

## **ONS Longitudinal Study**

### **Quality of tracing at the 1991 Census**

Tracing of LS records from the 1991 Longitudinal Study (LS) sample was more successful than at either of the previous censuses, with 98.3 per cent of LS members traced. However, a number of factors have been identified that were related to members of the 1991 LS sample not being traced. These include:

- being a young adult
- being divorced
- being born outside of the UK
- being in the economic position 'other inactive' or a full-time student
- living in London
- being a member of an ethnic minority
- living in certain types of communal establishment, such as defence establishments or psychiatric hospitals
- serving in the armed forces.

## **Tracing rates at 1991 Census by sex and age**

Females were more likely to be traced than males among the 1991 LS sample, with respective not-traced rates of 1.55 per cent and 1.71 per cent. For both sexes, tracing rates were lower among 20- to 39-year-olds and lowest among 20- to 24-year-olds (3.14 per cent of males and 2.50 per cent of females not traced).

For males, tracing rates were higher among those aged 55 and over, and highest among 70- to 74-year-olds (0.94 per cent not traced). For females, tracing was higher among 5- to 14-year-olds and those aged 60 to 74, with the highest tracing rates among 65- to 69-year-olds (1.12 per cent not traced).

Among people aged 20 and over, the likelihood of tracing tended to increase with age, which meant that older groups were more likely to be traced than younger ones. This pattern applied to both males and females under 75. An exception was found among 50- to 54-year-olds who were less likely to be traced than people in adjacent age groups.

In general, below the age of 50, females were more likely to be traced than males, whereas among the sample aged 50 and over, males were more likely to be traced. Exceptions were found among 0- to 4-year-olds, where males were more likely to be traced than females (1.22 per cent of males and 1.31 per cent of females not traced), and among 65- to 69-year-olds, where females were more likely to be traced than males (1.16 per cent of males not traced compared with 1.12 per cent of females).

**Table T91.1 1991 LS sample not traced rates by sex and age**

Age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
0-4	18,020	222	18,242	1.22	17,470	231	17,701	1.31	35,490	453	35,943	1.26
5-9	17,091	240	17,331	1.38	16,283	190	16,473	1.15	33,374	430	33,804	1.27
10-14	16,466	210	16,676	1.26	15,655	185	15,840	1.17	32,121	395	32,516	1.21
15-19	17,704	268	17,972	1.49	17,124	253	17,377	1.46	34,828	521	35,349	1.47
20-24	19,081	619	19,700	3.14	19,838	508	20,346	2.50	38,919	1,127	40,046	2.81
25-29	20,379	648	21,027	3.08	21,277	543	21,820	2.49	41,656	1,191	42,847	2.78
30-34	19,445	514	19,959	2.58	19,613	390	20,003	1.95	39,058	904	39,962	2.26
35-39	17,961	375	18,336	2.05	18,005	318	18,323	1.74	35,966	693	36,659	1.89
40-44	19,392	296	19,688	1.50	19,929	241	20,170	1.19	39,321	537	39,858	1.35
45-49	16,673	219	16,892	1.30	16,589	212	16,801	1.26	33,262	431	33,693	1.28
50-54	14,979	210	15,189	1.38	14,510	222	14,732	1.51	29,489	432	29,921	1.44
55-59	14,053	164	14,217	1.15	13,977	191	14,168	1.35	28,030	355	28,385	1.25
60-64	13,466	135	13,601	0.99	14,176	168	14,344	1.17	27,642	303	27,945	1.08
65-69	12,241	144	12,385	1.16	14,357	162	14,519	1.12	26,598	306	26,904	1.14
70-74	9,296	88	9,384	0.94	12,216	155	12,371	1.25	21,512	243	21,755	1.12
75+	12,891	168	13,059	1.29	24,864	374	25,238	1.48	37,755	542	38,297	1.42
Total	259,138	4,520	263,658	1.71	275,883	4,343	280,226	1.55	535,021	8,863	543,884	1.63

**Notes:**<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)<sup>2</sup> LS members, usually resident in England and Wales<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

## **Tracing rates at 1991 Census by sex, age and marital status**

Divorced LS members were the least likely of all marital-status groups to be traced in 1991 (2.32 per cent of males and 1.72 per cent of females not traced). Tracing was most successful among married people (1.35 per cent of males and 1.47 per cent of female not traced). Overall, females were more likely to be traced than males but males were more likely to be traced among the married and widowed groups.

Among never-married people, 0- to 15-year-olds were most likely to be traced (1.29 per cent of males and 1.22 per cent of females not traced). Lower tracing rates were found among 20- to 39-year-olds, with the lowest tracing rates found for 30- to 34-year-old males (3.58 per cent not traced) and 25- to 29-year-old females (2.77 per cent not traced).

Among married people, tracing rates were higher at older ages and highest at 60 to 64 years (0.69 per cent of males and 0.90 per cent of females not traced). Widowed people aged 60 and over were also more likely to be traced but there was no consistent pattern of tracing by age among divorced people.

