

Supplementary data

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

ICD-10	2009– 2010		2012– 2013	
	n	%	n	%
A46 Erysipelas			2	0.3
F05.9 Delirium			1	0.2
H25.1 Age-related nuclear cataract	1	0.2	1	0.2
H43.1 Vitreous hemorrhage			1	0.2
I48 Atrial fibrillation and flutter	2	0.5	2	0.3
I26.9 Pulmonary embolism without acute cor pulmonale	1	0.2		
I61.9 Non-traumatic intracerebral hemorrhage			1	0.2
K57.9 Diverticulosis of intestine	1	0.2		
K83.4 Spasm of sphincter of Oddi			1	0.2
M10.0 Gout	1	0.2		
M17.0 Bilateral primary osteoarthritis of knee	1	0.2	4	0.6
M17.1 Unilateral primary osteoarthritis of the knee	6	1.3	5	0.8
M17.3 Unilateral post-traumatic osteoarthritis of the knee	1	0.2	2	0.3
M17.4 Other bilateral secondary osteoarthritis of the knee			1	0.2
M79.6 Pain in limb, unspecified	1	0.2	1	0.2
R06.0 Dyspnea			2	0.3
S83.0 Subluxation or dislocation of patella			1	0.2
T81.0 Unspecified open wound, knee			1	0.2
T81.3 Disruption of wound, unspecified			1	0.2
T81.4 Infection following a procedure	4	0.9	5	0.8
T84.4 Mechanical complication of other internal orthopedic devices			2	0.3
T84.5 Infection and inflammatory reaction due to unspecified internal joint prosthesis	2	0.5	3	0.5
Total	21	5.5	37	5.9

Appendix 1. Exclusion criteria (ICD-10 diagnosis)

S82.0	Fracture of patellae
S82.1	Fracture of proximal tibia
S82.7	Multiple fractures of knee
S82.8	Other fracture of knee or tibia
S82.9	Fracture of knee or tibia, unspecified
M45.*	Ankylosing spondylitis
M17.2	Post-traumatic bilateral osteoarthritis
M17.3	Other post-traumatic osteoarthritis
M17.4	Other secondary osteoarthritis, bilateral
M17.5	Other secondary osteoarthritis
M17.9	Knee osteoarthritis, 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	Osteochondrodysplasia 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 adjusting the results

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)