

Supplementary Online Content

Lindquist SAI, Shah N, Overgaard C, et al. Association of previous cesarean delivery with surgical complications after a hysterectomy later in life. *JAMA Surg*. Published online August 9, 2017. doi:10.1001/jamasurg.2017.2825

eTable 1. Summary of Diagnosis and Surgical Codes

eTable 2. Adjusted Odds Ratio for Reoperation, Complications, and Blood Transfusion Stratified by Route of Hysterectomy

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Summary of Diagnosis and Surgical Codes

	Variable	Codes
Mode of child birth	Cesarean section	NCSP: KMCA, 63620, 65190, 66060, 78000, 78100, 78300
	Vaginal Birth	ICD-10: DO80-DO84. ICD-8: 65000-66100.
Hysterectomy	Abdominal hysterectomy	KLCD00, KLCD30
	Vaginal hysterectomy	KLCD10, KLCD40
	Laparoscopic hysterectomy	KLCD01, KLCD04, KLCD11, KLCD31, KLCD97
Comorbidities	Diabetes	ICD-10: DE10-14. ICD-8: 250. ACT:A10
	Chronic obstructive pulmonary disease	ICD-10: DJ42-43. ICD-8: 491-492.
	Hypertension	ICD-10: DI10-13, DI15. ICD-8: 400-404. ACT: C02A-D, C02L, C03A,B,D,E,X, C07A-F, C08,G, C09A-D,X.
	Cardio vascular disease	ICD-10: DI110, DI21-22, DI49, DI63-63, DI652, DI74, DJ819, DG458-459. ICD-8: 410, 4270-4271, 4273-4276, 4279, 433-438, 444.
	Breast cancer	DC50
	Colon cancer	DC18, DC20
	Pelvic inflammatory disease	DN70-77
	Endometriosis	DN80
Previous abdominal surgery	Laparoscopic surgery	NCSP: KJAA11, KJAA97, KJAB11, KJAD11, KJAD97, KJAF11, KJAH01, KJAH21, KJAK01, KJAK04, KJAL01, KJAL11, KJAL21, KJAL97, KJAP01, KJAW97, KJBC01, KJDF11, KJDF21, KJEA01, KJFA71,KJFW97, KJKA11, KJKA21, KLAA01, KLAA11, KLAB01, KLAB11, KLAB21, KLAB97, KLAC01, KLAC11, KLAC21, KLAC31, KLAD01, KLAE11, KLAE21, KLAF01, KLAF11, KLAG01, KLAG21, KLAW97, KLBB01, KLBC11, KLBC21, KLBD01, KLBE01, KLBF01, KLBF31, KLBF51, KLBF61, KLBW97, KLGA11, KLGA21, KLGA97, KLWE01
	Laparotomic surgery	NCSP: KJAA00, KJAA10, KJAA96, KJAB00, KJAB10, KJAB30, KJAB96, KJAC10, KJAC30, KJAD10, KJAD30, KJAE10, KJAF10, KJAF30, KJAG00, KJAG96, KJAH00, KJAH30, KJAJ00, KJAL20, KJAL30, KJAL96, KJALP00, KJAW96, KJBA10, KJDF20, KJEA00, KJEA10, KJEW96, KJFA00, KJFA96, KJFA98, KJFB00, KJFB20, KJFB43, KJFF10, KJFG00, KJFG20, KJFG70, KJFH00, KJFH10, KJFK00, KJFK20, KJFL10, KJFL20, KJJA10, KJJB20, KJJB30, KJKA20, KJKE06, KJMA10, KJWB00, KJWC00, KJWW97, KKAC00, KKAD10, KKAJ00, KKBH20, KKBW96,

		KKCD30, KKDD10, KKDG20, KKDG30, KKDW96, KKKW96, KLAA00, KLAA96, KLAC00, KLAC10, KLAC20, KLAC30, KLAC96, KLAD00, KLAE10, KLAF00, KLAF10, KLAW96, KLBA98, KLC20, KLBC96, KLBC97, KLBD00, KLBE00, KLBFO0, KLBFB30, KLBFB60, KLBFB70, KLBW96, KLGA00, KLGA10, KLGA20, KLGA96, KLWB00, KLWC00, KLWE00, KLWW96
Indications		
	Fibroids	DD25
	Menstrual disorder	DN92, DN84
	Prolapse/incontinence	DN393, DN394, DN81, DR32
	Endometriosis	DN80
	Precancerous lesions	DD06, DD070, DN850, DN87
	Pain	DN941, DN946, DR102
Outcome		
Reoperation	Gynecological procedures	KLAC, KLAD01, KLAE10, KLAF, KLDW96, KLEA10, KLEE00, KLEF00, KLEW, KLWA00, KLWB00, KLWC00-01, KLWD00, KLWE00, KLWF00, KLWW, KTLA00, KTLE20, KTLW99
	Gastrointestinal procedures	KJAA00A, KJAE10,30, KJAG60, KJAH, KJAK, KJAP, KJAW97, KJDE00, KJEA, KJFA, KJFB00, KJFF, KJFG20, KJFH00, KJFK, KJGB30, KJHB, KJHD00, KJKA21, KJKE, KJKF10, KJWA00, KJWF00, KJWW96, KTJA, KUJD, KUJF, KJUG02, KUJH02, KUJK02
	Urological procedures	KKAJ00, KKBH, KKB10, KKBV, KKV10, KKCF02, KKCH, KKKA20A, KTKA10A, KTKK00, KUKB02, KUKC02, KUKD02
Complications	Bleeding	DT810
	Infection	DT814
	perioperative lesions	DT812
	Adhesions/wound ruptur	DT813, DN992-4, DN998
	Acute cystitis	DN300
	Unspecified complications	DT818, DT819, DN999

eTable 2. Adjusted Odds Ratio for Reoperation, Complications, and Blood Transfusion Stratified by Route of Hysterectomy

Outcome	Route of hysterectomy	Adjusted odds ratio	95% CI	P-value
Reoperation	Abdominal	1.00	-	-
	Vaginal	0.75	0.58-0.96	0.024
	Laparoscopic	0.81	0.61-1.08	0.145
Complications	Abdominal	1.00	-	-
	Vaginal	0.98	0.83-1.15	0.789
	Laparoscopic	1.44	1.21-1.72	<0.001
Blood transfusion	Abdominal	1.00	-	-
	Vaginal	1.23	0.87-1.75	0.242
	Laparoscopic	1.70	1.19-2.43	0.004