Figures

The value of mixed method longitudinal panel studies in ICT research: Transitions in and out of 'ICT poverty' as a case in point.

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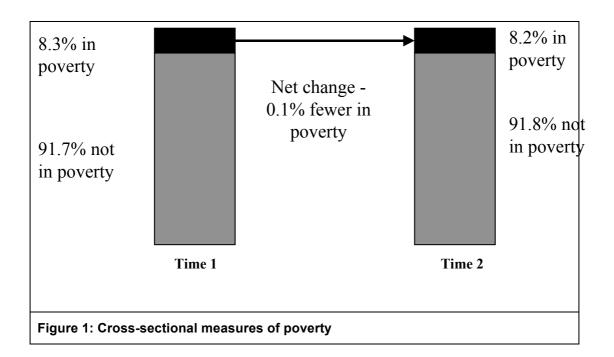
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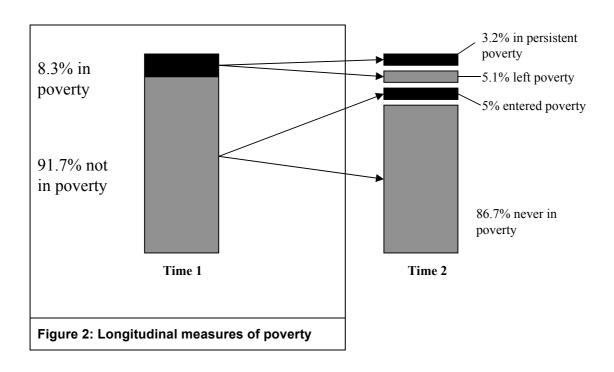


Table 1: Home On-Line - Final sample size of individuals, including children

	Wave 1 - 1998	Wave 2 - 2000	Wave 3 - 2001
Undefined		6	10
Survey plus diary	1093	649	723
Survey only	668	918	840
16+ survey total	<u>1761</u>	<u>1567</u>	<u>1563</u>
Non-response	273	391	321
Children's diary	163	82	73
No children's	125	220	208
diary			
Child under 9	286	289	231
Total sample size	2608	2555	2406

Table 2: Home On-Line - Number of waves interviewed and number of waves for which a diary was completed

	Interviews	Diaries
(Always a child)	(697)	(697)
Never	462	1415
Wave 1 only	511	480
Wave 2 only	136	106
Wave 3 only	197	214
Waves 1 and 2	224	172
Waves 2 and 3	365	68
Waves 1 and 3	159	138
Waves 1, 2 and 3	842	303
Total sample	3593	3593

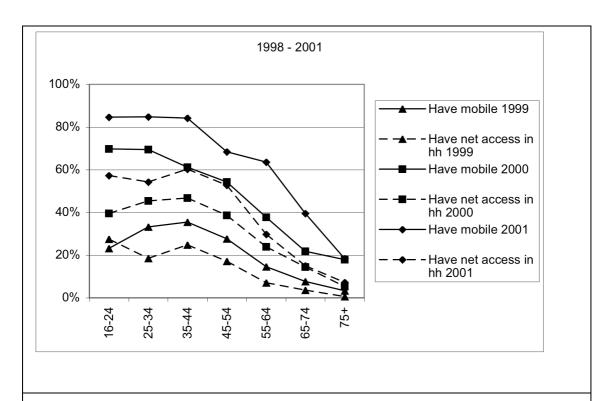


Figure 3: Penetration of household internet access and personal mobile telephone ownership in the UK 1998-2001. Source = Home OnLine data, % of individuals in each age group (w1,2,3, weighted)

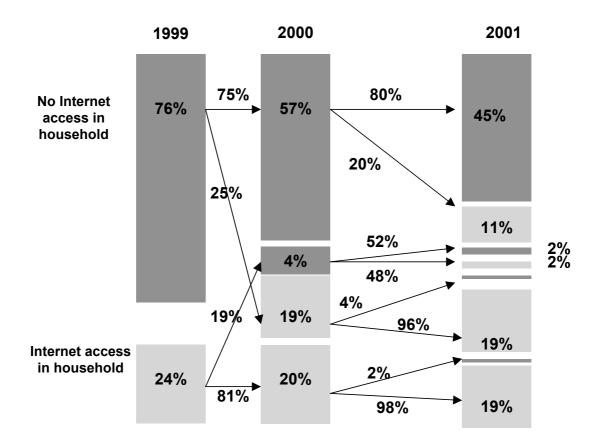


Figure 4: Transitions in household Internet access in the UK 1998-2001. Source = Home OnLine waves 1-3, longitudinal sample only, unweighted.