**Table T91.2 1991 LS sample not traced rates by sex, age and marital status**

Marital Status and age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>Never Married</b>												
0-15	54,681	713	55,394	1.29	52,436	647	53,083	1.22	107,117	1,360	108,477	1.25
16-19	14,498	226	14,724	1.53	13,754	192	13,946	1.38	28,252	418	28,670	1.46
20-24	16,808	527	17,335	3.04	14,886	339	15,225	2.23	31,694	866	32,560	2.66
25-29	10,734	396	11,130	3.56	7,867	224	8,091	2.77	18,601	620	19,221	3.23
30-34	5,258	195	5,453	3.58	3,385	91	3,476	2.62	8,643	286	8,929	3.20
35-39	2,839	92	2,931	3.14	1,679	41	1,720	2.38	4,518	133	4,651	2.86
40-44	2,125	55	2,180	2.52	1,251	22	1,273	1.73	3,376	77	3,453	2.23
45-49	1,452	39	1,491	2.62	820	23	843	2.73	2,272	62	2,334	2.66
50-54	1,139	37	1,176	3.15	684	18	702	2.56	1,823	55	1,878	2.93
55-59	1,071	30	1,101	2.72	747	17	764	2.23	1,818	47	1,865	2.52
60-64	1,095	34	1,129	3.01	862	22	884	2.49	1,957	56	2,013	2.78
65-69	967	30	997	3.01	942	20	962	2.08	1,909	50	1,959	2.55
70-74	677	17	694	2.45	922	16	938	1.71	1,599	33	1,632	2.02
75+	792	32	824	3.88	2,592	47	2,639	1.78	3,384	79	3,463	2.28
Total	114,136	2,423	116,559	2.08	102,827	1,719	104,546	1.64	216,963	4,142	221,105	1.87
<b>Married</b>												
16-19	90	0	90	0.00	328	20	348	5.75	418	20	438	4.57
20-24	2,185	88	2,273	3.87	4,632	154	4,786	3.22	6,817	242	7,059	3.43
25-29	8,943	233	9,176	2.54	12,017	290	12,307	2.36	20,960	523	21,483	2.43
30-34	12,913	286	13,199	2.17	14,140	266	14,406	1.85	27,053	552	27,605	2.00
35-39	13,532	244	13,776	1.77	14,034	229	14,263	1.61	27,566	473	28,039	1.69
40-44	15,346	193	15,539	1.24	16,022	172	16,194	1.06	31,368	365	31,733	1.15
45-49	13,579	143	13,722	1.04	13,289	142	13,431	1.06	26,868	285	27,153	1.05
50-54	12,375	135	12,510	1.08	11,468	151	11,619	1.30	23,843	286	24,129	1.19
55-59	11,589	107	11,696	0.91	10,683	134	10,817	1.24	22,272	241	22,513	1.07
60-64	10,937	76	11,013	0.69	9,786	89	9,875	0.90	20,723	165	20,888	0.79
65-69	9,659	81	9,740	0.83	8,525	77	8,602	0.90	18,184	158	18,342	0.86
70-74	7,095	55	7,150	0.77	5,776	56	5,832	0.96	12,871	111	12,982	0.86
75+	8,086	87	8,173	1.06	5,771	104	5,875	1.77	13,857	191	14,048	1.36
Total	126,329	1,728	128,057	1.35	126,471	1,884	128,355	1.47	252,800	3,612	256,412	1.41
<b>Divorced</b>												
16-29	783	21	804	2.61	1,656	37	1,693	2.19	2,439	58	2,497	2.32
30-34	1,251	30	1,281	2.34	1,993	29	2,022	1.43	3,244	59	3,303	1.79
35-39	1,551	36	1,587	2.27	2,132	41	2,173	1.89	3,683	77	3,760	2.05
40-44	1,839	45	1,884	2.39	2,353	40	2,393	1.67	4,192	85	4,277	1.99
45-49	1,529	32	1,561	2.05	1,981	30	2,011	1.49	3,510	62	3,572	1.74
50-54	1,233	34	1,267	2.68	1,510	26	1,536	1.69	2,743	60	2,803	2.14
55-59	1,033	19	1,052	1.81	1,100	13	1,113	1.17	2,133	32	2,165	1.48
60-64	757	12	769	1.56	928	14	942	1.49	1,685	26	1,711	1.52
65-69	488	13	501	2.59	641	13	654	1.99	1,129	26	1,155	2.25
70-74	274	7	281	2.49	443	10	453	2.21	717	17	734	2.32
75+	234	12	246	4.88	464	13	477	2.73	698	25	723	3.46
Total	10,972	261	11,233	2.32	15,201	266	15,467	1.72	26,173	527	26,700	1.97
<b>Widowed</b>												
16-29	19	3	22	13.64	71	7	78	8.97	90	10	100	10.00
30-34	23	3	26	11.54	95	4	99	4.04	118	7	125	5.60
35-39	39	3	42	7.14	160	7	167	4.19	199	10	209	4.78
40-44	82	3	85	3.53	303	7	310	2.26	385	10	395	2.53
45-49	113	5	118	4.24	499	17	516	3.29	612	22	634	3.47
50-54	232	4	236	1.69	848	27	875	3.09	1,080	31	1,111	2.79
55-59	360	8	368	2.17	1,447	27	1,474	1.83	1,807	35	1,842	1.90
60-64	677	13	690	1.88	2,600	43	2,643	1.63	3,277	56	3,333	1.68
65-69	1,127	20	1,147	1.74	4,249	52	4,301	1.21	5,376	72	5,448	1.32
70-74	1,250	9	1,259	0.71	5,075	73	5,148	1.42	6,325	82	6,407	1.28
75+	3,779	37	3,816	0.97	16,037	210	16,247	1.29	19,816	247	20,063	1.23
Total	7,701	108	7,809	1.38	31,384	474	31,858	1.49	39,085	582	39,667	1.47
<b>Total</b>												
0-15	54,681	713	55,394	1.29	52,436	647	53,083	1.22	107,117	1,360	108,477	1.25
16-19	14,600	227	14,827	1.53	14,096	212	14,308	1.48	28,696	439	29,135	1.51
20-24	19,081	619	19,700	3.14	19,838	508	20,346	2.50	38,919	1,127	40,046	2.81
25-29	20,379	648	21,027	3.08	21,277	543	21,820	2.49	41,656	1,191	42,847	2.78
30-34	19,445	514	19,959	2.58	19,613	390	20,003	1.95	39,058	904	39,962	2.26
35-39	17,961	375	18,336	2.05	18,005	318	18,323	1.74	35,966	693	36,659	1.89
40-44	19,392	296	19,688	1.50	19,929	241	20,170	1.19	39,321	537	39,858	1.35
45-49	16,673	219	16,892	1.30	16,589	212	16,801	1.26	33,262	431	33,693	1.28
50-54	14,979	210	15,189	1.38	14,510	222	14,732	1.51	29,489	432	29,921	1.44
55-59	14,053	164	14,217	1.15	13,977	191	14,168	1.35	28,030	355	28,385	1.25
60-64	13,466	135	13,601	0.99	14,176	168	14,344	1.17	27,642	303	27,945	1.08
65-69	12,241	144	12,385	1.16	14,357	162	14,519	1.12	26,598	306	26,904	1.14
70-74	9,296	88	9,384	0.94	12,216	155	12,371	1.25	21,512	243	21,755	1.12
75+	12,891	168	13,059	1.29	24,864	374	25,238	1.48	37,755	542	38,297	1.42
Total	259,138	4,520	263,658	1.71	275,883	4,343	280,226	1.55	535,021	8,863	543,884	1.63

**Notes:**

<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)

<sup>2</sup> LS members, usually resident in England and Wales

<sup>3</sup> "Traced" means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

## Tracing rates at 1991 Census by sex, age and economic position

There was an association between the economic position of Longitudinal Study (LS) members and their likelihood of being traced in 1991. This was also influenced by their age and sex. Retired people of both sexes were most likely to be traced (1.00 per cent of males and 1.25 per cent of females not traced). Tracing rates were also high for people in employment (1.65 per cent of males and 1.29 per cent of females not traced).

Among economically active LS members, those in employment were more likely to be traced (1.49 per cent not traced) than those out of employment (3.52 per cent not traced). Females in employment (1.29 per cent not traced) were more likely to be traced than males (1.65 per cent not traced), while males out of employment (3.35 per cent not traced) were more likely to be traced than females (3.91 per cent not traced).

Tracing was least likely for people in the 'other inactive' group (14.79 per cent of males and 9.86 per cent of females not traced). Students of both sexes (4.18 per cent of males and 3.16 per cent of females not traced) and males looking after the home or family (4.07 per cent not traced) were also less likely to be traced.

Focusing on the age groups shown in Table T91.3, for both sexes and with all positions of economic activity combined, tracing was most likely for those over the age of retirement (1.24 per cent not traced) and least likely among 25- to 34-year-olds (2.53 per cent not traced).

This pattern of tracing by age applied to most economic positions. However, for people in employment, tracing was most likely for people aged 45 to retirement age (1.06 per cent of males and 0.95 per cent of females not traced), while permanently sick females were least likely to be traced at retirement age and above (3.28 per cent of females not traced).

