

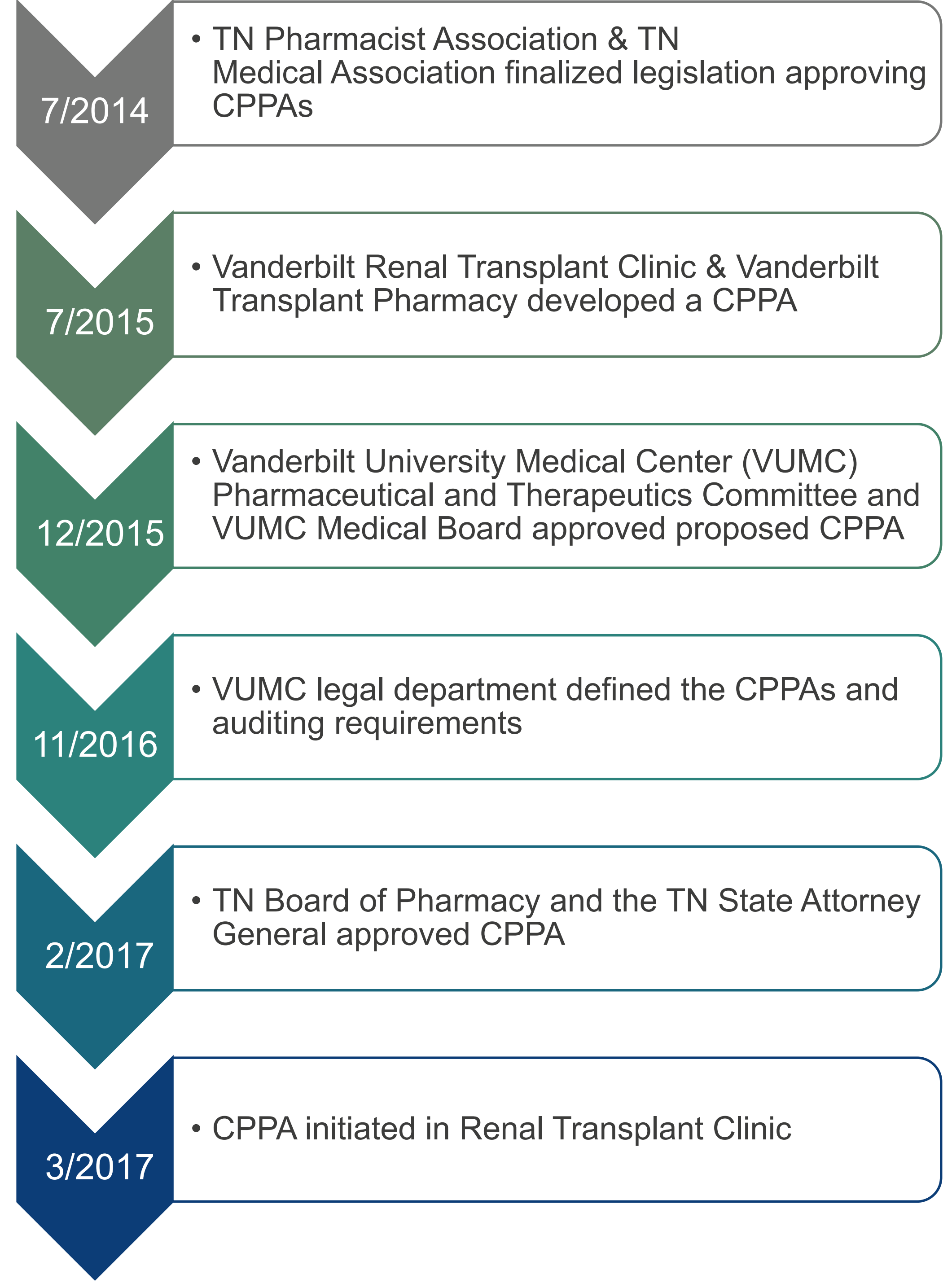
DEVELOPMENT OF A PHARMACY COLLABORATIVE PRACTICE AGREEMENT TO IMPROVE EFFICIENCY AND MANAGEMENT OF PRESCRIBING IN A RENAL TRANSPLANT CLINIC

