Transfusion and Dialysis Registries

Improving Blood Utilization and Management
Transfusion Medicine had been using a resource-intensive process to manually merge data from the Laboratory Information System with EMR clinical data and administrative sources. The Transfusion Medicine registry was implemented to improve patient safety and system efficiency in blood management by developing an automated algorithm to merge data from three disparate systems. The algorithm was developed and validated by subject matter experts in the Department of Pathology and Laboratory Medicine. The registry is used to trend hospital-wide transfusion ordering practices and allow for targeted educational outreach, and has spurred possible new collaborations with other UC health campuses.

Supporting Patient Safety
Adequacy of dialysis is monitored by tracking prescribed and delivered dialysis dose, hours on dialysis, site infections, modality, and location of dialysis performed. These quality indicators assist the Nephrology Department in identifying opportunities for improving patient care. The Dialysis Registry was designed to automate a redundant data entry process and provide information to improve patient safety and reduce in-hospital complication rates.