## Supplementary Table 2: List of operations occurring at least 4000 times in both ISHPs and NHS hospitals between 01/04/2001 and 31/12/2019

	OPCS	code	and	name
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A521 - Therapeutic lumbar epidural injection

- A522 Therapeutic sacral epidural injection
- A528 Other specified therapeutic epidural injection
- A573 Radiofrequency controlled thermal destruction of spinal nerve root
- A577 Injection of therapeutic substance around spinal nerve root
- A604 Radiofrequency controlled thermal destruction of peripheral nerve
- A611 Excision of lesion of peripheral nerve
- A651 Carpal tunnel release
- A671 Cubital tunnel release
- A735 Injection of therapeutic substance around peripheral nerve

C121 - Excision of lesion of eyelid NEC

- C712 Phacoemulsification of lens
- C733 Capsulotomy of posterior lens capsule
- C751 Insertion of prosthetic replacement for lens NEC

C794 - Injection into vitreous body NEC

- C873 Tomography evaluation of retina
- D021 Excision of lesion of external ear
- D151 Myringotomy with insertion of ventilation tube through tympanic membrane
- E036 Septoplasty of nose NEC
- E081 Polypectomy of internal nose
- E091 Excision of lesion of external nose
- E142 Intranasal ethmoidectomy
- F091 Surgical removal of impacted wisdom tooth
- F093 Surgical removal of wisdom tooth NEC
- F094 Surgical removal of tooth NEC
- F095 Surgical removal of retained root of tooth

F104 - Extraction of multiple teeth NEC

- F109 Unspecified simple extraction of tooth
- F341 Bilateral dissection tonsillectomy

G451 - Fibreoptic endoscopic examination of upper gastrointestinal tract and biopsy of lesion of upper gastrointestinal tract

- G458 Other specified diagnostic fibreoptic endoscopic examination of upper gastrointestinal tract
- G459 Unspecified diagnostic fibreoptic endoscopic examination of upper gastrointestinal tract
- H201 Fibreoptic endoscopic snare resection of lesion of colon
- H202 Fibreoptic endoscopic cauterisation of lesion of colon

H206 - Fibreoptic endoscopic resection of lesion of colon NEC

- H221 Diagnostic fibreoptic endoscopic examination of colon and biopsy of lesion of colon
- H229 Unspecified diagnostic endoscopic examination of colon
- H231 Endoscopic snare resection of lesion of lower bowel using fibreoptic sigmoidoscope
- H251 Diagnostic endoscopic examination of lower bowel and biopsy of lesion of lower bowel using fibreoptic sigmoidoscope
- H259 Unspecified diagnostic endoscopic examination of lower bowel using fibreoptic sigmoidoscope
- H482 Excision of skin tag of anus
- H511 Haemorrhoidectomy
- H523 Injection of sclerosing substance into haemorrhoid
- H524 Rubber band ligation of haemorrhoid
- H568 Other specified other operations on anus
- J183 Total cholecystectomy NEC
- L703 Ligation of artery NEC
- L841 Combined operations on primary long saphenous vein
- L882 Radiofrequency ablation of varicose vein of leg
- M451 Diagnostic endoscopic examination of bladder and biopsy of lesion of bladder NEC
- M459 Unspecified diagnostic endoscopic examination of bladder
- M473 Removal of urethral catheter from bladder
- M494 Introduction of therapeutic substance into bladder
- M653 Endoscopic resection of prostate NEC
- M764 Endoscopic dilation of urethra
- M792 Dilation of urethra NEC

N153 - Excision of lesion of epididymis

N171 - Bilateral vasectomy

N303 - Circumcision

O291 - Subacromial decompression

P054 - Excision of lesion of vulva NEC

P231 - Anterior and posterior colporrhaphy NEC

P232 - Anterior colporrhaphy NEC

P233 - Posterior colporrhaphy NEC

Q023 - Cauterisation of lesion of cervix uteri

Q074 - Total abdominal hysterectomy NEC Q075 - Subtotal abdominal hysterectomy

Q089 - Unspecified vaginal excision of uterus

Q111 - Vacuum aspiration of products of conception from uterus NEC

Q121 - Introduction of intrauterine contraceptive device

Q165 - Radiofrequency ablation of endometrium

Q171 - Endoscopic resection of lesion of uterus

Q181 - Diagnostic endoscopic examination of uterus and biopsy of lesion of uterus

