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Supplemental Table 1. All diagnostic codes

Diagnosis	ICD-9 Codes
Kidney Stone	592.0, 592.1, 592.9, 274.11, 270.0, 271.8, 55.03, 55.04, 55.92, 56.0, 56.2, 59.8, 59.95, 98.51
Hypertension	401, 401.0, 401.00, 401.01, 401.02, 401.03, 401.04, 401.05, 401.06, 401.07, 401.08, 401.09, 401.1, 401.10, 401.11, 401.12, 401.13, 401.14, 401.15, 401.16, 401.17, 401.18, 401.19, 401.2, 401.20, 401.21, 401.22, 401.23, 401.24, 401.25, 401.26, 401.27, 401.28, 401.29, 401.3, 401.30, 401.31, 401.32, 401.33, 401.34, 401.35, 401.36, 401.37, 401.38, 401.39, 401.4, 401.40, 401.41, 401.42, 401.43, 401.44, 401.45, 401.46, 401.47, 401.48, 401.49, 401.5, 401.50, 401.51, 401.52, 401.53, 401.54, 401.55, 401.56, 401.57, 401.58, 401.59, 401.6, 401.60, 401.61, 401.62, 401.63, 401.64, 401.65, 401.66, 401.67, 401.68, 401.69, 401.7, 401.70, 401.71, 401.72, 401.73, 401.74, 401.75, 401.76, 401.77, 401.78, 401.79, 401.8, 401.80, 401.81, 401.82, 401.83, 401.84, 401.85, 401.86, 401.87, 401.88, 401.89, 401.9, 401.90, 401.91, 401.92, 401.93, 401.94, 401.95, 401.96, 401.97, 401.98, 401.99
Gout	274.9, 274.89, 274.03, 274.01, 274.00, 274.02
	CPT Codes
Kidney Stone Procedure	50060, 50065, 50070, 50075, 50080, 50081, 50130, 50135, 50561, 50580, 50590, 50610, 50620, 50630, 50945, 50961, 50980, 51060, 51065, 52320, 52325, 52330, 52353

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Supplemental Table 2. Geographic region codes

Region	Veterans Integrated Service Networks (VISN)
Northeast	VISN 1: VA New England Healthcare System
	VISN 2: New York/New Jersey VA Health Care Network
	VISN 4: VA Healthcare - VISN 4
	VISN 5: VA Capitol Health Care Network
Southeast	VISN 6: VA Mid-Atlantic Health Care Network
	VISN 7: VA Southeast Network
	VISN 8: VA Sunshine Healthcare Network
	VISN 9: VA MidSouth Healthcare Network
	VISN 10: VA Healthcare System
Midwest	VISN 12: VA Great Lakes Health Care System
	VISN 15: VA Heartland Network
	VISN 16: South Central VA Health Care Network
	VISN 17: VA Heart of Texas Health Care Network
West	VISN 23: VA Midwest Health Care Network
	VISN 19: Rocky Mountain Network
	VISN 20: Northwest Network
	VISN 21: Sierra Pacific Network
	VISN 22: Desert Pacific Healthcare Network

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Supplemental Table 3. Clinic visit codes

	Provider Codes	Clinic Stop Codes
Nephrology	070929, 114212	39, 313
Urology	070951, 118200, 118000, 183400	414
Nutrition/Dietitian		14, 123, 124, 175, 708

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Supplemental Table 4. Laboratory codes

24-hour urine

analyte	LOIN-C Code
Calcium	6874-2, 14637-3, 18488-7, 25362-6, 35248-4, 40999-5, 42673-4, 81623-1, 38251-5, 34736-9, 13717-4, 50839-0
Oxalate	27222-9, 2701-1, 34349-1, 13788-5
Citrate	6687-8, 21203-5, 14650-6, 25876-4, 44306-9
Sulfate	12920-5, 26888-8, 26889-6, 39576-4, 62489-0
Uric acid	14935-1, 21587-1, 25997-8, 3087-4, 35253-4

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Supplemental Table 5. Pharmacy codes

Drug name	VA Class Code
Hydrochlorothiazide	CV701
Chlorthalidone	CV701
Indapamide	CV701
Potassium citrate	TN478, GU900, TN430
Sodium bicarbonate	GA110, TN476, RE900
Sodium Citrate	TN440, TN478
Potassium bicarbonate	GA110, TN430
Allopurinol	MS400

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Supplemental Table 6. Change in prescriptions for stone formers without or with 24-hour urine test

	Without 24-hour urine test N=113,186	With 24-hour urine calcium N=16,202	p -value
Thiazides (N, %)	19,372 (17%)	3912 (24%)	<0.001
Thiazides (% absolute change)	0.2%	8%	<0.001
	Without 24-hour urine test N=113,186	With 24-hour urine citrate N=13,089	p -value
Alkali (N, %)	4882 (4%)	2291 (18%)	<0.001
Alkali (% absolute change)	3%	15%	<0.001
	Without 24-hour urine test N=113,186	With 24-hour urine uric acid N=4213	p -value
Allopurinol (N, %)	7511 (7%)	487 (12%)	<0.001
Allopurinol (% absolute change)	1%	7%	<0.001

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Supplemental Table 7. Number and proportion of each 24-hour urine analyte measured in stone formers with 24-hour urine test

24-hour urine analyte	<i>N</i>	% of stone formers with 24-hour urine test
Calcium	16,202	94
Citrate	13,089	76
Oxalate	12,528	72
Sulfate	3530	20
Uric Acid	4213	24

Supplemental Figure 1