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BACKGROUND

Post-transplant patients require complex medication regimens to ensure the survival of the transplanted organ and patient overall well-being. These regimens are frequently adjusted, initiated, or discontinued after transplantation. Pharmacists integrated in transplant clinics can optimize patients' post-transplant medication use and safety.¹

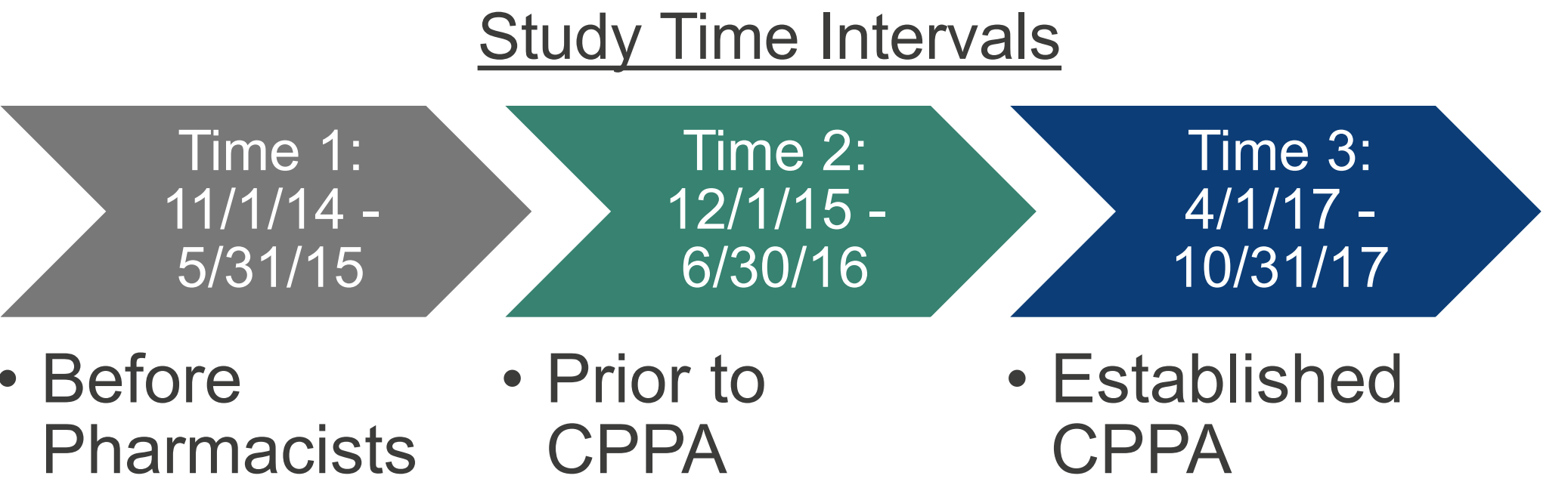


OBJECTIVE

Assess the impact of a Collaborative Pharmacy Practice Agreement (CPPA) between pharmacists and physicians on Rx volume, clinic workload, and safety outcomes.

METHODS

Retrospective cohort comparing the proportion of immunosuppressant prescriptions authorized by each clinician type (Pharmacist, Nurse, Physician) across three 7-month intervals.



