

Appendix

Moving home in the early years: Family and child outcomes in the UK and US

Table 1: Descriptive statistics and estimated odds of moving in a binary logistic regression for the UK Millennium Cohort Study

	Whole sample		Stayers	Movers	Odds Ratio (N=14373)
	n	% or Mean	% or Mean	% or Mean	
Home moves (9mth to age 5)	14373				
No move		60.0%			
One move		26.5%			
Two moves		8.6%			
Three or more moves		4.9%			
Any moves		40.0%			
Child outcomes	14373				
Vocabulary z-score		0.552	0.582	0.507	
Externalising problems (scale 0 to 2)		0.464	0.448	0.489	
Internalising problems (scale 0 to 2)		0.240	0.230	0.254	
Partnership changes	12552				
Stably coupled natural parents		75.6%	81.9%	66.0%	
Stably single		5.2%	4.3%	6.5%	1.33*
From both natural to other coupled (1 transition)		1.3%	0.8%	2.0%	3.06***
From single to coupled (1 transition)		4.4%	3.3%	6.1%	1.49**
From both natural to single (1 transition)		7.9%	5.9%	10.9%	1.97***
Multiple transitions		5.7%	3.9%	8.5%	
Employment transitions	11682				
Parent(s) stably employed (0 transition)		81.4%	85.2%	75.3%	ref
Parent(s) stably workless (0 transition)		3.8%	3.1%	4.8%	ns
Parent(s) from workless to employed (1 transition)		3.4%	2.8%	4.2%	ns
Parent(s) from employed to workless (1 transition)		5.7%	4.4%	7.7%	ns
Parent(s) in and out of work (2 or 3 transitions)		5.8%	4.4%	7.9%	ns
Housing tenure first survey	13837				
Owners		67.7%	75.4%	56.1%	
Social housing		19.8%	18.1%	22.5%	1.33***
Private renting		7.4%	3.8%	12.9%	3.45***
Sharers/other		5.1%	2.8%	8.5%	2.62***

Table 1 continued

	Whole sample		Stayers	Movers	Odds Ratio
	n	% or Mean	% or Mean		
Mother's age when child born (years)	13865	29.3	30.3	27.7	0.95***
Cohort child is first born	13865	43.6%	37.6%	52.5%	1.35***
Cohort child has younger sibling by age 5	14373	41.2%	36.5%	48.2%	1.41***
Whether child had low birth weight	13831	6.4%	6.0%	7.0%	ns
Whether child had health problems (age 3)	13006	15.7%	15.5%	16.0%	ns
Mother depressed (at child age 9 months)	13851	24.2%	22.5%	26.9%	1.15**
Mother's general health (first survey)	13853	2.17	2.19	2.14	ns
Mother's highest qualification level (first survey)	13829	4.04	4.08	3.98	1.08***
Family income at first survey (log)	13729	5.6	5.7	5.6	1.12*
Household size (first survey)	13865	3.9	4.0	3.8	ns
Mother's Ethnic group	14373				
White		91.1%	90.7%	0.9172	
Mixed		0.8%	0.8%	0.8%	
Indian		1.8%	2.0%	1.6%	0.70 [†]
Pakistani and Bangladeshi		2.8%	3.0%	2.6%	0.71*
Black or Black British		2.3%	2.4%	2.1%	ns
Other ethnic group		1.2%	1.2%	1.2%	ns
Respondent not born in UK	12977	13.7%	14.3%	12.9%	ns
Child is male	14373	50.9%	51.4%	50.2%	not in
Child's age in months (at age 5 interview)	14373	62.5	62.4	62.7	not in

[†] p < .1; * p < .05; ** p < .01; *** p < .001

Table 2: Descriptive statistics and estimated odds of moving in a binary logistic regression for the US Fragile Families Study

	Whole sample		Stayers	Movers	Odds Ratio (N=3388)
	n	% or Mean	% or Mean	% or Mean	
Home moves (birth to age 5)	3388				
No move		32.7%			
One move		29.4%			
Two moves		18.8%			
Three moves		10.8%			
Four moves		4.3%			
Five moves		2.8%			
Six moves		0.6%			
Seven or more moves		0.6%			
Any moves		67.3%			
Child outcomes					
Vocabulary z-score	2076	0.075	0.246	-0.005	
Externalising problems (scale 0 to 2)	2577	0.403	0.379	0.413	
Internalising problems (scale 0 to 2)	2577	0.247	0.231	0.254	

