

A comparison of patient demographic information for Scotland with England and Wales for hip and knee arthroplasty

NJR Data

- The NJR data presented is based on 9 months of data (April - December 2003).
- Around 80% of all NHS Trusts, Independent Hospitals and Treatment centres in England and Wales are participating in the NJR.
- The data presented includes all patients undergoing hip and knee arthroplasties entered into the NJR who consented to person identifying details being collected.
- In the 9 months, 59, 446 operations were expected to have been performed in the Trusts participating in the NJR. 51.3% of this number (46, 798) were entered into the NJR. 29, 188 (62.8%) consented to having personal data collected (this includes data of birth). This means that data presented represent 31% of hip and knee procedures carried out in the participating NHS Trusts, Independent Hospitals and Treatment centres in England and Wales.

SAP Data

- The SAP data are extracted from the SMR01 database for the financial year 2002 – 2003. This comprises all the hip and knee arthroplasties carried out in Scotland in the NHS during this year.
- The SMR01 database is 100% complete for 2002/03 orthopaedic records at the time the data was extracted from the database.
- The SMR01 database does not record hip and knee arthroplasties undertaken privately, and does not contain an accurate record of operations carried out in private hospitals but paid for by the NHS as part of the waiting times initiative. This is estimated to be around 20 –25% of all hip and knee arthroplasties carried out in Scotland.

Table 1 - gender distribution

operation	gender	percentage	
		SAP	NJR
Hip arthroplasty	male	37.7	40.5
	female	62.3	59.5
Hip resurfacing	male	68.1	65.6
	female	31.9	34.4
Hip revision	male	41.7	46.6
	female	58.3	53.4
Knee arthroplasty	male	42.9	43.7
	female	57.1	56.3
Knee revision	male	49.0	51.4
	female	51.0	48.6

Table 2 – age distribution

operation	Mean age	Std. Deviation
Hip arthroplasty		
SAP	67.5	11.1
NJR	68.0	11.3
Hip resurfacing		
SAP	50.0	8.3
NJR	54.0	9.3
Hip revision		
SAP	70.4	12.0
NJR	70.4	11.4
Knee arthroplasty		
SAP	69.2	9.1
NJR	70.6	9.2
Knee revision		
SAP	69.5	9.3
NJR	70.6	9.9