

# Invasive Procedures



# ROYAL COLLEGE of PODIATRY

**Date Range:** All events between 01/01/2021 and 31/12/2021

**Centres:** All Permitted Centres (376)

**Clinicians:** All Permitted Clinicians (1213)

**Total number of centres:** 116

**Total number of episodes:** 8714

**Total number of treatments:** 9605

Code	Name	Count	Percentage
0	Nil intervention or simple POM medication supplied/administered prior to surgery?	1	0.0072%
1	AMPUTATION GREAT TOE	11	0.0797%
1.1	amputation great toe distal phalanx only also see 31.30 for nail	13	0.0942%
1.3	trans- first metatarsal amputation /excision	6	0.0435%
2	AMPUTATION LESSER TOE (unspec)	164	1.1880%
2.1	terminal end of toe distal phalanx or part of single toe	53	0.3839%
2.3	disarticulation to metatarsal head single toe whole toe amputation	46	0.3332%
2.41	amputation single lesser transmetatarsal or v ray section	20	0.1449%
2.42	amputation multiple lesser transmetatarsal or V ray section one foot	10	0.0724%
3	BASAL OSTEOTOMY all BWO	4	0.0290%
3.14	dorsiflexory osteotomy at base 1st metatarsal	8	0.0580%
4	ARTHRODESIS GREAT TOE (unspec)	133	0.9634%
4.1	IPJ arthrodesis with or without tendon balance	51	0.3694%
4.2	first MTPJ arthrodesis single great toe	458	3.3176%
4.21	first MTPJ arthrodesis both great toes	2	0.0145%
5	ARTHRODESIS LESSER TOE unspecified	415	3.0062%
5.1	DIPJ lesser toe fusion single toe	74	0.5360%
5.11	DIPJ lesser toe fusion multiple toes same foot	12	0.0869%
5.12	DIPJ lesser toe fusion multiple toes both feet	2	0.0145%
5.2	PIPJ lesser toe fusion single toe	587	4.2521%
5.21	PIPJ lesser toe fusion multiple toes same foot	129	0.9344%
5.22	PIPJ lesser toe fusion multiple toes both feet	7	0.0507%
5.3	combined PIPJ/DIPJ arthrodesis single toe	19	0.1376%
5.31	combined PIPJ/DIPJ arthrodesis multiple toes same foot	12	0.0869%
5.32	combined PIPJ/DIPJ arthrodesis multiple toes both feet	4	0.0290%
5.4	ARTHRODESIS MIDFOOT 1st MCJ (Lapidus) single only	236	1.7095%
5.401	arthrodesis midfoot 1st MCJ (Lapidus) both feet	2	0.0145%
5.41	arthrodesis involving metatarsal:cuneiform 1,2,3 single joint	46	0.3332%
5.411	arthrodesis involving metatarsal:cuneiform 1,2,3 two or more joints	19	0.1376%
5.43	arthrodesis inter-cuneiform fusion single foot	1	0.0072%
5.44	arthrodesis navicular-cuneiform fusion single foot	15	0.1087%
5.45	arthrodesis hindfoot talo-navicular fusion single foot	8	0.0580%
5.46	arthrodesis calcaneo-cuboid fusion single foot	6	0.0435%
		13,805	100.0000%

Code	Name	Count	Percentage
5.47	arthrodesis subtalar joint single foot	8	0.0580%
5.48	arthrodesis triple STJ single foot	5	0.0362%
5.49	Arthrodesis TCJ (ankle mortice) single foot	1	0.0072%
5.50	Metatarso-cuboid joint arthroplasty	4	0.0290%
6	ARTHROPLASTY LESSER TOE (Unspec.)	241	1.7457%
6.1	arthroplasty excisional lesser toe single DIPJ	141	1.0214%
6.11	arthroplasty excisional lesser toe single DIPJ both feet	3	0.0217%
6.12	arthroplasty excisional lesser toe two or more DIPJ same foot	28	0.2028%
6.13	arthroplasty excisional lesser toe two or more DIPJ both feet	8	0.0580%
6.2	arthroplasty excisional lesser toe single PIPJ	377	2.7309%
6.21	arthroplasty excisional lesser toe single PIPJ both feet	19	0.1376%
6.22	arthroplasty excisional lesser toe two or more PIPJs same foot	59	0.4274%
6.23	arthroplasty excisional lesser toe two or more PIPJs both feet	11	0.0797%
6.24	arthroplasty single PIPJ and DIPJ mutiple same foot	8	0.0580%
6.25	arthroplasty two or more both PIPJ and DIPJ both feet	1	0.0072%
6.4	MPJ arthroplasty base of lesser digit partial excision (Stainsby pattern)	46	0.3332%
6.41	MPJ arthroplasty single toe same foot	7	0.0507%
6.45	Phalangeal Akin (lesser digit closing wedge osteotomy)	195	1.4125%
6.5	WHOLE PHALANX EXCISION	3	0.0217%
6.51	Proximal phalanx single toe	3	0.0217%
6.54	Proximal phalanx more than one toe both feet	1	0.0072%
6.601	Distal phalanx single toe	5	0.0362%
6.71	Int phalanx single toe	5	0.0362%
6.73	Int phalanx more than one toe	1	0.0072%
7	OSTEOTOMY FIRST METATARSAL SINGLE FOOT (Unspec.)	14	0.1014%
7.1	Chevron capital osteotomy	69	0.4998%
7.11	Chevron capital decompression (bone removed)	8	0.0580%
7.2	Scarf osteotomy midshaft with akin	803	5.8167%
7.21	Scarf rotational osteotomy midshaft with Akin	485	3.5132%
7.22	Scarf with no akin either accepted	37	0.2680%
7.23	Scarf transpositional no akin	66	0.4781%
7.24	Scarf rotational no akin	64	0.4636%
7.5	Reverdin (unspec.) osteotomy	2	0.0145%
7.53	Reverdin-L osteotomy	28	0.2028%
7.63	Midshaft Scarf without Akin	11	0.0797%
7.64	Midshaft Scarf rotational with Akin	16	0.1159%
7.65	Midshaft Scarf rotational without Akin	6	0.0435%
7.67	Mixed foot eg MCJ fusion, other foot capital osteotomy	5	0.0362%
8	HALLUX OSTEOTOMY of proximal or distal hallux (unspec.) single foot	9	0.0652%
8.1	Hallux wedge base proximal phalanx (transverse) Akin cortex unbreached	352	2.5498%
8.11	Hallux wedge base proximal phalanx (oblique pattern) cortex unbreached	2	0.0145%
8.3	Dorsal wedge base of hallux prox.phalanx Bonney-Kessel pattern	137	0.9924%
8.31	Dorsal wedge base of hallux prox.phalanx Bonney-Kessel pattern both feet	2	0.0145%
9	CALCANEAL SPUR (unspec.)	1	0.0072%
9.11	Plantar calcaneal spur reduction open surgery reduction single	2	0.0145%
		13,805	100.0000%

