

Supplementary article data

Risk of re-admission, reoperation, and mortality within 90 days of total hip and knee arthroplasty in fast-track departments in Denmark from 2005 to 2011

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Appendix 1

Re-admissions due to infection—in relation to surgery. All ICD-10 codes

Diagnosis	Procedure THA	Procedure TKA	Side-specific
DT845	KNFA	KNGA	Yes
DT845	KNFB20	KNGB20	Yes
DT845	KNFB30	KNGB30	Yes
DT845	KNFB40	KNGB40	Yes
DT845	KNFB59	KNGB59	Yes
DT845	KNFC	KNGC	Yes
DT845	KNFG09	KNGG09	Yes
DT845	KNFG19	KNGG19	Yes
DT845	KNFG29	KNGG29	Yes
DT845	KNFQ09	KNGQ09	Yes
DT845	KNFU09	KNGU09	Yes
DT845	KNFU10	KNGU10	Yes
DT845	KNFU11	KNGU11	Yes
DT845	KNFU12	KNGU12	Yes
DT845	KNFU19	KNGU19	Yes
DT845	KNFU99	KNGU99	Yes
DT845	KNFW59	KNGW59	Yes
DT845	KNFW99	KNGW99	Yes
No specification	KNFS19	KNGS19	Yes
No specification	KNFS49	KNGS49	Yes
No specification	KNFU89	KNGU89	Yes
No specification	KNFW69	KNGW69	Yes

Reoperations—in relation to surgery. All ICD-10 codes

Diagnosis	Procedure THA	Procedure TKA	Side-specific
DT845	KNFA	KNGA	Yes
DT845	KNFB20	KNGB20	Yes
DT845	KNFB30	KNGB30	Yes
DT845	KNFB40	KNGB40	Yes
DT845	KNFB59	KNGB59	Yes
DT845	KNFC	KNGC	Yes
No specification	KNFC20	KNGC20	Yes
No specification	KNFC21	KNGC21	Yes
No specification	KNFC22	KNGC22	Yes
No specification	KNFC29	KNGC29	Yes
No specification	KNFC30	KNGC30	Yes
No specification	KNFC31	KNGC31	Yes
No specification	KNFC32	KNGC32	Yes
No specification	KNFC39	KNGC39	Yes
No specification	KNFC40	KNGC40	Yes
No specification	KNFC41	KNGC41	Yes
No specification	KNFC42	KNGC42	Yes
No specification	KNFC49	KNGC49	Yes
No specification	KNFC59	KNGC59	Yes
No specification	KNFC99	KNGC99	Yes
No specification	KNFG	KNGG	Yes
No specification	KHFG	KHGH	Yes
DT845	KNFQ09	KNGQ09	Yes
DT845	KNFU09	KNGU09	Yes
No specification	KNFU10	KNGU10	Yes
No specification	KNFU11	KNGU11	Yes
No specification	KNFU12	KNGU12	Yes
No specification	KNFU13	KNGU13	Yes
No specification	KNFU14	KNGU14	Yes
No specification	KNFU19	KNGU19	Yes
No specification	KNFU89	KNGU89	Yes
DT845	KNFU99	KNGU99	Yes
No specification	KNFS19	KNGS19	Yes
No specification	KNFS49	KNGS49	Yes
No specification	KNFW	KNGW	Yes
No specification	KNFU0	KNGU0	Yes
No specification	KNFU1	KNGU1	Yes

Appendix 2

Risk of readmission due to infection in relation to surgery. urinary tract infection or pneumonia after THA

	Infection related to surgery			Urinary tract infection			Pneumonia		
	n	Risk (95% CI)	P	n	Risk (95% CI)	P	n	Risk (95% CI)	P
2005–2007									
Fast track	20	0.41 (0.23–0.68)	0.16	52	1.42 (1.06–1.86)	0.00	36	0.99 (0.69–1.36)	0.03
National	114	0.53 (0.42–0.66)		102	0.69 (0.56–0.83)		95	0.64 (0.52–0.78)	
2008–2009									
Fast track	21	0.90 (0.60–1.29)	0.30	20	0.62 (0.38–0.96)	0.17	23	0.71 (0.45–1.07)	0.34
National	87	0.85 (0.69–1.05)		45	0.43 (0.31–0.58)		59	0.57 (0.43–0.73)	
2010–Sept.2011									
Fast track	12	0.95 (0.61–1.43)	0.15	22	0.91 (0.57–1.38)	0.00	23	0.95 (0.61–1.43)	0.13
National	73	0.66 (0.51–0.84)		38	0.40 (0.29–0.55)		62	0.66 (0.51–0.84)	

