

Appendix A

Table A1. Definition of ethnic groups

Region of birth of mother	Region of birth of father					Total
	UK/Europe	South Asia	Afro Caribbean	Others	Missing	
UK/Europe	15670	61	57	91	359	16238
South Asia	40	366	1	9	4	420
Afro Caribbean	13	1	288	6	5	313
Others	63	19	4	100	2	188
Missing	17	0	0	0	1897	1914
Total	15803	447	350	206	2267	19073

Data Source: 1970 BCS Age 0 survey. Notes: “UK/Europe” (Northern England, Yorks and Humberside, North West England, East Midlands, West Midlands, East Anglia, South West England, Wales inc Monmouth, South East England, Scotland, Northern Ireland, England unspecified, Eire, Europe); “South Asia” (Indian Subcontinent); “Afro Caribbean” (West Indies); “Others” (Africa, Middle East, Far East, Others) and “Missing” (Not stated, Not known, Missing).

Table A2. Standardised EPVT at age 5 by ethnic groups

Parental region of birth	Standardised EPVT			
	Mean	Std. Dev.	N	%
Both parents UK or Europe	0.0399	0.9796	10144	94.51
Both parents South Asia	-1.5018	1.0759	92	0.86
Both parents Afro Caribbean	-0.8006	0.7921	126	1.17
Other ethnic groups and other combinations	-0.1654	1.0518	371	3.46
Total	0.0097	0.9957	10733	100.00

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Table A3. Standardised ERT at age 10 by ethnic groups

Parental region of birth	Standardised ERT			
	Mean	Std. Dev.	N	%
Both parents UK or Europe	0.0262	0.9943	9954	93.18
Both parents South Asia	-0.5187	0.9316	167	1.56
Both parents Afro Caribbean	-0.6309	0.9263	141	1.32
Other ethnic groups and other combinations	-0.0347	1.0141	421	3.94
Total	0.0066	0.9982	10683	100.00

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Table A4. Standardised FMT at age 10 by ethnic groups

Parental region of birth	Standardised FMT			
	Mean	Std. Dev.	N	%
Both parents UK or Europe	0.0248	0.9926	9964	93.16
Both parents South Asia	-0.4383	0.9784	168	1.57
Both parents Afro Caribbean	-0.7606	0.7951	142	1.33
Other ethnic groups and other combinations	-0.0468	1.0013	422	3.95
Total	0.0043	0.9959	10696	100.00

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Table A5. Definition of variables and range of values

Variable name	Definition	N	Min.	Max.
Ethnicity background				
UK/Europe	Region of birth of parents	17176	0	1 for both parents UK or Europe
South Asia	Region of birth of parents	17176	0	1 for both parents South Asia
Afro Caribbean	Region of birth of parents	17176	0	1 for both parents Afro Caribbean
Other/Mixed	Region of birth of parents	17176	0	1 for both parents others
Age at testing				
EPVT	Age at testing (EPVT) in days	12818	1788	2297
FMT	Age at assessment (FMT) in months	10739	117	139
Gender				
female	Child's sex	18116	0	1 for a female
Birthweight				
bweight	Birth-weight of baby (in 100 grams)	17161	200	6463
Read to in past week (age 5)				
read_age5	Number of days read to in past week	19073	0	7
readmiss_age5	Number of days read to in past week	19073	0	1 for missing
Language used at home (age 5)				
eng_75	Language use in home	19073	0	1 for English
noeng_75	Language use in home	19073	0	1 for others languages
langmiss_75	Language use in home	19073	0	1 for missing
Number of siblings (age 10)				
nsib10	Number of siblings	19073	0	9
First born				
first_born	First born	19073	0	1 for first born
Parental education (age 5)				
med_noqual_75	Mother highest education qualification	19073	0	1 for no qualification
med_vocqual_75	Mother highest education qualification	19073	0	1 for vocational qualification
med_olevel_75	Mother highest education qualification	19073	0	1 for o level or equivalent
med_alevelplus_75	Mother highest education qualification	19073	0	1 for a level or equivalent or more
med_miss_75	Mother highest education qualification	19073	0	1 for missing
fed_noqual_75	Father highest education qualification	19073	0	1 for no qualification
fed_vocqual_75	Father highest education qualification	19073	0	1 for vocational qualification
fed_olevel_75	Father highest education qualification	19073	0	1 for o level or equivalent
fed_alevelplus_75	Father highest education qualification	19073	0	1 for a level or equivalent or more
fed_miss_75	Father highest education qualification	19073	0	1 for missing
Parental social class (age 10)				
sclass_i_80	Highest father or mother's corrected social class	19073	0	1 for professional occupations

slashes_ii_80	Highest father or mother's corrected social class	19073	0	1 for managerial and other prof.
slashes_iiinm_80	Highest father or mother's corrected social class	19073	0	1 for non-manual skilled occupations
slashes_iiim_80	Highest father or mother's corrected social class	19073	0	1 for skilled manual workers
slashes_iv_80	Highest father or mother's corrected social class	19073	0	1 for semi-skilled workers
slashes_v_80	Highest father or mother's corrected social class	19073	0	1 for unskilled workers
slashes_miss_80	Highest father or mother's corrected social class	19073	0	1 for missing
Family income (age 10)				
inc_under49	Total gross family income	19073	0	1 for under 49 pw (per week)
inc_50_99	Total gross family income	19073	0	1 for between 50 pw and 99 pw
inc_100_149	Total gross family income	19073	0	1 for between 100 pw and 149 pw
inc_150_199	Total gross family income	19073	0	1 for between 150 pw and 199 pw
inc_200_249	Total gross family income	19073	0	1 for between 200 pw and 249 pw
inc_250_more	Total gross family income	19073	0	1 for 250 pw and more
inc_refuse	Total gross family income	19073	0	1 for refuse to answer
inc_miss	Total gross family income	19073	0	1 for missing
Parental interest in child education (age 10)				
m_very_80	Mother's interest in child's education	19073	0	1 for very interested
m_mod_80	Mother's interest in child's education	19073	0	1 for moderate interest
m_vlittle_80	Mother's interest in child's education	19073	0	1 for very little interest
m_unint_80	Mother's interest in child's education	19073	0	1 for uninterested
m_cnsay_80	Mother's interest in child's education	19073	0	1 for cannot say
m_intmiss_80	Mother's interest in child's education	19073	0	1 for missing
f_very_80	Father's interest in child's education	19073	0	1 for very interested
f_mod_80	Father's interest in child's education	19073	0	1 for moderate interest
f_vlittle_80	Father's interest in child's education	19073	0	1 for very little interest
f_unint_80	Father's interest in child's education	19073	0	1 for uninterested
f_cnsay_80	Father's interest in child's education	19073	0	1 for cannot say
f_intmiss_80	Father's interest in child's education	19073	0	1 for missing
LEAs	Local Education Authorities	14835	1	121

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey and 1980 BCS Age 10 survey.

