# Flight Tracker Consortium Meeting

May 4, 2022

EDGE FOR SCHOLARS

www.edgeforscholars.org

# Meeting Agenda

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## What's New?

**Fallout from Federal RePORTER**
**Public Access Compliance: CSVs & Grant Searches**
**Evaluating Mentee-Mentor Agreements**

## Deep Dive: Cohorts

## What's Next?

**Pulling Data from NSF**
**Dept. of Education Grants?**
**Mentee-Mentor Agreement Updates**

## Office Hours with ~~Rebecca &~~ Scott

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# What's New?

# Fallout from Federal RePORTER

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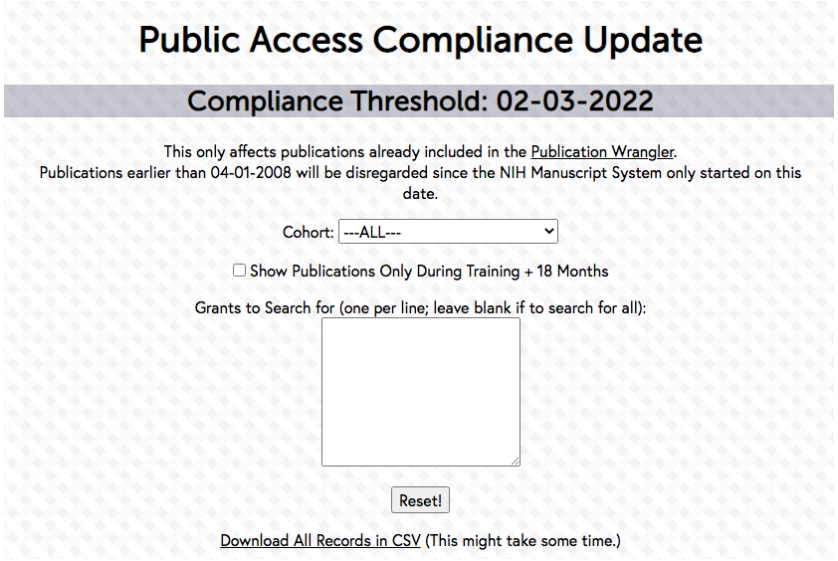
- Federal RePORTER turned off
- This created **millions** of log statements in REDCap in March.
- Flight Tracker maintains logs for one month.
- When it tries to clean this up at midnight, the database increases its time **exponentially**.
  - 10,000 rows - 1 second
  - 50,000 rows - 8 seconds
  - Millions? Locked

- **Cron can stop entirely (e.g., Indiana CTSA).**
- Fix: Repeating deletes in smaller chunks. Out in **4.8.2**, this Friday.

# Public Access Compliance

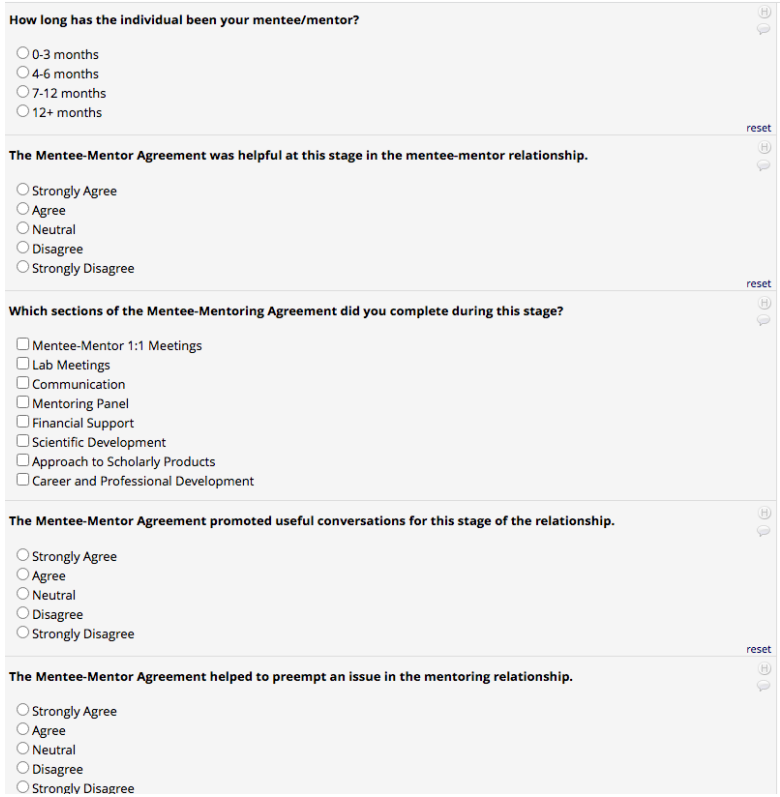
- Federal Public Access Policy
- Under **Pubs → Public Access Compliance**
- Feedback:
  - Pre-written email to scholar.
  - Download as a CSV.
  - Show more scholars per page (10 → 50).
  - Search all scholars by grant number.
- **Now completed in 4.8.0**



