Office of Clinical Research CRP First Friday

A Clinical Trials Dashboard & The Stories It Can Tell

Friday, January 5th, 2024

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Learning Objectives:

1) Summarize the key components of operational dashboards and how they are used for modeling and communicating operational data.
2) Identify the elements that distinguish dashboards from other types of common operational reports.
3) Interpret the Clinical Trials Contracting Dashboard's visuals to accurately track study startup information and identify process improvement opportunities such as operational bottlenecks and resource distribution.
4) Navigate the College of Medicine/Office of Clinical Research infrastructure to access dashboards and related data visualization resources.
5) Demonstrate comprehension of the College of Medicine's vision for improving data visualization infrastructure to promote dashboard utilization by clinical research teams.

Target Audience:

Clinical Research Professionals (CRPs) at UC/H and Cincinnati Children's Hospital Medical Center (CCHMC): including Principal Investigators (PIs), Research Nurses (RNs), Critical Care Unit Nurses (RNs), Pharmacy Technicians and Regulatory Specialists.

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Planning Committee Members:

- Maria Stivers, MS; Course Director – *No Relevant Relationships*
- Nathaniel L. Harris, BS, Course Coordinator – *No Relevant Relationships*
- Heather Muskopf, CME Program Manager – *No Relevant Relationships*

Speakers:

Brett Kissela, MD, MS

Executive Vice-Dean, University of Cincinnati College of Medicine

Senior Associate Dean for Clinical Research, University of Cincinnati College of Medicine

Chief of Research Services, UC Health

Adam C. Alexander

Clinical Research Administrator

Office of Clinical Research

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Compliance Corner

Recently updated OCR Standard Operating Procedures and Policies:

- **UCH-OCR-REV-SOP-008:** Determination of Human Tissue as Remnant Specimen for Approved Research Purposes
- **UCH-OCR-005:** Certified Copies of Electronic Medical Records for Clinical Research Purposes

All OCR SOPs are accessible from the UC Health intranet home page utilizing the Compliance 360 policy search function or reach out to the Office of Clinical Research with any questions or concerns.

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SOCRA CRP CERTIFICATION EXAMINATION
Hosted by CCHMC
Monday, March 15th, 2024, 8:30am – 12:30pm

Please visit the SOCRA website for more details.

The Registration Deadline is Friday, February 2nd, 2024

Register Here

CCHMC CRP Open Review Sessions:

Study Review Session 1: Thursday, February 8th, 2024 at 10am – Microsoft Teams Meeting

Click here to join the meeting

Study Review Session 2: Monday, February 12th, 2024 at 1pm – Microsoft Teams Meeting

Click here to join the meeting

Join your fellow CRPs for a brief overview of SOCRA Exam studying tools, tips, and tricks!

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For any questions or further information, please contact the CCHMC CRP Group at CRP@cchmc.org or Nate Harris at harrisnl@ucmail.uc.edu

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Thursday, January 18th, 2024, 12:00noon - 1:00pm

IN PERSON Presentation MSB 7051 ***(with the option to join virtually)***

The Power BI UC Clinical Trials Contract Status Dashboard: A Hands on Walkthrough

In follow up to this month's First Friday, please join the January Lunch & Learn for a hands-on walkthrough of The Power BI UC Clinical Trials Contract Status Dashboard, our newly developed dashboard created to provide comprehensive data tracking of up-to-date information on study start-up progress, process bottlenecks, and further insights into UC/UCH clinical trial infrastructure.

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Today's Presentation:

A Clinical Trials Dashboard & The Stories It Can Tell

Comprehensive data tracking has long been a challenge for the folks managing clinical trials. As progress has continued on accurate documentation, the challenge of interpreting and communicating the information contained within our electronic data capture systems has become an increasingly relevant issue. We will explore a newly developed dashboard that has the power to provide up-to-date information on study start-up progress, process bottlenecks, and further insights into clinical trial infrastructure.