Inclusion

- Adult patients 18+ years old
- Post renal transplant followed by Renal Transplant Clinic
- One or more immunosuppressant prescriptions authorized in all three time intervals

Exclusion

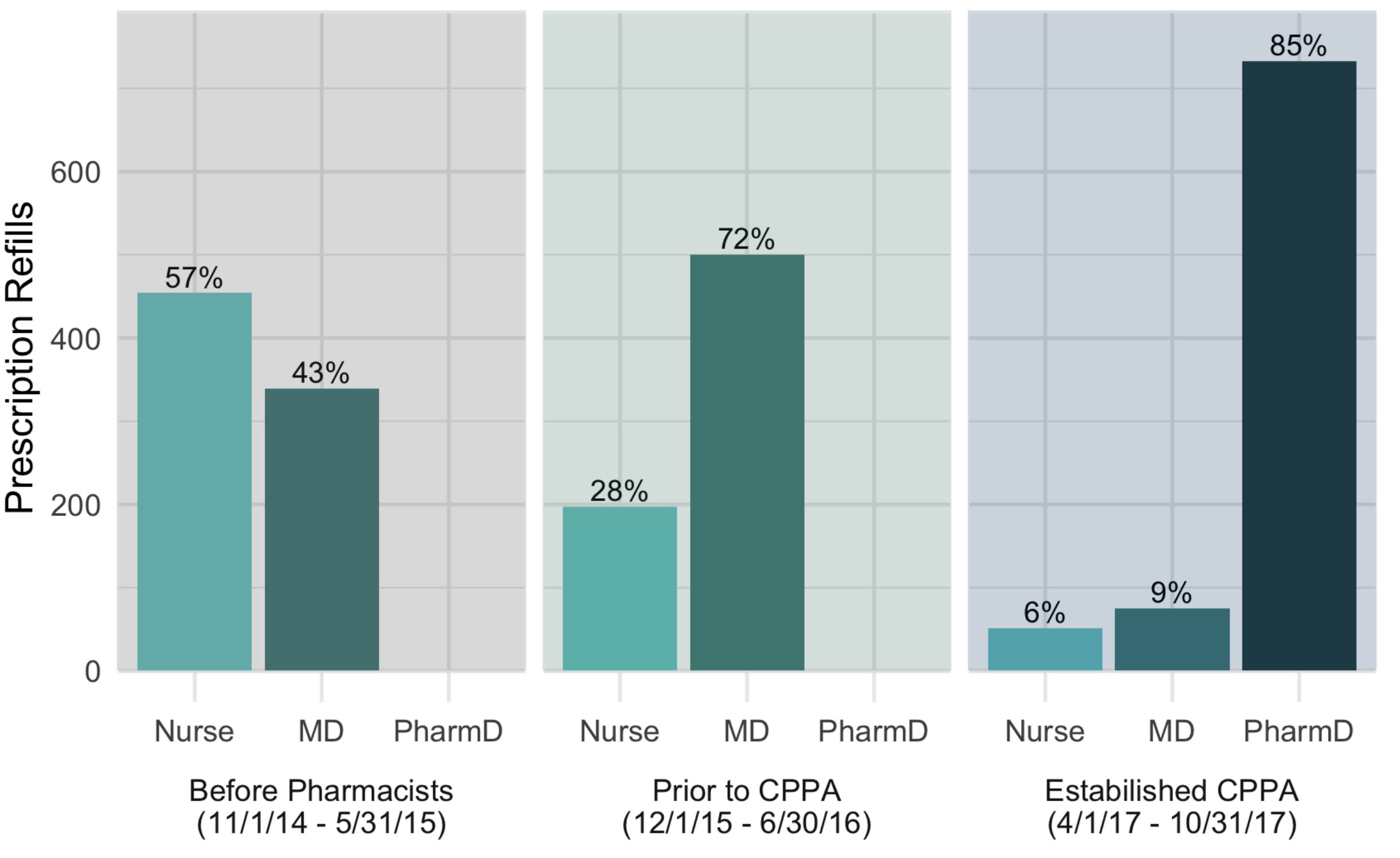
- Failed renal transplant
- Discharged from Renal Transplant Clinic
- Re-transplanted between 11/1/14 - 10/31/17