Code	Name	Count	Percentage
9.2	Retrocalcaneal exostectomy	55	0.3984%
10	CAPSULOTOMY LESSER MTPJ CLOSED	19	0.1376%
10.1	single lesser MTPJ	4	0.0290%
11	CAPSULOTOMY FIRST MTPJ OPEN single foot	12	0.0869%
12	CAPSULOTOMY LESSER MTPJ OPEN	220	1.5936%
12.1	single lesser MTPJ	1	0.0072%
12.2	Multiple lesser MTPJ	1	0.0072%
13	LESSER METATARSAL HEAD dorsal bone exostectomy single	9	0.0652%
13.1	Lesser metatarsal head single one foot	5	0.0362%
13.2	Leser metatarsal head more than one same foot	3	0.0217%
14	CHEILECTOMY FIRST RAY (unspec) distal or proximal	212	1.5357%
14.1	cheilectomy distal and proximal MTP Valenti type	24	0.1739%
14.2	cheilectomy dorsal metataral head only	61	0.4419%
14.21	cheilectomy dorsal metataral head both feet	1	0.0072%
14.3	cheilectomy dorsal proximal phalanx only	3	0.0217%
14.5	Medial exostectomy (Silvers pattern) first metatarsal	60	0.4346%
14.32	Cheilectomy lesser MTP joint	45	0.3260%
14.6	Dorsal resection of base first metatarsal and medial cuneiform	1	0.0072%
16.0	ARTHROPLASTY first MTPJ base prox phalanx (Keller pattern)	54	0.3912%
16.2	ARTHROPLASTY of Hallux IPJ	13	0.0942%
17	LESSER METATARSALS (unspec)	30	0.2173%
17.1	lesser metatarsal includes 2-4 proximal displacement (PDO/Weil pattern) single metatarsal	303	2.1949%
17.11	lesser metatarsal includes 2-4 proximal displacement (PDO/Weil pattern) 2 or more metatarsals	70	0.5071%
17.4	lesser metatarsal 2-4 (Oblique Giannestras pattern) single metatarsal	8	0.0580%
17.2	lesser metatarsal 2-4 (Schweil pattern) single metatarsal	57	0.4129%
17.21	lesser metatarsal 2-4 (Schweil pattern) 2 or more metatarsals same foot	2	0.0145%
17.222	lesser metatarsal 2-4 (Schweil pattern) single metatarsal both feet	1	0.0072%
17.24	lesser 2-4 Weil pattern with removal of bone section only to decompress sagittal plane	13	0.0942%
17.25	lesser 2-5 Weil pattern with angled removal of bone section only to decompress sagittal plane	3	0.0217%
17.4	lesser metatarsal Gauthier-Elbaz pattern V osty. For osteochondritis single	10	0.0724%
17.51	lesser metatarsal (2-5) base osteotomy wedge / elevation single metatarsal	2	0.0145%
17.52	lesser metatarsal (2-5) base osteotomy wedge / elevation two metatarsals	2	0.0145%
17.6	lesser metatarsal 2-4 Swartz dorsal displacement single metatarsal	8	0.0580%
17.8	FIFTH METATARSAL OSTEOTOMIES TAILORS BUNIONNETTE / IMA	40	0.2898%
17.81	Excision of lateral head alone single	1	0.0072%
17.83	L-Osteotomy	11	0.0797%
17.84	Scarf (5th metatarsal)	99	0.7171%
17.86	base wedge osteotomy	8	0.0580%
17.92	Chevron capital fifth bilateral	1	0.0072%
18.1	capital pattern with SINGLE lesser metatarsal	1	0.0072%
18.2	midshaft pattern with or without Akin and SINGLE lesser metatarsal	3	0.0217%
19	INJECTION JOINTS (Unspec) usually steroid (sodium hyaluronate accepted)	200	1.4488%
19.1	First MTP Joint single foot	89	0.6447%
19.11	First MTP Joint both feet	18	0.1304%
19.12	Lesser MTP Joint single joint	37	0.2680%
		13,805	100.0000%