Brett Kissela, MD, MS

Executive Vice-Dean, University of Cincinnati College of Medicine
Senior Associate Dean for Clinical Research, University of Cincinnati College of Medicine
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Office of Clinical Research
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A Clinical Trials Dashboard & The Stories It Can Tell

Office of Clinical Research
First Friday - January 2024
1/5/2024

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- Presenters

Brett Kissela, MD, MS

- Albert Barnes Voorheis Professor and Chair – *Dept. of Neurology and Rehabilitation Medicine*
- Executive Vice-Dean – *University of Cincinnati College of Medicine*
- Senior Associate Dean for Clinical Research – *University of Cincinnati College of Medicine*
- Chief of Research Services – *UC Health*

Adam C. Alexander

- Clinical Research Administrator, Operations & Project Management – *Office of Clinical Research*

- What's a Dashboard?

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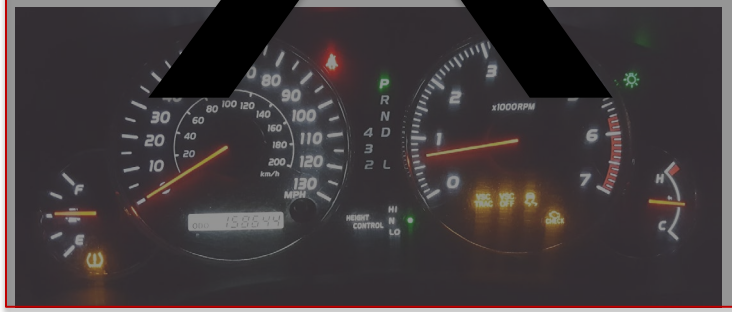
Definitions of "Dashboard" from Merriam-Webster:

1. a screen on the front of a usually horse-drawn vehicle to intercept water, mud, snow

2. a panel extending across the interior of a vehicle (such as an automobile) below the windshield and usually containing instruments and controls



3. a graphical report (as on a website) of various data relevant to a particular business, group, etc.

- What's a Dashboard?

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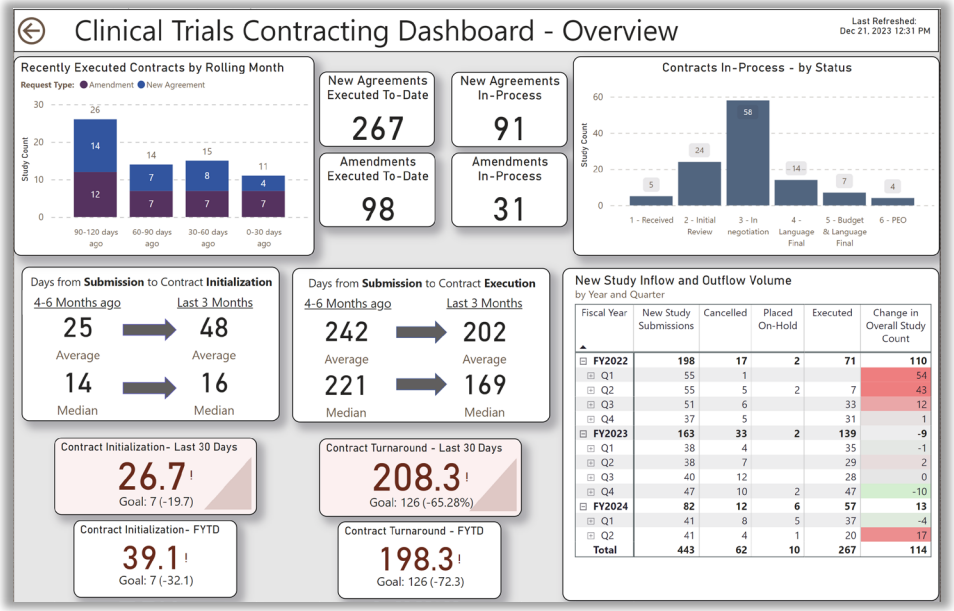
- In short, dashboards are diagnostic tools used to display, track, and analyze **relevant** data
  - Key Performance Indicators (KPIs)



- Evolution of the Data Dashboard

Analogous to *automotive* dashboard evolution

Driver obtains car info from gauges and lights

…and a clock!