**Table T91.3 1991 LS sample (aged 16+): not traced rates by sex, age and economic position**

Economic position and age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>Economically active</b>												
In employment												
16-24	21,439	446	21,885	2.04	19,613	329	19,942	1.65	41,052	775	41,827	1.85
25-34	33,864	787	34,651	2.27	25,287	443	25,730	1.72	59,151	1,230	60,381	2.04
35-44	32,695	485	33,180	1.46	26,222	266	26,488	1.00	58,917	751	59,668	1.26
45-retirement age	43,181	463	43,644	1.06	27,846	268	28,114	0.95	71,027	731	71,758	1.02
Retirement age+	2,634	62	2,696	2.30	4,693	51	4,744	1.08	7,327	113	7,440	1.52
Total	133,813	2,243	136,056	1.65	103,661	1,357	105,018	1.29	237,474	3,600	241,074	1.49
Out of employment												
16-24	4,624	130	4,754	2.73	2,734	92	2,826	3.26	7,358	222	7,580	2.93
25-34	4,208	217	4,425	4.90	1,944	96	2,040	4.71	6,152	313	6,465	4.84
35-44	2,964	111	3,075	3.61	1,205	44	1,249	3.52	4,169	155	4,324	3.58
45-retirement age	4,554	102	4,656	2.19	1,377	58	1,435	4.04	5,931	160	6,091	2.63
Retirement age+	44	8	52	15.38	71	8	79	10.13	115	16	131	12.21
Total	16,394	568	16,962	3.35	7,331	298	7,629	3.91	23,725	866	24,591	3.52
All economically active												
16-24	26,063	576	26,639	2.16	22,347	421	22,768	1.85	48,410	997	49,407	2.02
25-34	38,072	1,004	39,076	2.57	27,231	539	27,770	1.94	65,303	1,543	66,846	2.31
35-44	35,659	596	36,255	1.64	27,427	310	27,737	1.12	63,086	906	63,992	1.42
45-retirement age	47,735	565	48,300	1.17	29,223	326	29,549	1.10	76,958	891	77,849	1.14
Retirement age+	2,678	70	2,748	2.55	4,764	59	4,823	1.22	7,442	129	7,571	1.70
Total	150,207	2,811	153,018	1.84	110,992	1,655	112,647	1.47	261,199	4,466	265,665	1.68
<b>Economically inactive</b>												
Retired												
16-44	75	5	80	6.25	78	5	83	6.02	153	10	163	6.13
45-retirement age	4,289	50	4,339	1.15	1,654	38	1,692	2.25	5,943	88	6,031	1.46
Retirement age+	30,322	296	30,618	0.97	44,865	549	45,414	1.21	75,187	845	76,032	1.11
Total	34,686	351	35,037	1.00	46,597	592	47,189	1.25	81,283	943	82,226	1.15
Permanently sick												
16-24	310	9	319	2.82	334	7	341	2.05	644	16	660	2.42
25-34	796	18	814	2.21	696	13	709	1.83	1,492	31	1,523	2.04
35-44	1,173	30	1,203	2.49	1,112	19	1,131	1.68	2,285	49	2,334	2.10
45-retirement age	6,620	91	6,711	1.36	3,157	58	3,215	1.80	9,777	149	9,926	1.50
Retirement age+	1,168	25	1,193	2.10	1,946	66	2,012	3.28	3,114	91	3,205	2.84
Total	10,067	173	10,240	1.69	7,245	163	7,408	2.20	17,312	336	17,648	1.90
Student												
16-24	7,079	240	7,319	3.28	7,018	187	7,205	2.60	14,097	427	14,524	2.94
25-34	583	86	669	12.86	484	59	543	10.87	1,067	145	1,212	11.96
35+	203	17	220	7.73	310	9	319	2.82	513	26	539	4.82
Total	7,865	343	8,208	4.18	7,812	255	8,067	3.16	15,677	598	16,275	3.67
Looking after home												
16-24	61	5	66	7.58	4,127	89	4,216	2.11	4,188	94	4,282	2.20
25-34	237	17	254	6.69	12,385	304	12,689	2.40	12,622	321	12,943	2.48
35-44	260	13	273	4.76	9,077	216	9,293	2.32	9,337	229	9,566	2.39
45-retirement age	411	8	419	1.91	10,928	196	11,124	1.76	11,339	204	11,543	1.77
Retirement age+	208	7	215	3.26	13,845	178	14,023	1.27	14,053	185	14,238	1.30
Total	1,177	50	1,227	4.07	50,362	983	51,345	1.91	51,539	1,033	52,572	1.96
Other inactive												
16-34	283	51	334	15.27	166	30	196	15.31	449	81	530	15.28
35-44	54	17	71	23.94	46	5	51	9.80	100	22	122	18.03
45+	118	11	129	8.53	227	13	240	5.42	345	24	369	6.50
Total	455	79	534	14.79	439	48	487	9.86	894	127	1,021	12.44
All economically inactive												
16-24	7,618	270	7,888	3.42	11,587	299	11,886	2.52	19,205	569	19,774	2.88
25-34	1,752	158	1,910	8.27	13,659	394	14,053	2.80	15,411	552	15,963	3.46
35-44	1,694	75	1,769	4.24	10,507	249	10,756	2.31	12,201	324	12,525	2.59
45-retirement age	11,436	163	11,599	1.41	15,853	299	16,152	1.85	27,289	462	27,751	1.66
Retirement age+	31,750	330	32,080	1.03	60,849	800	61,649	1.30	92,599	1,130	93,729	1.21
Total	54,250	996	55,246	1.80	112,455	2,041	114,496	1.78	166,705	3,037	169,742	1.79
<b>All</b>												
16-24	33,681	846	34,527	2.45	33,934	720	34,654	2.08	67,615	1,566	69,181	2.26
25-34	39,824	1,162	40,986	2.84	40,890	933	41,823	2.23	80,714	2,095	82,809	2.53
35-44	37,353	671	38,024	1.76	37,934	559	38,493	1.45	75,287	1,230	76,517	1.61
45-retirement age	59,171	728	59,899	1.22	45,076	625	45,701	1.37	104,247	1,353	105,600	1.28
Retirement age+	34,428	400	34,828	1.15	65,613	859	66,472	1.29	100,041	1,259	101,300	1.24
Total	204,457	3,807	208,264	1.83	223,447	3,696	227,143	1.63	427,904	7,503	435,407	1.72

Notes

<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)

<sup>2</sup> LS members, usually resident in England and Wales

<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

<sup>4</sup> Retirement age is 60 for females and 65 for males

## **Tracing rates at 1991 Census by sex and socio-economic group**

In 1991, Longitudinal Study (LS) members in the armed forces were the least likely socio-economic group to be traced among both sexes (16.43 per cent of males and 25.65 per cent of females not traced). Tracing rates were also low for male personal-service workers (5.76 per cent not traced) although they were higher for females in the same group (1.66 per cent not traced).

For males, tracing was most likely for farmers and agricultural workers (0.78 per cent not traced), foremen and supervisors (0.80 per cent not traced) and skilled manual workers (0.99 per cent not traced).

Female foremen and supervisors (0.56 per cent not traced) were the most likely females to be traced. Tracing rates among females were also high for skilled manual workers (0.92 per cent not traced), junior non-manual workers (0.97 per cent not traced), and farmers and agricultural workers (1.03 per cent not traced).

Although males were typically less likely to be traced than females, in professional and managerial socio-economic groups males were more likely to be traced. Tracing failure among female professional workers with employees was 3.39 per cent compared with 1.81 per cent for males. Of self-employed professionals, 2.01 per cent of females were not traced, while males in the same group were more likely to be traced (1.16 per cent not traced).

## **Economically active**

Very similar patterns of tracing rates by socio-economic group were found among LS members who were economically active (Table T91.4b) as were found among active and inactive LS members combined.

In 1991, armed forces personnel were least likely to be traced among both sexes (16.93 per cent of males and 29.08 per cent of females not traced). Tracing rates were also low for male personal-service workers (6.36 per cent not traced) but higher for females in the same group (1.78 per cent not traced).

For economically active males, tracing was most likely for farmers and agricultural workers (0.82 per cent not traced), foremen and supervisors (0.86 per cent not traced), and skilled manual workers (1.00 per cent not traced).

Female foremen and supervisors (0.64 per cent not traced) were the most likely females to be traced. Tracing rates among females were also high for skilled manual workers (0.93 per cent not traced), junior non-manual workers (0.98 per cent not traced) and farmers and agricultural workers (0.99 per cent not traced).

Although economically active males were typically less likely to be traced than females, in professional and managerial socio-economic groups males were more likely to be traced. Tracing failure among female professional workers with employees was 3.00 per cent compared with 1.83 per cent for males. While 2.15 per cent of self-employed

professional females were not traced, males in this groups were more likely to be traced (1.20 per cent not traced).

