

Supplementary data

Table 4. Reasons for readmissions within 42 days in Hospital A before and after fast-track implementation given as numbers of readmissions and percentage of THRs during the 2 2-year study periods

ICD-10		2009–2010		2012–2013	
		n	%	n	%
A415	Sepsis due to other gram-negative organisms			2	0.5
E871	Hypo-osmolality and hyponatremia			1	0.2
F3210	Major depressive disorder, single episode	1	0.2		
I48	Atrial fibrillation and flutter	1	0.2		
I20.1	Angina pectoris with documented spasm			1	0.2
I50.0	Heart failure	1	0.2		
I50.9	Heart failure, unspecified	1	0.2	1	0.2
J18.9	Pneumonia, unspecified organism	2	0.4		
K55.0	Acute vascular disorders of intestine			1	0.2
K92.2	Gastrointestinal hemorrhage, unspecified			1	0.2
M16.0	Bilateral primary osteoarthritis of hip	1	0.2		
M16.1	Unilateral primary osteoarthritis of hip	1	0.2	2	0.5
M96.6	Fracture of bone following insertion of orthopedic implant, joint prosthesis, or bone plate	1	0.2		
N10	Acute pyelonephritis	1	0.2	1	0.2
N81.6	Rectocele			1	0.2
R06.0	Dyspnea			1	0.2
R07.4	Chest pain, unspecified			1	0.2
R10.4	Unspecified abdominal pain			1	0.2
R60.0	Localized edema	1	0.2		
S72.1	Pertrochanteric fracture	1	0.2		
S72.3	Fracture of shaft of femur	1	0.2		
S72.4	Fracture of lower end of femur			1	0.2
T81.0	Unspecified open wound, knee			2	0.5
T81.3	Disruption of wound, unspecified			1	0.2
T81.4	Infection following a procedure	1	0.2	6	1.4
T84.0	Mechanical complication of internal joint prosthesis			9	2.1
T84.5	Infection and inflammatory reaction due to unspecified internal joint prosthesis			3	0.7
T84.8	Other specified complications of internal orthopedic prosthetic devices, implants, and grafts			1	0.2
Z01.8	Encounter for other specified special examinations	1	0.2		

Appendix 1. Exclusion criteria (ICD-10 diagnosis)

S72.0	Fracture of neck of femur
S72.1	Pertrochanteric fracture of femur
S72.2	Subtrochanteric fracture of femur
M19.1	Juvenile osteochondrosis of head of femur (Legg–Calvé–Perthes)
M93.0	Slipped upper femoral epiphysis (nontraumatic)
S32.4	Fracture of acetabulum
M45.*	Ankylosing spondylitis
Q65.*	Luxatio coxae congenitae
M16.4	Post-traumatic coxarthrosis
M16.5	Other post-traumatic coxarthrosis
M16.6	Other secondary coxarthrosis, bilateral
M16.7	Other secondary coxarthrosis
M16.9	Coxarthrosis, unspecified
M87.*	Osteonecrosis
M00.*	Pyogenic arthritis
M05.*	Seropositive rheumatoid arthritis
M06.*	Other rheumatoid arthritis
M07.*	Psoriatic and enteropathic arthropathies
M08.*	Juvenile arthritis
D66	Hereditary factor VIII deficiency
D67	Hereditary factor IX deficiency
D68	Other coagulation defects
M36.2	Hemophilic arthropathy
Q77	Osteochondrodysplastic with defects of growth of tubular bones and spine
Q78	Other osteochondrodysplasias
Q79	Congenital malformations of the musculoskeletal system, not elsewhere classified

Appendix 2. Comorbid diseases used in the adjustment of the study population

Hypertension	(ICD-10: I10*–I15*, ICD-9: 40*, entitlement to reimbursement from Social Insurance Institution: 205, use and cost of drugs ATC: C03*, C07* (if there is no coronary disease or atrial fibrillation), C09A*, C09B*, C09C*, C09D*, C08*)
Coronary disease	(ICD-10: I20*–I25*, ICD-9: 410*–414*, entitlement to reimbursement from Social Insurance Institution: 206, 213, 280)
Atrial fibrillation	(ICD-10: I48*, ICD-9: 4273*, entitlement to reimbursement from Social Insurance Institution: 207, use and cost of drugs ATC: B01AA03)
Heart insufficiency	(ICD-10: I50*, ICD-9: 428*, entitlement to reimbursement from Social Insurance Institution: 201)
Diabetes	(ICD-10: E10*–E14*, ICD-9: 250*, entitlement to reimbursement from Social Insurance Institution: 103 use and cost of drugs ATC-DDD: A10A*, A10B*)
Cancer	(ICD-10: C00*–C99*, D00*–D09*, ICD-9: 140*–208*, entitlement to reimbursement from Social Insurance Institution: 115, 116, 117, 128, 130, 180, 184, 185, 189, 311, 312, 316, use and cost of drugs ATC L01* except L01BA01)
COPD and asthma	(ICD-10: J44*–J46*, ICD-9: 4912*, 496*, 493*, entitlement to reimbursement from Social Insurance Institution: 203, use and cost of drugs ATC: R03*)
Depression	(ICD-10: F32*–F34*, ICD-9: 2960*, 2961*, 2069*, use and cost of drugs ATC: N06A*)
Parkinson's disease	(ICD-10: G20*, ICD-9: 332*, entitlement to reimbursement from Social Insurance Institution: 110, use and cost of drugs ATC: N04B*)
Dementia	(ICD-10: F00*–F03*, G30*, ICD-9: 290*, 3310*, entitlement to reimbursement from Social Insurance Institution: 307, use and cost of drugs ATC: N06D*)
Renal insufficiency	(ICD-10: N18*, ICD-9: 585*, entitlement to reimbursement from Social Insurance Institution: 137)
Mental disorders	(ICD-10: F20*–F31*, ICD-9: 295*–298*, except 2960*, 2961*, entitlement to reimbursement from Social Insurance Institution: N05A* except N05AB04 and N05AB01 and there is no dementia)