- Evolution of the Data Dashboard

Analogous to
automotive
dashboard evolution

Similar information, but…

- displays are not static
- more detailed info displayed,
- much broader information availability

- Evolution of the Data Dashboard

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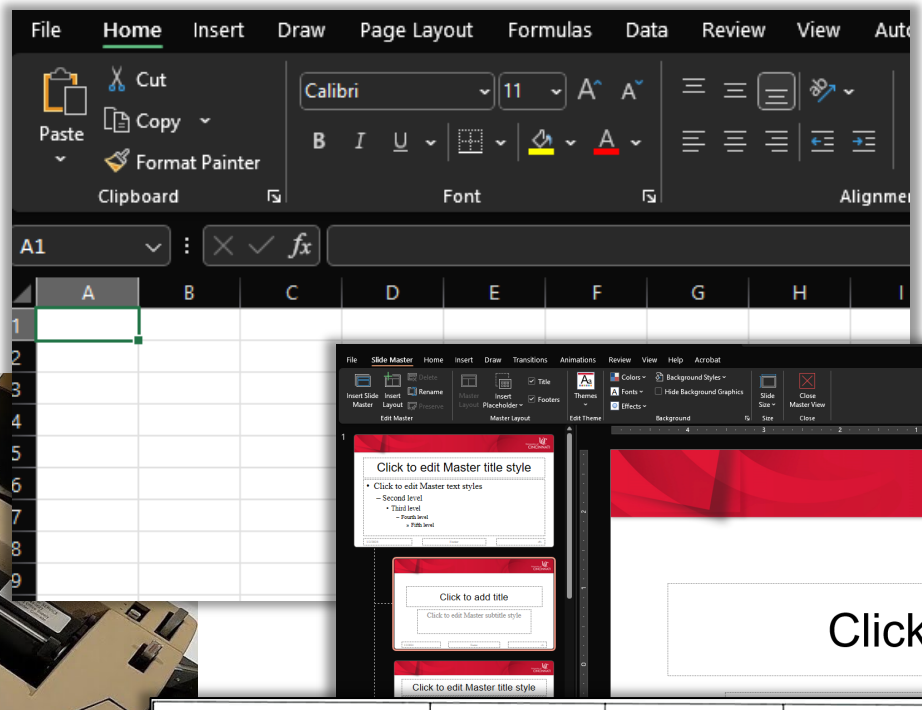
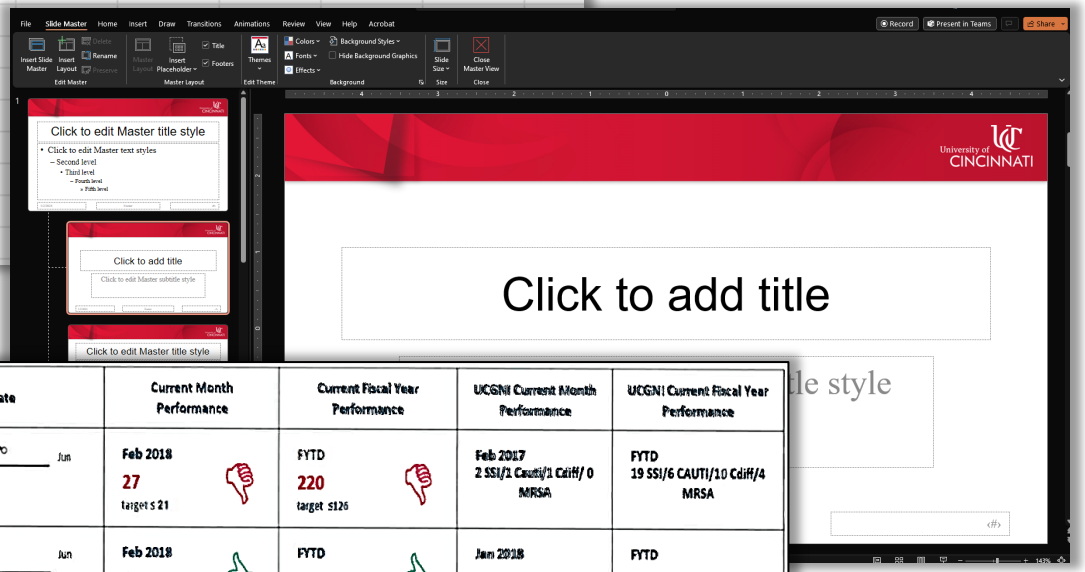
Historically…





