

# Development of a Pharmacy Collaborative Practice Agreement to Improve Efficiency and Management of Prescribing in a Renal Transplant Clinic

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There are no financial relationships with commercial interests to disclose.

**AND**

This presentation does not include discussion of off-label or investigational use.



## Development and Initiation of a Pharmacy Collaborative Practice Agreement



- Transplant Pharmacy started in July 2015
- Pharmacy Services embedded a clinical pharmacist in the Renal Transplant Clinic to help convert patients to using the Transplant Pharmacy, provide medication management, and relieve nurse and provider burden with refill requests
- A second pharmacist was added in December 2016

## Development and Initiation of a Pharmacy Collaborative Practice Agreement

7/2014

TN Pharmacists Association and TN Medical Association finalized legislation approving collaborative pharmacy practice agreements (CPPAs)

7/2015

Vanderbilt Renal Transplant Clinic & Vanderbilt Transplant Pharmacy developed a CPPA

12/2015

Vanderbilt University Medical Center (VUMC) Pharmacy, Therapeutics, & Diagnostics Committee and VUMC Medical Board approved proposed CPPA

11/2016

VUMC legal department defined the CPPA and auditing requirements

2/2017

TN Board of Pharmacy and the TN State Attorney General approved the CPPA

3/2017

CPPA initiated in the VUMC Renal Transplant Clinic

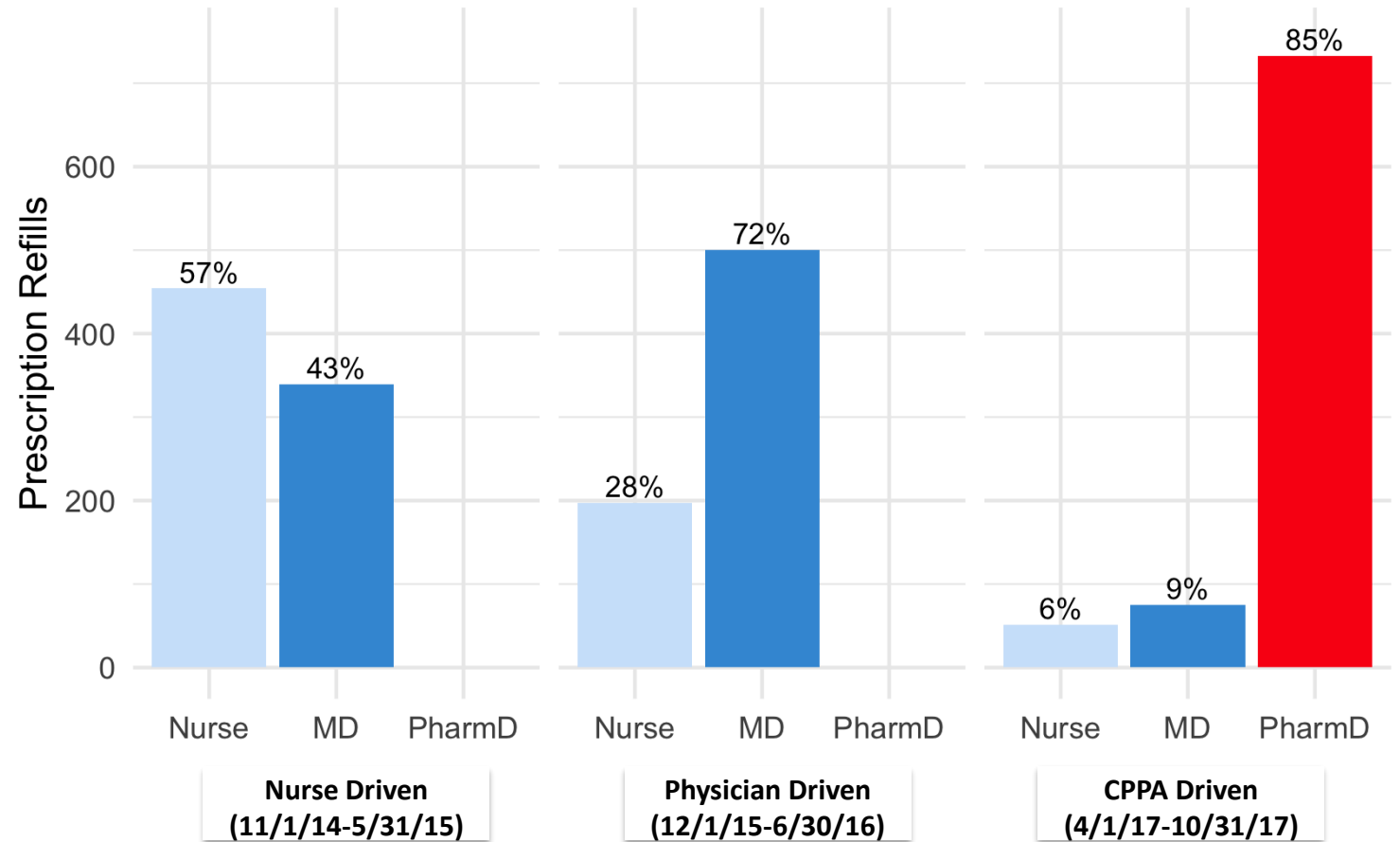
## Development and Initiation of a Pharmacy Collaborative Practice Agreement

