Research Effort Tracking Application  
(reta.med.umich.edu)

**Clinical Trials Office Research Portfolio**

**Initial Analytics: Understanding Resource Utilization**

- **Data Management**
  - Slow accruing studies require a 50% more DM effort per accrual than medium to fast accruing studies

- **Regulatory Management**
  - If study never opens, site at risk for 30%+ of uncompensated regulatory effort

**Current Analytics: Managing Resource Utilization**

- **Onboarding a New Data Manager**
- **Score associated with**
  - Follow-up patients
  - Active patients
  - Pre-active study ownership
  - Pre-Active Studies
  - Studies Open to Accrual

**Results**

- Justified, on average, a 50%+ increase on per accrual revenue
- Decreased institutional support per FTE by 22% due to more accurate recharging
- Experienced attrition rate decrease by 17% which we believe is partially related to better workload management
- Used in the following UMHS depts:
  - Cancer Center Informatics
  - Investigational Drug Services
  - Radiation of Oncology
  - Transplant Research*

**Future Development**

- Refine the Workload Distribution Tool
- Expand use for increased analytical power. Previous and current interest from:
  - External Sites: Rush U., UC-Davis, UC-San Diego, U. Kansas, Eli Lilly
  - Internal: Transplant Center, You?

**Why Track Effort & Trial Complexity?**

- To Make Decisions Based on Data
  - Quantify true cost of research
  - Enhance budgeting
  - Improve contract negotiations
  - Justify staffing
  - Distribute workload
  - Manage research portfolio

**Improvement Timeline**

- **2006** – Started tracking staff effort
- **2009** – Initial analysis of effort data
- **2010** – Complexity Scorecard
- **2012** – Workload Distribution Tool

**Publications**


Mathew Innes | 734-763-4073 | innesm@med.umich.edu
with Linda Beekman, David Browning, Patty Bebee, Liz Vasher, Theresa Royce
cfo.med.umich.edu