Fiscal Year to Date	Current Month Performance	Current Fiscal Year Performance	UCGN Current Month Performance	UCGN Current Fiscal Year Performance
Target July Jun — Less is better	Feb 2018 27 target ≤ 21	FYTD 220 target ≤126	Feb 2017 2 SSI/1 CautI/1 Cdiff/ 0 MRSA	FYTD 19 SSI/6 CAUTI/10 Cdiff/4 MRSA
Target July Jun	Feb 2018 7 target ≤ 10	FYTD 76 target ≤ 77	Jan 2018 1	FYTD 8
Target July Jun — More is better	Jan 2018 67.8% target ≥ 74.1%	FYTD 66.6% target ≥ 74.1%	Jan 2018 71.4%	FYTD 68.4%
Target July Jun — More is better	Feb 2018 87.1% target ≥ 86.0%	FYTD 86.2% target ≥ 86.0%	Feb 2018 85.8%	FYTD 84.2%

A Clinical Trials Dashboard & The Stories It Can Tell
- Evolution of the Data Dashboard

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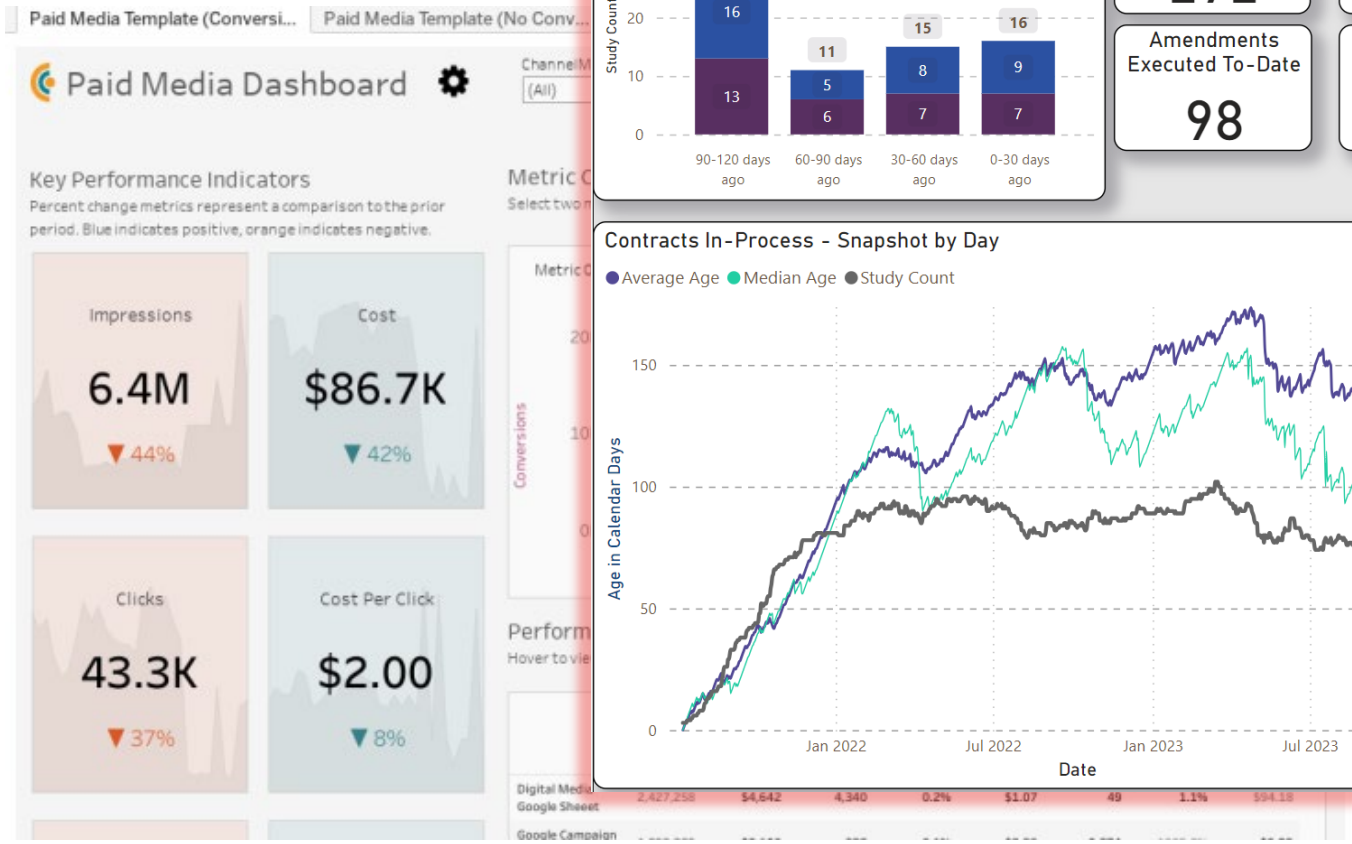
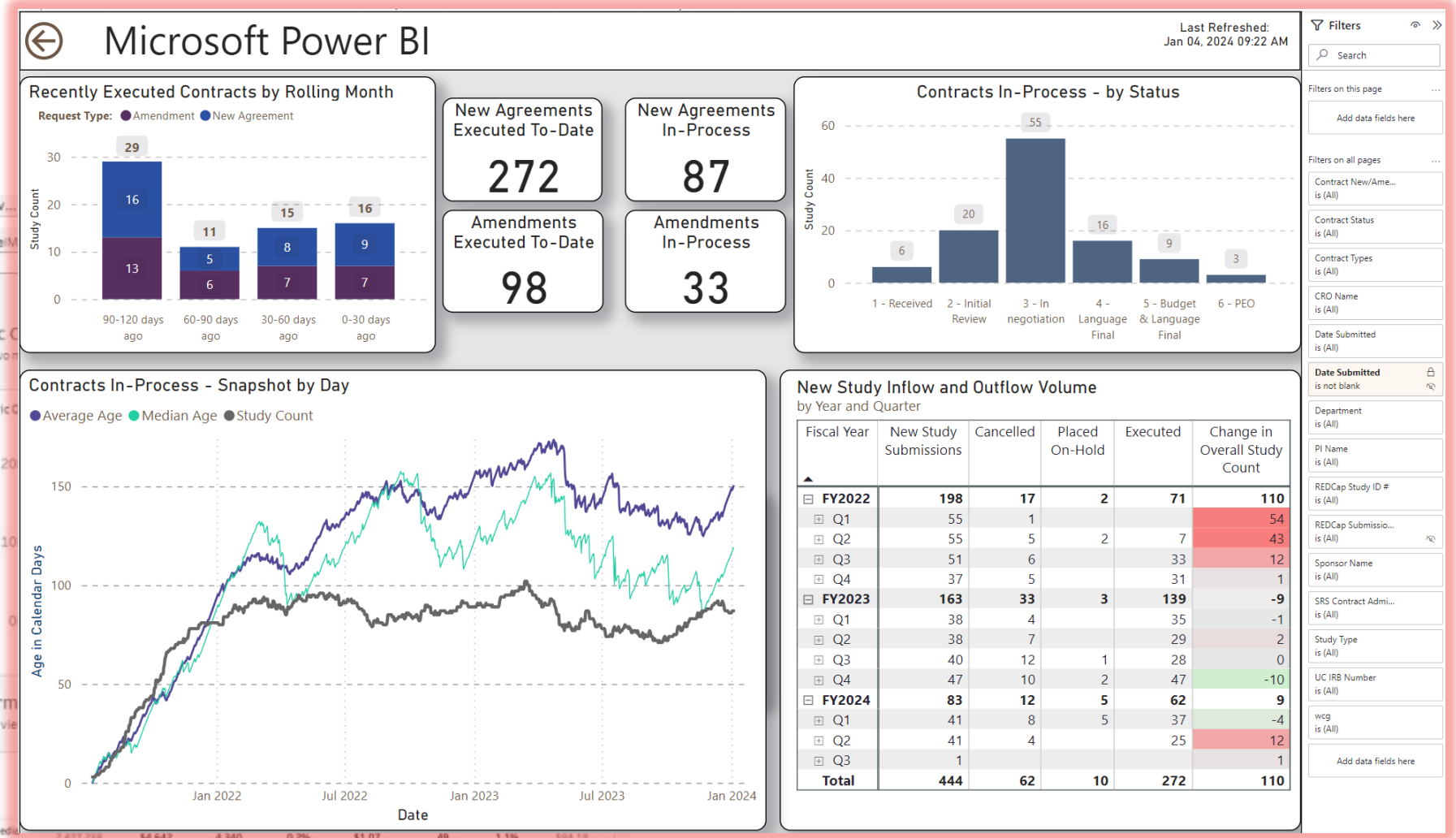
Now…