Table A6. Means and (standard deviations) of key variables (sample: FMT at age 10)

Region of birth for both parents	UK/Europe		South Asia		Afro Caribbean		Other/Mixed		Total	
	Mean	Std. dev.	Mean	Std. dev.	Mean	Std. dev.	Mean	Std. dev.	Mean	Std. dev.
Age at assessment	121.3948	(2.6343)	120.6964	(2.1354)	120.9859	(2.4056)	121.4716	(2.6779)	121.3815	(2.6276)
Female	0.4835	(0.4998)	0.5298	(0.5006)	0.5070	(0.5017)	0.5308	(0.4996)	0.4864	(0.4998)
Birth weight	33.2508	(5.2956)	30.3342	(5.1920)	31.6212	(4.9515)	32.1247	(4.7935)	33.1389	(5.2895)
Read to at age5	4.3664	(2.5669)	2.4902	(2.8589)	3.2903	(2.5220)	4.2586	(2.5882)	4.3294	(2.5804)
(% of missing)	16.59		39.29		34.51		23.93		17.47	
English at home	0.8532	(0.3540)	0.0655	(0.2481)	0.7183	(0.4514)	0.7062	(0.4561)	0.8332	(0.3728)
No English	0.0127	(0.1122)	0.6250	(0.4856)	0.0000	(0.0000)	0.0711	(0.2573)	0.0245	(0.1546)
Language missing	0.1341	(0.3408)	0.3095	(0.4637)	0.2817	(0.4514)	0.2227	(0.4166)	0.1423	(0.3494)
Number of sibling	2.0397	(1.4054)	3.5357	(2.0558)	2.7254	(2.3037)	1.7346	(1.5087)	2.0603	(1.4526)
First born	0.4487	(0.4974)	0.3750	(0.4856)	0.4085	(0.4933)	0.6209	(0.4858)	0.4538	(0.4979)
Moth Educ no qual	0.4598	(0.4984)	0.5060	(0.5015)	0.4718	(0.5010)	0.4289	(0.4955)	0.4594	(0.4984)
ME voc. qual	0.1223	(0.3277)	0.0179	(0.1328)	0.0845	(0.2791)	0.1019	(0.3029)	0.1194	(0.3243)
ME olevel	0.1511	(0.3582)	0.0357	(0.1861)	0.0634	(0.2445)	0.1090	(0.3120)	0.1465	(0.3536)
ME alevelplus	0.0958	(0.2944)	0.0774	(0.2680)	0.0493	(0.2173)	0.1232	(0.3291)	0.0960	(0.2946)
ME missing	0.1709	(0.3765)	0.3631	(0.4823)	0.3310	(0.4722)	0.2370	(0.4257)	0.1787	(0.3831)
Fath Educ no qual	0.3749	(0.4841)	0.4524	(0.4992)	0.3944	(0.4904)	0.2536	(0.4356)	0.3716	(0.4833)
FE voc. qual	0.0859	(0.2802)	0.0060	(0.0772)	0.0423	(0.2019)	0.0355	(0.1854)	0.0821	(0.2745)
FE olevel	0.1357	(0.3425)	0.0357	(0.1861)	0.0563	(0.2314)	0.0972	(0.2965)	0.1315	(0.3380)
FE alevelplus	0.1909	(0.3930)	0.1369	(0.3448)	0.0000	(0.0000)	0.1754	(0.3807)	0.1869	(0.3898)
FE missing	0.2126	(0.4091)	0.3690	(0.4840)	0.5070	(0.5017)	0.4384	(0.4968)	0.2278	(0.4195)
Social class i	0.0503	(0.2185)	0.0238	(0.1529)	0.0070	(0.0839)	0.0521	(0.2226)	0.0494	(0.2166)
Social class ii	0.2562	(0.4366)	0.1131	(0.3177)	0.2324	(0.4239)	0.2180	(0.4134)	0.2522	(0.4343)
Social class iinm	0.1924	(0.3942)	0.0238	(0.1529)	0.0986	(0.2992)	0.2133	(0.4101)	0.1893	(0.3918)
Social class iim	0.2820	(0.4500)	0.3333	(0.4728)	0.2606	(0.4405)	0.2464	(0.4315)	0.2811	(0.4496)
Social class iv	0.0947	(0.2929)	0.2619	(0.4410)	0.1549	(0.3631)	0.1137	(0.3179)	0.0989	(0.2986)
Social class v	0.0232	(0.1505)	0.0595	(0.2373)	0.0282	(0.1660)	0.0332	(0.1793)	0.0242	(0.1537)
Social class miss	0.1012	(0.3016)	0.1845	(0.3891)	0.2183	(0.4146)	0.1232	(0.3291)	0.1049	(0.3064)
Income under49	0.0569	(0.2317)	0.0536	(0.2258)	0.1268	(0.3339)	0.1351	(0.3422)	0.0609	(0.2391)
Income 50-99	0.2489	(0.4324)	0.3750	(0.4856)	0.3028	(0.4611)	0.2630	(0.4408)	0.2522	(0.4343)
Income 100-149	0.3047	(0.4603)	0.2798	(0.4502)	0.1901	(0.3938)	0.2204	(0.4150)	0.2995	(0.4580)
Income 150-199	0.1427	(0.3498)	0.0655	(0.2481)	0.0986	(0.2992)	0.1209	(0.3263)	0.1401	(0.3471)
Income 200-249	0.0511	(0.2202)	0.0179	(0.1328)	0.0070	(0.0839)	0.0521	(0.2226)	0.0500	(0.2180)

Income 250more	0.0474	(0.2124)	0.0060	(0.0772)	0.0070	(0.0839)	0.0569	(0.2319)	0.0466	(0.2107)
Income refuse	0.0272	(0.1627)	0.0179	(0.1328)	0.0493	(0.2173)	0.0308	(0.1730)	0.0275	(0.1635)
Income missing	0.1211	(0.3263)	0.1845	(0.3891)	0.2183	(0.4146)	0.1209	(0.3263)	0.1234	(0.3289)
Mother very inter	0.4722	(0.4993)	0.1548	(0.3628)	0.2887	(0.4548)	0.4147	(0.4933)	0.4625	(0.4986)
M moderate	0.3021	(0.4592)	0.1667	(0.3738)	0.2817	(0.4514)	0.3081	(0.4622)	0.2999	(0.4582)
M very little	0.0511	(0.2202)	0.0357	(0.1861)	0.0775	(0.2683)	0.0664	(0.2492)	0.0518	(0.2216)
M uninterested	0.0226	(0.1486)	0.0536	(0.2258)	0.0423	(0.2019)	0.0379	(0.1912)	0.0239	(0.1529)
M cannot say	0.1169	(0.3213)	0.4940	(0.5015)	0.2746	(0.4479)	0.1232	(0.3291)	0.1252	(0.3309)
M missing	0.0351	(0.1841)	0.0952	(0.2944)	0.0352	(0.1850)	0.0498	(0.2177)	0.0366	(0.1879)
Father very interest	0.3292	(0.4699)	0.2202	(0.4156)	0.1338	(0.3416)	0.2583	(0.4382)	0.3221	(0.4673)
F moderate	0.1941	(0.3955)	0.2202	(0.4156)	0.0845	(0.2791)	0.1445	(0.3521)	0.1911	(0.3932)
F very little	0.0376	(0.1903)	0.0357	(0.1861)	0.0493	(0.2173)	0.0379	(0.1912)	0.0378	(0.1907)
F uninterested	0.0292	(0.1684)	0.0536	(0.2258)	0.0352	(0.1850)	0.0308	(0.1730)	0.0297	(0.1699)
F cannot say	0.3057	(0.4607)	0.3988	(0.4911)	0.5070	(0.5017)	0.3246	(0.4688)	0.3106	(0.4628)
F missing	0.1042	(0.3055)	0.0714	(0.2583)	0.1901	(0.3938)	0.2038	(0.4033)	0.1087	(0.3113)
Obs.	9964 (93.16)		168 (1.57)		142 (1.33)		422 (3.95)		10696 (100)	

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Table A7. The impact of ethnic group on ability tests at ages 5 and 10 controlling for individual characteristics and family background