**Table T91.4a 1991 LS sample (aged 16+) not traced rates by sex and socio-economic group**

Socio-economic group	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
Employers and managers in large establishments	8,998	107	9,105	1.18	3,392	52	3,444	1.51	12,390	159	12,549	1.27
Employers and managers in small establishments	21,263	309	21,572	1.43	9,878	155	10,033	1.54	31,141	464	31,605	1.47
Professional workers - self-employed	2,045	24	2,069	1.16	341	7	348	2.01	2,386	31	2,417	1.28
Professional workers - employees	8,646	159	8,805	1.81	1,965	69	2,034	3.39	10,611	228	10,839	2.10
Intermediate non-manual	15,608	239	15,847	1.51	23,334	263	23,597	1.11	38,942	502	39,444	1.27
Junior non-manual workers	16,016	199	16,215	1.23	52,509	512	53,021	0.97	68,525	711	69,236	1.03
Personal service workers	2,831	173	3,004	5.76	12,833	216	13,049	1.66	15,664	389	16,053	2.42
Foremen and supervisors - manual	5,461	44	5,505	0.80	1,057	6	1,063	0.56	6,518	50	6,568	0.76
Skilled manual workers	36,671	368	37,039	0.99	4,416	41	4,457	0.92	41,087	409	41,496	0.99
Semi-skilled manual workers	22,032	290	22,322	1.30	15,648	188	15,836	1.19	37,680	478	38,158	1.25
Unskilled manual workers	8,312	169	8,481	1.99	10,846	140	10,986	1.27	19,158	309	19,467	1.59
Own-account workers other than professional	14,686	205	14,891	1.38	3,750	52	3,802	1.37	18,436	257	18,693	1.37
Farmers and Agricultural workers	3,416	27	3,443	0.78	1,148	12	1,160	1.03	4,564	39	4,603	0.85
Members of armed forces	1,750	344	2,094	16.43	171	59	230	25.65	1,921	403	2,324	17.34
Inadequately-described occupations and	1,512	74	1,586	4.67	1,279	47	1,326	3.54	2,791	121	2,912	4.16
<b>Total</b>	<b>199,508</b>	<b>3,147</b>	<b>202,655</b>	<b>1.55</b>	<b>155,837</b>	<b>2,026</b>	<b>157,863</b>	<b>1.28</b>	<b>355,345</b>	<b>5,173</b>	<b>360,518</b>	<b>1.43</b>

**Notes**<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)<sup>2</sup> LS members, usually resident in England and Wales<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

**Table T91.4b 1991 LS sample (economically active, aged 16+) not traced rates by sex and socio-economic group**

Socio-economic group	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
Employers and managers in large establishments	8,173	101	8,274	1.22	3,095	49	3,144	1.56	11,268	150	11,418	1.31
Employers and managers in small establishments	18,711	290	19,001	1.53	8,123	132	8,255	1.60	26,834	422	27,256	1.55
Professional - self-employed	1,976	24	2,000	1.20	318	7	325	2.15	2,294	31	2,325	1.33
Professional - employees	7,519	140	7,659	1.83	1,679	52	1,731	3.00	9,198	192	9,390	2.04
Intermediate non-manual workers	13,435	220	13,655	1.61	18,648	206	18,854	1.09	32,083	426	32,509	1.31
Junior non-manual workers	13,371	166	13,537	1.23	39,533	391	39,924	0.98	52,904	557	53,461	1.04
Personal service workers	2,398	163	2,561	6.36	9,194	167	9,361	1.78	11,592	330	11,922	2.77
Foremen and supervisors - manual	4,270	37	4,307	0.86	777	5	782	0.64	5,047	42	5,089	0.83
Skilled manual workers	31,157	315	31,472	1.00	3,077	29	3,106	0.93	34,234	344	34,578	0.99
Semi-skilled manual workers	18,046	262	18,308	1.43	10,886	139	11,025	1.26	28,932	401	29,333	1.37
Unskilled manual workers	6,644	143	6,787	2.11	7,471	101	7,572	1.33	14,115	244	14,359	1.70
Own-account workers (not professional)	13,731	195	13,926	1.40	3,221	47	3,268	1.44	16,952	242	17,194	1.41
Farmers and Agricultural workers	3,023	25	3,048	0.82	904	9	913	0.99	3,927	34	3,961	0.86
Armed Forces	1,668	340	2,008	16.93	139	57	196	29.08	1,807	397	2,204	18.01
Inadequately described occupations and not stated	1,199	54	1,253	4.31	701	35	736	4.76	1,900	89	1,989	4.47
<b>Total</b>	<b>145,321</b>	<b>2,475</b>	<b>147,796</b>	<b>1.67</b>	<b>107,766</b>	<b>1,426</b>	<b>109,192</b>	<b>1.31</b>	<b>253,087</b>	<b>3,901</b>	<b>256,988</b>	<b>1.52</b>

**Notes**<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)<sup>2</sup> LS members, usually resident in England and Wales<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

## **Tracing rates at 1991 Census by sex and social class**

### **All LS members (aged 16 and over economically active and inactive)**

In 1991, tracing rates were higher for Longitudinal Study (LS) members in non-manual social classes (1.27 per cent not traced) than for those in manual classes (1.32 per cent not traced).

Tracing rates were highest in the skilled manual and skilled non-manual classes. For males, tracing was most likely for the skilled manual class (1.17 per cent not traced), followed by the skilled non-manual (1.26 per cent not traced). For females, tracing was most likely for the skilled non-manual class (0.97 per cent not traced) followed by the skilled manual (1.22 per cent not traced).

There were differences between the sexes in tracing rates for the various social classes. Although males were typically less likely to be traced than females, within the professional class males were more likely to be traced (1.79 per cent of males not traced, compared with 3.30 per cent of females). Tracing was also more likely for males in the skilled manual class (1.17 per cent not traced) than for females (1.22 per cent not traced).

Tracing failure was highest among people in the armed forces (16.43 per cent of males and 25.65 per cent of females not traced). [Do armed forces personnel count as a social class?]

### **Economically active**

Very similar patterns of tracing rates were found among the social classes of LS members who were economically active as were found among the social classes of economically active and inactive LS members combined.

Table T91.5b shows that in general, tracing was more likely for people in non-manual social classes (1.31 per cent not traced) than for those in manual classes (1.40 per cent not traced) in 1991.

Tracing rates were highest for economically active people in skilled manual and skilled non-manual social classes. For males, tracing was most likely for the skilled manual class (1.20 per cent not traced), followed by the skilled non-manual (1.27 per cent not traced). For females, tracing was most likely for the skilled non-manual class (0.99 per cent not traced) followed by the skilled manual class (1.26 per cent not traced).

There were some differences between the sexes in tracing rates for the various social classes. Although economically active males were typically less likely to be traced than females, within the professional class males were more likely to be traced (1.81 per cent of males not traced, compared with 3.00 per cent of females). Tracing was also more likely for males in the skilled manual class (1.20 per cent not traced) than for females (1.26 per cent not traced).

Tracing failure was highest among people in the armed forces (16.93 per cent of males and 29.08 per cent of females not traced).

**Table T91.5a 1991 LS sample (aged 16+) not traced rates by sex and social class**

Social class	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>Non-manual</b>												
I Professional	10,738	196	10,934	1.79	2,316	79	2,395	3.30	13,054	275	13,329	2.06
II Intermediate	45,473	641	46,114	1.39	35,783	466	36,249	1.29	81,256	1,107	82,363	1.34
IIIN Skilled Non-manual	18,996	242	19,238	1.26	55,153	542	55,695	0.97	74,149	784	74,933	1.05
Total non-manual	75,207	1,079	76,286	1.41	93,252	1,087	94,339	1.15	168,459	2,166	170,625	1.27
<b>Manual</b>												
IIIM Skilled Manual	54,167	642	54,809	1.17	10,692	132	10,824	1.22	64,859	774	65,633	1.18
IV Partly-Skilled	27,345	410	27,755	1.48	26,200	349	26,549	1.31	53,545	759	54,304	1.40
V Unskilled	9,266	182	9,448	1.93	10,973	145	11,118	1.30	20,239	327	20,566	1.59
Total manual	90,778	1,234	92,012	1.34	47,865	626	48,491	1.29	138,643	1,860	140,503	1.32
Armed Forces	1,750	344	2,094	16.43	171	59	230	25.65	1,921	403	2,324	17.34
Inadequately described	1,512	74	1,586	4.67	1,279	47	1,326	3.54	2,791	121	2,912	4.16
<b>Total</b>	<b>169,247</b>	<b>2,731</b>	<b>171,978</b>	<b>1.59</b>	<b>142,567</b>	<b>1,819</b>	<b>144,386</b>	<b>1.26</b>	<b>311,814</b>	<b>4,550</b>	<b>316,364</b>	<b>1.44</b>