Measures

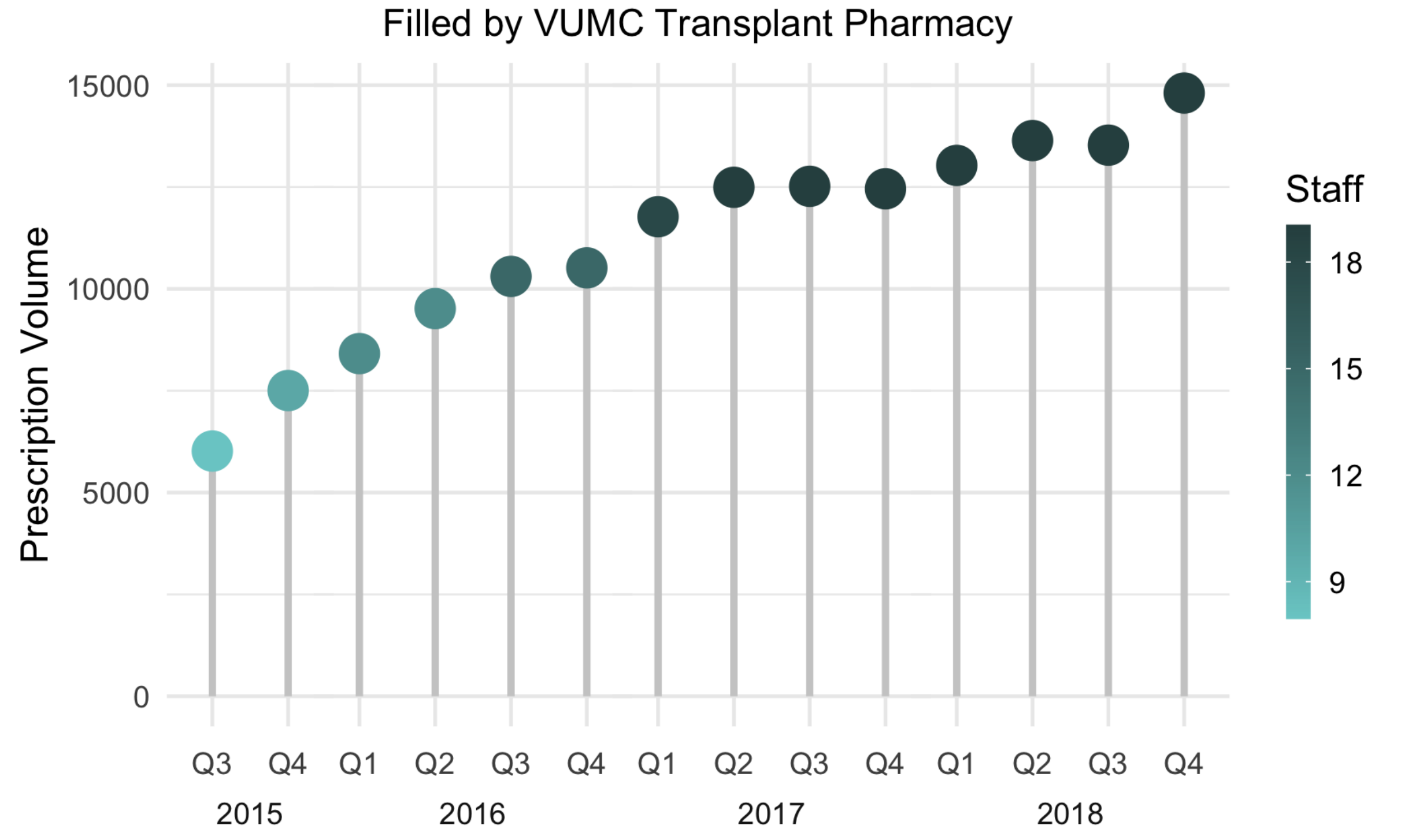
- Number of safety incidents as measured by Veritas quarterly reports
- Number of pharmacy staff members
- Number of immunosuppressant prescription refills authorized
- Total prescriptions filled including non-immunosuppressants for renal transplant patients

