Bone & Joint Open

Supplementary Material

Table i. Data fields and definitions applied during the interrogation of the database.

Data fields	Definitions
Case ID	Identifier for each UKA/TKA case
Admission week	Calendar week the patient's admission was performed
Admission month	Calendar month the admission was performed
Admission date	Date of the admission to the hospital
Discharge date	Date of discharge from the hospital
Admission method	Binary flag indicating whether the admission was performed through a waiting list or via Accident and Emergency Department
Discharge destination	Disposition of patient at discharge (e.g. usual residence, NHS Hospital, Temporary place etc.)
LOS (days)	Number of midnights between indexed admission and the discharge date
LOS (hours)	Number of hours between indexed admission and the discharge date
Readmission flag	Binary flag indicating readmission within 30 days from discharge
PACU ward	Binary flag indicating admission to PACU ward
PACU LOS	Number of midnights between indexed admission and discharge date from PACU
Procedure group	Binary flag indicating whether robotic-arm assistance or conventional technique was used
ASA	Patient's ASA physical status
BMI	Patient's BMI
Sex	Patient's sex
Age	Patient's age
Anaesthesia type	Binary flag indicating whether spinal or general anaesthesia was used
Laterality	Flag indicating right, left, or bilateral procedure
Postcode	Patient's postcode (this was later utilised to calculate the index of multiple deprivation according to the tool provided by the Ministry of Housing, Communities & Local Government.[1]

ASA, American Society of Anesthesiologists; LOS, length of stay; PACU, post anaesthesia care unit; TKA, total knee arthroplasty; UKA, unicompartmental knee arthroplasty.

Table ii. Correlation among length of stay, age, and sex among patients undergoing total knee arthroplasty.

Variable	Length of stay (days)	Length of stay (hours)
Length of stay (days)		0.983 (p < 0.001)* 0.999 (p < 0.001)†
Length of stay (hours)	0.983 (p < 0.001)* 0.999 (p < 0.001)†	
Age	0.184 (p < 0.001) * 0.153 (p < 0.001)†	0.185 (p < 0.001)* 0.153 (p < 0.001)†
BMI	0.072 (p = 0.009)* 0.032 (p = 0.247)†	0.071 (p = 0.010)* 0.032 (p = 0.245)†

*Spearman correlation coefficient.
†Pearson correlation coefficient.

Table iii. Correlation among length of stay, age, and sex among patients undergoing unicompartmental knee arthroplasty.

Variable	Length of stay (days)	Length of stay (hours)
Length of stay (days)		0.966 (p < 0.001)* 0.996 (p < 0.001)†
Length of stay (hours)	0.966 (p < 0.001)* 0.996 (p < 0.001)†	
Age	0.178 (p = 0.001)* 0.183 (p < 0.001)†	0.169 (p = 0.002)* 0.180 (p < 0.001)†
BMI	0.094 (p = 0.092)* 0.135 (p = 0.015)†	0.095 (p = 0.091)* 0.137 (p = 0.014)†

*Spearman correlation coefficient.
†Pearson correlation coefficient.

References

1. **No authors listed**. English indices of deprivation 2019. Ministry of Housing, Communities & Local Government. 2019. https://imd-by-postcode.opendatacommunities.org/imd/2019 (date last accessed 19 September 2023).