Table 2 continued

	Whole sample		Stayers	Movers	Odds Ratio
	n	% or Mean	% or Mean		
Partnership changes	3370				
Stably coupled natural parents		55.8%	71.1%	48.4%	
Stably Single		7.6%	6.9%	7.9%	ns
From both natural to other Coupled (1 transition)		3.3%	0.6%	4.5%	9.05*
From Single to Coupled (1 transition)		8.0%	3.7%	10.2%	2.66**
From both natural to Single (1 transition)		12.1%	8.6%	13.8%	ns
Multiple Transitions		13.3%	9.1%	15.3%	ns
Employment transitions	3199				
Hh stably employed (0 transitions)		68.8%	78.4%	64.2%	ref
Hh stably workless (0 transitions)		1.9%	1.8%	1.9%	ns
Hh from workless to employed (1 transition)		7.5%	4.6%	8.9%	ns
Hh from employed to workless (1 transition)		7.4%	3.5%	9.3%	ns
Hh in and out of work (2 or 3 transitions)		14.5%	11.7%	15.8%	ns
Housing tenure first survey	3367				
Owners		25.5%	44.0%	16.5%	ref
Social housing		10.2%	11.6%	9.5%	ns
Private renting - not subsidised		41.5%	26.3%	48.9%	4.39***
Private renting - subsidised		5.8%	4.5%	6.4%	2.40†
Sharers/other		17.1%	13.6%	18.8%	2.10*
Mother's age (at child's birth, in years)		27.13	29.59	25.93	0.91***
Cohort child is first born	3385	38.6%	32.4%	41.5%	ns
Cohort child has younger sibling by age 5	3376	38.7%	32.4%	41.8%	ns
Whether child had low birth weight	3297	7.8%	4.3%	9.6%	2.08†
Child's general health (at age 1, scale 1 to 5)	3380	4.49	4.45	4.51	ns
Mother depressed (at child age 1)	3388	10.1%	5.4%	12.3%	3.13**
Mother's general health (at child age 1, scale 1 to 5)	3388	3.84	3.91	3.81	ns
Mother's highest qualification level (scale 1 to 7)	3388	3.98	4.19	3.88	1.16†
Family income at first survey (log)	3388	9.92	10.06	9.85	ns
Household size (at child's birth)	3358	4.39	4.54	4.32	ns
Mother's race	3388				
White		30.2%	35.5%	27.6%	ref
Black not-Hispanic		34.4%	31.5%	35.8%	ns
Hispanic		27.8%	23.2%	30.1%	ns
Other		7.6%	9.9%	6.5%	ns
Respondent not born in the US	3382	24.5%	31.9%	21.0%	0.55†
Child is male	3388	57.2%	56.6%	57.5%	not in
Child's age in months (at age 5 interview)	3388	61.3	61.1	61.3	not in

† p < .1; * p < .05; ** p < .01; *** p < .001

Table 3: Standardized Regression Coefficients for Child Outcomes in MCS (N=14,373)

	Vocabulary	Internalising	Externalising
	Z-score	Z-score	Z-score
Home moves (9 months to age 5)	0.001	0.003	0.012
Child is male	-0.064 **	0.020	0.281 ***
Child's age	-0.009 **	-0.009 ***	-0.015 ***
Partnership changes (Stably coupled is reference group)			
Stably single	0.012	0.097	0.136 *
From both natural to other coupled	-0.024	0.052	0.482 ***
From single to coupled	-0.086	-0.004	0.223 ***
From both natural to single	-0.086 *	0.043	0.173 ***
Multiple Transitions	-0.012	0.096 †	0.164 **
Employment transitions (Stably employed is reference group)			
Stably workless	-0.296 ***	0.285 ***	0.193 **
From workless to employed (1 transitions)	-0.052	0.036	-0.046
From employed to workless (1 transition)	-0.060	0.145 **	0.052
In and out of work (2 or 3 transitions)	-0.127 **	0.087 †	0.008
Housing tenure first survey (Homeowners reference group)			
Social housing	-0.062 *	0.099 **	0.155 ***
Private renting	-0.031	0.045	0.065 †
Sharers/other	0.053	0.002	0.068
Income (logged)	0.160 ***	-0.082 ***	-0.031
Household size	-0.076 ***	0.016	-0.021 †
Child is youngest (at third survey)	-0.026	0.078 ***	0.028
Child is oldest (at first survey)	0.143 ***	0.177 ***	-0.045 †
Low birthweight	-0.056	0.096 *	0.154 ***
Child's health	-0.077 **	0.134	0.097 **
Mother's depressed	0.011	0.128	0.094 ***
Mother's health	0.023	-0.141	-0.136 ***
Indian	-0.253 **	0.190 *	0.076
Pakistani and Bangladeshi	-0.715 ***	0.408	0.122 †
Black or Black British	-0.490 ***	0.088	-0.064
Other ethnic group	-0.376 ***	0.130 †	-0.031
Not born in UK	-0.172 ***	0.034	-0.041
Mother's age	0.014 ***	0.001	-0.011 ***
Mother's education	0.119 ***	-0.059 ***	-0.089 ***
Constant	-0.323	2.199 ***	3.248 ***

Using multiple imputation and accounting for survey design and attrition

† p < .1; * p < .05; ** p < .01; *** p < .001

Table 4: Construction of variable measuring disadvantaged moves:
Movers' housing space and area at 9 month and age 5 surveys, MCS, %

Band of area social advantage	remain in top 30%	up between bands	remain in middle 40%	down between bands	remain in bottom 30%
Housing space					
More rooms	14.7	12.6	15.6	7.0	10.7
Same rooms	3.7	3.9	5.4	2.9	5.8
Fewer rooms	2.9	3.3	4.6	3.1	3.9
Total	21.3	19.8	25.6	13.0	20.3
n (weighted) Movers	1154	1075	1388	703	1101
Gaining	46.7				
Maintaining	9.1				
Mixed	23.9				
Double disadvantage	20.2				