	Age 5		Age 10		Age 10	
	EPVT (1)	EPVT (2)	ERT (3)	ERT (4)	FMT (5)	FMT (6)
UK/Europe	ref.	ref.	ref.	ref.	ref.	ref.
South Asia	-0.8268*** (0.1105)	-0.7969*** (0.1126)	-0.0706 (0.0799)	-0.0473 (0.0828)	-0.1512* (0.0807)	-0.0894 (0.0833)
Afro Caribbean	-0.4906*** (0.0812)	-0.4370*** (0.0839)	-0.3123*** (0.0746)	-0.2126*** (0.0780)	-0.4437*** (0.0754)	-0.3064*** (0.0785)
Other/Mixed	-0.1003** (0.0479)	-0.0978** (0.0482)	-0.0142 (0.0439)	0.0001 (0.0441)	-0.0074 (0.0444)	0.0164 (0.0445)
Age at testing	0.0014*** (0.0002)	0.0008*** (0.0003)	0.0195*** (0.0032)	0.0173*** (0.0038)	0.0271*** (0.0033)	0.0251*** (0.0038)
Female	-0.2136*** (0.0173)	-0.2129*** (0.0173)	0.1302*** (0.0169)	0.1323*** (0.0170)	-0.0885*** (0.0172)	-0.0874*** (0.0171)
Birth weight (in 100 grams)	0.0142*** (0.0017)	0.0145*** (0.0017)	0.0151*** (0.0016)	0.0150*** (0.0016)	0.0146*** (0.0016)	0.0143*** (0.0016)
Read to (age5)	0.0593*** (0.0036)	0.0591*** (0.0037)	0.0387*** (0.0038)	0.0387*** (0.0038)	0.0311*** (0.0039)	0.0315*** (0.0039)
Read missing	0.0813* (0.0473)	0.0783* (0.0475)	0.0536 (0.0477)	0.0458 (0.0479)	0.0392 (0.0483)	0.0336 (0.0483)
English at home	ref.	ref.	ref.	ref.	ref.	ref.
No English (age 5)	-0.4455*** (0.0698)	-0.4162*** (0.0720)	-0.0323 (0.0632)	-0.0172 (0.0663)	0.1699*** (0.0640)	0.1786*** (0.0668)
Missing	0.0622 (0.1659)	0.0729 (0.1664)	0.1993*** (0.0644)	0.2000*** (0.0646)	0.2472*** (0.0653)	0.2478*** (0.0652)
Number sibling	-0.0757*** (0.0179)	-0.0776*** (0.0180)	-0.0141 (0.0176)	-0.0106 (0.0176)	0.0046 (0.0178)	0.0074 (0.0178)
Number sibling ²	-0.0021 (0.0030)	-0.0012 (0.0030)	-0.0049* (0.0029)	-0.0057* (0.0030)	-0.0061** (0.0030)	-0.0070** (0.0030)
First born	-0.0986*** (0.0203)	-0.0952*** (0.0204)	0.0783*** (0.0202)	0.0742*** (0.0202)	0.0066 (0.0204)	0.0027 (0.0204)
Income 49–	ref.	ref.	ref.	ref.	ref.	ref.
Income 50-99	0.0259 (0.0414)	0.0240 (0.0415)	0.0482 (0.0395)	0.0473 (0.0396)	0.0704* (0.0400)	0.0668* (0.0400)
Income 100-149	0.1065** (0.0418)	0.0964** (0.0419)	0.1028** (0.0399)	0.1043*** (0.0401)	0.1086*** (0.0405)	0.1130*** (0.0405)
Income 150-199	0.0759* (0.0456)	0.0610 (0.0458)	0.1077** (0.0439)	0.1107** (0.0441)	0.1057** (0.0445)	0.1127** (0.0445)
Income 200-249	0.1404** (0.0550)	0.1212** (0.0553)	0.1885*** (0.0542)	0.1933*** (0.0545)	0.2338*** (0.0549)	0.2405*** (0.0550)
Income 250+	0.1530*** (0.0575)	0.1354** (0.0580)	0.2053*** (0.0560)	0.2222*** (0.0564)	0.2358*** (0.0568)	0.2506*** (0.0569)
Income refuse to answer	0.0755 (0.0653)	0.0774 (0.0655)	0.0538 (0.0627)	0.0585 (0.0629)	0.0320 (0.0636)	0.0328 (0.0635)
Income missing	0.1214** (0.0484)	0.1083** (0.0487)	0.0242 (0.0463)	0.0351 (0.0465)	0.0369 (0.0469)	0.0522 (0.0469)
Moth education no qual.	ref.	ref.	ref.	ref.	ref.	ref.
Vocational qual.	0.0949*** (0.0275)	0.0906*** (0.0276)	0.0185 (0.0290)	0.0240 (0.0291)	0.0407 (0.0293)	0.0428 (0.0294)
Olevel	0.1429*** (0.0264)	0.1378*** (0.0266)	0.2232*** (0.0279)	0.2233*** (0.0279)	0.2249*** (0.0282)	0.2234*** (0.0282)
Alevel plus	0.2697*** (0.0333)	0.2696*** (0.0335)	0.3060*** (0.0348)	0.3061*** (0.0350)	0.3400*** (0.0353)	0.3325*** (0.0353)
Missing	0.0108 (0.0449)	0.0081 (0.0450)	-0.0239 (0.0454)	-0.0221 (0.0456)	-0.0568 (0.0460)	-0.0605 (0.0460)

	ref.	ref.	ref.	ref.	ref.	ref.
Fath education no qual.						
Vocational qual.	0.1065*** (0.0313)	0.1036*** (0.0314)	0.0244 (0.0333)	0.0149 (0.0334)	0.0367 (0.0338)	0.0239 (0.0337)
Olevel	0.1389*** (0.0276)	0.1449*** (0.0277)	0.1617*** (0.0289)	0.1589*** (0.0290)	0.1238*** (0.0292)	0.1225*** (0.0292)
Alevel plus	0.1871*** (0.0283)	0.1884*** (0.0284)	0.1949*** (0.0294)	0.1944*** (0.0294)	0.1701*** (0.0298)	0.1699*** (0.0297)
Missing	-0.0176 (0.0323)	-0.0142 (0.0324)	0.0071 (0.0335)	0.0104 (0.0336)	-0.0253 (0.0339)	-0.0192 (0.0339)
Social class i	0.0704* (0.0427)	0.0609 (0.0427)	0.0994** (0.0430)	0.0899** (0.0431)	0.1379*** (0.0436)	0.1286*** (0.0435)
Social class ii	ref.	ref.	ref.	ref.	ref.	ref.
Social class iiim	-0.0680** (0.0272)	-0.0716*** (0.0273)	-0.0520* (0.0269)	-0.0525* (0.0270)	-0.0799*** (0.0272)	-0.0770*** (0.0272)
Social class iiim	-0.0988*** (0.0265)	-0.0909*** (0.0267)	-0.1846*** (0.0260)	-0.1785*** (0.0262)	-0.1906*** (0.0264)	-0.1813*** (0.0264)
Social class iv	-0.1509*** (0.0357)	-0.1447*** (0.0359)	-0.2289*** (0.0348)	-0.2340*** (0.0349)	-0.2298*** (0.0352)	-0.2319*** (0.0352)
Social class v	-0.2647*** (0.0617)	-0.2671*** (0.0619)	-0.3023*** (0.0596)	-0.3080*** (0.0597)	-0.3464*** (0.0602)	-0.3500*** (0.0601)
Social class miss	-0.2404*** (0.0431)	-0.2218*** (0.0434)	-0.2230*** (0.0410)	-0.2277*** (0.0412)	-0.1819*** (0.0415)	-0.1866*** (0.0416)
Mother very interested	ref.	ref.	ref.	ref.	ref.	ref.
Moderate	-0.1098*** (0.0273)	-0.1083*** (0.0273)	-0.2542*** (0.0252)	-0.2543*** (0.0252)	-0.2162*** (0.0255)	-0.2210*** (0.0254)
Very little	-0.2393*** (0.0560)	-0.2425*** (0.0562)	-0.5314*** (0.0491)	-0.5362*** (0.0492)	-0.4929*** (0.0497)	-0.5035*** (0.0496)
Uninterested	-0.3743*** (0.0885)	-0.3944*** (0.0887)	-0.7128*** (0.0786)	-0.7208*** (0.0788)	-0.6955*** (0.0796)	-0.7224*** (0.0794)
Cannot say	-0.2036*** (0.0356)	-0.2058*** (0.0359)	-0.3115*** (0.0318)	-0.3060*** (0.0320)	-0.2504*** (0.0323)	-0.2556*** (0.0323)
Missing	-0.1275*** (0.0394)	-0.1451*** (0.0398)	-0.2508*** (0.0498)	-0.2570*** (0.0501)	-0.2818*** (0.0505)	-0.2824*** (0.0505)
Father very interested	ref.	ref.	ref.	ref.	ref.	ref.
Moderate	-0.0429 (0.0324)	-0.0483 (0.0325)	-0.1139*** (0.0300)	-0.1091*** (0.0300)	-0.1152*** (0.0304)	-0.1067*** (0.0303)
Very little	-0.1495** (0.0632)	-0.1518** (0.0634)	-0.2122*** (0.0565)	-0.2155*** (0.0567)	-0.2091*** (0.0571)	-0.2158*** (0.0571)
Uninterested	-0.1208 (0.0808)	-0.1193 (0.0810)	-0.3947*** (0.0731)	-0.3895*** (0.0733)	-0.3000*** (0.0739)	-0.2766*** (0.0739)
Cannot say	-0.0861*** (0.0289)	-0.0835*** (0.0290)	-0.1754*** (0.0267)	-0.1746*** (0.0268)	-0.1918*** (0.0271)	-0.1864*** (0.0271)
Missing	-0.0762** (0.0379)	-0.0805** (0.0381)	-0.1280*** (0.0348)	-0.1222*** (0.0350)	-0.1518*** (0.0353)	-0.1390*** (0.0353)
LEAs fixed-effects		✓		✓		✓
Constant	-2.8709*** (0.4246)	-1.9318*** (0.4921)	-2.8789*** (0.4003)	-2.6215*** (0.4686)	-3.6648*** (0.4049)	-3.4298*** (0.4714)
Observations	10733	10733	10683	10683	10696	10696
Adjusted R ²	0.2048	0.2096	0.2467	0.2519	0.2220	0.2336

