

APPENDIX

Appendix A. International Classification of Disease (ICD) 10th revision codes for kidney stones.

ICD-10 code	Definition
A) N13.6	Kidney infection with obstruction
B) N20.0	Renal calculi
C) N20.1	Ureteral calculi
D) N20.2	Renal and/or ureteral calculi
E) N20.9 and/or N13.2 or N23	Urinary calculi Hydronephrosis w/renal and ureteral calculus obstruction Renal colic

Ordon et al. Incidence and trends in the treatment of kidney stones in Canada: A population-based cohort study

Appendix B. Canadian Classification of Intervention (CCI) codes for kidney stone interventions.

CCI codes	CCI definition	Study definition
1PG57BAAM, 1PG57BAGX, 1PG59BAAG, 1PG59BAAS, 1PG59BAAT, 1PG59BAAZ, 1PG59BAGX, 1PG59BAX7	Extraction and destruction, ureter, endoscopic approach	Ureteroscopy
1PE57BAAM, 1PE57BAGX, 1PE59BAAG, 1PE59BAAS, 1PE59BAAT, 1PE59BAAZ, 1PE59BAGX, 1PE59BAX7	Extraction and destruction, renal pelvis, endoscopic approach	Ureteroscopy
1PG59KQAP, 1PG59KQAQ, 1PG59KQAR	Shockwave lithotripsy (ureteric stone)	Shockwave lithotripsy
1PE59KQAP, 1PE59KQAQ, 1PE59KQAR	Shockwave lithotripsy (renal stone)	Shockwave lithotripsy
1PE57DTAM, 1PE57DTGX, 1PE57DTBD	Endoscopic approach [nephrotomy, percutaneous antegrade] with calculi/stone extraction, using basket device or other device NEC [e.g., forces, meatome] or balloon dilator and (mechanical) device	Percutaneous Nephrolithotomy
1PG52	Drainage ureter, includes insertion of ureterostomy tube for drainage	Ureteric Stent insertion
1PE52	Drainage, renal pelvis using percutaneous approach with insertion of tube (e.g., nephrostomy)	Percutaneous nephrostomy tube insertion

Supplementary Table 1A. The number of index definitive kidney stone interventions over the study time frame stratified by province											
Intervention (Index only)	Overall	Hospital province									
		BC	AB	SK	MN	ON	NB	NS	PEI	NL	Territories
URS	135 598	22 712	23 339	4510	3386	65 040	4296	7931	688	3626	70
SWL	36 416	10 528	2099	1578	4829	9863	777	3781	16	2908	37
PCNL	12 359	2156	2167	233	442	5684	482	630	14	544	7

Supplementary Table 1B. The number of index and repeated definitive kidney stone interventions over the study time frame stratified by province											
Intervention (Index and repeated)	Overall	Hospital province									
		BC	AB	SK	MN	ON	NB	NS	PEI	NL	Territories
URS	149 120	25 096	25 340	4823	3544	71 802	4745	9027	757	3906	80
SWL	44 981	11 660	2356	1983	6659	11 862	1070	5439	16	3898	38
PCNL	12 701	2199	2182	238	450	5873	500	672	14	566	7