

A Comparison of Urologic Consultations in the Transition from a Nonteaching to Teaching Hospital.

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INTRODUCTION

- Compared to other specialties, burnout rates in urology are high in training but average post-residency.^{1,2}
- One potential cause for this discrepancy may be the inpatient consult burden in teaching hospitals.
- Bergen Mercy Medical Center—a private (nonteaching) hospital—transitioned to an academic (teaching) hospital when it became Creighton University Medical Center – Bergen Mercy (CUMC) in the summer of 2017.
- We sought to determine how often urologic consulting services were used in the private vs academic setting.

METHODS

- A retrospective chart review was performed on all inpatient urology consults placed from July 2014 to June 2019.
- To calculate consult rate and account for variation in hospital census, all consults were weighted using patient days.
- To compare monthly rates of private and academic consults, we estimated a piecewise linear regression model with a first-order autoregressive residual covariance structure.

RESULTS

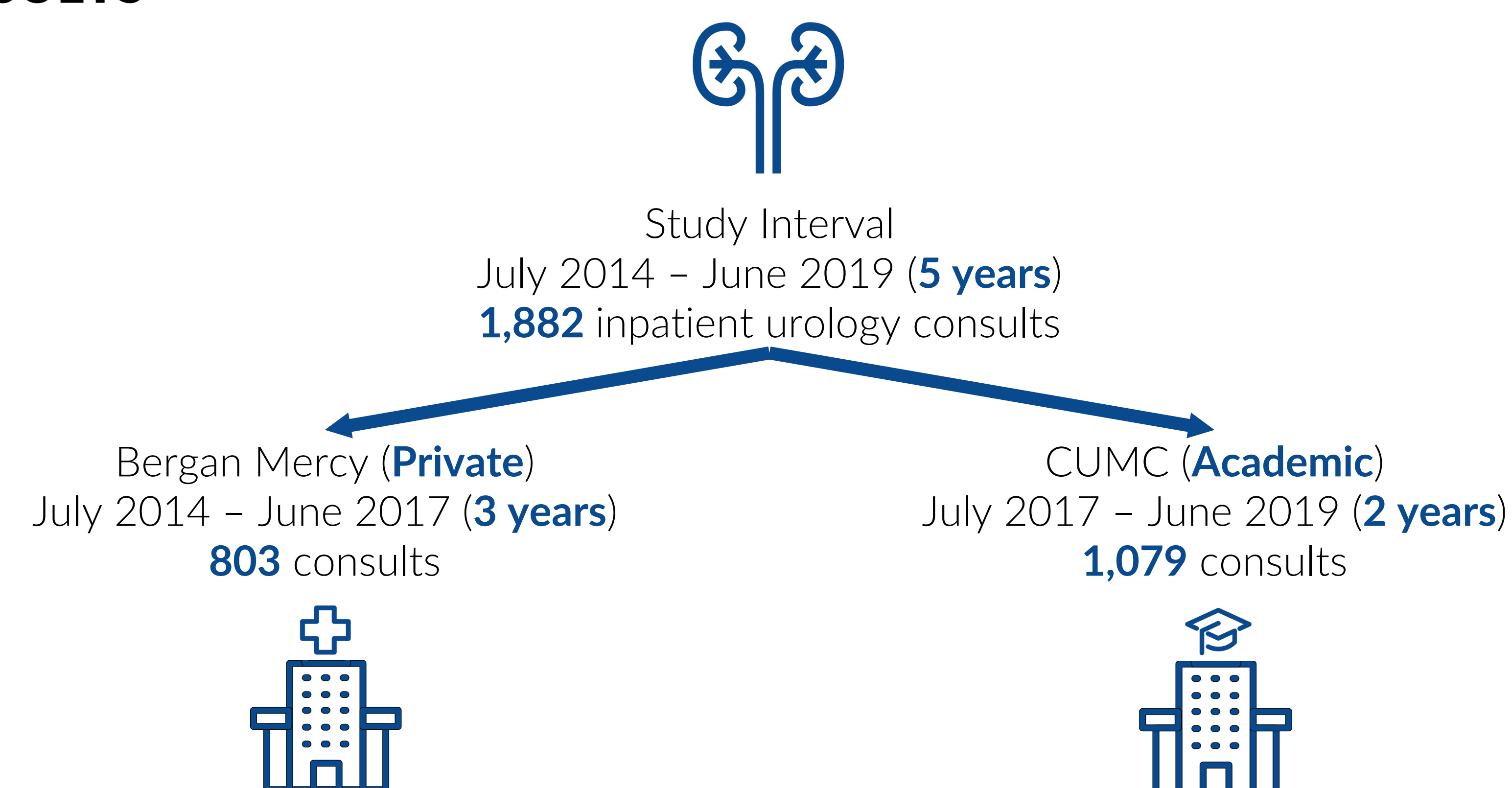


Figure 1. A total of 1,882 urology consultations were placed during the study interval with 803 occurring prior to and 1,079 occurring after the transition to academic hospital.