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey. Notes: age at assessment used for ERT estimation is age at testing for FMT.

Table A7(bis). The impact of ethnic group on ability tests at ages 5 and 10
controlling for individual characteristics and family background
(with interaction term: South Asia x No English at home)

	Age 5		Age 10		Age 10	
	EPVT (1)	EPVT (2)	ERT (3)	ERT (4)	FMT (5)	FMT (6)
UK/Europe	ref.	ref.	ref.	ref.	ref.	ref.
South Asia	-0.6987*** (0.2384)	-0.6676*** (0.2391)	-0.2308** (0.1129)	-0.2095* (0.1145)	-0.1717 (0.1137)	-0.1166 (0.1149)
Afro Caribbean	-0.4905*** (0.0812)	-0.4366*** (0.0839)	-0.3136*** (0.0746)	-0.2145*** (0.0780)	-0.4439*** (0.0754)	-0.3067*** (0.0785)
Other/Mixed	-0.1011** (0.0479)	-0.0987** (0.0482)	-0.0110 (0.0439)	0.0037 (0.0442)	-0.0070 (0.0445)	0.0170 (0.0446)
Age at testing	0.0014*** (0.0002)	0.0008*** (0.0003)	0.0195*** (0.0032)	0.0173*** (0.0038)	0.0271*** (0.0033)	0.0251*** (0.0038)
Female	-0.2137*** (0.0173)	-0.2130*** (0.0173)	0.1299*** (0.0169)	0.1321*** (0.0170)	-0.0886*** (0.0172)	-0.0875*** (0.0171)
Birth weight (in 100 grams)	0.0141*** (0.0017)	0.0145*** (0.0017)	0.0151*** (0.0016)	0.0150*** (0.0016)	0.0146*** (0.0016)	0.0143*** (0.0016)
Read to (age5)	0.0593*** (0.0036)	0.0591*** (0.0037)	0.0389*** (0.0038)	0.0389*** (0.0038)	0.0311*** (0.0039)	0.0315*** (0.0039)
Read missing	0.0810* (0.0473)	0.0780 (0.0475)	0.0528 (0.0477)	0.0449 (0.0479)	0.0391 (0.0483)	0.0334 (0.0483)
English at home	ref.	ref.	ref.	ref.	ref.	ref.
No English (age 5)	-0.4337*** (0.0725)	-0.4035*** (0.0750)	-0.0946 (0.0704)	-0.0872 (0.0746)	0.1618** (0.0714)	0.1667** (0.0753)
Missing	0.0582 (0.1661)	0.0689 (0.1665)	0.2043*** (0.0644)	0.2050*** (0.0646)	0.2479*** (0.0653)	0.2486*** (0.0653)
South Asia x No English at home	-0.1628 (0.2684)	-0.1656 (0.2700)	0.3147** (0.1567)	0.3258** (0.1590)	0.0406 (0.1583)	0.0550 (0.1600)
Number sibling	-0.0757*** (0.0179)	-0.0777*** (0.0180)	-0.0138 (0.0176)	-0.0103 (0.0176)	0.0047 (0.0178)	0.0075 (0.0178)
Number sibling ²	-0.0021 (0.0030)	-0.0011 (0.0030)	-0.0050* (0.0029)	-0.0057* (0.0030)	-0.0061** (0.0030)	-0.0070** (0.0030)
First born	-0.0989*** (0.0203)	-0.0955*** (0.0204)	0.0790*** (0.0202)	0.0749*** (0.0202)	0.0067 (0.0205)	0.0028 (0.0204)
Income 49–	ref.	ref.	ref.	ref.	ref.	ref.
Income 50-99	0.0260 (0.0414)	0.0241 (0.0415)	0.0482 (0.0395)	0.0471 (0.0396)	0.0704* (0.0401)	0.0667* (0.0400)
Income 100-149	0.1065** (0.0418)	0.0964** (0.0419)	0.1025** (0.0399)	0.1040*** (0.0401)	0.1085*** (0.0405)	0.1129*** (0.0405)
Income 150-199	0.0759* (0.0456)	0.0610 (0.0458)	0.1076** (0.0439)	0.1107** (0.0441)	0.1057** (0.0445)	0.1127** (0.0445)
Income 200-249	0.1404** (0.0550)	0.1212** (0.0553)	0.1886*** (0.0542)	0.1935*** (0.0545)	0.2338*** (0.0549)	0.2405*** (0.0550)
Income 250+	0.1530*** (0.0575)	0.1354** (0.0580)	0.2043*** (0.0560)	0.2212*** (0.0564)	0.2357*** (0.0568)	0.2504*** (0.0569)
Income refuse to answer	0.0756 (0.0653)	0.0776 (0.0655)	0.0541 (0.0627)	0.0589 (0.0629)	0.0320 (0.0636)	0.0329 (0.0635)
Income missing	0.1214** (0.0484)	0.1083** (0.0487)	0.0245 (0.0463)	0.0354 (0.0465)	0.0370 (0.0469)	0.0523 (0.0469)
Moth education no qual.	ref.	ref.	ref.	ref.	ref.	ref.
Vocational qual.	0.0947*** (0.0275)	0.0904*** (0.0276)	0.0194 (0.0290)	0.0249 (0.0291)	0.0409 (0.0294)	0.0429 (0.0294)
Olevel	0.1428*** (0.0264)	0.1378*** (0.0266)	0.2241*** (0.0279)	0.2241*** (0.0279)	0.2250*** (0.0282)	0.2235*** (0.0282)
Alevel plus	0.2692*** (0.0333)	0.2691*** (0.0335)	0.3076*** (0.0349)	0.3075*** (0.0350)	0.3402*** (0.0354)	0.3327*** (0.0353)