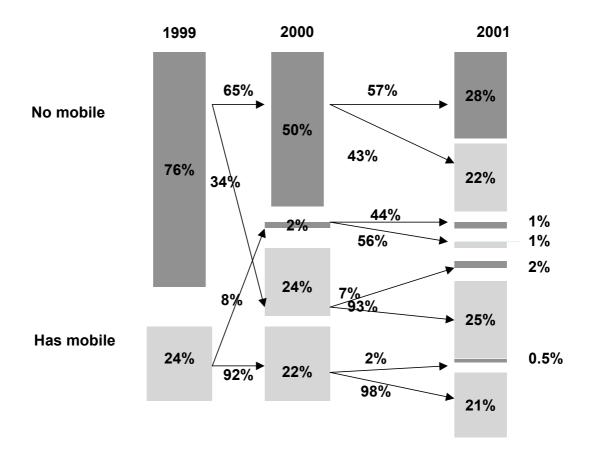


Figure 5: Transitions in the personal ownership of mobiles in the UK 1998-2001. Source = Home OnLine waves 1-3, longitudinal sample only, unweighted.

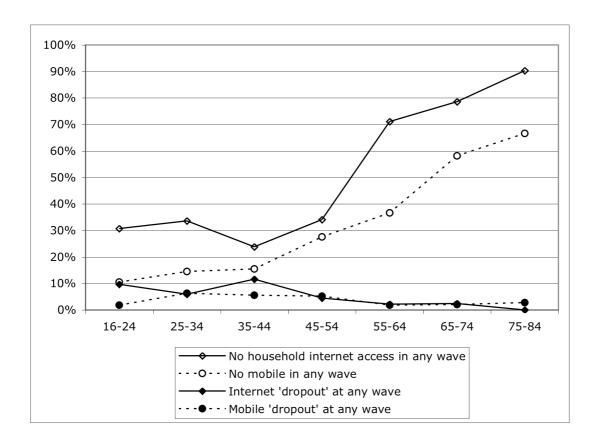


Figure 6: Proportion of age groups who were persistently ICT poor and who were ICT dropouts over three waves of the Home On-Line panel survey. Unweighted, age at wave one (1999).

Table 3: Persistent 'ICT poverty' results – models 1.1 and 1.2

		Model 1			
			rsistent	1.2 Persist	ent Mobile
	<u>Variable (contrast)</u>	Internet Poverty		Poverty	
		В	Exp (B)	В	Exp (B)
	Household type (alone under 56)	Ь	Exp (B)	Ь	Exp (D)
	Alone over 55	2.124*	8.364*	1.494	4.455
	Unrelated others	-3.812	0.022	-1.522	0.218
	Lone parent, children < 16	2.155*	8.625*	0.671	1.957
	Lone parent, child >15	2.563**	12.973**	0.903	2.467
Household	Couple, household 'head' < 36, no child	-0.221	0.802	1.967*	7.146*
level	Couple, household 'head' < 56, no child	0.995	2.705	0.556	1.744
variables at	Couple, respondent > 55, no child	1.989*	7.310*	1.759*	5.805*
wave one	Couple, all children < 12	1.186	3.273	1.739	4.934
wave one	*	0.312	1.366	1.683	5.380
	Couple, at least one child > 11		1.500 14.659 **		4.970
	Couple, at least one child > 15	2.685**	14.059***	1.603	
	Number of cars in home	- 0.839***	0.432***	- 0.736***	0.479***
	Number of people in home	-0.175	0.840	-0.112	0.894
	Household phone bill	-0.003*	0.997*	0.002	1.002
	Gender (female)	0.698*	2.011*	0.557	1.746
	Age (16-24)				
	25-34	0.463	1.589	0.440	1.552
	35-44	0.146	1.157	0.678	1.971
	45-54	-0.649	0.523	1.954*	7.058*
	55-64	0.748	2.112	0.910	2.485
	65-74	0.069	1.071	0.900	2.461
	75+	1.242	3.463	1.945	6.993
	Education (Degree)				
	A level or equiv	0.628	1.874	0.433	1.541
	GCSE or equiv	0.836*	2.306*	0.559	1.749
	Failed GCSE	1.710*	5.531*	0.660	1.935
	None	1.490**	4.436***	0.902*	2.464*
	Working status (working)				
Individual	unemployed	0.586	1.797	-0.786	0.456
level	retired	-0.240	0.787	0.778	2.178
variables at	maternity leave	-6.179	0.002	1.604	4.971
wave one	looking after family/home	-0.449	0.638	0.098	1.103
	full time student/school	-1.833*	0.160*	0.823	2.278
	long term sick/disabled	0.895	2.446	0.927	2.527
	other	-1.425	0.241	-0.244	0.783
	Negative PC attitudes score	0.168***	1.184***	=	
	Size of local social network	0.002	1.002	0.002	1.002
	Size of non-local social network	002	0.998	-0.004	0.996
	Freq. calling local social net			-0.103	0.902
	Freq. Calling non-local social net			0.006	1.006
	'Enjoy speaking on phone' (1-5)			0.180	1.198
	Phone is essential for keeping in touch' (1-5)			0.086	1.089
	Careful of cost' (1-5)			0.088	1.092
	Could spend hours using phone (1-5)			-0.070	0.932
	Only use phone when I need to (1-5)			-0.070 - 0.316 *	0.729*
	Constant	030	.971	-1.102	0.332
	n	482	.711	503	0.334
	Nag. R sq	0.533		0.300	
	11ag. 1 oy	0.555		0.500	

