

## DUQUE DATA COLLECTION FOR ACUTE HIP FRACTURE

### Definitions

**Hip-fracture** A hip fracture is a femoral fracture that occurs in the proximal end of the femur, near the hip joint.

### Diagnostic criteria

Patients aged 65+ fulfilling at least one of the following three primary diagnostic criteria are included:

- fractura colli femoris (ICD-10; S72.0 or ICD-9; 8200-1 )
- fractura pertrochanterica (ICD-10; S72.1 or ICD-9; 8202-3)
- fractura subtrochanterica femoris (ICD-10; S72.2 or ICD-9; 8208-9)

### Identifying medical records from patients for inclusions in the DUQuE study

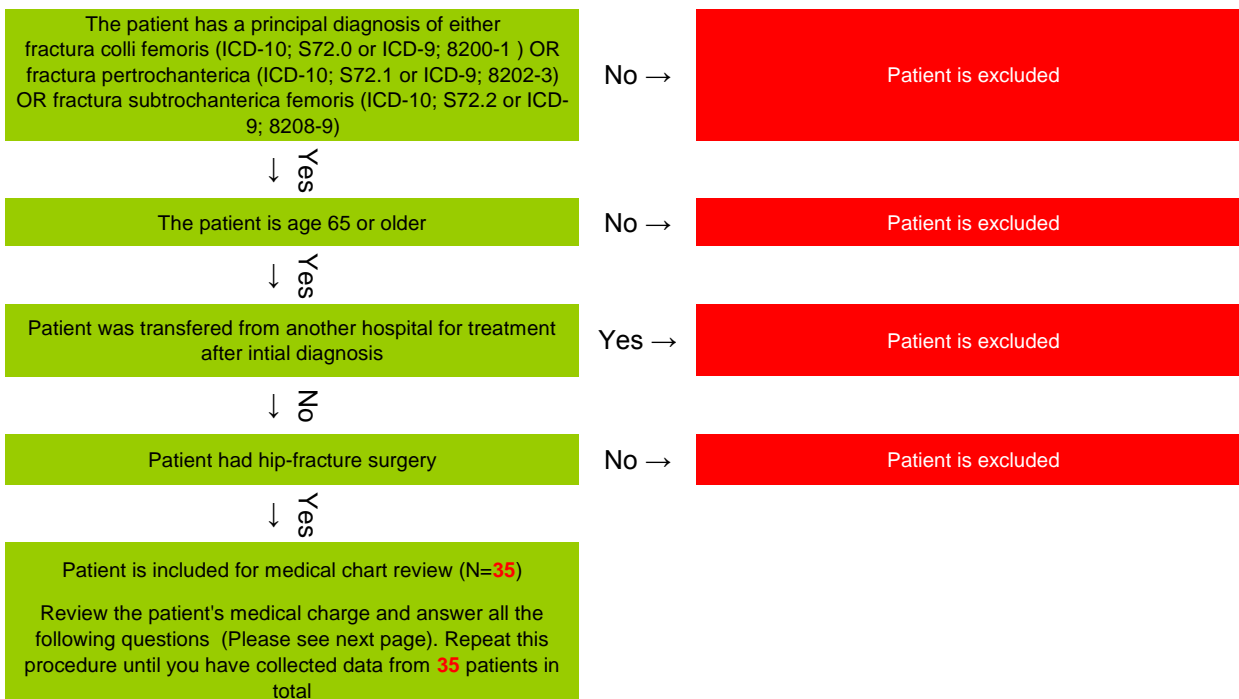
#### Precondition

Patients having acute hip fracture represent a large proportion of acute admissions, should be fairly easy to identify. Please follow the guide below carefully to ensure consecutive inclusion of 30 acute hip-fracture patients according to the specified inclusion and exclusion criteria, and the overall scientific soundness of the DUQuE study. Thank you!

Identify all patients age 65 years or older who were discharged from the hospital with a principal diagnosis of fractura colli femoris (ICD-10; S72.0 or ICD-9; 8200-1 ) OR fractura pertrochanterica (ICD-10; S72.1 or ICD-9; 8202-3) OR fractura subtrochanterica femoris (ICD-10; S72.2 or ICD-9; 8208-9)

Review the most recent admissions first and make your way backwards in time

Find the patients medical record, go through each of the patients medical record and answer the questions. Keep going until you have **35** patients included in total. Please see the "Manual for chart reviewers" for more information on patient sampling.