Missing	0.0102 (0.0449)	0.0075 (0.0451)	-0.0222 (0.0454)	-0.0202 (0.0456)	-0.0566 (0.0460)	-0.0602 (0.0460)
Fath education no qual.	ref.	ref.	ref.	ref.	ref.	ref.
Vocational qual.	0.1066*** (0.0313)	0.1038*** (0.0314)	0.0251 (0.0333)	0.0155 (0.0334)	0.0368 (0.0338)	0.0240 (0.0337)
Olevel	0.1391*** (0.0276)	0.1452*** (0.0277)	0.1618*** (0.0289)	0.1590*** (0.0290)	0.1238*** (0.0292)	0.1225*** (0.0293)
Alevel plus	0.1875*** (0.0283)	0.1888*** (0.0284)	0.1942*** (0.0294)	0.1938*** (0.0294)	0.1700*** (0.0298)	0.1698*** (0.0297)
Missing	-0.0175 (0.0323)	-0.0142 (0.0324)	0.0077 (0.0335)	0.0109 (0.0336)	-0.0252 (0.0339)	-0.0192 (0.0339)
Social class i	0.0702* (0.0427)	0.0607 (0.0427)	0.0993** (0.0430)	0.0897** (0.0431)	0.1379*** (0.0436)	0.1286*** (0.0435)
Social class ii	ref.	ref.	ref.	ref.	ref.	ref.
Social class iiinm	-0.0680** (0.0272)	-0.0716*** (0.0273)	-0.0525* (0.0269)	-0.0529** (0.0270)	-0.0800*** (0.0272)	-0.0771*** (0.0272)
Social class iiim	-0.0987*** (0.0266)	-0.0908*** (0.0267)	-0.1850*** (0.0260)	-0.1787*** (0.0262)	-0.1907*** (0.0264)	-0.1814*** (0.0264)
Social class iv	-0.1504*** (0.0358)	-0.1442*** (0.0359)	-0.2296*** (0.0348)	-0.2345*** (0.0349)	-0.2299*** (0.0352)	-0.2320*** (0.0352)
Social class v	-0.2642*** (0.0617)	-0.2666*** (0.0619)	-0.3013*** (0.0596)	-0.3071*** (0.0597)	-0.3463*** (0.0602)	-0.3499*** (0.0601)
Social class miss	-0.2398*** (0.0431)	-0.2212*** (0.0434)	-0.2255*** (0.0410)	-0.2300*** (0.0412)	-0.1823*** (0.0415)	-0.1870*** (0.0416)
Mother very interested	ref.	ref.	ref.	ref.	ref.	ref.
Moderate	-0.1098*** (0.0273)	-0.1082*** (0.0273)	-0.2543*** (0.0252)	-0.2545*** (0.0252)	-0.2162*** (0.0255)	-0.2210*** (0.0254)
Very little	-0.2396*** (0.0560)	-0.2428*** (0.0562)	-0.5319*** (0.0491)	-0.5366*** (0.0492)	-0.4930*** (0.0497)	-0.5037*** (0.0496)
Uninterested	-0.3741*** (0.0885)	-0.3940*** (0.0887)	-0.7128*** (0.0786)	-0.7212*** (0.0787)	-0.6955*** (0.0796)	-0.7225*** (0.0794)
Cannot say	-0.2034*** (0.0356)	-0.2057*** (0.0359)	-0.3108*** (0.0318)	-0.3053*** (0.0320)	-0.2503*** (0.0323)	-0.2555*** (0.0323)
Missing	-0.1275*** (0.0394)	-0.1451*** (0.0398)	-0.2482*** (0.0498)	-0.2541*** (0.0501)	-0.2815*** (0.0505)	-0.2819*** (0.0505)
Father very interested	ref.	ref.	ref.	ref.	ref.	ref.
Moderate	-0.0427 (0.0324)	-0.0481 (0.0325)	-0.1140*** (0.0300)	-0.1094*** (0.0300)	-0.1152*** (0.0304)	-0.1068*** (0.0303)
Very little	-0.1492** (0.0632)	-0.1515** (0.0634)	-0.2120*** (0.0565)	-0.2152*** (0.0567)	-0.2090*** (0.0571)	-0.2157*** (0.0571)
Uninterested	-0.1207 (0.0808)	-0.1192 (0.0810)	-0.3946*** (0.0730)	-0.3892*** (0.0733)	-0.3000*** (0.0739)	-0.2765*** (0.0739)
Cannot say	-0.0862*** (0.0289)	-0.0836*** (0.0290)	-0.1752*** (0.0267)	-0.1743*** (0.0268)	-0.1917*** (0.0271)	-0.1864*** (0.0271)
Missing	-0.0761** (0.0379)	-0.0804** (0.0381)	-0.1296*** (0.0348)	-0.1238*** (0.0350)	-0.1520*** (0.0353)	-0.1393*** (0.0353)
LEAs fixed-effects		✓		✓		✓
Constant	-2.8720*** (0.4246)	-1.9338*** (0.4921)	-2.8845*** (0.4002)	-2.6242*** (0.4686)	-3.6654*** (0.4049)	-3.4301*** (0.4714)
Observations	10733	10733	10683	10683	10696	10696
Adjusted R ²	0.2047	0.2095	0.2469	0.2521	0.2219	0.2336

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey. Notes: age at assessment used for ERT estimation is age at testing for FMT.

Table A8. The impact of ethnic origin on progression in cognitive test scores between the ages 5 and 10

	ERT	ERT	ERT	Quantile change between 5 and 10 ERT-EPVT
UK/Europe	ref.	ref.	ref.	ref.
South Asia	-0.2906** (0.1246)	0.0038 (0.1253)	0.2795** (0.1191)	2.3858 (1.7233)
Afro Caribbean	-0.7548*** (0.1022)	-0.3438*** (0.0903)	-0.2009** (0.0857)	-2.7424** (1.2419)
Other/Mixed	-0.0397 (0.0565)	-0.0030 (0.0501)	0.0268 (0.0475)	0.3199 (0.6885)
Age at assessment		0.0192*** (0.0036)	0.0202*** (0.0034)	0.2976*** (0.0490)
Female		0.1258*** (0.0186)	0.1922*** (0.0178)	2.5257*** (0.2576)
Birth weight (in 100 grams)		0.0149*** (0.0018)	0.0107*** (0.0017)	0.1433*** (0.0244)
Read to (age5)		0.0412*** (0.0039)	0.0232*** (0.0038)	0.3389*** (0.0546)
Read missing		0.0624 (0.0511)	0.0242 (0.0485)	0.6702 (0.7024)
English at home		ref.	ref.	ref.
No English (age 5)		-0.0193 (0.0758)	0.1057 (0.0719)	1.4917 (1.0427)
Missing		0.0733 (0.1795)	0.0318 (0.1701)	0.0298 (2.4654)
Number sibling		-0.0140 (0.0195)	0.0044 (0.0185)	0.0159 (0.2679)
Number sibling ²		-0.0054 (0.0033)	-0.0044 (0.0031)	-0.0465 (0.0455)
First born		0.0666*** (0.0220)	0.0921*** (0.0208)	1.3074*** (0.3021)
Income 49–		ref.	ref.	ref.
Income 50-99		0.0140 (0.0446)	0.0078 (0.0423)	-0.0801 (0.6124)
Income 100-149		0.0703 (0.0450)	0.0381 (0.0426)	0.2178 (0.6177)
Income 150-199		0.0515 (0.0492)	0.0331 (0.0466)	0.2365 (0.6756)
Income 200-249		0.1106* (0.0601)	0.0686 (0.0569)	0.7438 (0.8250)
Income 250+		0.1348** (0.0628)	0.0966 (0.0595)	1.3511 (0.8628)
Income refuse to answer		0.0196 (0.0692)	0.0046 (0.0656)	-0.1033 (0.9508)
Income missing		0.0290 (0.0525)	-0.0224 (0.0498)	-0.4333 (0.7215)
Moth education: no qual.		ref.	ref.	ref.
Vocational qualification		0.0339 (0.0296)	0.0073 (0.0280)	-0.0908 (0.4061)
Olevel		0.2508*** (0.0284)	0.2130*** (0.0270)	3.0837*** (0.3910)
Alevel plus		0.3510*** (0.0358)	0.2674*** (0.0341)	4.0730*** (0.4938)
Missing		-0.0342 (0.0474)	-0.0493 (0.0450)	-0.9275 (0.6516)
Father education: no qual.		ref.	ref.	ref.