Code	Name	Count	Percentage
19.13	Lesser MTP Joint multiple joint same foot	5	0.0362%
19.14	Lesser MTP Joint single joint both feet	7	0.0507%
19.15	Lesser MTP Joint more than one joint both feet	1	0.0072%
19.2	MC Joint 1st	10	0.0724%
19.21	MC Joint 1st both feet	3	0.0217%
19.22	MC Joint 2nd	26	0.1883%
19.23	MC Joint 2nd both feet	18	0.1304%
19.24	MC Joint 3rd	4	0.0290%
19.25	MC Joint 3rd both feet	1	0.0072%
19.31	Intermetatarsal facet 1/2 both feet	1	0.0072%
19.32	Intermetatarsal facet 2/3	72	0.5216%
19.33	Intermetatarsal facet 2/3 both feet	12	0.0869%
19.34	Intermetatarsal facet 3/4	51	0.3694%
19.35	Intermetatarsal facet 3/4 both feet	5	0.0362%
19.4	Met-cuboid Joint	4	0.0290%
19.41	Met-cuboid Joint both feet	2	0.0145%
19.5	Talo-navicular Joint	7	0.0507%
19.6	Subtalar Joint (sinus tarsi)	7	0.0507%
19.7	Talo-crural Joint Ankle Mortice	12	0.0869%
19.71	Talo-crural Joint Mortice both feet	2	0.0145%
20.1	First MTPJ single foot	2	0.0145%
20.11	First MTPJ both feet	1	0.0072%
21	FASCIA SURGERY (unspec)	8	0.0580%
21.1	Fascia excision central section complete or partial	1	0.0072%
21.4	fasciotomy division of fascia medial heel without optical guide	3	0.0217%
21.5	Excision of plantar fibroma	8	0.0580%
22	SKIN INCISION / EXCISION skin with ellipse and simple closure	116	0.8403%
22.1	excision of skin by punch biopsy	4	0.0290%
22.12	excision of skin by shave biopsy	1	0.0072%
22.2	cautery of skin single eg verruca or granuloma	19	0.1376%
22.21	cautery of skin more than three	5	0.0362%
22.4	cryosurgery skin single Nitrous oxide single	76	0.5505%
23	NEURECTOMY INTERDIGITAL / INTERMETATARSAL (Unspecified)	151	1.0938%
23.1	Neuroma dorsal approach	392	2.8396%
23.11	Neuroma plantar approach	31	0.2246%
23.12	Neuroma interdigital approach	4	0.0290%
23.13	Neuroma sulcus approach	1	0.0072%
23.14	Neuroma double dorsal id/im approach 2 spaces	23	0.1666%
23.15	Neuroma double dorsal id/im approach 2 spaces both feet	1	0.0072%
23.2	NERVE RELEASE OR DECOMPRESSION	14	0.1014%
23.22	interdigital 3/4 release of ligament only one foot	1	0.0072%
23.25	tarsal tunnel release	3	0.0217%
24	OSTEOTRIPSY DIGITAL (spec.)	18	0.1304%
24.12	phalangeal head of toe multiple toes same foot	1	0.0072%
25	Osteotripsy bone reduction NON SPECIFIC Excludes calaneus	2	0.0145%
		13,805	100.0000%

