

Supplement material

Article

Validating Use of Electronic Health Data to Identify Patients with Urinary Tract Infections in Outpatient Settings

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Table S1. ICD-10 ¹ code(s) for each diagnosis and symptom.

Visit Classifications	ICD-10 ¹ Codes
UTI Related Diagnoses	
Cystitis	N30
Acute Cystitis	N30.0, N30.00, N30.01
Other Chronic Cystitis	N30.2, N30.20, N30.21
Other Cystitis	N30.8, N30.80, N30.81
Cystitis Unspecified	N30.9, N30.90, N30.91
UTI (site not specified)	N39.0
Acute Pyelonephritis	N10
Nonobstructive Reflux-Associated Chronic Pyelonephritis	N11.0
Chronic Obstructive Pyelonephritis	N11.1
Pyonephritis	N13.6
UTI Related Symptoms	
Pain Associated with Micturition	R30
Dysuria	R30.0
Frequency of Micturition	R35.0
Urgency of Urination	R39.15

¹ ICD-10 = International Classification of Disease, tenth edition.

Table S2. Visit diagnosis codes.

	Overall <i>n</i> = 829	Medicine ¹ <i>n</i> = 681	Urology <i>n</i> = 148	<i>p</i> -value ²
Acute cystitis	121 (11.3)	112 (12.1)	9 (5.6)	0.024
UTI, site not specified	694 (63.9)	562 (60.6)	132 (82.5)	<0.001
Acute pyelonephritis	6 (0.6)	4 (0.4)	2 (1.3)	0.48
Other ³	8 (0.8)	3 (0.3)	5 (3.1)	<0.006

¹Medicine includes the departments of Family Medicine and Internal Medicine. ²p-values refer to chi-square tests. ³Other includes other chronic cystitis, other cystitis, and cystitis unspecified. No diagnosis codes for nonobstructive reflux-associated chronic pyelonephritis, chronic obstructive pyelonephritis, or pyonephrosis were found.

Table S3. Visit symptom codes.

	Overall n = 1233	Medicine ¹ n = 1199	Urology n = 34	p-value²
Pain associated with micturition	524 (48.2)	515 (55.6)	9 (5.6)	<0.001
Dysuria	523 (48.1)	515 (55.6)	8 (5.0)	<0.001
Frequency of micturition	155 (14.3)	147 (15.9)	8 (5.0)	<0.001
Urgency of urination	31 (2.9)	22 (2.4)	9 (5.6)	0.043

¹Medicine includes the departments of Family Medicine and Internal Medicine. ²p-values refer to chi-square tests.

Table S4. Number of visits.

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	800	86.67	800	86.01
2	97	10.51	897	97.18
3	20	2.17	917	99.35
4	1	0.11	918	99.46
5	3	0.33	921	99.79
7	2	0.22	923	100.00