**Notes**<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)<sup>2</sup> LS members, usually resident in England and Wales<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

**Table T91.5b 1991 LS sample (economically, active aged 16+) not traced rates by sex and social class**

Social class	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>Non-manual</b>												
I Professional	9,532	176	9,708	1.81	2,005	62	2,067	3.00	11,537	238	11,775	2.02
II Intermediate	39,784	596	40,380	1.48	29,160	379	29,539	1.28	68,944	975	69,919	1.39
IIIN Skilled Non-manual	16,066	207	16,273	1.27	41,889	420	42,309	0.99	57,955	627	58,582	1.07
Total non-manual	65,382	979	66,361	1.48	73,054	861	73,915	1.16	138,436	1,840	140,276	1.31
<b>Manual</b>												
IIIM Skilled Manual	46,804	569	47,373	1.20	7,776	99	7,875	1.26	54,580	668	55,248	1.21
IV Partly-Skilled	22,701	377	23,078	1.63	18,508	268	18,776	1.43	41,209	645	41,854	1.54
V Unskilled	7,567	156	7,723	2.02	7,588	106	7,694	1.38	15,155	262	15,417	1.70
Total Manual	77,072	1,102	78,174	1.41	33,872	473	34,345	1.38	110,944	1,575	112,519	1.40
Armed Forces	1,668	340	2,008	16.93	139	57	196	29.08	1,807	397	2,204	18.01
Inadequately described	1,199	54	1,253	4.31	701	35	736	4.76	1,900	89	1,989	4.47
Total	145,321	2,475	147,796	1.67	107,766	1,426	109,192	1.31	253,087	3,901	256,988	1.52

**Notes**<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)<sup>2</sup> LS members, usually resident in England and Wales<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

## Tracing rates at 1991 Census by sex, age and country of birth

In 1991, tracing was most successful among Longitudinal Study (LS) members born in England and Wales (0.81 per cent of males and 0.79 per cent of females not traced). Tracing failure for people born outside England and Wales averaged at around 10 per cent.

In particular, tracing rates were lowest for people born in the USA (44 per cent of males and a third of females not traced). Low tracing rates were also found among people born in West Africa (20.58 per cent of males and 16.14 per cent of females not traced) and the countries of the 'Old Commonwealth' (15.12 per cent of males and 9.27 per cent of females not traced), as well as among those in the 'elsewhere and not stated' category (around 17 per cent not traced). Among people born outside the UK, tracing rates were relatively high for those born in East Africa (5.07 per cent not traced), the Irish Republic (6.61 per cent not traced), the 'Caribbean Commonwealth' countries (6.64 per cent not traced) and India (6.68 per cent not traced).

Males were typically less likely to be traced than females. However, among people born in India, Pakistan and Bangladesh, the 'East African Commonwealth', and the 'Mediterranean Commonwealth', males were more likely to be traced.

Focusing on the groups in Table T91.6b, tracing rates for all countries of birth taken together were lowest among 25- to 34-year-olds (2.53 per cent not traced). Among males, tracing was highest for those aged 60 and over (1.10 per cent not traced) while, for females, the highest tracing rates were found among 0- to 14-year-olds (1.21 per cent not traced).

However, among people born in the countries of the 'New Commonwealth', tracing was least likely for people under 25 (around 10 per cent not traced) and most likely for 35- to 44-year-olds. This distinctive pattern of tracing rates by age was most pronounced for people born in the 'African Commonwealth' among whom 17.51 per cent of 0- to 14-year-olds were not traced.

**Table T91.6a 1991 LS sample not traced rates by sex and country of birth**

Country of birth	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
United Kingdom	238,620	2,139	240,759	0.89	253,987	2,108	256,095	0.79	492,607	4,247	496,854	0.85
England and Wales	233,576	1,910	235,486	0.81	248,990	1,985	250,975	0.79	482,566	3,895	486,461	0.80
Scotland	3,918	148	4,066	3.64	3,888	94	3,982	2.36	7,806	242	8,048	3.01
Northern Ireland	1,126	81	1,207	6.71	1,109	29	1,138	2.55	2,235	110	2,345	4.69
Outside UK	20,518	2,381	22,899	10.40	21,896	2,235	24,131	9.26	42,414	4,616	47,030	9.82
Irish Republic	2,705	228	2,933	7.77	3,255	194	3,449	5.62	5,960	422	6,382	6.61
Old Commonwealth	696	124	820	15.12	852	87	939	9.27	1,548	211	1,759	12.00
New Commonwealth	11,252	848	12,100	7.01	10,832	934	11,766	7.94	22,084	1,782	23,866	7.47
India	3,226	203	3,429	5.92	3,230	259	3,489	7.42	6,456	462	6,918	6.68
Pakistan	2,032	135	2,167	6.23	1,630	166	1,796	9.24	3,662	301	3,963	7.60
Bangladesh	908	73	981	7.44	900	88	988	8.91	1,808	161	1,969	8.18
Africa	1,836	182	2,018	9.02	1,762	161	1,923	8.37	3,598	343	3,941	8.70
East Africa	1,312	65	1,377	4.72	1,214	70	1,284	5.45	2,526	135	2,661	5.07
West Africa	409	106	515	20.58	421	81	502	16.14	830	187	1,017	18.39
South Africa	115	11	126	8.73	127	10	137	7.30	242	21	263	7.98
Caribbean	1,329	104	1,433	7.26	1,499	97	1,596	6.08	2,828	201	3,029	6.64
Mediterranean	758	48	806	5.96	700	68	768	8.85	1,458	116	1,574	7.37
Remainder	1,163	103	1,266	8.14	1,111	95	1,206	7.88	2,274	198	2,472	8.01
Europe, excluding USSR	2,911	315	3,226	9.76	3,905	281	4,186	6.71	6,816	596	7,412	8.04
USA	409	327	736	44.43	466	233	699	33.33	875	560	1,435	39.02
Elsewhere and not stated	2,545	539	3,084	17.48	2,586	506	3,092	16.36	5,131	1,045	6,176	16.92
<b>Total</b>	<b>259,138</b>	<b>4,520</b>	<b>263,658</b>	<b>1.71</b>	<b>275,883</b>	<b>4,343</b>	<b>280,226</b>	<b>1.55</b>	<b>535,021</b>	<b>8,863</b>	<b>543,884</b>	<b>1.63</b>

Notes:

<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)

<sup>2</sup> LS members, usually resident in England and Wales

<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

<sup>4</sup> England and Wales includes 'Other UK'

<sup>5</sup> Irish Republic includes Ireland (part not stated)

