

**Appendix 5** Geographical variation in the pattern of equity in access to knee replacement, in different socio-demographic groups, across districts in England. Top 5 highest and lowest rate ratios. [posted as supplied by author]

Five Lowest Rate-Ratios		Five Highest Rate-Ratios	
District	Adjusted Rate ratio (95%CI)	District	Adjusted Rate Ratio (95%CI)
<b>Age groups:</b>			
<i>Age 60-69 vs. 50-59</i>			
Lambeth (00AY)	2.42 (1.80 to 3.23)	South Kesteven (32UG)	5.01 (3.79 to 6.65)
Camden (00AG)	2.62 (1.89 to 3.57)	Aylesbury Vale (11UB)	5.08 (3.80 to 6.79)
Birmingham (00CN)	2.67 (2.25 to 3.16)	Bracknell Forest (00MA)	5.13 (3.72 to 7.11)
Wirral (00CB)	2.82 (2.15 to 3.65)	Sutton (00BF)	5.16 (3.88 to 6.81)
North Norfolk (33UF)	2.83 (2.09 to 3.80)	South Gloucestershire (00HD)	5.46 (4.24 to 7.01)
<i>Age 70-79 vs. 50-59</i>			
Herefordshire, County of (00GA)	4.17 (3.67 to 4.50)	Hounslow (00AT)	4.34 (4.01 to 4.86)
Cotswold (23UC)	4.17 (3.70 to 4.52)	Islington (00AU)	4.34 (4.00 to 4.88)
Wealden (21UH)	4.17 (3.70 to 4.51)	Birmingham (00CN)	4.34 (4.04 to 4.85)
Medway (00LC)	4.18 (3.70 to 4.53)	Wokingham (00MF)	4.35 (4.03 to 4.92)
Huntingdonshire (12UE)	4.18 (3.72 to 4.53)	Bromley (00AF)	4.36 (4.04 to 4.91)
<i>Age 80-84 vs. 50-59</i>			
Harrogate (36UD)	2.34 (1.78 to 2.89)	Plymouth (00HG)	2.94 (2.37 to 3.85)
North Hertfordshire (26UF)	2.36 (1.76 to 2.93)	Nottingham (00FY)	2.94 (2.39 to 3.80)
Sheffield (00CG)	2.36 (1.84 to 2.88)	Redditch (47UD)	2.94 (2.36 to 3.87)
Ellesmere Port & Neston (13UE)	2.41 (1.79 to 3.02)	Lambeth (00AY)	2.96 (2.39 to 3.89)
Macclesfield (13UG)	2.41 (1.85 to 2.99)	Camden (00AG)	3.00 (2.40 to 4.03)
<i>Age 85+ vs. 50-59</i>			
New Forest (24UJ)	0.66 (0.41 to 0.98)	Exeter (18UC)	1.12 (0.75 to 1.78)
West Dorset (19UH)	0.70 (0.43 to 1.06)	Newham (00BB)	1.14 (0.73 to 1.88)
North Devon (18UE)	0.71 (0.42 to 1.09)	Nuneaton and Bedworth (44UC)	1.16 (0.76 to 1.89)
Chelmsford (22UF)	0.71 (0.43 to 1.08)	Harrogate (36UD)	1.16 (0.79 to 1.78)
Barnsley (00CC)	0.71 (0.44 to 1.06)	Hart (24UG)	1.19 (0.76 to 2.01)
<b>Sex (Male vs. Female):</b>			
Lambeth (00AY)	1.02 (0.80 to 1.29)	Mansfield (37UF)	1.61 (1.28 to 2.04)
Manchester (00BN)	1.02 (0.82 to 1.27)	North East Derbyshire (17UJ)	1.63 (1.29 to 2.08)
Birmingham (00CN)	1.03 (0.89 to 1.19)	Allerdale (16UB)	1.66 (1.31 to 2.13)
Waltham Forest (00BH)	1.03 (0.80 to 1.31)	Stratford-on-Avon (44UE)	1.67 (1.31 to 2.13)
Wandsworth (00BJ)	1.04 (0.82 to 1.32)	Wansbeck (35UG)	1.69 (1.32 to 2.20)
<b>Index of Multiple Deprivation 2004:</b>			
<i>2 vs. Least deprived</i>			
Sedgemoor (40UC)	0.71 (0.60 to 0.80)	Bedford (09UD)	0.77 (0.69 to 0.92)
South Hams (18UG)	0.71 (0.60 to 0.80)	Solihull (00CT)	0.77 (0.69 to 0.91)
Redbridge (00BC)	0.72 (0.61 to 0.80)	South Gloucestershire (00HD)	0.77 (0.69 to 0.90)
Staffordshire Moorlands (41UH)	0.72 (0.61 to 0.80)	Leeds (00DA)	0.78 (0.70 to 0.91)

