

**Appendix 1 (as supplied by the authors): Procedures included in study cohort**

<i>Procedure type</i>			
<b>CCI Code</b>	<b>Description</b>	<b>CCI Code</b>	<b>Description</b>
<b>Endoscopy</b>			
2.NA.70.BA	Esophagoscopy	2.NA.71.BA	Esophageal biopsy
2.NA.71.BP	Esophageal biopsy	2.NA.71.BR	Esophageal biopsy
2.NC.70.BA	Esophagoscopy & gastroscopy	2.NF.70.BA	Gastroscopy
2.NF.71.BA	Pyloric biopsy	2.NF.71.BP	Pyloric biopsy
2.NF.71.BR	Pyloric biopsy	2.NM.70.BA	Colonoscopy
2.NM.71.BA	Large intestine biopsy	2.NM.71.BA	Large intestine biopsy
<b>Ophthalmologic surgery</b>			
1.CL.89	Cataract	1.CL.59	Secondary cataract
1.CC	Interventions on cornea	1.CD	Interventions on the sclera
1.CE	Interventions on cornea with sclera	1.CF	Interventions on the choroid
1.CG	Interventions on the ciliary body	1.CH	Interventions on the iris
1.CJ	Interventions on the anterior chamber of the eye	1.CL	Interventions on the lens
1.CM	Interventions on the vitreous	1.CN	Interventions on the retina
1.CP	Interventions on eye soft tissues	1.CQ	Interventions on ocular muscles and tendons
1.CR	Interventions on fascia of the eye	1.CS	Interventions on the conjunctiva
1.CT	Interventions on lacrimal secretory system	1.CU	Interventions on lacrimal excretory system
1.CV	Interventions on upper eyelid	1.CX	Interventions on eyelid NEC
1.CZ	Interventions on eye NEC		
<b>Low-risk surgery</b>			
<i>General surgery</i>			
1.MJ.52	Inguinal lymph node drainage	1.MJ.87	Inguinal lymph node partial excision
1.MJ.89	Inguinal lymph node total excision	1.MK.52	Lymph node of extremity drainage
1.MK.87	Lymph node of extremity partial excision	1.MK.89	Lymph node of extremity total excision
1.OD.57	Laparoscopic cholecystectomy	1.SY.80	Hernia (chest and abdomen) repair
1.YM.55	Removal of device, breast	1.YM.74	Breast fixation
1.YM.78	Breast reduction	1.YM.79	Repair by increasing size, breast
1.YM.80	Breast repair	1.YM.87	Partial mastectomy, lumpectomy, partial breast excision
1.YM.89	Mastectomy		
<i>Gynecologic surgery</i>			
1.RB.52.BA	Endoscopic oophorotomy	1.RB.52.DA	Endoscopic oophorotomy
1.RB.56.DA	Removal of foreign body from ovary (endoscopic)	1.RB.74.DA	Ovary fixation (endoscopic)
1.RB.87.DA	Partial oophorectomy (endoscopic)	1.RB.89.DA	Total oophorectomy (endoscopic)
1.RD.52.BA	Salpingo oophorotomy (endoscopic)	1.RD.89.DA	Salpingo-oophorectomy (endoscopic)
<i>Orthopedic surgery</i>			
1.BM.72	Upper arm and elbow neurolysis	1.BM.80	Upper arm and elbow neurorrhaphy

(continued).