Tableau





Fiscal Year	New Study Submissions	Cancelled	Placed On-Hold	Executed	Change in Overall Study Count
FY2022	198	17	2	71	110
Q1	55	1			54
Q2	55	5	2	7	43
Q3	51	6		33	12
Q4	37	5		31	1
FY2023	163	33	3	139	-9
Q1	38	4		35	-1
Q2	38	7		29	2
Q3	40	12	1	28	0
Q4	47	10	2	47	-10
FY2024	83	12	5	62	9
Q1	41	8	5	37	-4
Q2	41	4		25	12
Q3	1				1
Total	444	62	10	272	110

- Evolution of the Data Dashboard

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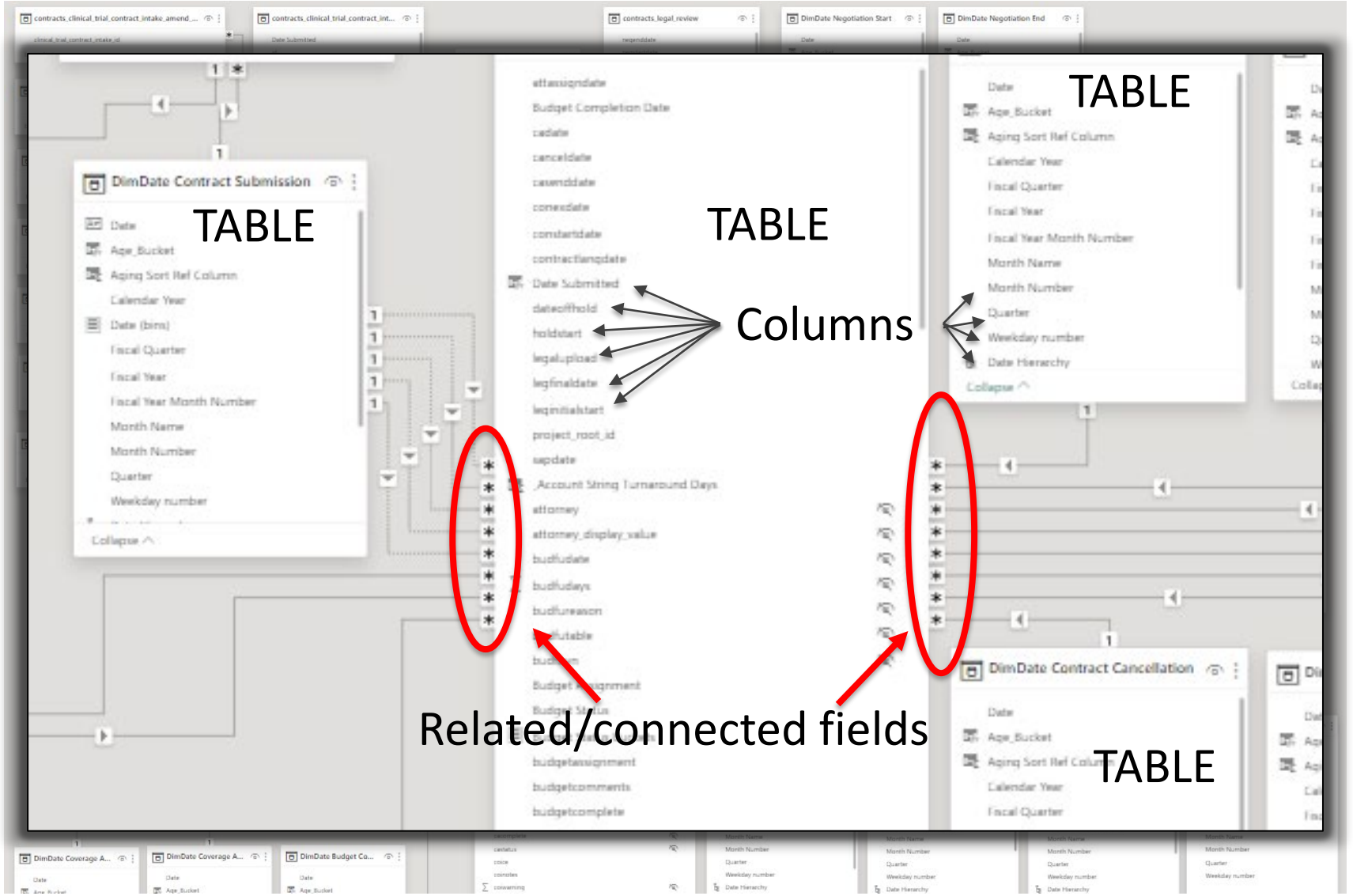
Now…

