,982	2,685	171,667	1.56	142,663	2,030	144,693	1.40	311,645	4,715	316,360	1.49

* Not traced rate = $\frac{\text{number not traced in subgroup}}{\text{original sample in subgroup}} \times 100\%$