Q188 - Other specified diagnostic endoscopic examination of uterus

Q189 - Unspecified diagnostic endoscopic examination of uterus

Q491 - Endoscopic extirpation of lesion of ovary NEC

S065 - Excision of lesion of skin of head or neck NEC

S068 - Other specified other excision of lesion of skin

S069 - Unspecified other excision of lesion of skin

T202 - Primary repair of inguinal hernia using insert of prosthetic material

T209 - Unspecified primary repair of inguinal hernia

T212 - Repair of recurrent inguinal hernia using insert of prosthetic material

T242 - Repair of umbilical hernia using insert of prosthetic material

T243 - Repair of umbilical hernia using sutures

T252 - Primary repair of incisional hernia using insert of prosthetic material

T272 - Repair of ventral hernia using insert of prosthetic material

T273 - Repair of ventral hernia using sutures

T422 - Endoscopic destruction of lesion of peritoneum

T423 - Endoscopic division of adhesions of peritoneum

T439 - Unspecified diagnostic endoscopic examination of peritoneum

T521 - Palmar fasciectomy

T525 - Digital fasciectomy

T578 - Other specified other operations on fascia

T591 - Excision of ganglion of wrist

T592 - Excision of ganglion of hand NEC

T594 - Excision of ganglion of foot

T625 - Injection into bursa

T691 - Primary tenolysis

T723 - Release of constriction of sheath of tendon

T744 - Injection of therapeutic substance into tendon NEC

T791 - Plastic repair of rotator cuff of shoulder NEC

T962 - Excision of lesion of soft tissue NEC

V254 - Primary posterior laminectomy decompression of lumbar spine

V255 - Primary posterior decompression of lumbar spine NEC

V337 - Primary microdiscectomy of lumbar intervertebral disc

V485 - Radiofrequency controlled thermal denervation of spinal facet joint of lumbar vertebra

V544 - Injection around spinal facet of spine

 $\mathsf{W068}$  - Other specified total excision of bone

W082 - Excision of overgrowth of bone

W083 - Excision of excrescence of bone

W085 - Partial excision of bone NEC

W132 - Displacement osteotomy

W153 - Osteotomy of first metatarsal bone NEC

W157 - Osteotomy of bone of foot and fixation HFQ

W283 - Removal of internal fixation from bone NEC

W371 - Primary total prosthetic replacement of hip joint using cement W381 - Primary total prosthetic replacement of hip joint not using cement

W391 - Primary total prosthetic replacement of hip joint NEC

W401 - Primary total prosthetic replacement of knee joint using cement

W411 - Primary total prosthetic replacement of knee joint not using cement

- W421 Primary total prosthetic replacement of knee joint NEC
- W572 Primary excision arthroplasty of joint NEC
- W581 Primary resurfacing arthroplasty of joint
- W593 Fusion of first metatarsophalangeal joint NEC
- W595 Fusion of interphalangeal joint of toe NEC
- W621 Primary arthrodesis and internal fixation of joint NEC
- W712 Open excision of intra-articular osteophyte
- $\mathsf{W742}\ \text{-}\ \mathsf{Reconstruction}\ of\ intra-articular\ ligament\ \mathsf{NEC}$
- W781 Release of contracture of shoulder joint
- W791 Soft tissue correction of hallux valgus
- W802 Open debridement of joint NEC
- W822 Endoscopic resection of semilunar cartilage NEC
- W833 Endoscopic shaving of articular cartilage
- W836 Endoscopic excision of articular cartilage NEC
- W851 Endoscopic removal of loose body from knee joint
- W858 Other specified therapeutic endoscopic operations on cavity of knee joint
- W879 Unspecified diagnostic endoscopic examination of knee joint
- W891 Endoscopic chondroplasty NEC
- W901 Aspiration of joint
- W902 Arthrography
- W903 Injection of therapeutic substance into joint
- W904 Injection into joint NEC
- W913 Manipulation of prosthetic joint NEC
- W919 Unspecified other manipulation of joint
- W931 Primary hybrid prosthetic replacement of hip joint using cemented acetabular component
- W941 Primary hybrid prosthetic replacement of hip joint using cemented femoral component
- X292 Continuous intravenous infusion of therapeutic substance NEC
- X362 Venesection
- X375 Intramuscular injection for local action
- X921 Cytokine inhibitor drugs Band 1