

Supplementary Materials

Urinary tract infections during inpatient spinal cord injury rehabilitation: a 12-year retrospective cohort

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This file contains: Supplementary Tables S1–S2 and Supplementary Figures S1–S2. The STROBE checklist is submitted separately as a related manuscript file.

Supplementary Table S1. Summary of monthly UTI incidence over the study period.

Note: Detailed month-by-month UTI incidence rates underlying this table and Supplementary Figure S1 are derived directly from the institutional analysis dataset ($n = 147$ monthly observations, January 2012 – March 2024). Annual mean rates were derived from the same data. Numerical values for each calendar month are presented graphically in Supplementary Figure S1; a tabular month-by-month listing has been prepared by the authors and is available from the corresponding author on reasonable request.

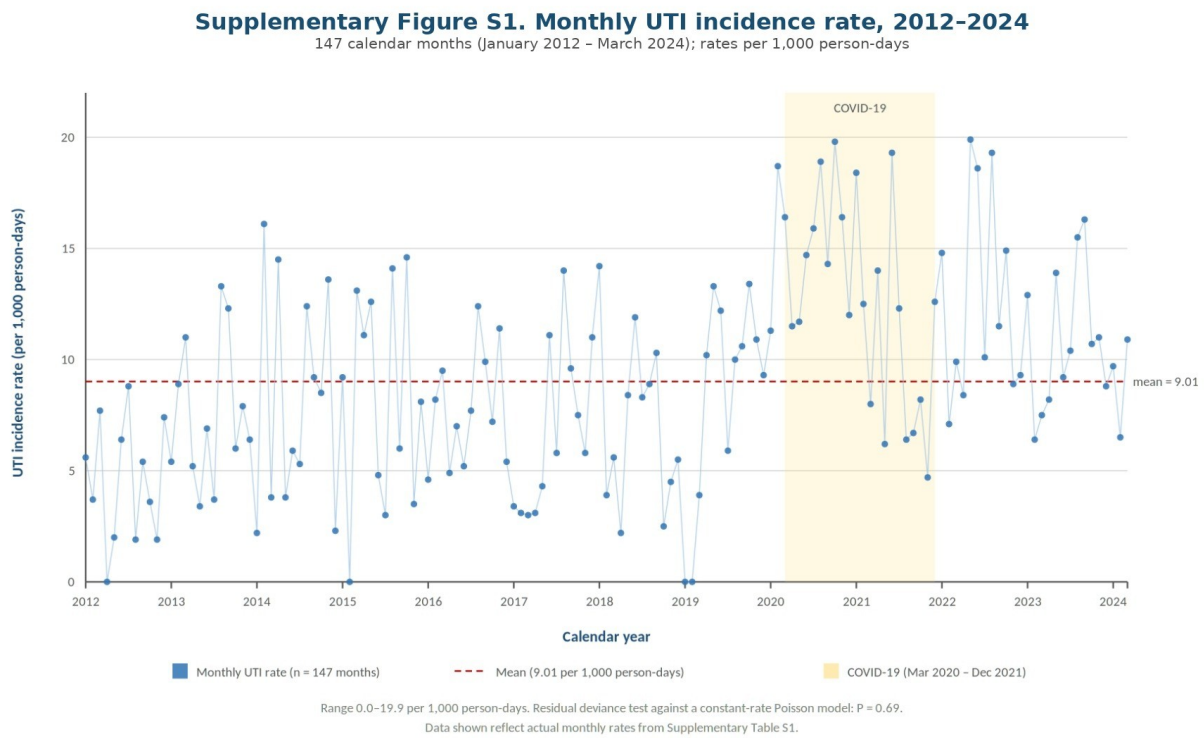
Statistic	Value (UTI events per 1,000 person-days)
Number of monthly observations	147
Cohort-level incidence rate (total events / total person-days)	8.80
Mean of monthly incidence rates	9.01
Range of monthly incidence rates	0.0 to 19.9
Approximate annual mean, 2012–2019	7 to 8
Approximate annual mean, 2020–2023	10 to 15
Goodness-of-fit (constant-rate Poisson, residual-deviance test), P	0.69

Supplementary Table S2. Summary of monthly systemic UTI incidence over the study period.