# Mentee-Mentor Agreements

- History and purpose
- Objective statistical validation. Will take several years.
- Subjective evaluation now available
  - **Short REDCap survey**
  - Several Likert questions developed by Arnita King and Melissa Krasnove

# Mentee-Mentor Agreements



**How long has the individual been your mentee/mentor?**

- ○ 0-3 months
- ○ 4-6 months
- ○ 7-12 months
- ○ 12+ months

reset

**The Mentee-Mentor Agreement was helpful at this stage in the mentee-mentor relationship.**

- ○ Strongly Agree
- ○ Agree
- ○ Neutral
- ○ Disagree
- ○ Strongly Disagree

reset

**Which sections of the Mentee-Mentoring Agreement did you complete during this stage?**

- ☐ Mentee-Mentor 1:1 Meetings
- ☐ Lab Meetings
- ☐ Communication
- ☐ Mentoring Panel
- ☐ Financial Support
- ☐ Scientific Development
- ☐ Approach to Scholarly Products
- ☐ Career and Professional Development

**The Mentee-Mentor Agreement promoted useful conversations for this stage of the relationship.**

- ○ Strongly Agree
- ○ Agree
- ○ Neutral
- ○ Disagree
- ○ Strongly Disagree

reset

**The Mentee-Mentor Agreement helped to preempt an issue in the mentoring relationship.**

- ○ Strongly Agree
- ○ Agree
- ○ Neutral
- ○ Disagree
- ○ Strongly Disagree

We'd be eager to hear about any evaluation feedback from other sites.

scott.j.pearson@vumc.org

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# Deep Dive

## Cohorts

# Using Flight Tracker Cohorts

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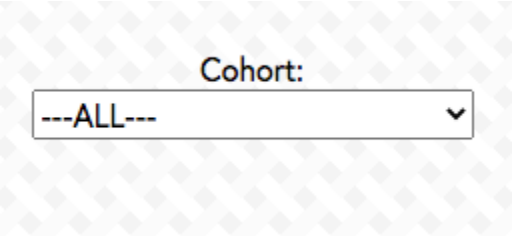
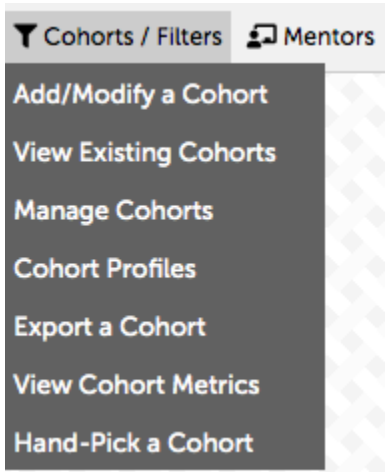
- **Defined: Sub-Group**
- Original idea – a group tracked over time
- Available all over Flight Tracker
- Allows you to look at smaller partitions like:
  - MDs vs. PhDs vs. MD/PhDs
  - Women, Women MDs, Women PhDs
  - Under-Represented Minorities
  - Those who hold certain grants
  - Classes of graduates in a training program
  - Etc.



