Using the UC-Davis Tethered Meta Registry to Improve the UCDMC Patient Blood Management System
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**PROBLEM SOLUTION:**
- COLLABORATE WITH THE UC-DAVIS CLINICAL REGISTRY TEAM
- HARNESS THE POWER OF THE UC-DAVIS TETHERED META REGISTRY (TMR) (FIGURE 2)
- CAPTURE AND SYNTHESIZE DATA SOURCES

**TRANSFUSION REGISTRY CAPABILITIES:**
- MONITORING HEALTH-SYSTEM-WIDE BLOOD PRODUCT UTILIZATION INCLUDING MASSIVE TRANSFUSIONS
- REVEALING CASES OUTSIDE HOSPITAL GUIDELINE LABORATORY ‘TRIGGER’ VALUE
  - BY BLOOD PRODUCT
  - BY PATIENT SERVICE CATEGORY
  - BY INDIVIDUAL ORDERING PROVIDER
  - BY INDIVIDUAL PATIENT
- TRENDING BLOOD PRODUCT USAGE BY SURGICAL PROCEDURE
- EXPORTING DETAILED SPREADSHEETS OF CLINICAL SERVICE AND ORDERING PROVIDER USAGE FOR FURTHER ANALYSIS

**USING THE TR TO IMPROVE PBM AT UCDMC:**
- THE TR IS A ROBUST AND EFFICIENT TOOL TO MONITOR BLOOD TRANSFUSION ORDERING PRACTICE AND HELP DISSEMINATE BEST PRACTICES IN TRANSFUSION MEDICINE
- IT HAS IMPROVED THE PBM SYSTEM AT UCDMC (FIGURE 3)

**A NEW TOOL: THE UC-DAVIS TRANSFUSION REGISTRY (FIGURE 1)**

**CAN THE BLOOD UTILIZATION DATA ELEMENTS BE LINKED?**
**YES!**

**Transfusion Registry Filter**
- RBC Transfusion: Pre-Hb > 8 g/dL
- PLT Transfusion: Pre-plt count >20K/mm3
- FFP Transfusion: Pre-INR <1.6

**Data-Driven Blood Order Scheduling**
- Timely Health Care Provider Feedback
- High Quality Data
- Robust Chart Reviews and Auditing
- Robust Blood Utilization Monitoring
- Targeted Educational Initiatives

**THE TRANSFUSION REGISTRY LEVERAGES UC-DAVIS’ INVESTMENT IN HEALTH IT TO:**
- STANDARDIZE DATA COLLECTION AND REPORTING
- PRODUCE A CLINICALLY USEFUL TOOL
- ENSURE PROCESS QUALITY MEASUREMENT AND IMPROVEMENT

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