**Table T91.6b 1991 LS sample not traced rates by sex, age and country of birth**

Country of birth and age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>United Kingdom</b>												
0-14	50,146	451	50,597	0.89	48,027	389	48,416	0.80	98,173	840	99,013	0.85
15-24	34,701	413	35,114	1.18	34,693	310	35,003	0.89	69,394	723	70,117	1.03
25-34	35,954	420	36,374	1.15	36,490	348	36,838	0.94	72,444	768	73,212	1.05
35-44	33,313	285	33,598	0.85	33,342	225	33,567	0.67	66,655	510	67,165	0.76
45-59	40,637	261	40,898	0.64	40,291	262	40,553	0.65	80,928	523	81,451	0.64
60+	43,869	309	44,178	0.70	61,144	574	61,718	0.93	105,013	883	105,896	0.83
Total	238,620	2,139	240,759	0.89	253,987	2,108	256,095	0.82	492,607	4,247	496,854	0.85
<b>Irish Republic</b>												
0-24	206	66	272	24.26	303	46	349	13.18	509	112	621	18.04
25-34	295	53	348	15.23	326	29	355	8.17	621	82	703	11.66
35-44	392	20	412	4.85	483	18	501	3.59	875	38	913	4.16
45-59	932	38	970	3.92	966	48	1,014	4.73	1,898	86	1,984	4.33
60+	880	51	931	5.48	1,177	53	1,230	4.31	2,057	104	2,161	4.81
Total	2,705	228	2,933	7.77	3,255	194	3,449	5.62	5,960	422	6,382	6.61
<b>Old Commonwealth</b>												
0-14	101	5	106	4.72	94	10	104	9.62	195	15	210	7.14
15-24	134	43	177	24.29	159	29	188	15.43	293	72	365	19.73
25-34	154	61	215	28.37	196	38	234	16.24	350	99	449	22.05
35-44	87	11	98	11.22	132	4	136	2.94	219	15	234	6.41
45+	220	4	224	1.79	271	6	277	2.17	491	10	501	2.00
Total	696	124	820	15.12	852	87	939	9.27	1,548	211	1,759	12.00
<b>New Commonwealth</b>												
0-14	523	52	575	9.04	517	60	577	10.40	1,040	112	1,152	9.72
15-24	1,156	125	1,281	9.76	1,189	141	1,330	10.60	2,345	266	2,611	10.19
25-34	2,410	234	2,644	8.85	2,750	222	2,972	7.47	5,160	456	5,616	8.12
35-44	2,622	171	2,793	6.12	2,720	180	2,900	6.21	5,342	351	5,693	6.17
45-59	3,084	169	3,253	5.20	2,440	201	2,641	7.61	5,524	370	5,894	6.28
60+	1,457	97	1,554	6.24	1,216	130	1,346	9.66	2,673	227	2,900	7.83
Total	11,252	848	12,100	7.01	10,832	934	11,766	7.94	22,084	1,782	23,866	7.47
<b>India</b>												
0-24	171	9	180	5.00	212	30	242	12.40	383	39	422	9.24
25-34	603	46	649	7.09	781	51	832	6.13	1,384	97	1,481	6.55
35-44	795	59	854	6.91	895	57	952	5.99	1,690	116	1,806	6.42
45-59	1,113	53	1,166	4.55	855	77	932	8.26	1,968	130	2,098	6.20
60+	544	36	580	6.21	487	44	531	8.29	1,031	80	1,111	7.20
Total	3,226	203	3,429	5.92	3,230	259	3,489	7.42	6,456	462	6,918	6.68

**Table T91.6b 1991 LS sample not traced rates by sex, age and country of birth**

Country of birth and age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>Pakistan</b>												
0-14	130	7	137	5.11	106	11	117	9.40	236	18	254	7.09
15-24	282	25	307	8.14	240	19	259	7.34	522	44	566	7.77
25-34	473	39	512	7.62	493	55	548	10.04	966	94	1,060	8.87
35-44	561	26	587	4.43	406	39	445	8.76	967	65	1,032	6.30
45-59	425	29	454	6.39	310	30	340	8.82	735	59	794	7.43
60+	161	9	170	5.29	75	12	87	13.79	236	21	257	8.17
Total	2,032	135	2,167	6.23	1,630	166	1,796	9.24	3,662	301	3,963	7.60
<b>Africa</b>												
0-14	73	16	89	17.98	106	22	128	17.19	179	38	217	17.51
15-24	221	34	255	13.33	233	33	266	12.41	454	67	521	12.86
25-34	561	74	635	11.65	608	56	664	8.43	1,169	130	1,299	10.01
35-44	538	40	578	6.92	496	23	519	4.43	1,034	63	1,097	5.74
45-59	363	15	378	3.97	253	17	270	6.30	616	32	648	4.94
60+	80	3	83	3.61	66	10	76	13.16	146	13	159	8.18
Total	1,836	182	2,018	9.02	1,762	161	1,923	8.37	3,598	343	3,941	8.70
<b>Caribbean</b>												
0-24	54	6	60	10.00	52	8	60	13.33	106	14	120	11.67
25-34	147	19	166	11.45	211	18	229	7.86	358	37	395	9.37
35-44	227	14	241	5.81	323	14	337	4.15	550	28	578	4.84
45-59	528	39	567	6.88	583	33	616	5.36	1,111	72	1,183	6.09
60+	373	26	399	6.52	330	24	354	6.78	703	50	753	6.64
Total	1,329	104	1,433	7.26	1,499	97	1,596	6.08	2,828	201	3,029	6.64
<b>Mediterranean</b>												
0-24	105	5	110	4.55	103	9	112	8.04	208	14	222	6.31
25-34	141	5	146	3.42	154	5	159	3.14	295	10	305	3.28
35-44	142	12	154	7.79	114	8	122	6.56	256	20	276	7.25
45-59	234	13	247	5.26	179	16	195	8.21	413	29	442	6.56
60+	136	13	149	8.72	150	30	180	16.67	286	43	329	13.07
Total	758	48	806	5.96	700	68	768	8.85	1,458	116	1,574	7.37
<b>Remainder</b>												
0-14	228	22	250	8.80	220	24	244	9.84	448	46	494	9.31
15-24	415	53	468	11.32	434	45	479	9.39	849	98	947	10.35
25-34	485	51	536	9.51	503	37	540	6.85	988	88	1,076	8.18
35-44	359	20	379	5.28	486	39	525	7.43	845	59	904	6.53
45-59	421	20	441	4.54	260	28	288	9.72	681	48	729	6.58
60+	163	10	173	5.78	108	10	118	8.47	271	20	291	6.87
Total	2,071	176	2,247	7.83	2,011	183	2,194	8.34	4,082	359	4,441	8.08

**Table T91.6b 1991 LS sample not traced rates by sex, age and country of birth**

Country of birth and age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>Europe, excluding USSR</b>												
0-14	335	26	361	7.20	313	21	334	6.29	648	47	695	6.76
15-24	307	78	385	20.26	355	86	441	19.50	662	164	826	19.85
25-34	397	103	500	20.60	495	64	559	11.45	892	167	1,059	15.77
35-44	405	41	446	9.19	595	21	616	3.41	1,000	62	1,062	5.84
45-59	480	34	514	6.61	835	42	877	4.79	1,315	76	1,391	5.46
60+	987	33	1,020	3.24	1,312	47	1,359	3.46	2,299	80	2,379	3.36
Total	2,911	315	3,226	9.76	3,905	281	4,186	6.71	6,816	596	7,412	8.04
<b>USA</b>												
0-14	98	58	156	37.18	74	54	128	42.19	172	112	284	39.44
15-24	58	61	119	51.26	62	54	116	46.55	120	115	235	48.94
25-34	79	113	192	58.85	99	73	172	42.44	178	186	364	51.10
35-44	60	63	123	51.22	112	37	149	24.83	172	100	272	36.76
45+	114	32	146	21.92	119	15	134	11.19	233	47	280	16.79
Total	409	327	736	44.43	466	233	699	33.33	875	560	1,435	39.02
<b>Elsewhere and not stated</b>												
0-14	288	71	359	19.78	288	70	358	19.55	576	141	717	19.67
15-24	309	110	419	26.25	296	97	393	24.68	605	207	812	25.49
25-34	535	178	713	24.96	534	159	693	22.94	1,069	337	1,406	23.97
35-44	474	80	554	14.44	550	74	624	11.86	1,024	154	1,178	13.07
45-59	436	64	500	12.80	409	55	464	11.85	845	119	964	12.34
60+	503	36	539	6.68	509	51	560	9.11	1,012	87	1,099	7.92
Total	2,545	539	3,084	17.48	2,586	506	3,092	16.36	5,131	1,045	6,176	16.92
<b>All countries</b>												
0-14	51,577	672	52,249	1.29	49,408	606	50,014	1.21	100,985	1,278	102,263	1.25
15-24	36,785	887	37,672	2.35	36,962	761	37,723	2.02	73,747	1,648	75,395	2.19
25-34	39,824	1,162	40,986	2.84	40,890	933	41,823	2.23	80,714	2,095	82,809	2.53
35-44	37,353	671	38,024	1.76	37,934	559	38,493	1.45	75,287	1,230	76,517	1.61
45-59	45,705	593	46,298	1.28	45,076	625	45,701	1.37	90,781	1,218	91,999	1.32
60+	47,894	535	48,429	1.10	65,613	859	66,472	1.29	113,507	1,394	114,901	1.21
Total	259,138	4,520	263,658	1.71	275,883	4,343	280,226	1.55	535,021	8,863	543,884	1.63

**Notes**

<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)

<sup>2</sup> LS members, usually resident in England and Wales

<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

<sup>4</sup> Irish Republic Includes Ireland (part not stated)

<sup>5</sup> Remainder of New Commonwealth includes Bangladesh

## Tracing rates at 1991 Census by sex, age and ethnic group

A question on ethnic group was included in the 1991 Census for the first time and 7 per cent of Longitudinal Study (LS) members described themselves as a member of an ethnic minority.