Code	Name	Count	Percentage
26	TENDON ACHILLES LENGTHENING (closed)	4	0.0290%
26.1	tendo achilles percutaneous	6	0.0435%
27	TENDON ACHILLES LENGTHENING (open)	9	0.0652%
28	TENDON GASTROCNEMIUS (Open)	4	0.0290%
28.1	gastroc recession single	11	0.0797%
29	TENDON LENGTHENING (Unspec.) Small Tendons of foot	108	0.7823%
29.1	extensor tendon hallucis single	58	0.4201%
29.12	extensor tendon digitorum (longus or brevis or both) single	112	0.8113%
29.13	extensors 2-5 more than one	4	0.0290%
29.14	TENDON LENGTHENING (Unspec.) both feet	2	0.0145%
29.16	extensor tendon digitorum (longus or brevis or both) single both feet	11	0.0797%
29.18	multiple extensors 2-5 more than one, both feet	2	0.0145%
29.2	TENOTOMY extensor / flexor (digital only)	189	1.3691%
29.21	Tenotomy subcutaneous two or more but less than 4 see 29.22	3	0.0217%
29.22	Tenotomy subcutaneous where all 2-5 included	1	0.0072%
29.3	Tenotomy (OPEN) single extensor	43	0.3115%
29.31	Tenotomy open two extensors	7	0.0507%
29.32	Tenotomy open three extensors or more	1	0.0072%
29.5	TENDON TRANSFER (unspec)	8	0.0580%
29.51	Tendon transfer FDL	5	0.0362%
29.52	Tendon Flexor to Extensor in lesser toe	72	0.5216%
29.53	Tendon STATT	3	0.0217%
29.54	Tendon Kidner advancement	9	0.0652%
29.56	Tendon transfer peroneal for ankle stabilization	1	0.0072%
29.57	Tendon hallux Jones suspension for trigger toe used without arthrodesis	2	0.0145%
30	NAIL SURGERY PHENOL (unspec) single	544	3.9406%
30.1	PARTIAL phenolisation ablation matricectomy single side	762	5.5197%
30.11	phenolisation and partial ablation matricectomy both sides same toe	397	2.8758%
30.12	phenolisation and partial ablation matricectomy two sides different toes	124	0.8982%
30.13	as above 30.12 but one side both hallux both feet	36	0.2608%
30.14	phenolisation more than two sides one foot	3	0.0217%
30.15	phenolisation more than two sides both feet	22	0.1594%
30.2	TOTAL NAIL AVULSION excision of whole nail by phenolisation single toe	322	2.3325%
30.21	Avulsion of two nails by phenolisation same foot	7	0.0507%
30.22	Avulsion of two nails by phenolisation both feet	34	0.2463%
30.23	Avulsion of three nails or more by phenolisation same foot	1	0.0072%
30.24	Avulsion of three nails or more by phenolisation both feet	3	0.0217%
30.3	Single AVULSION alone without nail destruction	33	0.2390%
30.31	avulsion of two nails only	16	0.1159%
31	PARTIAL NAIL EXCISION surgical unspec single side (Winograd pattern)	111	0.8041%
31.1	both sides hallux same foot	20	0.1449%
31.11	single side both hallux	4	0.0290%
31.12	both sides both hallux	13	0.0942%
31.13	multiple sides one foot	2	0.0145%
31.14	multiple sides both feet	2	0.0145%
		13,805	100.0000%

Code	Name	Count	Percentage
31.2	ZADIK MATRICECTOMY pattern whole nail hallux one foot	20	0.1449%
31.21	Zadik pattern whole nail both hallux	2	0.0145%
31.22	Zadik pattern whole nail more than one nail same foot	5	0.0362%
31.3	NAIL BED EXCISION with phalanx excision/skin retained part or whole hallux one foot	1	0.0072%
31.5	subungual exostectomy	25	0.1811%
31.51	subungual exostectomy single foot gt. Toe	17	0.1231%
31.51	subungual exostectomy gt toe both feet	3	0.0217%
32	EXCISION LESIONS UNDER SKIN (tumours)	40	0.2898%
32.1	Biopsy of subcutaneous tissue	14	0.1014%
32.2	excision lesion under skin small swelling eg inclusion body	23	0.1666%
32.21	excision subcutaneous swelling organised (not ganglion) discreet under 2cm	40	0.2898%
32.22	large extensive swelling across part or whole plantar foot greater than 2cm	3	0.0217%
32.23	removal of organised necrotic tissue with skin under 2cm	1	0.0072%
32.24	removal of organised necrotic tissue with skin under greater than 2cm	4	0.0290%
33	SKIN PLASTIC SURGERY (SKIN PLASTY / FLAPS / GRAFTS)	15	0.1087%
33.1	VY plasty over mtpj of toe single digit	14	0.1014%
33.12	Z lengthening over mtpj single toe	15	0.1087%
33.14	desyndactylisation of toe	1	0.0072%
33.16	syndactylisation of toe	15	0.1087%
33.17	syndactylisation of toes, multiple	3	0.0217%
33.2	single lobed Schrudde flap (Rotational flap) any site on foot	9	0.0652%
33.21	double lobed Schrudde flap	1	0.0072%
34.2	tendo-achilles tendon grafted with other tendon	2	0.0145%
47	HARDWARE REMOVAL screws, pins, wires and plates	386	2.7961%
47.1	staple	5	0.0362%
47.31	internal K wire smooth	5	0.0362%
47.31	internal K wire threaded design	6	0.0435%
47.41	Screw solid design partially threaded AO	3	0.0217%
47.42	screw solid design fully threaded AO	6	0.0435%
47.43	self tapping screw titanium eg M3X	1	0.0072%
47.44	screw cannulated	16	0.1159%
47.5	plate	11	0.0797%
48	ARTHROSCOPY	2	0.0145%
49	METATARSAL HEAD EXCISION	38	0.2753%
49.1	single head resection	9	0.0652%
49.11	more than one head resection	7	0.0507%
50	PROSTHETIC REPLACEMENT JOINT FIRST MTP	2	0.0145%
50.11	prosthetic joint single plastic	3	0.0217%
50.12	prosthetic joint double stem silastic Swanson pattern	40	0.2898%
50.13	prosthetic joint double stem silastic other pattern	20	0.1449%
50.2	two-part metal any design	2	0.0145%
50.4	PROSTHETIC SPACER IN MTP LESSER TOES	1	0.0072%
50.41	single MTPJ one foot	2	0.0145%
50.5	PROSTHETIC SPACER IN PIPJ LESSER TOES	3	0.0217%
50.6	prosthetic resurfacing of metatarsal head	10	0.0724%
		13,805	100.0000%