Risk of readmission due to stroke. myocardial infection. deep vein thrombosis or pulmonary embolism after THA

	Stroke			Myocardial infarction			Deep vein thrombosis			Pulmonary embolism		
	n	Risk (95% CI)	P	n	Risk (95% CI)	P	n	Risk (95% CI)	P	n	Risk (95% CI)	P
2005–2007												
Fast track	14	0.38 (0.21–0.64)	0.72	15	0.41 (0.23–0.68)	0.96	39	1.07 (0.76–1.45)	0.87	7	0.19 (0.08–0.34)	0.17
National	51	0.34 (0.26–0.45)		60	0.40 (0.31–0.52)		163	1.10 (0.94–1.28)		49	0.33 (0.24–0.44)	
2008–2009												
Fast track	11	0.34 (0.17–0.61)	0.56	18	0.56 (0.33–0.88)	0.01	49	1.52 (1.13–2.00)	0.19	7	0.22 (0.09–0.45)	0.40
National	29	0.28 (0.19–0.40)		27	0.26 (0.17–0.38)		127	1.22 (1.02–1.45)		32	0.31 (0.21–0.43)	
2010–Sept.2011												
Fast track	6	0.24 (0.09–0.54)	0.36	6	0.25 (0.09–0.54)	0.19	13	0.54 (0.29–0.92)	0.02	5	0.21 (0.07–0.48)	0.45
National	35	0.37 (0.26–0.52)		41	0.44 (0.31–0.59)		102	1.08 (0.88–1.31)		28	0.30 (0.20–0.43)	

Risk of readmission due to infection in relation to surgery. urinary tract infection or pneumonia after TKA

	Infection related to surgery			Urinary tract infection			Pneumonia		
	n	Risk (95% CI)	P	n	Risk (95% CI)	P	n	Risk (95% CI)	P
2005–2007									
Fast track	15	0.52 (0.29–0.85)	0.15	30	1.03 (0.70–1.47)	0.07	22	0.76 (0.47–1.14)	0.19
National	78	0.77 (0.61–0.96)		70	0.69 (0.54–0.88)		55	0.55 (0.41–0.71)	
2008–2009									
Fast track	29	1.15 (0.77–1.65)	0.42	16	0.64 (0.36–1.03)	0.37	13	0.52 (0.28–0.88)	0.62
National	89	0.97 (0.78–1.20)		45	0.49 (0.36–0.66)		55	0.60 (0.45–0.78)	
2010–Sept.2011									
Fast track	23	0.90 (0.57–1.34)	0.60	15	0.58 (0.33–0.96)	0.96	11	0.43 (0.21–0.77)	0.06
National	62	0.78 (0.60–1.00)		41	0.52 (0.37–0.70)		62	0.78 (0.60–1.00)	

Risk of readmission due to stroke. myocardial infection. deep vein thrombosis or pulmonary embolism after TKA

	Stroke			Myocardial infarction			Deep vein thrombosis			Pulmonary embolism		
	n	Risk (95% CI)	P	n	Risk (95% CI)	P	n	Risk (95% CI)	P	n	Risk (95% CI)	P
2005–2007												
Fast track	12	0.41 (0.21–0.72)	0.57	5	0.17 (0.06–0.40)	0.08	31	1.07 (0.72–1.51)	0.34	13	0.45 (0.24–0.76)	0.49
National	50	0.50 (0.37–0.65)		39	0.39 (0.28–0.53)		130	1.29 (1.08–1.53)		36	0.36 (0.25–0.49)	
2008 - 2009												
Fast track	1	0.04 (0.00–0.22)	0.06	9	0.36 (0.16–0.68)	0.37	22	0.88 (0.55–1.32)	0.03	7	0.28 (0.11–0.57)	0.73
National	20	0.22 (0.13–0.34)		23	0.25 (0.16–0.38)		131	1.43 (1.20–1.70)		22	0.24 (0.15–0.36)	
2010–Sept.2011												
Fast track	7	0.27 (0.11–0.56)	0.38	5	0.19 (0.06–0.45)	0.60	28	1.09 (0.73–1.57)	0.10	14	0.55 (0.30–0.91)	0.08
National	31	0.39 (0.27–0.56)		20	0.26 (0.16–0.41)		122	1.54 (1.28–1.84)		24	0.30 (0.19–0.45)	