DUQUE DATA COLLECTION SHEET FOR HIP FRACTURE				
Field Number	Field Prompt	Answer categories	Definition and notes	Guidance for answering
<b>K01 COUNTRY AND HOSPITAL INFORMATION</b>				
K0101	Country	Country: please specify the country below		Fill in a number from 0-7
		1 Czech Republic 2 England 3 France 4 Germany 5 Poland 6 Portugal 7 Spain 8 Turkey		
K0102	Hospital Name	Please specify the hospital name		Name of hospital
		Text	Name of hospital	
Field Number	Field Prompt	Answer categories	Definition and notes	Guidance for answering
<b>K02 PATIENT DEMOGRAPHY</b>				
K0201	Patient date of birth	Please specify the patient's date of birth		Fill in exact date or fill in "9"
		DD-MM-YYYY 9 Not specified	Date of birth (DD-MM-YYYY)	
K0202	Patient gender	Please specify the gender of the patient		Fill in 0, 1 or 9
		0 Male 1 Female 9 Not specified		
<b>K03 ADMISSION</b>				
K0301	Date and time of fracture	The date and time of fracture		Fill in exact date OR "9" Fill in exact time OR "99"
		DD-MM-YYYY 9 Date not specified	Date (DD:MM:YYYY)	
		HH:MM 99 Time not specified	Time (HH:MM)	
K0302	Date and time of admission to the hospital	This field should be completed - all patients should have an admission date and time. This refers to when the patient was first admitted to you hospital. Even if precise times are unknown/ not specified, you should enter the date of admission to hospital.		Fill in exact date OR "9" Fill in exact time OR "99"
		DD-MM-YYYY 9 Date not specified	Date (DD:MM:YYYY)	
		HH:MM 99 Time not specified	Time (HH:MM)	
K0303	Admission ward	Where did the patient spend the majority of the first 24 hour in hospital? The purpose of this question is to determine where immediate care took place. Refers to the unit to which the patient is admitted either from the Accident and Emergency (A&E) ward or directly by ambulance service.		

Patient id

01

01

DUQUE DATA COLLECTION SHEET FOR HIP FRACTURE					
Field Number	Field Prompt	Answer categories	Definition and notes	Guidance for answering	
		0 1 2 3 4 9	Acute admissions unit Orthopaedic surgery unit Rehabilitation / therapy OR geriatric unit / bed; A facility normally used primarily for patients after initial care of hip-fracture patient, and is not the usual place of care for acute hip-fracture patients, this also includes a geriatric unit / bed Other ward; To record patients admitted to any other wards (Intensive Care Unit, Critical Care Unit OR High Dependency Unit) OR who had a hip-fracture while already in hospital. The patient spend the majority of the first 24 hours in an A&E department or an observation ward Not specified OR Patient died in the A&E department with in the first 24 hours	Fill in a number from 0-4 OR 9	
<b>K0304</b>	Pressure ulcer at admission		<b>Does the patient have any validated diagnosis of pressure ulcer?</b>		
		0 1 9	No Yes Not specified	Fill in 0, 1 or 9	
<b>K04 PATIENT HISTORY</b>					<b>01</b>
<b>K0401</b>	Previous AMI		<b>Any previously validated episode of acute myocardial infarction?</b>		
		0 1 9	No Yes Not specified	Fill in 0, 1 or 9	
<b>K0402</b>	Previous angina		<b>Any symptoms due to cardiac ischemia developing or already in existence at least two weeks prior to admission, and continuing up to admission?</b>		
		0 1 9	No Yes Not specified	Fill in 0, 1 or 9	
<b>K0403</b>	Previous heart failure		<b>Any previously validated diagnosis of heart failure on any therapeutic regime?</b>		
		0 1 9	No Yes Not specified	Fill in 0, 1 or 9	
<b>K0404</b>	Hypertension		<b>Is the patient already receiving treatment (drug, dietary or lifestyle) for hypertension or with recorded BP &gt; 140/80 on at least two occasions prior to admission?</b>		
		0 1 9	No Yes Not specified	Fill in 0, 1 or 9	
<b>K0405</b>	Hypercholesterolaemia		<b>Does the patient have an elevation of serum cholesterol requiring dietary or drug treatment?</b>		
		0 1 9	No Yes Not specified	Fill in 0, 1 or 9	
<b>K0406</b>	Peripheral vascular disease		<b>Does the patient show presence of peripheral vascular disease, either presently symptomatic or previously treated by intervention or surgery?. Include known renovascular disease and aortic aneurysm.</b>		
		0 1 9	No Yes Not specified	Fill in 0, 1 or 9	