Vocational qualification		0.0355 (0.0339)	0.0054 (0.0321)	0.1521 (0.4655)
Olevel		0.1771*** (0.0296)	0.1302*** (0.0281)	1.8660*** (0.4067)
Alevel plus		0.2251*** (0.0303)	0.1668*** (0.0288)	2.5414*** (0.4170)
Missing		-0.0118 (0.0346)	-0.0105 (0.0328)	-0.0508 (0.4754)
Social class i		0.0735 (0.0467)	0.0612 (0.0442)	1.0269 (0.6414)
Social class ii		ref.	ref.	ref.
Social class iiim		-0.0254 (0.0292)	-0.0059 (0.0277)	-0.0556 (0.4009)
Social class iiim		-0.1324*** (0.0286)	-0.1058*** (0.0271)	-1.5368*** (0.3932)
Social class iv		-0.1701*** (0.0384)	-0.1267*** (0.0364)	-1.9370*** (0.5282)
Social class v		-0.2488*** (0.0659)	-0.1743*** (0.0625)	-2.6424*** (0.9058)
Social class miss		-0.1783*** (0.0463)	-0.1044** (0.0439)	-1.4042** (0.6365)
Mother: very interesting		ref.	ref.	ref.
Moderate		-0.2503*** (0.0274)	-0.2138*** (0.0260)	-3.2055*** (0.3770)
Very little		-0.5307*** (0.0562)	-0.4573*** (0.0533)	-6.4985*** (0.7730)
Uninterested		-0.6500*** (0.0902)	-0.5151*** (0.0856)	-6.2147*** (1.2349)
Cannot say		-0.2858*** (0.0357)	-0.2224*** (0.0339)	-3.2792*** (0.4910)
Missing		-0.2100*** (0.0563)	-0.1946*** (0.0534)	-2.7906*** (0.7703)
Father: very interesting		ref.	ref.	ref.
Moderate		-0.1084*** (0.0326)	-0.0939*** (0.0309)	-1.6292*** (0.4479)
Very little		-0.2122*** (0.0632)	-0.1617*** (0.0599)	-2.5861*** (0.8676)
Uninterested		-0.3750*** (0.0824)	-0.3298*** (0.0781)	-5.0179*** (1.1293)
Cannot say		-0.1641*** (0.0292)	-0.1303*** (0.0277)	-2.0376*** (0.4018)
Missing		-0.1254*** (0.0391)	-0.0991*** (0.0371)	-1.5385*** (0.5371)
EPVT score at 5			0.3105*** (0.0099)	
Quantile EPVT score at 5				-0.6913*** (0.0099)
Constant	0.0485*** (0.0109)	-2.8656*** (0.4434)	-2.8709*** (0.4201)	-24.5814*** (6.0794)
Observations	8613	8613	8613	8619
Adjusted R ²	0.0066	0.2502	0.3269	0.3995

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Table A8(bis). The impact of ethnic origin on progression in cognitive test scores between the ages 5 and 10 (with LEAs fixed-effects)

	ERT	ERT	ERT	Quantile change between 5 and 10 ERT-EPVT
UK/Europe	ref.	ref.	ref.	ref.
South Asia	-0.2016 (0.1270)	0.0669 (0.1279)	0.3322*** (0.1213)	3.1452* (1.7573)
Afro Caribbean	-0.6201*** (0.1060)	-0.2252** (0.0938)	-0.0970 (0.0889)	-1.3820 (1.2895)
Other/Mixed	-0.0405 (0.0567)	0.0106 (0.0505)	0.0395 (0.0478)	0.4904 (0.6928)
Age at assessment		0.0188*** (0.0042)	0.0200*** (0.0040)	0.2971*** (0.0575)
Female		0.1298*** (0.0187)	0.1972*** (0.0178)	2.5960*** (0.2584)
Birth weight (in 100 grams)		0.0147*** (0.0018)	0.0102*** (0.0017)	0.1368*** (0.0246)
Read to (age5)		0.0415*** (0.0039)	0.0232*** (0.0038)	0.3335*** (0.0549)
Read missing		0.0540 (0.0514)	0.0165 (0.0486)	0.5346 (0.7052)
English at home		ref.	ref.	ref.
No English (age 5)		-0.0153 (0.0781)	0.0995 (0.0740)	1.3174 (1.0735)
Missing		0.1110 (0.1803)	0.0669 (0.1706)	0.5103 (2.4756)
Number sibling		-0.0110 (0.0196)	0.0092 (0.0185)	0.0822 (0.2689)
Number sibling ²		-0.0061* (0.0033)	-0.0056* (0.0031)	-0.0638 (0.0456)
First born		0.0634*** (0.0221)	0.0876*** (0.0209)	1.2508*** (0.3032)
Income 49–		ref.	ref.	ref.
Income 50-99		0.0185 (0.0448)	0.0132 (0.0424)	-0.0080 (0.6145)
Income 100-149		0.0758* (0.0453)	0.0459 (0.0429)	0.3254 (0.6218)
Income 150-199		0.0576 (0.0495)	0.0445 (0.0468)	0.3825 (0.6790)
Income 200-249		0.1211** (0.0605)	0.0849 (0.0573)	0.9714 (0.8307)
Income 250+		0.1579** (0.0633)	0.1286** (0.0599)	1.7973** (0.8696)
Income refuse to answer		0.0350 (0.0696)	0.0194 (0.0658)	0.1360 (0.9548)
Income missing		0.0432 (0.0529)	-0.0026 (0.0501)	-0.1679 (0.7262)
Moth education: no qual.		ref.	ref.	ref.
Vocational qualification		0.0428 (0.0298)	0.0167 (0.0282)	0.0161 (0.4088)
Olevel		0.2534*** (0.0286)	0.2171*** (0.0271)	3.1214*** (0.3927)
Alevel plus		0.3549*** (0.0361)	0.2688*** (0.0342)	4.0900*** (0.4966)
Missing		-0.0361 (0.0478)	-0.0519 (0.0452)	-0.9793 (0.6556)
Father education: no qual.		ref.	ref.	ref.

Vocational qualification		0.0247 (0.0340)	-0.0048 (0.0322)	0.0304 (0.4675)
Olevel		0.1755*** (0.0298)	0.1281*** (0.0282)	1.8295*** (0.4092)
Alevel plus		0.2224*** (0.0304)	0.1635*** (0.0289)	2.5015*** (0.4188)
Missing		-0.0096 (0.0348)	-0.0074 (0.0330)	-0.0149 (0.4784)
Social class i		0.0671 (0.0469)	0.0577 (0.0444)	0.9599 (0.6436)
Social class ii		ref.	ref.	ref.
Social class iiim		-0.0238 (0.0293)	-0.0029 (0.0277)	-0.0087 (0.4023)
Social class iiim		-0.1243*** (0.0288)	-0.1012*** (0.0272)	-1.4617*** (0.3949)
Social class iv		-0.1748*** (0.0386)	-0.1337*** (0.0366)	-2.0256*** (0.5307)
Social class v		-0.2544*** (0.0661)	-0.1803*** (0.0626)	-2.7097*** (0.9080)
Social class miss		-0.1823*** (0.0466)	-0.1149*** (0.0442)	-1.5559** (0.6411)
Mother: very interesting		ref.	ref.	ref.
Moderate		-0.2492*** (0.0275)	-0.2120*** (0.0261)	-3.1861*** (0.3782)
Very little		-0.5270*** (0.0565)	-0.4528*** (0.0535)	-6.4557*** (0.7768)
Uninterested		-0.6609*** (0.0905)	-0.5188*** (0.0857)	-6.3619*** (1.2440)
Cannot say		-0.2833*** (0.0360)	-0.2184*** (0.0341)	-3.2174*** (0.4947)
Missing		-0.2255*** (0.0567)	-0.2051*** (0.0536)	-2.8953*** (0.7782)
Father: very interesting		ref.	ref.	ref.
Moderate		-0.1043*** (0.0327)	-0.0880*** (0.0310)	-1.5379*** (0.4492)
Very little		-0.2173*** (0.0634)	-0.1659*** (0.0600)	-2.6411*** (0.8710)
Uninterested		-0.3783*** (0.0827)	-0.3331*** (0.0783)	-5.0127*** (1.1355)
Cannot say		-0.1636*** (0.0294)	-0.1303*** (0.0278)	-2.0194*** (0.4041)
Missing		-0.1156*** (0.0394)	-0.0891** (0.0373)	-1.4095*** (0.5405)
EPVT score at 5			0.3150*** (0.0100)	
Quantile EPVT score at 5				-0.6866*** (0.0100)
LEAs fixed-effects	✓	✓	✓	✓
Constant	0.0464*** (0.0109)	-2.8240*** (0.5167)	-2.8611*** (0.4889)	-24.6478*** (7.0978)
Obs.	8613	8613	8613	8613
Adjusted R ²	0.0190	0.2544	0.3326	0.4036