Overall, tracing rates were lower for members of ethnic minority groups than for White LS members (1.25 per cent of males and 1.09 per cent of females were not traced).

Among ethnic minorities, Black Africans were least likely to be traced (23.42 per cent of males and 19.12 per cent of females were not traced).

Tracing rates were also low for Chinese LS members (9.89 per cent of males and 11.88 per cent of females not traced) and 'Other Asian' people (13.46 per cent not traced). Among all males from an ethnic minority group, tracing was most likely among Indians (4.88 per cent not traced). For females, Black Caribbeans were most likely to be traced (4.68 per cent not traced).

Although females were more likely to be traced than males overall, among Asian ethnic groups (and 'Other groups – other') males were more likely to be traced than females. Similarly, tracing rates by country of birth were also higher for males born in India, Pakistan and Bangladesh than for females.

Focusing on the age groups shown in Table T91.7, tracing rates for all ethnic groups taken together were lowest for both males and females aged 25 to 34 (2.84 per cent of males and 2.23 per cent of females not traced). Tracing rates were highest for males over 60 (1.10 per cent not traced) and females aged 0 to 14 years (1.21 per cent not traced). However, there was a distinctive difference from this pattern for Indian people whose lowest not-traced rate was for those over 60 (8.55 per cent of males and 12.31 per cent of females not traced). Chinese males were also least likely to be traced at ages 60 and over (13.7 per cent not traced) while for Chinese females, 45- to 59-year-olds were least likely to be traced (19.15 per cent not traced).

Among White people, tracing tended to increase with age for those aged 25 to 60. However, patterns of age variation within most ethnic groups were less clear. In part, this is because not-traced rates for some groups are based on small numbers of LS members.

**Table T91.7 1991 LS-Census sample not traced rates by sex, age and ethnic group**

Ethnic group and age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>White</b>												
0-14	46,749	409	47,158	0.87	44,726	348	45,074	0.77	91,475	757	92,232	0.82
15-24	34,001	622	34,623	1.80	34,056	493	34,549	1.43	68,057	1,115	69,172	1.61
25-34	36,686	752	37,438	2.01	37,196	536	37,732	1.42	73,882	1,288	75,170	1.71
35-44	34,689	459	35,148	1.31	35,053	330	35,383	0.93	69,742	789	70,531	1.12
45-59	42,719	393	43,112	0.91	42,714	399	43,113	0.93	85,433	792	86,225	0.92
60+	46,620	428	47,048	0.91	64,649	736	65,385	1.13	111,269	1,164	112,433	1.04
Total	241,464	3,063	244,527	1.25	258,394	2,842	261,236	1.09	499,858	5,905	505,763	1.17
<b>Black Caribbean</b>												
0-14	507	17	524	3.24	512	17	529	3.21	1,019	34	1,053	3.23
15-24	373	15	388	3.87	409	16	425	3.76	782	31	813	3.81
25-34	495	34	529	6.43	644	38	682	5.57	1,139	72	1,211	5.95
35-44	224	15	239	6.28	318	13	331	3.93	542	28	570	4.91
45-59	500	36	536	6.72	572	29	601	4.83	1,072	65	1,137	5.72
60+	352	23	375	6.13	314	23	337	6.82	666	46	712	6.46
Total	2,451	140	2,591	5.40	2,769	136	2,905	4.68	5,220	276	5,496	5.02
<b>Black African</b>												
0-14	262	47	309	15.21	242	53	295	17.97	504	100	604	16.56
15-24	153	58	211	27.49	189	61	250	24.40	342	119	461	25.81
25-34	229	127	356	35.67	284	81	365	22.19	513	208	721	28.85
35-44	160	47	207	22.71	168	20	188	10.64	328	67	395	16.96
45-59	151	17	168	10.12	96	14	110	12.73	247	31	278	11.15
60+	39	8	47	17.02	28	9	37	24.32	67	17	84	20.24
Total	994	304	1,298	23.42	1,007	238	1,245	19.12	2,001	542	2,543	21.31
<b>Black Other</b>												
0-14	444	13	457	2.84	399	19	418	4.55	843	32	875	3.66
15-24	169	7	176	3.98	205	5	210	2.38	374	12	386	3.11
25-34	136	16	152	10.53	179	13	192	6.77	315	29	344	8.43
35-44	35	4	39	10.26	54	6	60	10.00	89	10	99	10.10
45+	48	8	56	14.29	54	8	62	12.90	102	16	118	13.56
Total	832	48	880	5.45	891	51	942	5.41	1,723	99	1,822	5.43
<b>Indian</b>												
0-14	1,329	43	1,372	3.13	1,210	23	1,233	1.87	2,539	66	2,605	2.53
15-24	720	35	755	4.64	738	51	789	6.46	1,458	86	1,544	5.57
25-34	1,005	58	1,063	5.46	1,208	65	1,273	5.11	2,213	123	2,336	5.27
35-44	1,067	60	1,127	5.32	1,120	64	1,184	5.41	2,187	124	2,311	5.37
45-59	1,140	56	1,196	4.68	873	78	951	8.20	2,013	134	2,147	6.24
60+	428	40	468	8.55	342	48	390	12.31	770	88	858	10.26
Total	5,689	292	5,981	4.88	5,491	329	5,820	5.65	11,180	621	11,801	5.26
<b>Pakistani</b>												
0-14	969	58	1,027	5.65	973	62	1,035	5.99	1,942	120	2,062	5.82
15-24	541	42	583	7.20	520	33	553	5.97	1,061	75	1,136	6.60
25-34	491	41	532	7.71	532	60	592	10.14	1,023	101	1,124	8.99
35-44	562	32	594	5.39	428	37	465	7.96	990	69	1,059	6.52
45-59	504	30	534	5.62	338	33	371	8.89	842	63	905	6.96
60+	172	7	179	3.91	74	14	88	15.91	246	21	267	7.87
Total	3,239	210	3,449	6.09	2,865	239	3,104	7.70	6,104	449	6,553	6.85

