

## Supplemental Material

**Supplemental Table 1:** ICD-10 diagnosis codes used to identify urinary tract infections (UTIs)

ICD-10 Diagnosis Code	Definition
N10 <sup>a</sup>	Acute tubulo-interstitial nephritis
N11.9 <sup>a</sup>	Chronic tubulo-interstitial nephritis, unspecified
N12 <sup>a</sup>	Tubulo-interstitial nephritis, not specified as acute or chronic
N15.1 <sup>a</sup>	Renal and perinephric abscess
N15.9 <sup>a</sup>	Renal tubulo-interstitial disease, unspecified
N16 <sup>a</sup>	Renal tubulo-interstitial disorders in diseases classified elsewhere
N28.84 <sup>a</sup>	Pyelitis cystica
N28.85 <sup>a</sup>	Pyeloureteritis cystica
N28.86 <sup>a</sup>	Ureteritis cystica
N30.00 <sup>a</sup>	Acute cystitis without hematuria
N30.01 <sup>a</sup>	Acute cystitis with hematuria
N30.90 <sup>a</sup>	Cystitis, unspecified without hematuria
N30.91 <sup>a</sup>	Cystitis, unspecified with hematuria
N39.0 <sup>a</sup>	Urinary tract infection, site not specified
O23.00, O23.01, O23.02, O23.03	Infections of kidney in pregnancy
O23.10, O23.11, O23.12, O12.13	Infections of bladder in pregnancy
O23.20, O23.21, O23.22, O23.23	Infections of urethra in pregnancy
O23.30, O23.31, O23.32, O23.33	Infections of other parts of urinary tract in pregnancy
O23.40, O23.41, O23.42, O23.43	Unspecified infection of urinary tract in pregnancy

a. Codes used by the Agency for Healthcare Research and Quality 2018 Prevention Quality

Indicator 12 for Urinary Tract Infection

([https://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V2018/TechSpecs/PQI\\_12\\_Urinary\\_Tract\\_Infection\\_Admission\\_Rate.pdf](https://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V2018/TechSpecs/PQI_12_Urinary_Tract_Infection_Admission_Rate.pdf))

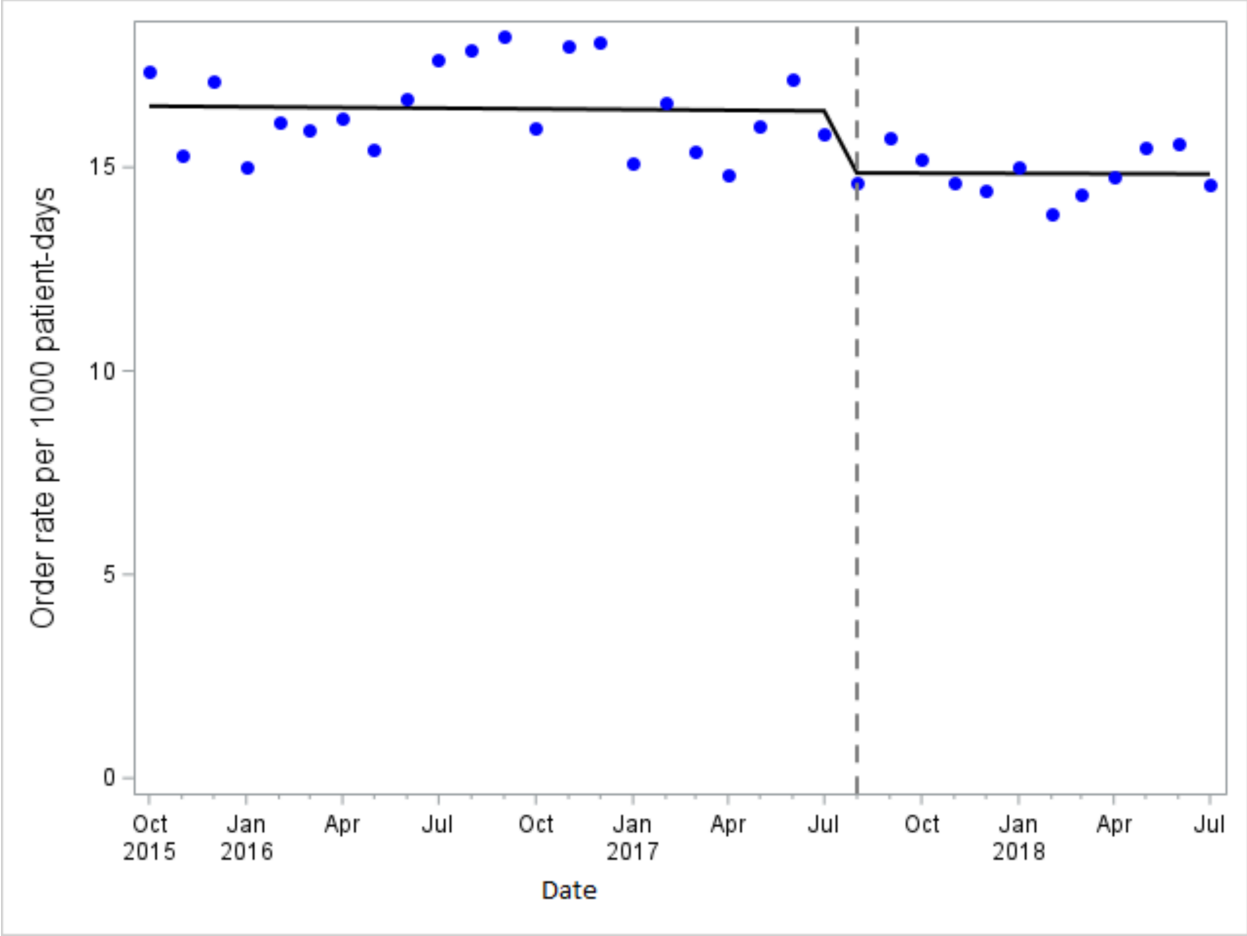
**Supplemental Table 2:** Median monthly rates of non-reflex urine cultures, total urine cultures, and urinary tract infections

	<b>Total</b>	<b>Pre-intervention</b>	<b>Post-intervention</b>	<b><i>P</i> Value<sup>a</sup></b>
Non-reflex urine culture monthly order rate <sup>b</sup> , median (IQR)	32.0 (8.9–35.5)	35.2 (33.1–35.7)	8.6 (8.2–9.0)	<0.001
Total urine culture monthly order rate <sup>b</sup> , median (IQR)	32.1 (19.6–35.5)	35.2 (33.1– 35.7)	18.6 (18.1–19.6)	<0.001
Monthly rate of urinary tract infections <sup>b</sup> , median (IQR)	15.7 (15.0–16.7)	16.1 (15.4–17.4)	14.7 (14.5–15.3)	<0.001

Abbreviations: IQR, interquartile range

a. Comparison of pre- vs. post-intervention

b. Per 1,000 patient-days



**Supplemental Figure 1:** Monthly rates of urinary tract infections per 1,000 patient-days before and after the intervention (dashed line). Data points indicate actual monthly rates. Solid line is the autoregressive model.