Code	Name	Count	Percentage
51	PROSTHETIC REMOVAL TOE JOINT prosthetic removal unspec.	5	0.0362%
51.1	removal silastic implant single first toe	4	0.0290%
51.2	removal of 2-part metal implant	1	0.0072%
52	Subtalar arthroeresis blocking operation for flat foot	9	0.0652%
52.1	MBA, Hyprocur or similar blocking operation for flat foot one foot	1	0.0072%
54	excision of ganglion	116	0.8403%
55	Excision lesion of tendon	13	0.0942%
55.1	Excision of foreign body (e.g. glass)	8	0.0580%
54.1	Bursa excision	64	0.4636%
56	EXCISION OF BONE FRAGMENT (separated by fibrous material)	4	0.0290%
56.2	from midfoot	1	0.0072%
57	EXCISION OF SESAMOID or ACCESSORY BONE	14	0.1014%
57.21	medial sesamoid first metatarsal	8	0.0580%
57.22	lateral sesamoid first metatarsal	2	0.0145%
57.23	both sesamoids first metatarsal	4	0.0290%
57.24	sesamoid shave	15	0.1087%
57.3	navicular	2	0.0145%
57.5	calcaneus	2	0.0145%
57.61	os trigonum ankle	1	0.0072%
57.62	fibula ankle	3	0.0217%
58	JOINT ANALYSIS AND BIOPSY (OPEN)	3	0.0217%
59	BONE LESION PATHOLOGY (NB histology intended)	3	0.0217%
59.1	excision of cyst with or without infil by currette Not SUEx.	43	0.3115%
59.2	simple osteophytic nibbling (exclude for large resection i.e cheilectomy 14)	11	0.0797%
59.3	needle biopsy of bone	9	0.0652%
59.4	small excision of bone in the foot up to size of phalanx	6	0.0435%
59.5	medium excision of bone in the foot up to size of lesser metatarsal	2	0.0145%
60	OPEN REDUCTION INTERNAL FRACTURE (ORIF)	4	0.0290%
61	REPAIR OF TENDON PRIMARY	35	0.2535%
62	CONVERSION TO FUSE JOINT WITH GRAFT	1	0.0072%
62.2	first MTPJ from implanted prosthesis	4	0.0290%
63.1	use of implant as secondary procedure for joint first MTPJ	4	0.0290%
63.2	excision of joint to form arthroplasty first MTPJ	2	0.0145%
64.1	osteotomy of cuneiform	2	0.0145%
65	OSTEOTOMY OF CALCANEUS division of bone	6	0.0435%
65.1	Open wedge calcaneus Evans pattern	4	0.0290%
65.2	medial displacement	6	0.0435%
65.4	Keck & Kelly	3	0.0217%
65.7	Dwyer varus reduction	2	0.0145%
66	HARVEST BONE GRAFT	39	0.2825%
67	REPAIR WITH BONE GRAFTING	18	0.1304%
68	WOUND MANAGEMENT	23	0.1666%
68.1	incision and drainage of surgical wound with or without packing	32	0.2318%
68.2	currette to vascularise slow healing wound & remove slough	5	0.0362%
68.3	trim and excise wound edges with or without slough removal as above	4	0.0290%
		13,805	100.0000%

Code	Name	Count	Percentage
68.3	drain ulcer specifically eg diabetic	19	0.1376%
68.4	incision and drainage of abscess	2	0.0145%
69	REPAIR OF CAPSULE OF JOINT FOR STABILIZATION	138	0.9996%
70	STEROID INJECTION (soft tissue) non specific	209	1.5139%
70.1	Single one foot	3	0.0217%
70.12	Intermetatarsal Space	24	0.1739%
20.20	Needling dry injection technique	5	0.0362%
76	Manipulation under anaesthetic (unspec anaesthetic)	13	0.0942%
77	Chondroplasty	1	0.0072%
14.7	Dorsal exostectomy 2nd metatarsocuneiform joint one foot	23	0.1666%
14.72	Mid foot plantar exostectomy	9	0.0652%
		13,805	100.0000%

## Invasive Fixations



**Date Range:** All events between 01/01/2021 and 31/12/2021

**Centres:** All Permitted Centres (376)

**Clinicians:** All Permitted Clinicians (1213)

**Total number of centres:** 116

**Total number of episodes:** 8714

**Total number of treatments:** 9605

Code	Name	Quantity: Count	Count (%)	Quantity: Average	Average (%)
00	No Fixation	3	0.0278%	0.01	0.0249%
01	Staple	105	0.9716%	1.01	3.3465%
02	Wire external	1,078	9.9750%	1.68	5.5831%
03	Wire: internal (not specified)	91	0.8420%	1.23	4.0761%
03.1	Wire: internal - threaded	680	6.2922%	1.12	3.7133%
03.2	Wire: internal - smooth	217	2.0080%	1.36	4.4955%
04	Screw (not specified)	828	7.6617%	3.14	10.3959%
04.1	Screw - standard AO or equivalent	3,283	30.3785%	2.81	9.3247%
04.2	Screw - self tapping	976	9.0312%	2.63	8.7199%
04.3	Screw - cannulated	2,320	21.4676%	2.02	6.7044%
05	Joint replacement - not specified	15	0.1388%	1.15	3.8246%
05.1	Joint replacement - single part plastic	44	0.4071%	0.96	3.1705%
05.2	Joint replacement - two-part metal / plastic	6	0.0555%	1.00	3.3146%
06	Plate: standard design	38	0.3516%	1.06	3.4988%
06.1	Plate: locking design	657	6.0794%	1.05	3.4732%
07	Drain	6	0.0555%	1.00	3.3146%
08	Tissue anchor	92	0.8513%	1.18	3.9096%
09	Bone graft (not specified)	5	0.0463%	1.25	4.1433%
09.1	Autograft	5	0.0463%	1.25	4.1433%
		10,807	100.0000%		