**Table T91.7 1991 LS-Census sample not traced rates by sex, age and ethnic group**

Ethnic group and age	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
<b>Bangladeshi</b>												
0-14	375	33	408	8.09	396	25	421	5.94	771	58	829	7.00
15-24	265	26	291	8.93	285	25	310	8.06	550	51	601	8.49
25-34	164	17	181	9.39	183	14	197	7.11	347	31	378	8.20
35-44	81	4	85	4.71	200	20	220	9.09	281	24	305	7.87
45+	294	10	304	3.29	142	16	158	10.13	436	26	462	5.63
Total	1,179	90	1,269	7.09	1,206	100	1,306	7.66	2,385	190	2,575	7.38
<b>Chinese</b>												
0-14	163	3	166	1.81	171	11	182	6.04	334	14	348	4.02
15-24	149	22	171	12.87	147	23	170	13.53	296	45	341	13.20
25-34	197	30	227	13.22	162	26	188	13.83	359	56	415	13.49
35-44	145	13	158	8.23	167	15	182	8.24	312	28	340	8.24
45-59	139	16	155	10.32	76	18	94	19.15	215	34	249	13.65
60+	63	10	73	13.70	63	13	76	17.11	126	23	149	15.44
Total	856	94	950	9.89	786	106	892	11.88	1,642	200	1,842	10.86
<b>Other groups - Asian</b>												
0-14	240	22	262	8.40	205	21	226	9.29	445	43	488	8.81
15-24	165	30	195	15.38	154	34	188	18.09	319	64	383	16.71
25-34	173	47	220	21.36	248	63	311	20.26	421	110	531	20.72
35-44	205	27	232	11.64	267	27	294	9.18	472	54	526	10.27
45-59	163	20	183	10.93	140	21	161	13.04	303	41	344	11.92
60+	58	4	62	6.45	53	6	59	10.17	111	10	121	8.26
Total	1,004	150	1,154	13.00	1,067	172	1,239	13.88	2,071	322	2,393	13.46
<b>Other groups - Other</b>												
0-14	539	27	566	4.77	574	27	601	4.49	1,113	54	1,167	4.63
15-24	249	30	279	10.75	259	20	279	7.17	508	50	558	8.96
25-34	248	40	288	13.89	254	37	291	12.71	502	77	579	13.30
35-44	185	10	195	5.13	159	27	186	14.52	344	37	381	9.71
45-59	139	13	152	8.55	107	13	120	10.83	246	26	272	9.56
60+	70	9	79	11.39	54	6	60	10.00	124	15	139	10.79
Total	1,430	129	1,559	8.27	1,407	130	1,537	8.46	2,837	259	3,096	8.37
<b>All ethnic groups</b>												
0-14	51,577	672	52,249	1.29	49,408	606	50,014	1.21	100,985	1,278	102,263	1.25
15-24	36,785	887	37,672	2.35	36,962	761	37,723	2.02	73,747	1,648	75,395	2.19
25-34	39,824	1,162	40,986	2.84	40,890	933	41,823	2.23	80,714	2,095	82,809	2.53
35-44	37,353	671	38,024	1.76	37,934	559	38,493	1.45	75,287	1,230	76,517	1.61
45-59	45,705	593	46,298	1.28	45,076	625	45,701	1.37	90,781	1,218	91,999	1.32
60+	47,894	535	48,429	1.10	65,613	859	66,472	1.29	113,507	1,394	114,901	1.21
Total	259,138	4,520	263,658	1.71	275,883	4,343	280,226	1.55	535,021	8,863	543,884	1.63

Notes

<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)

<sup>2</sup> LS members, usually resident in England and Wales

<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

## **Tracing rates at 1991 Census by sex and region of usual residence**

People living in Greater London in 1991 were less likely to be traced (5.28 per cent of males and 4.68 per cent of females not traced) than people living elsewhere. Tracing was also low in East Anglia, with 2.27 per cent of people not traced.

People living in the North of England were most likely to be traced (0.78 per cent of males and 0.72 per cent of females not traced). People from Yorkshire and Humberside, the East Midlands and the North West were also likely to be traced, with not traced rates of less than one per cent.

Overall, tracing of females was higher than of males (1.55 per cent of females not traced compared with 1.71 per cent of males). Only in the North West were males more likely to be traced than females (0.91 per cent of males and 0.97 per cent of females not traced).

**Table T91.8 1991 LS sample not traced rates by sex and region of usual residence**

Region of usual residence	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
North	15,848	124	15,972	0.78	16,800	121	16,921	0.72	32,648	245	32,893	0.74
North West	32,333	296	32,629	0.91	34,740	341	35,081	0.97	67,073	637	67,710	0.94
Yorkshire and Humberside	25,504	240	25,744	0.93	26,965	240	27,205	0.88	52,469	480	52,949	0.91
East Midlands	20,787	207	20,994	0.99	21,847	196	22,043	0.89	42,634	403	43,037	0.94
West Midlands	27,402	340	27,742	1.23	28,701	296	28,997	1.02	56,103	636	56,739	1.12
East Anglia	10,288	264	10,552	2.50	10,964	230	11,194	2.05	21,252	494	21,746	2.27
South East	88,423	2,631	91,054	2.89	94,453	2,522	96,975	2.60	182,876	5,153	188,029	2.74
Greater London	33,532	1,871	35,403	5.28	36,405	1,786	38,191	4.68	69,937	3,657	73,594	4.97
Remainder of South East	54,891	760	55,651	1.37	58,048	736	58,784	1.25	112,939	1,496	114,435	1.31
South West	23,861	255	24,116	1.06	25,782	251	26,033	0.96	49,643	506	50,149	1.01
Wales	14,679	163	14,842	1.10	15,612	146	15,758	0.93	30,291	309	30,600	1.01
Total	259,125	4,520	263,645	1.71	275,864	4,343	280,207	1.55	534,989	8,863	543,852	1.63

**Notes**

<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)

<sup>2</sup> LS members, usually resident in England and Wales

<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link

<sup>4</sup> This table does not include 32 cases for whom region of residence is unknown

## **Tracing rates at 1991 Census by sex and type of establishment**

In 1991, tracing was more successful among people living in private households (1.55 per cent not traced) than among those living in communal establishments (4.56 per cent not traced).

Among the different types of communal establishment, there were differences between the sexes in the likelihood of tracing. For males, tracing was most likely for people in nursing homes (2.24 per cent not traced). Whereas, of all females, those in educational establishments had the highest tracing rates (2.52 per cent not traced).

The lowest tracing rates were found for residents of defence establishment (12.57 per cent of males and 11.76 per cent of females not traced), people in psychiatric hospitals (9.04 per cent of males and 8.44 per cent of females not traced) and those in hotels (6.89 per cent of males and 6.36 per cent of females not traced).

Females (1.55 per cent not traced) were more likely to be traced than males (1.71 per cent not traced) overall. However, among residents of nursing homes, males were more likely to be traced.

**Table T91.9 1991 LS sample not traced rates by sex and type of establishment**

Establishment type	Males				Females				Total			
	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)	Traced cases	Untraced cases	Selected sample	Not traced rate (%)
Private households	253,427	4,170	257,597	1.62	268,901	4,066	272,967	1.49	522,328	8,236	530,564	1.55
Communal establishments	4,548	265	4,813	5.51	5,719	226	5,945	3.80	10,267	491	10,758	4.56
Hotels	1,122	83	1,205	6.89	854	58	912	6.36	1,976	141	2,117	6.66
Psychiatric hospitals	161	16	177	9.04	206	19	225	8.44	367	35	402	8.71
Other hospitals	785	37	822	4.50	1,262	45	1,307	3.44	2,047	82	2,129	3.85
Nursing homes	349	8	357	2.24	1,050	35	1,085	3.23	1,399	43	1,442	2.98
Residential homes	528	20	548	3.65	1,382	36	1,418	2.54	1,910	56	1,966	2.85
Educational establishments	1,137	34	1,171	2.90	890	23	913	2.52	2,027	57	2,084	2.74
Defence establishments	466	67	533	12.57	75	10	85	11.76	541	77	618	12.46
Other establishments	1,163	85	1,248	6.81	1,263	51	1,314	3.88	2,426	136	2,562	5.31
<b>Total</b>	<b>259,138</b>	<b>4,520</b>	<b>263,658</b>	<b>1.71</b>	<b>275,883</b>	<b>4,343</b>	<b>280,226</b>	<b>1.55</b>	<b>535,021</b>	<b>8,863</b>	<b>543,884</b>	<b>1.63</b>

**Notes**<sup>1</sup> Source: Office for National Statistics Longitudinal Study (LS)<sup>2</sup> LS members, usually resident in England and Wales<sup>3</sup> 'Traced' means the LS members' records were found on the National Health Service Central Register before or at the 1991 Census-LS Link