Bristol, City of (00HB)	0.72 (0.61 to 0.81)	Harrogate (36UD)	0.78 (0.69 to 0.92)
<i>3 vs. Least deprived</i>			
West Dorset (19UH)	0.65 (0.59 to 0.69)	Tynedale (35UF)	0.66 (0.62 to 0.72)
Westminster (00BK)	0.65 (0.59 to 0.69)	Wolverhampton (00CW)	0.66 (0.62 to 0.71)
King's Lynn and West Norfolk (33UE)	0.65 (0.59 to 0.69)	Chichester (45UD)	0.66 (0.62 to 0.72)
Torrige (18UK)	0.65 (0.59 to 0.69)	Trafford (00BU)	0.66 (0.62 to 0.72)
Harrogate (36UD)	0.65 (0.60 to 0.69)	North Devon (18UE)	0.66 (0.62 to 0.72)
<i>4 vs. Least deprived</i>			
Bradford (00CX)	0.41 (0.34 to 0.46)	Harlow (22UJ)	0.45 (0.40 to 0.54)
Coventry (00CQ)	0.41 (0.34 to 0.46)	Nuneaton and Bedworth (44UC)	0.45 (0.40 to 0.54)
Wolverhampton (00CW)	0.41 (0.34 to 0.46)	South Derbyshire (17UK)	0.45 (0.40 to 0.54)
Trafford (00BU)	0.41 (0.34 to 0.46)	Chesterfield (17UD)	0.45 (0.40 to 0.54)
Penwith (15UF)	0.41 (0.34 to 0.47)	Hillingdon (00AS)	0.45 (0.40 to 0.54)
<i>Most vs. Least deprived</i>			
Stoke-on-Trent (00GL)	0.31 (0.25 to 0.35)	Mansfield (37UF)	0.34 (0.30 to 0.40)
Redcar and Cleveland (00EE)	0.31 (0.26 to 0.35)	East Lindsey (32UC)	0.34 (0.30 to 0.40)
Knowsley (00BX)	0.31 (0.26 to 0.35)	Hartlepool (00EB)	0.34 (0.30 to 0.41)
Blyth Valley (35UD)	0.31 (0.26 to 0.36)	Bristol, City of (00HB)	0.35 (0.31 to 0.41)
Peterborough (00JA)	0.32 (0.26 to 0.36)	Birmingham (00CN)	0.35 (0.31 to 0.40)

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#### **Rurality:**

##### *Town & Fringe vs. Urban*

Vale Royal (13UH)	0.72 (0.59 to 0.81)	Wansbeck (35UG)	0.78 (0.70 to 0.93)
King's Lynn and West Norfolk (33UE)	0.73 (0.60 to 0.81)	Mansfield (37UF)	0.78 (0.70 to 0.93)
South Derbyshire (17UK)	0.74 (0.61 to 0.82)	Winchester (24UP)	0.79 (0.70 to 0.94)
North Wiltshire (46UC)	0.74 (0.62 to 0.83)	Chichester (45UD)	0.79 (0.71 to 0.94)
Charnwood (31UC)	0.74 (0.63 to 0.84)	Newark and Sherwood (37UG)	0.79 (0.71 to 0.94)

##### *Village/Isolated vs. Urban*

Chichester (45UD)	0.86 (0.67 to 0.98)	Forest of Dean (23UD)	0.96 (0.84 to 1.18)
St Edmundsbury (42UF)	0.88 (0.71 to 1.01)	Rugby (44UD)	0.97 (0.85 to 1.20)
Torrige (18UK)	0.88 (0.71 to 1.01)	North East Derbyshire (17UJ)	0.97 (0.85 to 1.21)
South Hams (18UG)	0.88 (0.71 to 1.01)	Shrewsbury and Atcham (39UE)	0.98 (0.85 to 1.23)
North Cornwall (15UE)	0.88 (0.71 to 1.01)	Lancaster (30UH)	0.99 (0.86 to 1.26)

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#### **Ethnic mix of area ( Non-White vs. White)**

Kensington and Chelsea (00AW)	1.00 (0.87 to 1.10)	Birmingham (00CN)	1.07 (0.97 to 1.23)
Bath and North East Somerset (00HA)	1.01 (0.88 to 1.10)	Gosport (24UF)	1.07 (0.97 to 1.24)
Stoke-on-Trent (00GL)	1.01 (0.87 to 1.10)	New Forest (24UJ)	1.07 (0.98 to 1.23)
Blackpool (00EY)	1.01 (0.88 to 1.10)	Solihull (00CT)	1.07 (0.98 to 1.25)
Barnet (00AC)	1.01 (0.88 to 1.11)	Barnsley (00CC)	1.07 (0.98 to 1.24)

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