Code	Name	Quantity: Count	Count (%)	Quantity: Average	Average (%)
09.2	Allograft	1	0.0093%	1.00	3.3146%
10	Stent: STJ arthroeresis	4	0.0370%	1.00	3.3146%
12.0	Implantable device for digital arthrodesis e.g Smart toe	353	3.2664%	1.27	4.1938%
		10,807	100.0000%		

## Invasive Anaesthesia



ROYAL COLLEGE  
of PODIATRY

**Date Range:** All events between 01/01/2021 and 31/12/2021

**Centres:** All Permitted Centres (376)

**Clinicians:** All Permitted Clinicians (1213)

**Total number of centres:** 116

**Total number of episodes:** 8714

**Total number of treatments:** 9605

Name	Count	Percentage
Nil. No anaesthetic	1,500	15.6169%
Local (e.g. infiltration, digital, internet)	3,000	31.2337%
Local anaesthetic agent used for analgesia guided by ultrasound for invasive treatment	483	5.0286%
Local with sedative (e.g. digital)	69	0.7184%
Injection of analgesic block guided with Ultrasound but may include sedation / general anaesthetic	392	4.0812%
Regional ankle	2,244	23.3628%
Regional ankle with sedative	287	2.9880%
Regional ankle with general	351	3.6543%
Regional leg (eg popliteal)	732	7.6210%
Regional leg with sedative (eg popliteal)	64	0.6663%
Regional leg with general (eg popliteal)	61	0.6351%
General anaesthesia	125	1.3014%
Spinal / epidural	20	0.2082%
General anaesthesia with local block	277	2.8839%
	9,605	100.0000%

## Invasive Demographics



ROYAL COLLEGE  
of PODIATRY

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Age Range	Male	Male %	Female	Female %	Other	Other %	Prefer not to say	Prefer not to say %	Total	Total %
0 - 4	18	0.2115%	19	0.2232%	1	0.0117%	1	0.0117%	39	0.4582%
5 - 9	8	0.0940%	3	0.0352%	0	0.0000%	0	0.0000%	11	0.1292%
10 - 14	194	2.2794%	136	1.5979%	0	0.0000%	0	0.0000%	330	3.8773%
15 - 19	366	4.3003%	207	2.4321%	0	0.0000%	0	0.0000%	573	6.7325%
20 - 24	208	2.4439%	208	2.4439%	0	0.0000%	0	0.0000%	416	4.8878%
25 - 29	152	1.7859%	252	2.9609%	0	0.0000%	0	0.0000%	404	4.7468%
30 - 34	117	1.3747%	175	2.0562%	0	0.0000%	0	0.0000%	292	3.4309%
35 - 39	110	1.2924%	225	2.6436%	0	0.0000%	0	0.0000%	335	3.9361%
40 - 44	126	1.4804%	274	3.2194%	0	0.0000%	0	0.0000%	400	4.6998%
45 - 49	166	1.9504%	394	4.6293%	0	0.0000%	0	0.0000%	560	6.5797%
50 - 54	212	2.4909%	653	7.6724%	0	0.0000%	0	0.0000%	865	10.1633%
55 - 59	246	2.8904%	762	8.9531%	0	0.0000%	0	0.0000%	1,008	11.8435%
60 - 64	241	2.8316%	704	8.2716%	0	0.0000%	0	0.0000%	945	11.1033%
65 - 69	210	2.4674%	530	6.2272%	0	0.0000%	0	0.0000%	740	8.6946%
70 - 74	211	2.4791%	481	5.6515%	0	0.0000%	0	0.0000%	692	8.1307%
75 - 79	142	1.6684%	360	4.2298%	0	0.0000%	0	0.0000%	502	5.8982%
80 - 84	89	1.0457%	140	1.6449%	0	0.0000%	0	0.0000%	229	2.6906%
85 - 89	43	0.5052%	47	0.5522%	0	0.0000%	0	0.0000%	90	1.0575%
90 - 94	11	0.1292%	12	0.1410%	0	0.0000%	0	0.0000%	23	0.2702%
95 - 99	0	0.0000%	2	0.0235%	0	0.0000%	0	0.0000%	2	0.0235%
100+	21	0.2467%	34	0.3995%	0	0.0000%	0	0.0000%	55	0.6462%
	2,891	33.9678%	5,618	66.0087%	1	0.0117%	1	0.0117%	8,511	100.0000%
Average	45.91		53.43		0.00		0.00		50.86	
Std. Deviation	23.24		18.74		0.00		0.00		20.70	