Notes: * = p < 0.05, ** = p < 0.01, *** = p < 0.001

Table 4: 'Dropout results - models 2.1 and 2.2

	Variable (contract)	Model 2 2.1 Internet Dropout		2.2 Mobile Dropout	
	Variable (contrast)	B 2.1 Inte		B 2.2 Mob	
	Household type (alone under 56)	В	Exp (B)	В	Exp (B)
	Alone over 55	-10.201	0.000	-1.527	0.217
	Unrelated others	-9.007	0.000	-2.205	0.110
Household	Lone parent, children < 16	0.472	1.603	-2.663	0.070
level	Lone parent, child >15	-1.099	0.333	8.632	5609.32
variables	Couple, household 'head' < 36, no child	-1.194	0.303	-1.960	0.141
at t1	Couple, household 'head' < 56, no child	-1.722	0.179	6.526	682.73
before	Couple, respondent > 55, no child	-4.939	0.007	6.704	815.50
dropping	Couple, all children < 12	0.230	1.258	7.224	1372.40
out)	Couple, at least one child > 11	1.757	5.792	7.556	1912.29
,	Couple, at least one child > 15	-2.867	0.057		
	Number of cars in home	1.066	2.904	595	.552
	Number of people in home	-0.484	0.616	.786	2.195
	Household phone bill	-0.028	0.972		
	Gender (female)	0.481	1.617	1.467*	4.337*
	Age (16-24)	01.01	1.51.	20.00	
	25-34	-5.452**	0.004**	487	.614
	35-44	-3.630**	0.027**	-2.048	.129
	45-54	-5.454**	0.004**	720	.487
	55-64	-3.563	0.028	-1.453	.234
	65-74	-3.370	0.034	7.924	2763.09
	75+	-9.999	0.000	-1.902	.149
	Education (Degree)				
	A level or equiv	0.021	1.022	-1.644	.193
	GCSE or equiv	-0.696	0.498	603	.547
	Failed GCSE	-13.898	0.000	190	.827
	None	-2.500	0.082	.557	1.745
	Working status (working)				
	unemployed	-0.113	0.893	-7.219	.001
	retired	2.522	12.447	-7.230	.001
Individual	maternity leave	-4.342	0.013		
level	looking after family/home	-0.011	0.989	.399	1.491
variables	full time student/school	-1.333	0.264	-9.715	.000
at t1	long term sick/disabled	-7.137	0.001	-6.395	.002
at t1	Government training scheme	10.193	26708.357		
	Other	-0.113	0.050		
	Personal internet experience (2+ years)				
	Not a user	7.215***	1359.343***		
	Under 6 months	2.407*	11.104*		
	6 months to 2 years	0.695	2.003		
	PC attitudes score	0.019	1.019		
	Number mobile calls made			226	.798
	Size of local social network			002	.998
	Size of non-local social network			005	.995
	Freq. calling local social net			177	.838
	Freq. Calling non-local social net			.515	1.674
	'Enjoy speaking on phone' (1-5)			384	.681
	Phone is essential for keeping in touch' (1-5)			366	.694
	Careful of cost' (1-5)			.532	1.702
	Could spend hours using phone' (1-5)			.531	1.701
	Only use phone when I need to (1-5)			439	.645
Γransition	Employment transition (all others include				
variables	none)				_
t1-t2	Retired from paid work	-4.272	0.014	-12.040	.000
	Returned to work	-0.694	0.500	-8.110	.000
	Started work after education	1.706	5.509	181	.834
	Lost job	-11.146	0.000	-7.188	.001
	Began maternity leave	-2.650	0.071	-7.133	.001
	Family transition (all others including none)				

Household member went to University Was alone, now in couple	-11.620 -4.745	0.000 0.009	.423	1.526
Was couple, now alone	-6.172	0.002	-6.711	.001
Lost access to a PC (1)	15.224	4088333.279		
<u>Constant</u>	030	43.989	-5.154	.006
n	317		461	
Nag. R sq	0.741		0.381	

Notes: * = p < 0.05, ** = p < 0.01, *** = p < 0.001