**Appendix 1. Procedures included in study cohort (continued).**

<b>Procedure type</b>			
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<b>Low-risk surgery</b>			
<i>Orthopedic surgery</i>			
1.BM.87	Partial excision of upper arm and elbow nerves	1.BN.72	Forearm and wrist nerve neurolysis
1.BP.72	Hand neurolysis	1.BP.80	Hand neurorrhaphy
1.BP.87	Partial excision of hand nerves	1.BQ.72	Digital nerve of the hand neurolysis
1.BQ.80	Digital nerves of the hand neurorrhaphy	1.BQ.87	Partial excision of digital nerves of the hand
1.SE.87	Microdiscectomy	1.TA.52.DA	Shoulder joint drainage (arthroscopic)
1.TA.57.DA	Shoulder joint biopsy (arthroscopic)	1.TA.58.DA	Shoulder joint biopsy (arthroscopic)
1.TA.72.DA	Shoulder release (arthroscopic)	1.TB.52.GB	Acromioclavicular and sternoclavicular joint drainage (arthroscopic)
1.TB.52.GD	Acromioclavicular and sternoclavicular joint drainage (arthroscopic)	1.TB.87.DA	Acromioclavicular and sternoclavicular partial excision (arthroscopic)
1.TC.57.DA	Rotator cuff biopsy (arthroscopic)	1.TC.59.DA	Rotator cuff debridement (arthroscopic)
1.TC.72.DA	Rotator cuff release (arthroscopic)	1.TC.80.DA	Rotator cuff simple repair (arthroscopic)
1.TC.80.GC	Rotator cuff simple repair (arthroscopic)	1.UB.52	Wrist joint drainage
1.UB.53	Wrist joint internal device implantation	1.UB.55	Removal of device from wrist joint
1.UB.57	Wrist joint biopsy	1.UB.58	Wrist joint procurement
1.UB.72	Wrist joint release	1.UB.73	Wrist joint reduction
1.UB.74	Wrist joint fixation	1.UB.75	Wrist joint fusion
1.UB.80	Wrist joint repair	1.UB.87	Partial excision of wrist joint
1.UC.53	Radioulnar and carpal joints device implantation	1.UC.55	Removal of device from radioulnar and carpal joints
1.UC.57	Radioulnar and carpal joints biopsy	1.UC.72	Radioulnar and carpal joints release
1.UC.73	Radioulnar and carpal joints reduction	1.UC.74	Radioulnar and carpal joints fixation
1.UC.75	Radioulnar and carpal joints fusion	1.UC.79	Radioulnar and carpal joints lengthening
1.UC.80	Radioulnar and carpal joints repair	1.UC.82	Radioulnar and carpal joints reattachment
1.UC.87	Partial excision of radioulnar and carpal joints	1.UC.89	Carpectomy
1.UF.55	Removal of device from metacarpal bones	1.UF.73	Metacarpal bone reduction
1.UF.74	Metacarpal bone fixation	1.UF.80	Osteotomy, osteoclasia
1.UF.87	Partial excision of metacarpal	1.UG.52	Metacarpophalangeal drainage
1.UG.53	Metacarpophalangeal implantation	1.UG.55	Metacarpophalangeal device removal
1.UG.57	Metacarpophalangeal biopsy	1.UG.72	Metacarpophalangeal release

(continued).