DUQUE DATA COLLECTION SHEET FOR HIP FRACTURE					
Field Number	Field Prompt	Answer categories	Definition and notes	Guidance for answering	
K0407	Cerebrovascular disease		Does the patient have a history of cerebrovascular ischemia? To include transient cerebral ischemic episodes as well as events with deficit lasting >24 hours.		
		0 No 1 Yes 9 Not specified		Fill in 0, 1 or 9	
K0408	Asthma or COPD		Any form of obstructive airways disease?		
		0 No 1 Yes 9 Not specified		Fill in 0, 1 or 9	
K0409	Chronic renal failure		Is the creatinine chronically >200 micro mol/L?		
		0 No 1 Yes 9 Not specified		Fill in 0, 1 or 9	
K0410	Liver disease		Any validated diagnosis of liver disease?		
		0 No 1 Yes 9 Not specified		Fill in 0, 1 or 9	
K0411	Cancer		Any validated diagnosis of cancer disease?		
		0 No 1 Yes 9 Not specified		Fill in 0, 1 or 9	
K0412	Dementia		Any validated diagnosis of dementia?		
		0 No 1 Yes 9 Not specified		Fill in 0, 1 or 9	
K0413	Diabetes		Please specify the patient's status and treatment regarding know diabetes prior to this admission		
		0 A patient not known to be diabetic at the time of admission. 1 Diabetic not receiving insulin or oral medication. 2 Diabetic receiving oral medication prior to admission. 3 Diabetic receiving insulin without additional oral medication. 5 Diabetic receiving insulin and oral medication prior to admission. 9 Not specified		Fill in a number from 0-5 OR 9	
<b>K05 SURGERY, MOBILISATION &amp; MEDICATION</b>					<b>01</b>
K0501	Date and time of hip fracture surgery - Incision		The time of <u>incision</u> for hip-fracture surgery, this should be recorded		
		DD-MM-YYYY	Date (DD:MM:YYYY)	Fill in exact date OR "9"	
		9	Date not specified		
	HH:MM	Time (HH:MM)	Fill in exact time OR "99"		
99	Time not specified				
K0502	Date and time of hip fracture surgery - Termination		The time of hip-fracture surgery <u>termination (end of surgery)</u> , this should be recorded		
		DD-MM-YYYY	Date (DD:MM:YYYY)	Fill in exact date OR "9"	
		9	Date not specified		
	HH:MM	Time (HH:MM)	Fill in exact time OR "99"		
99	Time not specified				

DUQUE DATA COLLECTION SHEET FOR HIP FRACTURE							
Field Number	Field Prompt	Answer categories	Definition and notes	Guidance for answering			
K0503	Date and time of mobilisation after surgery	The time of onset of mobilisation post surgery, this should be recorded		Fill in exact date and time OR if this is not available fill in "0" or "9"			
		DD-MM-YYYY	Date (DD:MM:YYYY)				
		HH:MM	Time (HH:MM)				
		0	Exact time not specified but within the first 24 hours after surgery				
		9	Date AND OR time not specified				
K0504	Mobilisation after surgery - The patient gets out of bed	This refers to mobilisation performed post hip fracture surgery in your hospital. The patient must get out of bed assisted or unassisted either sitting, standing or walking.		Fill in a a number from 0-3 OR 9			
		0	Patient was not mobilised (Including patient declined mobilisation)				
		1	Patient was unassisted when mobilised				
		2	Patient was assisted when mobilised				
		3	Mobilised, but not know if assisted or not				
		9	Patient declined mobilisation				
			Not specified				
K0505	In-hospital antibiotic prophylaxis (Perioperative antibiotics)	Secondary prevention using antibiotics (perioperative antibiotics)		Fill in a number from 0-2 OR 9			
		0	Yes, secondary prevention using antibiotics initiated				
		1	No secondary prevention using antibiotics				
		2	For patients who die or are transferred to another hospital				
		9	Not specified				
K0506	Date and time of antibiotic prophylaxis	If you answered yes (=0) to the above question, please state the time of onset of perioperative antibiotics		Fill in exact date and time OR if this is not available fill in "0" or "9"			
		DD-MM-YYYY	Date (DD:MM:YYYY)				
		HH:MM	Time (HH:MM)				
		0	Exact time not specified but prior to hip fracture surgery				
		9	Date AND / OR time not specified				
K0507	In-hospital thromboembolic prophylaxis	This refers to prophylactic thromboembolic treatment given in your hospital.		Fill in 0, 1 or 9			
		0	Thromboembolic treatment was given				
		1	Thromboembolic treatment was NOT given				
				9	Not specified		
		Please specify the kind of thrombolytic prophylaxis		Fill in a number from 0-3 OR 9			
		0	Unfractionated heparin (UFH)				
1	Low molecular weight heparin (LMWH)						
		2	Fondaparinux (Synthetic pentasaccharine anticoagulant)				
		3	Mechanical prophylaxis e.g. foot pumps with cyclic sequential compression and arterial venous foot impulse systems				
		9	Not specified				
K0508	Date and time of thromboembolic prophylaxis	The time of onset of thromboembolic prophylaxis		Fill in exact date OR "9"			
		DD-MM-YYYY	Date (DD:MM:YYYY)				
				9	Date not specified		
				HH:MM	Time (HH:MM)	Fill in exact time OR "99"	
		99	Time not specified				
<b>K06 DISCHARGE - DEATH</b>					<b>01</b>		
K0601	Date of discharge from hospital OR death	Discharge date should be completed for all patients, discharge date includes date of transfer to another hospital. If the patients is transferred to another hospital for the day e.g. for treatment, the patient is not regarded as discharged. Date of death should ONLY be completed if the patient died while in hospital.		Fill in exact date OR "9"			
		DD-MM-YYYY	Date of discharge (DD:MM:YYYY)				
					9	Date of discharge not specified	
		DD-MM-YYYY	Date of death (DD:MM:YYYY)		Fill in exact time OR "99"		
		99	Date of death not specified				