RESULTS

Immunosuppressant Prescription Refills by Authorizer Type

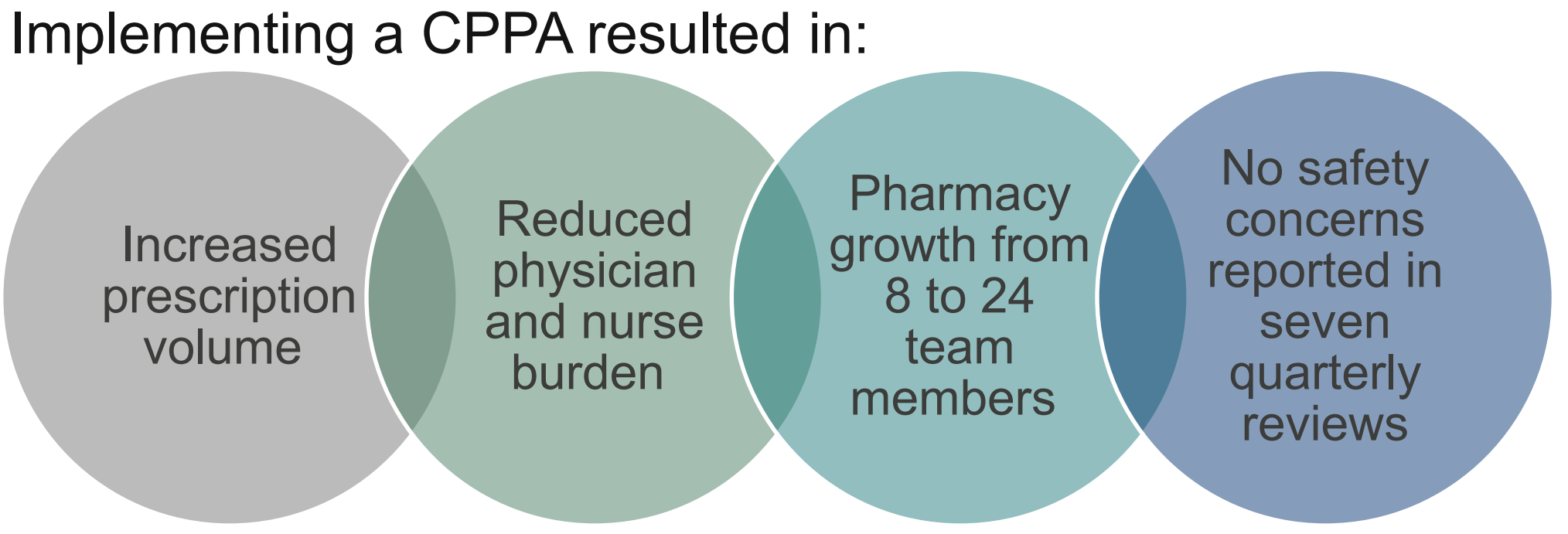


Total Renal Transplant Prescriptions Filled by VUMC Transplant Pharmacy



- Reviewed 2,349 prescriptions during study time frame
- 319 patients included in final results
- Immunosuppressant refills authorized by pharmacist increased to 85% once CPPA in place
- Pharmacy staff increased to 24 team members
- Total monthly prescription count for renal transplant patients increased from 1,841 in July 2015 to 4,749 in December 2018

CONCLUSION



This streamlined process from prescribing to dispensing prescriptions ensures close monitoring of post-transplant patients, while allowing physicians and nurses to dedicate more time to focus on patient care.

FUTURE DEVELOPMENT OF CPPA

VUMC is actively working to initiate CPPAs in other clinics across Vanderbilt. Our goal is to continue to expand services provided by pharmacists with a CPPA.

REFERENCES & ACKNOWLEDGEMENTS

1. Kidney Disease: Improving Global Outcomes (KDIGO) Transplant Work Group. KDIGO Clinical Practice Guideline for the Care of Kidney Transplant Recipients. Am J Transplant 2009;9:S1-157.

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