Inpatient urology consults are placed more frequently in academic hospitals than private hospitals. This difference disappears in June, coinciding with the end of the academic year.

RESULTS (continued)

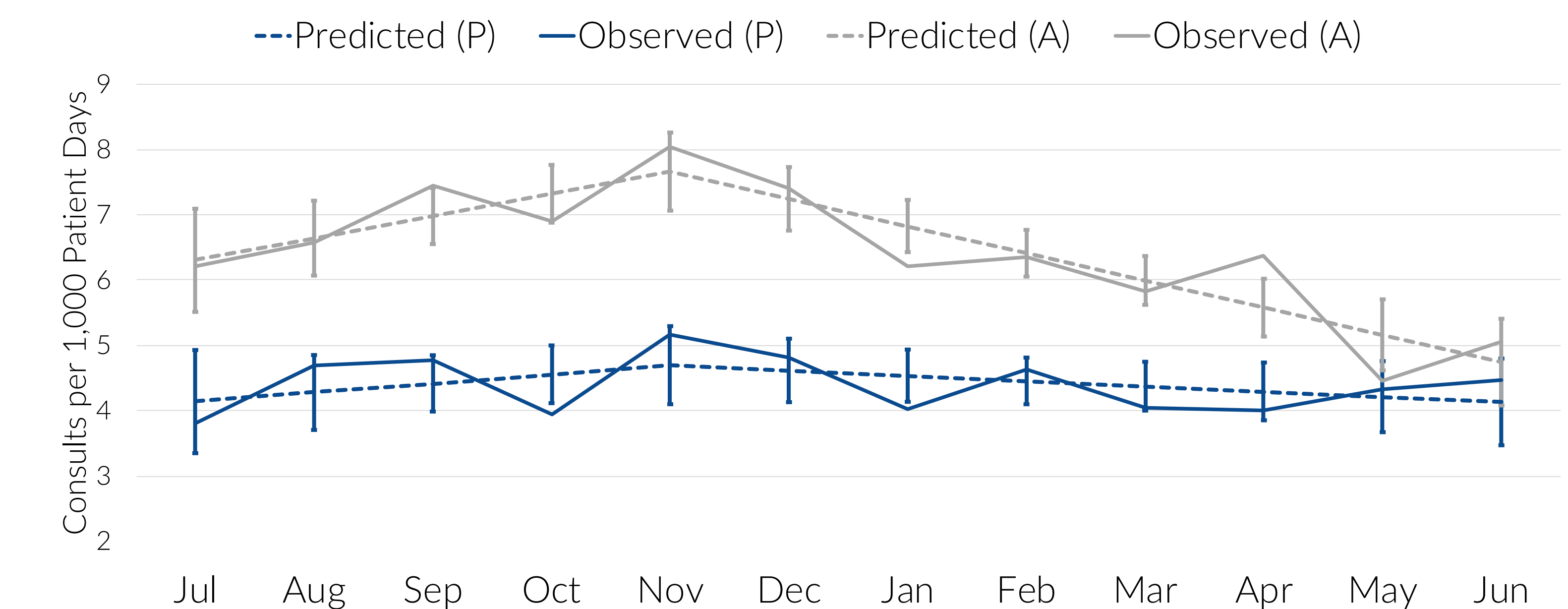


Figure 2. Monthly comparison of private (P) vs academic (A) consult rates arranged from July to June, reflecting the academic year. Solid lines are observed consults. Dashed lines are model-predicted consults. Error bars represent 95% confidence intervals.

- The consult rate was significantly higher in the academic vs private setting until the end of the academic year when rates statistically equalized.
- The private rate was stable throughout the year, regardless of the month.
- The academic rate rose from July to November and then steadily fell until matching the private rate at the end of the academic year.



Figure 3. Word clouds representing the most common words used in the free text consult order of all private (cross) and academic (graduation cap) inpatient consults.

- The most common private consults were retention (24%), hematuria (14%) and urolithiasis (12%).
- The most common academic consults were retention (18%), urolithiasis (18%) and hematuria (14%).

1. Dyrbye LN et al. JAMA. 2018;320(11):1114–30.
2. Shanafelt TD et al. Mayo Clin Proc. 2019;94(9):1681–94.