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Table A9. The impact of ethnic origin on progression in cognitive test scores between the ages 5 and 10

	FMT	FMT	FMT	Quantile change between 5 and 10 FMT-EPVT
UK/Europe	ref.	ref.	ref.	ref.
South Asia	-0.2040 (0.1241)	-0.0428 (0.1269)	0.1917 (0.1226)	1.1606 (1.7975)
Afro Caribbean	-0.8479*** (0.1018)	-0.4730*** (0.0914)	-0.3514*** (0.0882)	-5.4742*** (1.2954)
Other/Mixed	-0.0300 (0.0563)	0.0315 (0.0508)	0.0569 (0.0489)	0.9702 (0.7182)
Age at assessment		0.0267*** (0.0036)	0.0275*** (0.0035)	0.4103*** (0.0513)
Female		-0.0899*** (0.0189)	-0.0335* (0.0183)	-0.7002*** (0.2687)
Birth weight (in 100 grams)		0.0146*** (0.0018)	0.0110*** (0.0017)	0.1667*** (0.0255)
Read to (age5)		0.0330*** (0.0040)	0.0178*** (0.0039)	0.2528*** (0.0569)
Read missing		0.0361 (0.0518)	0.0036 (0.0499)	0.3722 (0.7327)
English at home		ref.	ref.	ref.
No English (age 5)		0.1191 (0.0768)	0.2254*** (0.0740)	3.1931*** (1.0876)
Missing		0.0041 (0.1818)	-0.0312 (0.1751)	-0.6705 (2.5715)
Number sibling		-0.0014 (0.0197)	0.0142 (0.0190)	0.1093 (0.2795)
Number sibling ²		-0.0051 (0.0034)	-0.0042 (0.0032)	-0.0356 (0.0474)
First born		0.0053 (0.0223)	0.0270 (0.0215)	0.4052 (0.3152)
Income 49–		ref.	ref.	ref.
Income 50-99		0.0506 (0.0452)	0.0454 (0.0435)	0.5221 (0.6389)
Income 100-149		0.0921** (0.0455)	0.0647 (0.0439)	0.7604 (0.6444)
Income 150-199		0.0777 (0.0498)	0.0620 (0.0480)	0.8357 (0.7049)
Income 200-249		0.1665*** (0.0608)	0.1309** (0.0586)	1.8377** (0.8606)
Income 250+		0.2087*** (0.0636)	0.1762*** (0.0613)	2.3068** (0.9001)
Income refuse to answer		0.0403 (0.0701)	0.0276 (0.0675)	0.2306 (0.9918)
Income missing		0.0577 (0.0532)	0.0139 (0.0513)	0.1696 (0.7530)
Moth education: no qual.		ref.	ref.	ref.
Vocational qualification		0.0488 (0.0300)	0.0262 (0.0289)	0.3444 (0.4239)
Olevel		0.2484*** (0.0288)	0.2162*** (0.0278)	3.2831*** (0.4079)
Alevel plus		0.3720*** (0.0363)	0.3009*** (0.0351)	4.5185*** (0.5151)
Missing		-0.0748 (0.0480)	-0.0877* (0.0463)	-1.1453* (0.6798)
Father education: no qual.		ref.	ref.	ref.

Vocational qualification		0.0450 (0.0343)	0.0194 (0.0331)	0.1906 (0.4856)
Olevel		0.1266*** (0.0299)	0.0868*** (0.0289)	1.1444*** (0.4243)
Alevel plus		0.1918*** (0.0307)	0.1422*** (0.0296)	2.2365*** (0.4352)
Missing		-0.0475 (0.0351)	-0.0464 (0.0338)	-0.5614 (0.4963)
Social class i		0.1283*** (0.0473)	0.1178*** (0.0455)	1.7751*** (0.6690)
Social class ii		ref.	ref.	ref.
Social class iiim		-0.0642** (0.0296)	-0.0476* (0.0285)	-0.6475 (0.4182)
Social class iiim		-0.1558*** (0.0290)	-0.1332*** (0.0279)	-2.0814*** (0.4101)
Social class iv		-0.1984*** (0.0389)	-0.1615*** (0.0375)	-2.3003*** (0.5509)
Social class v		-0.3234*** (0.0667)	-0.2602*** (0.0643)	-3.8248*** (0.9448)
Social class miss		-0.1718*** (0.0469)	-0.1089** (0.0452)	-1.7488*** (0.6643)
Mother: very interesting		ref.	ref.	ref.
Moderate		-0.2114*** (0.0278)	-0.1803*** (0.0268)	-2.7227*** (0.3933)
Very little		-0.4863*** (0.0570)	-0.4238*** (0.0549)	-6.6380*** (0.8064)
Uninterested		-0.7012*** (0.0914)	-0.5864*** (0.0881)	-7.7496*** (1.2942)
Cannot say		-0.2300*** (0.0361)	-0.1761*** (0.0349)	-2.8135*** (0.5122)
Missing		-0.2553*** (0.0570)	-0.2422*** (0.0549)	-3.3997*** (0.8068)
Father: very interesting		ref.	ref.	ref.
Moderate		-0.0956*** (0.0330)	-0.0833*** (0.0318)	-1.2547*** (0.4672)
Very little		-0.1900*** (0.0640)	-0.1471** (0.0616)	-2.1956** (0.9050)
Uninterested		-0.2400*** (0.0834)	-0.2015** (0.0804)	-2.9476** (1.1803)
Cannot say		-0.1708*** (0.0296)	-0.1421*** (0.0285)	-2.1605*** (0.4191)
Missing		-0.1340*** (0.0396)	-0.1116*** (0.0382)	-1.7069*** (0.5605)
EPVT score at 5			0.2641*** (0.0102)	
Quantile EPVT score at 5				-0.7499*** (0.0103)
Constant	0.0462*** (0.0109)	-3.6543*** (0.4490)	-3.6588*** (0.4325)	-35.8927*** (6.3569)
Obs.	8613	8613	8613	8613
Adjusted R ²	0.0079	0.2265	0.2823	0.4041

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Table A9(bis). The impact of ethnic origin on progression in cognitive test scores between the ages 5 and 10 (with LEAs fixed-effects)

