

Date of Report: 10/04/2024

FOI -REQ205 Hip Arthroplasty Peri-Prosthetic Fractures

Questions	Notes/Comments	Response		
		Year	Total Incidence	% of Incidence
<p>1. The trust specific statistics for the last 5 years detailing both the total number and percentage incidence of peri-prosthetic fractures which occurred during total hip arthroplasty surgeries.</p>	<p>Provided are the total number of inpatient spells of patients who were discharged from MKUH between the 1st of January 2019 and the 31st of December 2023, with a diagnosis (identified using ICD10 codes found below) for peri-prosthetic fractures which occurred during hip arthroplasty surgery (identified by given OPCS4 codes), assigned to their inpatient spell in any order. We have also provided the percentage and the number of incidence comparing to the number of total hip arthroplasty surgeries performed (identified using OPCS codes found in codes tab) during the above period.</p>	2019	9	4%
		2020	2	2%
		2021	3	2%
		2022	1	1%
		2023	2	1%
		Total	17	10%
<p>2. In addition, please provide details of the number of peri-prosthetic fractures which occurred during total hip replacement surgeries in the last 5 years that were identified (a) during surgery and (b) after surgery on post-operative imaging.</p>	<p>Provided are the total number of inpatient spells of patients who were discharged from MKUH between the 1st of January 2019 and the 31st of December 2023, with a diagnosis (identified using ICD10 codes found below) for peri-prosthetic fractures which occurred during hip arthroplasty surgery (identified by given OPCS4 codes), This has been classified into incidence occurred 'During Surgery' and 'After Surgery' on post operative imaging (identified using ICD10 codes found below), assigned to their inpatient spell in any order.</p>			
		Year	During Surgery	Post Surgery
		2019	2	7
		2020	0	2
		2021	1	2
		2022	1	0
		2023	1	1
Total	5	12		
<p>3. In addition, please provide details of the number of patients discharged post total hip arthroplasty surgery in the last 5 years with peri-prosthetic fractures that were only identified post discharge from the Trust's care or on representation to the Trust</p>	<p>We are unable to answer this question as we do not collect or code data in relation to patients post discharge from the Trust.</p>			

Question 1 and 2

Code	Description
S720	Fracture of neck of femur
S721	Pertrochanteric fracture
S722	Subtrochanteric fracture
S723	Fracture of shaft of femur
S724	Fracture of lower end of femur
S727	Multiple fractures of femur
S728	Fractures of other parts of femur
S729	Fracture of femur, part unspecified

Followed By

Y658	Other specified misadventures during surgical and medical care
Y792	Orthopaedic devices associated with adverse incidents: Prosthetic and other implants, materials and accessory devices
Y831	Surgical operation with implant of artificial internal device as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Total Hip Arthroplasty Codes (OPCS4 Codes)

W371	Primary total prosthetic replacement of hip joint using cement
W381	Primary total prosthetic replacement of hip joint not using cement
W391	Primary total prosthetic replacement of hip joint NEC
W931	Primary hybrid prosthetic replacement of hip joint using cemented acetabular component
W941	Primary hybrid prosthetic replacement of hip joint using cemented femoral component
W951	Primary hybrid prosthetic replacement of hip joint using cement NEC

Question 3

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