## Invasive Medications



ROYAL COLLEGE  
of PODIATRY

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Code	Name	Count	Percentage
4.3.11	Amitriptyline Hydrochloride	6	0.0450%
5.1.1.32	Amoxicillin	44	0.3297%
10.1.1.14	Aspirin	1	0.0075%
2.9.11	Aspirin (Low Dose)	6	0.0450%
10.1.2.15	Prednisolone acetate	1	0.0075%
15.2.13	Bupivacaine	268	2.0079%
		13,347	100.0000%

Code	Name	Count	Percentage
15.2.14	Bupivacaine with Vasoconstrictor	2	0.0150%
4.7.21	Buprenorphine	2	0.0150%
5.1.2.13	Cefuroxime	424	3.1767%
10.1.1.1	Celecoxib	3	0.0225%
	Cerament G	1	0.0075%
	Cerament V	2	0.0150%
	Chlorphenamine Maleate	1	0.0075%
5.1.12.10	Ciprofloxacin	6	0.0450%
5.1.5.111	Clarythromycin	14	0.1049%
5.1.6.11	Clindamycin	149	1.1164%
5.1.1.33	Co-amoxiclav	133	0.9965%
4.6.15	Co-codamol 30/500mg	584	4.3755%
4.6.14	Co-codamol 15/500mg	99	0.7417%
4.6.13	Co-codamol 8/500mg	241	1.8056%
4.7.22	Codeine Phosphate	1,374	10.2944%
4.6.16	Co-dydramol 10/500mg	249	1.8656%
4.6.11	Cyclizine	3	0.0225%
10.1.2.10	Dexamethasone Phosphate	2	0.0150%
15.1.4.11	Diazepam	115	0.8616%
10.1.1.2	Diclofenac Sodium	100	0.7492%
4.7.23	Dihydrocodeine Tartrate	201	1.5060%
5.1.5.12	Doxycycline	18	0.1349%
2.8.12	Enoxaparin	234	1.7532%
2.8.14	Tinzaparin Sodium	125	0.9365%
5.1.5.11	Erythromycin	30	0.2248%
2.8.15	Dalteparin	446	3.3416%
10.1.1.4	Etodolac	1	0.0075%
4.7.24	Fentanyl	2	0.0150%
5.1.1.20	Flucloxacillin	1,237	9.2680%
4.7.31	Gabapentin	10	0.0749%
5.1.4.11	Gentamicin	317	2.3751%
2.8.11	Heparin	33	0.2472%
10.3.1.10	Hyaluronidase	70	0.5245%
6.3.2.11	Hydrocortisone	8	0.0599%
10.1.1.5	Ibuprofen	1,703	12.7594%
10.1.1.6	Indomethacin	1	0.0075%
1.6.40	Lactulose	3	0.0225%
1.3.12	Lansopazole	18	0.1349%
15.2.15	Levobupivacaine	705	5.2821%
15.2.11	Lidocaine	176	1.3186%
15.2.12	Lidocaine with Vasoconstrictor	24	0.1798%
15.1.4.12	Lorazepam	48	0.3596%
10.1.1.9	Meloxicam	2	0.0150%
15.2.18	Mepivacaine	179	1.3411%
10.1.2.12	Methylprednisolone Acetate	590	4.4205%
		13,347	100.0000%

Code	Name	Count	Percentage
15.1.4.14	Morphine	133	0.9965%
10.1.1.11	Naproxen	118	0.8841%
4.7.1	Nefopam Hydrochloride	41	0.3072%
1.3.13	Omeprazole	49	0.3671%
4.6.12	Paracetamol 500mg	2,138	16.0186%
4.7.32	Pregabalin	7	0.0524%
15.2.16	Prilocaine	22	0.1648%
	Rivaroxaban	12	0.0899%
15.2.17	Ropivacaine	4	0.0300%
	Stimulan impregnated with Gentamicin and Vancomycin	22	0.1648%
5.1.7.13	Teicoplanin	656	4.9150%
15.1.4.14	Temazepam	6	0.0450%
4.7.25	Tramadol HCl	85	0.6368%
10.1.2.13	Triamcinolone Acetonide	1	0.0075%
15.4.01	Mepivacaine	15	0.1124%
5.1.8.10	Trimethoprim	1	0.0075%
5.1.7.12	Vancomycin	26	0.1948%
		13,347	100.0000%

## Invasive Post Treatment Sequellae



ROYAL COLLEGE  
of PODIATRY

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Code	Name	Sequellae	Sequellae %	Episodes	Episodes %
NA	No observed sequella	2,015	83.8535%	1,717	71.6611%
CAL	Pain: Callus or IPK formation	6	0.2497%	6	0.2504%
DVT	Morbidity: Deep vein thrombosis proven	2	0.0832%	2	0.0835%
IMPL	Pain: Fixation problem: removal required includes any implanted material	21	0.8739%	18	0.7513%
HTM	Pain:Haematoma	3	0.1248%	3	0.1252%
BUND	Healing: Bone union delay	8	0.3329%	8	0.3339%
DHC	Healing: wound dehiscence	32	1.3317%	28	1.1686%
SWB	Healing: ischaemia/necrosis	1	0.0416%	1	0.0417%
BKD	Healing: wound breakdown, surgery may be required	7	0.2913%	6	0.2504%
SCR	Pain: Scar line hypertrophy / Keloid may not be painful	11	0.4578%	11	0.4591%
INF+2	Infection: fulminating infection, includes gangrene, necrotising fasciitis	1	0.0416%	1	0.0417%
INF +	Infection: proven	26	1.0820%	24	1.0017%
		2,403	100.0000%		