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<b>CCI Code</b>	<b>Description</b>	<b>CCI Code</b>	<b>Description</b>
<b>Low-risk surgery</b>			
<i>Orthopedic surgery</i>			
1.UG.73	Metacarpophalangeal reduction	1.UG.74	Metacarpophalangeal fixation
1.UG.75	Metacarpophalangeal fusion	1.UG.80	Metacarpophalangeal repair
1.UG.87	Partial excision of metacarpophalangeal joints	1.UJ.71	Phalanx division
1.UJ.73	Phalanx reduction	1.UJ.74	Phalanx fixation
1.UJ.75	Phalanx fusion	1.UJ.82	Phalanx reattachment
1.UJ.87	Partial excision of phalanx	1.UJ.93	Amputation of phalanx
1.UK.53	Interphalangeal joint device implantation	1.UK.55	Interphalangeal joint device removal
1.UK.72	Interphalangeal joint release	1.UK.73	Interphalangeal joint reduction
1.UK.74	Interphalangeal joint fixation	1.UK.75	Interphalangeal joint fusion
1.UK.80	Interphalangeal joint repair	1.UK.87	Partial excision of interphalangeal joint
1.UK.93	Amputation of interphalangeal joint	1.US.58	Finger tendon procurement
1.US.72	Finger tendon release	1.US.80	Finger tendon repair
1.UT.53	Finger flexor tendon device implantation	1.UT.55	Finger flexor tendon device removal
1.UT.72	Finger flexor tendon release	1.UT.80	Finger flexor tendon repair
1.UT.84	Finger flexor tendon construction/reconstruction	1.UU.53	Thumb tendon device implantation
1.UU.55	Thumb tendon device removal	1.UU.72	Thumb tendon release
1.UU.80	Thumb tendon repair	1.UU.84	Thumb tendon construction/deconstruction
1.UV.72	Wrist and hand tendon release	1.UV.80	Wrist and hand tendon repair
1.UY.52	Soft tissue of hand and wrist drainage	1.UY.55	Removal of device from soft tissue of hand and wrist
1.UY.56	Removal of foreign body from soft tissue of hand and wrist	1.UY.57	Soft tissue of hand and wrist biopsy
1.UY.59	Soft tissue of hand and wrist destruction	1.UY.72	Soft tissue of hand and wrist release
1.UY.80	Soft tissue of hand and wrist repair	1.UY.87	Partial excision of soft tissue of hand and wrist
1.VA.57.DA	Hip joint biopsy (arthroscopic)	1.VA.58.DA	Hip joint cartilage biopsy (arthroscopic)
1.VA.72.DA	Hip joint release (arthroscopic)	1.VA.87.GB	Synovectomy hip joint (arthroscopic)
1.VG.52.DA	Knee joint drainage (arthroscopic)	1.VG.57.DA	Knee joint biopsy (arthroscopic)
1.VG.58.DA	Knee joint cartilage biopsy (arthroscopic)	1.VG.72.DA	Knee joint release (arthroscopic)
1.VG.87.GB	Synovectomy knee joint (arthroscopic)	1.VK.80.DA	Meniscus repair (arthroscopic)
1.VK.87.DA	Partial excision of meniscus (arthroscopic)	1.VK.89.DA	Total excision of meniscus (arthroscopic)
1.VL.80.DA	Cruciate ligament of knee repair (arthroscopic)	1.VL.80.FY	Cruciate ligament (arthroscopic)

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<i>Procedure Type</i>			
CCI Code	Description	CCI Code	Description
<b>Low-risk surgery</b>			
<i>Orthopedic surgery</i>			
1.VL.87.DA	Partial excision of cruciate ligament of the knee (arthroscopic)	1.VL.87.GB	Partial excision of cruciate ligament of the knee (arthroscopic)
1.WA.57.DA	Ankle joint biopsy (arthroscopic)	1.WA.58.DA	Ankle joint cartilage biopsy (arthroscopic)
1.WA.72.DA	Ankle joint release (arthroscopic)		
<i>Urologic surgery</i>			
1.PL.74	Bladder fixation	1.PL.87	Transurethral resection
1.PM.52	Bladder drainage	1.PM.54	Catheter adjustment, irrigation
1.PM.59	Bladder destruction	1.PQ.26	Urethral brachytherapy
1.PQ.35	Urethral pharmacotherapy	1.PQ.50	Urethral dilation
1.PQ.52	Urethral drainage	1.PQ.53	Implantation of internal device, urethra NEC
1.PQ.54	Management of internal device, urethra NEC	1.PQ.55	Removal of internal device from urethra NEC
1.PQ.57	Urethral biopsy	1.PQ.58	Urethral procurement
1.PQ.59	Urethral destruction	1.PQ.72	Urethral release
1.PQ.77	Urethrostomy, fistulization	1.PQ.78	Urethral repair by reducing size
1.PQ.80	Urethral repair	1.QT.87	Partial prostatectomy

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CCI = Canadian Classification of Health Interventions; NEC = not elsewhere classified

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