We use data models:



- Our New Dashboard

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Active Link ***(You must be logged in with your UC Credentials):***

Clinical Trials Contracting Dashboard

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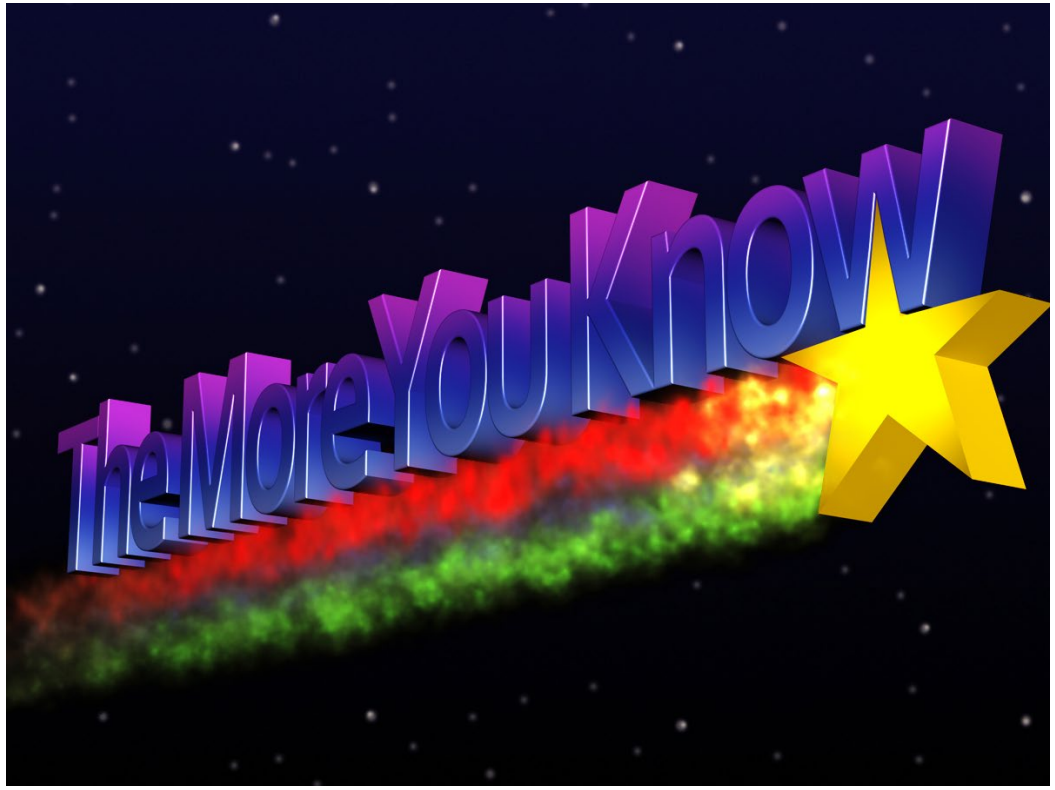
Questions?

Thank you!