Code	Name	Sequellae	Sequellae %	Episodes	Episodes %
OML	Infection: Osteomyelitis	3	0.1248%	2	0.0835%
INFS	Infection: suspected/not proven	61	2.5385%	58	2.4207%
FMET	Pain:Metatarsal fracture	16	0.6658%	16	0.6678%
NRG	Nail regrowth following surgery	8	0.3329%	6	0.2504%
PNSS	Pain: surgical site beyond six weeks	21	0.8739%	21	0.8765%
RxP	Pain: excessive post treatment pain (first 72 hours)	17	0.7074%	16	0.6678%
JPS	Pain: Joint pain and stiffness after 3 mos	30	1.2484%	29	1.2104%
NCP	Iatrogenic: Patient non compliance	10	0.4161%	10	0.4174%
PONV	Iatrogenic: Post operative nausea and vomiting (PONV)	6	0.2497%	6	0.2504%
PE	Morbidity: Pulmonary embolism	1	0.0416%	1	0.0417%
NS-0	Functional Loss: Sensory loss small	5	0.2081%	5	0.2087%
SABR	Healing: stitch abscess or suture reaction	25	1.0404%	25	1.0434%
FTX	Iatrogenic: Surgery failed e.g. recurrence, digital floating, hallux varus	34	1.4149%	33	1.3773%
OED	Healing: Swelling beyond 4 months	16	0.6658%	15	0.6260%
TMET	Pain: Transfer metatarsalgia	17	0.7074%	16	0.6678%
		2,403	100.0000%		

## Invasive PSQ10 Response



ROYAL COLLEGE  
of PODIATRY

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### Q2 Where the risks from the surgery explained?

Yes	1358	97.9%
Not sure	9	0.6%
No	1	0.1%
Not stated	19	1.4%

### Q3 Did you know what to do if you needed assistance?

Yes	1324	95.5%
Not sure	10	0.7%
No	19	1.4%
Not stated	34	2.5%

### Q4 Did you have a problem after your operation?

No	1100	79.3%
A minor problem	238	17.2%
A major problem	27	1.9%
Not stated	22	1.6%

### Q4a If 'Yes' to Q4, what did you do?

Not applicable	1122	80.9%
Waited	41	3.0%
Earlier appointment	143	10.3%
Called out podiatrist	5	0.4%
Verbal advice	37	2.7%
Went to A&E	12	0.9%
Other	21	1.5%
Not stated	6	0.4%

### Q4c If 'Yes' to Q4, how was speed of response?

Not applicable	1122	80.9%
Slow to respond	6	0.4%
Satisfactory	61	4.4%
Fast to respond	147	10.6%
Not stated	51	3.7%

### Q4d If 'Yes' to Q4, how would you say your problem was dealt with?

Not applicable	1122	80.9%
Poorly	6	0.4%
Cannot tell	29	2.1%
Satisfactorily	45	3.2%
Excellent	167	12.0%
Not stated	18	1.3%

**Q5 Was your pain medication adequate after surgery?**

Ineffective	51	3.7%
Some discomfort	720	51.9%
Excellent	583	42.0%
Not stated	33	2.4%

**Q6 When could you get back in to your shoes?**

By 2 weeks	365	26.3%
By 4 weeks	348	25.1%
By 6 weeks	294	21.2%
By 8 weeks	216	15.6%
By 12 weeks	49	3.5%
By 6 months	47	3.4%
After 6 months	35	2.5%
Not stated	33	2.4%

**Q7 Do you still have discomfort from your original foot condition?**

At rest	86	6.2%
When standing	45	3.2%
Standing long time	98	7.1%
Occasional twinge	516	37.2%
No discomfort	616	44.4%
Not stated	26	1.9%

**Q8 How is your original problem?**

Deteriorated	22	1.6%
A little worse	41	3.0%
The same	54	3.9%
Better	281	20.3%
Much better	971	70.0%
Not stated	18	1.3%

**Q9 Would you have surgery again under the same circumstances?**

Yes	1318	95.0%
No	50	3.6%
Not stated	19	1.4%

**Q10 Were the original expectations that you stated at the beginning met?**

Yes	1187	85.6%
In part	148	10.7%
No	36	2.6%
Not stated	16	1.2%

No. of PSQ10 Events      1387      Average Score      87.79      Standard Deviation      14.49

**Invasive MOXFQ**

**ROYAL COLLEGE**  
**of PODIATRY**

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**Centres:** All Permitted Centres (376)

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**Total number of centres:** 116

**Total number of episodes:** 8714

**Total number of treatments:** 9605

Number of episodes	Episodes with only Pre-MOXFQ or Post-MOXFQ				Episodes with both Pre-MOXFQ and Post-MOXFQ			
	Pre-treatment		Post-treatment		Pre-treatment		Post-treatment	
	Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.
WS	52.576	26.656	32.093	30.048	53.136	25.994	15.113	23.547
SI	48.317	25.777	30.807	30.839	48.202	24.88	12.611	21.229
P	55.649	22.261	35.333	28.259	56.26	21.702	18.471	22.551