	FMT	FMT	FMT	Quantile change between 5 and 10 FMT-EPVT
UK/Europe	ref.	ref.	ref.	ref.
South Asia	-0.0955 (0.1260)	0.0428 (0.1289)	0.2667** (0.1244)	2.3027 (1.8244)
Afro Caribbean	-0.6854*** (0.1052)	-0.3250*** (0.0946)	-0.2168** (0.0911)	-3.4413** (1.3387)
Other/Mixed	-0.0217 (0.0562)	0.0517 (0.0509)	0.0762 (0.0490)	1.2667* (0.7193)
Age at assessment		0.0260*** (0.0042)	0.0271*** (0.0041)	0.4075*** (0.0597)
Female		-0.0889*** (0.0188)	-0.0320* (0.0183)	-0.6804** (0.2682)
Birth weight (in 100 grams)		0.0144*** (0.0018)	0.0106*** (0.0017)	0.1601*** (0.0255)
Read to (age5)		0.0338*** (0.0040)	0.0184*** (0.0039)	0.2602*** (0.0570)
Read missing		0.0291 (0.0518)	-0.0025 (0.0498)	0.2934 (0.7321)
English at home		ref.	ref.	ref.
No English (age 5)		0.1245 (0.0787)	0.2214*** (0.0759)	3.0698*** (1.1145)
Missing		0.0385 (0.1818)	0.0013 (0.1750)	-0.1447 (2.5700)
Number sibling		-0.0010 (0.0197)	0.0161 (0.0190)	0.1412 (0.2792)
Number sibling ²		-0.0057* (0.0034)	-0.0053 (0.0032)	-0.0523 (0.0474)
First born		0.0009 (0.0222)	0.0213 (0.0214)	0.3307 (0.3148)
Income 49–		ref.	ref.	ref.
Income 50-99		0.0533 (0.0451)	0.0489 (0.0434)	0.5959 (0.6380)
Income 100-149		0.0998** (0.0456)	0.0746* (0.0439)	0.9425 (0.6455)
Income 150-199		0.0848* (0.0499)	0.0737 (0.0480)	1.0274 (0.7049)
Income 200-249		0.1767*** (0.0610)	0.1461** (0.0587)	2.0807** (0.8624)
Income 250+		0.2223*** (0.0638)	0.1975*** (0.0615)	2.6617*** (0.9028)
Income refuse to answer		0.0473 (0.0701)	0.0341 (0.0675)	0.3590 (0.9912)
Income missing		0.0739 (0.0533)	0.0352 (0.0513)	0.5084 (0.7539)
Moth education: no qual.		ref.	ref.	ref.
Vocational qualification		0.0509* (0.0300)	0.0288 (0.0289)	0.3829 (0.4244)
Olevel		0.2478*** (0.0288)	0.2172*** (0.0278)	3.2974*** (0.4076)
Alevel plus		0.3646*** (0.0364)	0.2919*** (0.0351)	4.4108*** (0.5155)
Missing		-0.0824* (0.0481)	-0.0958** (0.0463)	-1.2390* (0.6806)
Father education: no qual.		ref.	ref.	ref.

Vocational qualification		0.0311 (0.0343)	0.0062 (0.0330)	0.0150 (0.4853)
Olevel		0.1276*** (0.0300)	0.0876*** (0.0289)	1.1601*** (0.4248)
Alevel plus		0.1921*** (0.0307)	0.1424*** (0.0296)	2.2605*** (0.4348)
Missing		-0.0445 (0.0351)	-0.0426 (0.0338)	-0.5126 (0.4966)
Social class i		0.1229*** (0.0473)	0.1149** (0.0455)	1.7189** (0.6682)
Social class ii		ref.	ref.	ref.
Social class iiim		-0.0604** (0.0295)	-0.0427 (0.0284)	-0.5495 (0.4176)
Social class iiim		-0.1464*** (0.0290)	-0.1269*** (0.0279)	-1.9543*** (0.4099)
Social class iv		-0.1994*** (0.0390)	-0.1647*** (0.0375)	-2.3039*** (0.5510)
Social class v		-0.3297*** (0.0666)	-0.2671*** (0.0642)	-3.8517*** (0.9426)
Social class miss		-0.1774*** (0.0470)	-0.1205*** (0.0453)	-1.8980*** (0.6656)
Mother: very interesting		ref.	ref.	ref.
Moderate		-0.2147*** (0.0277)	-0.1833*** (0.0267)	-2.7663*** (0.3927)
Very little		-0.4869*** (0.0570)	-0.4243*** (0.0549)	-6.6243*** (0.8064)
Uninterested		-0.7260*** (0.0912)	-0.6061*** (0.0879)	-8.0446*** (1.2914)
Cannot say		-0.2341*** (0.0363)	-0.1793*** (0.0350)	-2.8589*** (0.5136)
Missing		-0.2619*** (0.0571)	-0.2447*** (0.0550)	-3.4232*** (0.8079)
Father: very interesting		ref.	ref.	ref.
Moderate		-0.0907*** (0.0330)	-0.0769** (0.0318)	-1.1565** (0.4663)
Very little		-0.1996*** (0.0639)	-0.1562** (0.0616)	-2.3387*** (0.9042)
Uninterested		-0.2289*** (0.0834)	-0.1907** (0.0803)	-2.7548** (1.1788)
Cannot say		-0.1687*** (0.0296)	-0.1407*** (0.0286)	-2.1225*** (0.4195)
Missing		-0.1200*** (0.0397)	-0.0976** (0.0382)	-1.4720*** (0.5611)
EPVT score at 5			0.2658*** (0.0103)	
Quantile EPVT score at 5				-0.7480*** (0.0103)
LEAs fixed-effects	✓	✓	✓	✓
Constant	0.0433*** (0.0108)	-3.5761*** (0.5208)	-3.6074*** (0.5013)	-35.6132*** (7.3685)
Obs.	8613	8613	8613	8613
Adjusted R ²	0.0277	0.2379	0.2939	0.4138

Data Sources: 1970 BCS Age 0 survey, 1975 BCS Age 5 survey, 1980 BCS Age 10 survey.

Appendix B

Table B1. The impact of ethnic group on ability tests at ages 5 and 10
(marginal effects from Table 3)

	Age 5		Age 10		Age 10	
	EPVT (1)	EPVT (2)	ERT (3)	ERT (4)	FMT (5)	FMT (6)
UK/Europe	ref.	ref.	ref.	ref.	ref.	ref.
South Asia	<i>-20.54 pts</i> [-55.35%]	<i>-19.32 pts</i> [-52.08%]	<i>-6.14 pts</i> [-19.07%]	<i>-5.49 pts</i> [-17.05%]	<i>-5.65 pts</i> [-12.90%]	<i>-4.58 pts</i> [-10.46%]
Afro Caribbean	<i>-11.20 pts</i> [-30.18%]	<i>-10.19 pts</i> [-27.46%]	<i>-7.40 pts</i> [-23.01%]	<i>-6.16 pts</i> [-19.13%]	<i>-9.58 pts</i> [-21.87%]	<i>-7.85 pts</i> [-17.92%]
Other/Mixed	<i>-2.73 pts</i> [-7.37%]	<i>-2.76 pts</i> [-7.44%]	<i>-0.69 pts</i> [-2.14%]	<i>-0.61 pts</i> [-1.91%]	<i>-0.87 pts</i> [-2.00%]	<i>-0.67 pts</i> [-1.52%]
LEAs fixed effects		✓		✓		✓
Obs.	10733	10733	10683	10683	10696	10696
Adjusted R ²	0.0292	0.0476	0.0099	0.0247	0.0112	0.0323

Note: Absolute differences in scores (in italics); % differences (in squared brackets).

Table B2. The impact of ethnic group on ability tests at ages 5 and 10
controlling for individual characteristics and family background
(marginal effects from Table 4)

	Age 5		Age 10		Age 10	
	EPVT (1)	EPVT (2)	ERT (3)	ERT (4)	FMT (5)	FMT (6)
UK/Europe	ref.	ref.	ref.	ref.	ref.	ref.
South Asia	<i>-11.01 pts</i> [-29.68%]	<i>-10.62 pts</i> [-28.61%]	<i>-0.80 pts</i> [-2.47%]	<i>-0.53 pts</i> [-1.66%]	<i>-1.84 pts</i> [-4.21%]	<i>-1.09 pts</i> [-2.49%]
Afro Caribbean	<i>-6.54 pts</i> [-17.61%]	<i>-5.82 pts</i> [-15.69%]	<i>-3.52 pts</i> [-10.93%]	<i>-2.39 pts</i> [-7.44%]	<i>-5.41 pts</i> [-12.35%]	<i>-3.74 pts</i> [-8.53%]
Other/Mixed	<i>-1.34 pts</i> [-3.60%]	<i>-1.30 pts</i> [-3.51%]	<i>-0.16 pts</i> [-0.50%]	<i>0.00 pts</i> [0.00%]	<i>-0.09 pts</i> [-0.21%]	<i>0.20 pts</i> [0.46%]
Individual characteristics	✓	✓	✓	✓	✓	✓
Family Background	✓	✓	✓	✓	✓	✓
LEAs fixed effects		✓		✓		✓
Observations	10733	10733	10683	10683	10696	10696
Adjusted R ²	0.2048	0.2096	0.2467	0.2519	0.2220	0.2336

Note: Absolute differences in scores (in italics); % differences (in squared brackets).