- What does the Renal Transplant CPPA allows Pharmacists to do?
  - Refill any non-controlled medication that is being prescribed by a renal transplant physician if the patient has been seen by the provider within the past 12 months
  - Send in scripts for new medications or dose adjustments as documented in patients' electronic medical records
  - Refills may be prescribed by the pharmacist for up to one year
  - Pharmacists may discontinue & taper medications per protocol

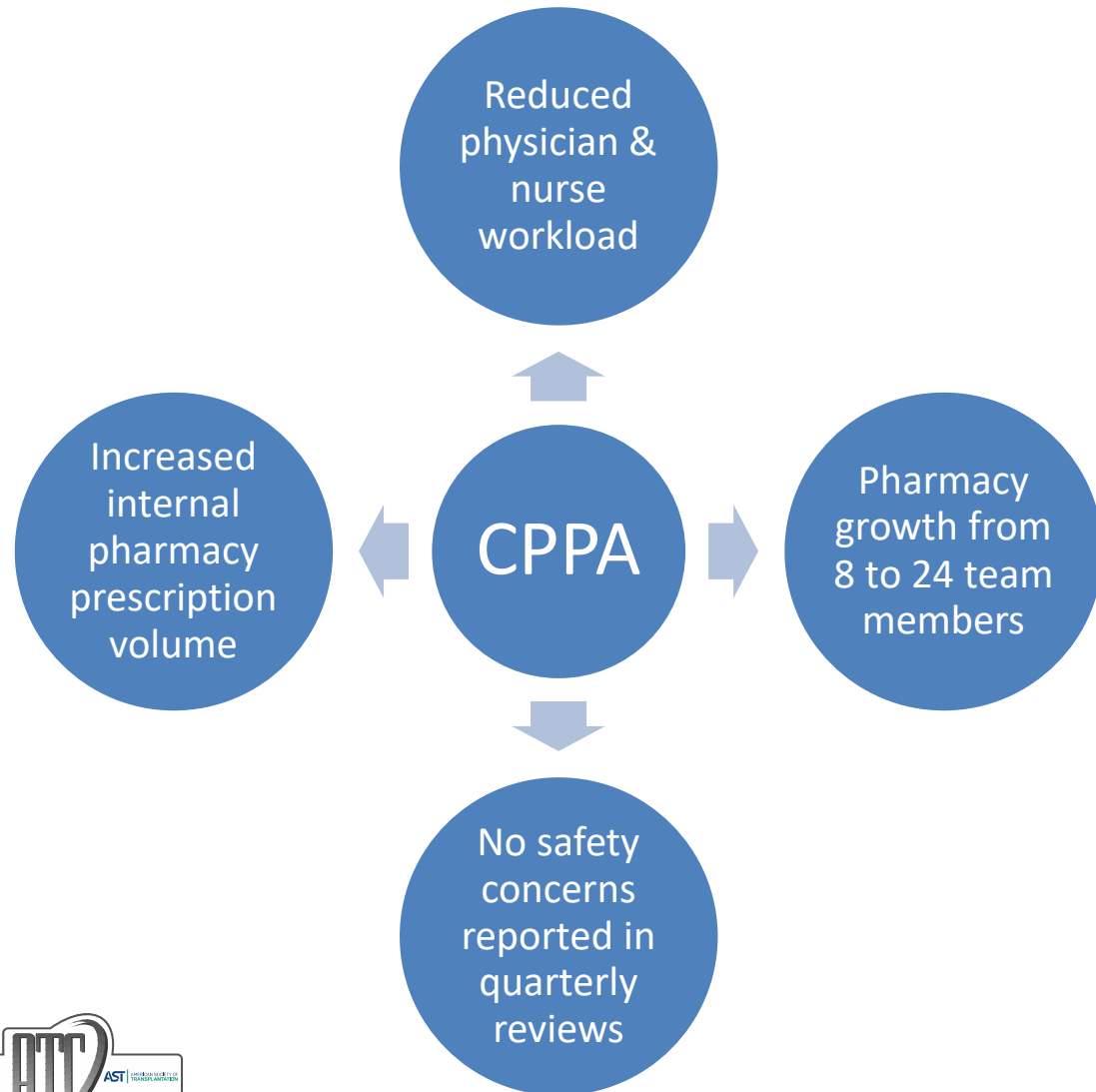
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- 319 patients included
- 2,349 prescriptions reviewed during study
- Immunosuppressant refills authorized by pharmacists increased to 85% after CPPA initiation

Immunosuppressant Prescription Refills by Authorizer Type



## Development and Initiation of a Pharmacy Collaborative Practice Agreement



- Streamlined process from prescribing to dispensing
  - Pharmacists help facilitate financial assistance & other medication barriers
- Close medication monitoring for complex drug regimens by clinical pharmacists
- Physicians and nurses have more time to focus on direct patient care
- Transplant Pharmacy growth from 8 to 24 team members
- Over 11,000 scripts filled by the Transplant Pharmacy in April 2019
- Currently filling medications for over 1,100 renal transplant patients

## Development and Initiation of a Pharmacy Collaborative Practice Agreement

- **2018 Patient Reported Outcomes**
  - Over 99% of patients reported they were “satisfied” or “extremely satisfied” with the services provided by the Transplant Pharmacy.
  - Over 99% of patients reported they received services in a timely manner, their needs were met, and that overall communication with the Transplant Pharmacy was effective.
- **CPPA Safety Outcomes**
  - Monthly audits are performed by each physician on 5% of their patients covered under the CPPPA
  - Quarterly audit reviews are held by collaborating pharmacists, the clinic medical director, and pharmacy administration
  - No safety concerns have been identified



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