Note: "Systemic UTI" (previously "upper UTI" in the prior literature) refers to UTI episodes meeting systemic-feature criteria (fever $\geq 38^\circ\text{C}$, leukocytosis, elevated CRP, positive blood culture, or an antibiotic prescribed with an explicit upper-UTI indication such as pyelonephritis). Detailed month-by-month rates underlying this table and Supplementary Figure S2 are derived from the institutional analysis dataset and are presented graphically in Supplementary Figure S2; a tabular month-by-month listing is available from the corresponding author on reasonable request.

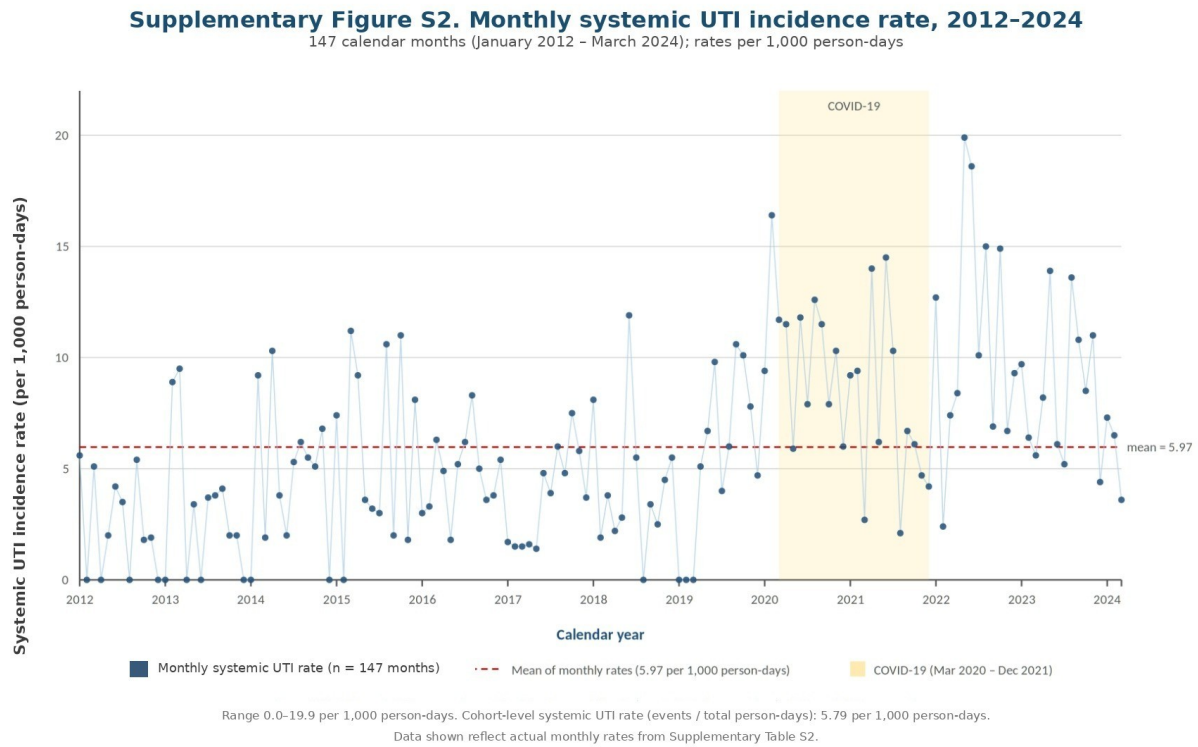
Statistic	Value (Systemic UTI events per 1,000 person-days)
Number of monthly observations	147
Cohort-level incidence rate	5.79
Mean of monthly incidence rates	5.97
Range of monthly incidence rates	0.0 to 19.9
Goodness-of-fit (constant-rate Poisson, residual-deviance test), P	0.24

Supplementary Figure S1. Monthly UTI incidence rate, 2012–2024.



Monthly UTI incidence rate per 1,000 person-days, January 2012 – March 2024. Solid line: monthly incidence rate; shaded region: COVID-19 period (March 2020 – December 2021). The visual upward shift coincident with the COVID-19 period is discussed in the main text and addressed as a limitation.

Supplementary Figure S2. Monthly systemic UTI incidence rate, 2012-2024.



Monthly systemic UTI incidence rate ("UTI episodes meeting systemic-feature criteria"; previously termed "upper UTI" in the prior literature) per 1,000 person-days, January 2012 – March 2024. Operational definition: pyuria-defined episode plus ≥ 1 of fever $\geq 38^\circ\text{C}$, leukocytosis, elevated CRP, positive blood culture, or an antibiotic prescribed with an explicit upper-UTI indication (e.g., pyelonephritis). Definitional sensitivity is addressed in the main-text Discussion.