# Cohorts Menu




- **Manage Cohorts** – Rename & Delete Cohorts
- **Cohort Profiles** – Outcomes

| Combiner | Type | Variable | Choice | Comparison | Value |
|---|---|---|---|---|---|
| | Grant | Award Type | K Equivalent | Has | |

| | |
|---|---|
| Total Number of Scholars | 54 |
| Total Number of Grants | 157 |
| Total Budgets | $179,060,956 |
| Total Number of Confirmed Original Publications | 2,262 |

- **Export a Cohort**
  - Names (txt)
  - Demographics (csv)
- **View Cohort Metrics** – Dashboards for Cohort

# Adding a Cohort

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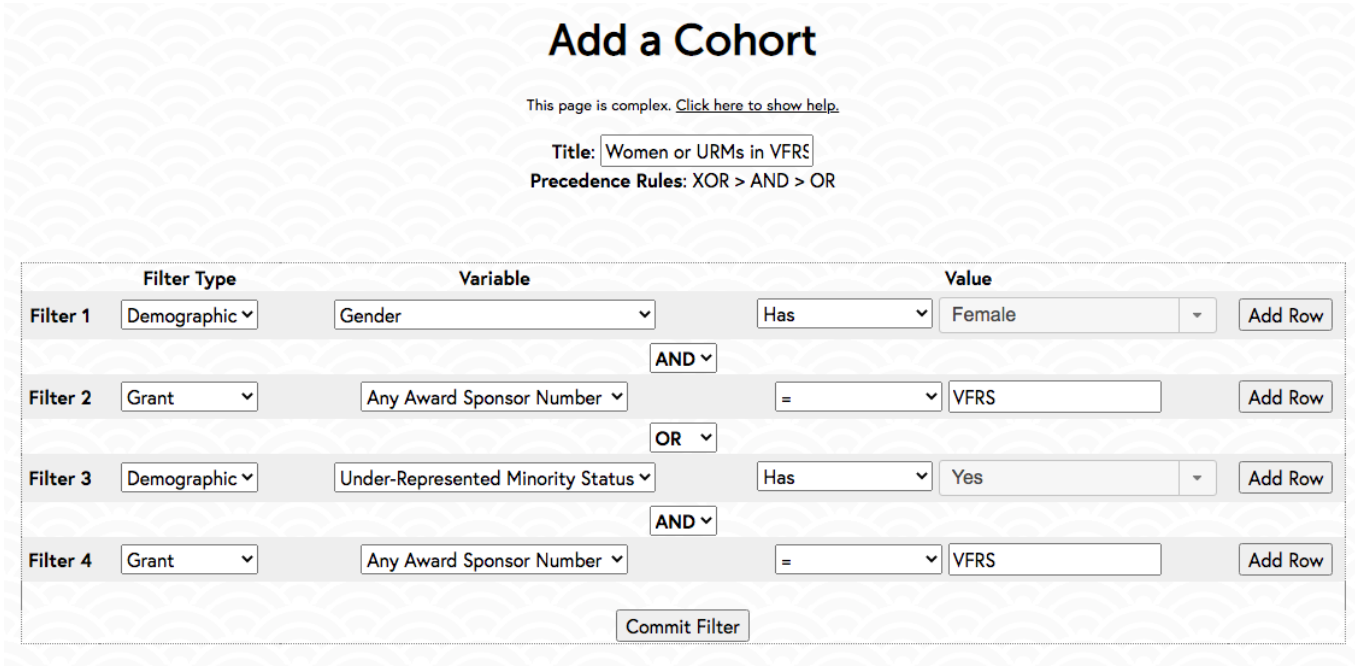
- Based on a trait or group of traits
- Up to 15 filters to describe traits
- Boolean logic to combine (AND/OR/XOR)
- Dynamically updated
  - When the data change, the cohort changes!

# Adding a Cohort




URMs in VFRS or Women in VFRS
(VFRS = Internal Vanderbilt Grant)

# Cohort Categories

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## Demographic

- Gender
- Race/Ethnicity
- Primary Department
- