

















3.	-	Internal migration model	School of Geography FACULTY OF ENVIRONMENT UNIVERSITY OF LEEDS
\checkmark	_		
]	Becai	use there are a huge number of variables invol	ved in internal
1	migra	tion, we will need to simplify things.	
1	We ca	nnot estimate the saturated model:	
	0	$_{432}\mathrm{D}_{432}\mathrm{E}_{16}\mathrm{S}_{2}\mathrm{A}_{102}$	
	We w	ill start with an independence model to get th	e projections
I	under	way:	
	C	$D_{434} + D_{434} + E_{18} + S_2 + A_{102}$	
1	We w	ill then adopt a compromise drawing on other	work (van
]	Imhot	ff et al. 1997, Raymer et al. 2008, Hussain and	l Stillwell
	2008)	such as:	
	A	$S_{102}S_2 + O_{432}D_{432}E_7 + E_{16}$	
;	age-se	ex + origin-age, origin-destination-broad ethn	icity + detailed
(ethnic	bity	

\$ <u>*</u> \$	Survey of internal migration sources	School of Geography FACULTY OF ENVIRONMENT UNIVERSITY OF LEEDS
2001 C Comm Comm Specia Standa Standa Sampl Finney Sampl Englar	Census: issioned tables: ODAS (Stillwell and Dennett) issioned tables: ODEAS (Stillwell and Hussain) issioned tables: AS (Champion) il migration statistics: ODE (Duke-Williams) ard area statistics: O,D es of anonymised records (ISAR): ODEAS (Norman, Stillw y and Simpson) es of anonymised records (SAM): ODEAS and ethnic population estimates	vell & Hussain;
After t Patien Labou Annua	he 2001 census: t Register Data System: OD, OAS, DAS r Force Survey: ODE, ODAS (Raymer and Giulietti, Rayme il Population Survey: ODE, ODAS	er and Smith)
We wi need in	Il use IPF to make the estimates of the internal migration pron n the model	obabilities we









D	ata soi	urces		Sc F/	thool of Geography CULTY OF ENVIRONMENT							
1981 to 2001 for all women												
	• Vital Statistics & Mid Year Estimates (LAs)											
1991 & 2001 by ethnic group												
Census populations & Mid Year Estimates (LAs)												
Samples of Anonymised Records (National)												
1980s to 2008 by ethnic group												
Labour Force Survey (National)												
Labour Force Survey	White	Black	Indian	Pakistani & Bangladeshi	Chinese & Others							
1991 & 2001 Census common	White	Black- Black- Caribbean African	Indian	Pakistani Bangladesh	i Chinese Others							
2001 Census												









































groups, men and women, England, 2001									
Rank	Ethnic group	Mean e ₀	Rank	Ethnic group	Mean e ₀	Ethnic group	Years	Rank	
1	Chinese	82.1	1	Chinese	78.1	Indian	3.8	- 5	
2	Other Ethnic	81.5	2	Other White	76.9	Chinese	4	0	
3	Other White	81.3	3	Other Ethnic	76.2	Pakistani	4.2	1	
4	White British	80.5	4	Black African	76.1	Other Asian	4.3	2	
	All groups	80.5		All group	76	Black African	4.3	1	
5	Black African	80.4	5	White British	75.9	Other White	4.4	1	
6	White-Irish	80.3	6	Indian	75.5	All group	4.5	0	
7	White-Asian	80	7	Other Asian	75.2	White British	4.6	-1	
8	Other Mixed	79.9	8	White-Asian	75.1	Black Caribbean	4.7	1	
9	Other Asian	79.5	9	White-Irish	74.9	White-Asian	4.9	-1	
10	White-Black African	79.5	10	Other Mixed	74.6	Bangladeshi	5	-1	
11	Indian	79.3	11	Black Caribbean	74.4	Other Black	5.1	1	
12	Black Caribbean	79.1	12	White-Black African	74.2	Other Ethnic	5.3	-1	
13	White-Black Caribbean	78.7	13	Other Black	73.4	White-Black African	5.3	-2	
14	Other Black	78.5	14	White-Black Caribbean	73.4	White-Black Caribbean	5.3	-1	
15	Bangladeshi	77.7	15	Pakistani	73.1	Other Mixed	5.3	-2	
16	Pakistani	77.3	16	Bangladeshi	72.7	White-Irish	54	-3	













































	POP 2006	TIM rate	GP Rate	Ratio TIM:GP rate
London	7,512	22.9	25.7	89%
East	5,607	10.7	9.7	110%
ENGLAND	50,763	10.5	11.5	92%
South East	8,238	9.8	11.0	89%
Yorkshire & Humber	5,142	9.5	9.0	106%
East Midlands	4,364	8.4	9.2	91%
South West	5,124	8.4	7.7	108%
North West	6,853	6.3	8.0	79%
West Midlands	5,367	6.2	8.8	70%
North East	2,556	5.7	6.1	93%





TIM -	- Reason profile, 2004-06		Estimation Model 3 & Model 4	
00%	Not stated, 6%	100%	Not stated, 6%	
90%	Other, 12%	90% -	Other, 12%	
30%	Formal study, 26%		Formal study, 26%	
50%	Accompany/join,	50%	Accompany/join,	
30%	Looking for work, 13%	40%	Looking for work, 13%	
20%	Definite job,	20%	Definite job,	
10%	27%	10%	27%	
0%				
			HESA	



	NMGi				School of Geography FACULTY OF ENVIRONMENT UNIVERSITY O
	West Midl	ands		Yorkshire &	The Humber
WM1	Birmingham +	Birmingham Bromsgrove Dudley Lichfield NorthWarwickshire Sandwell	YH1	Hull/York +	EastRidingofYorkshire KingstonuponHull; NorthEastLincoInshire NorthLincoInshire Selby York
		Solihull Tamworth Walsall	YH2	Leeds/Bradf/Harrogate +	Bradford Calderdale Craven
WM2	Staffs/Shrops/Wolv +	Bridgnorth CannockChase EastStaffordshire Newcastle-under-Lyme NorthShropshire Oswestry			Hambleton Harrogate Leeds Richmondshire Ryedale Scarborough
		ShrewsburyandAtcham SouthShropshire SouthStaffordshire Stafford StaffordshireMoorlands Stoke-on-Trent	ҮНЗ	Sheffield/Kirklees +	Barnsley Doncaster Kirklees Rotherham Sheffield Wakefield
W/M3	Heref/Worce/Warwke +	TelfordandWrekin Wolverhampton	-		
		NalvemHills Reddlich Stratford-on-Avon Warwick Worcester Wychavon WyreForest			
WM4	Coventry +	Coventry NuneatonandBedworth Rugby			















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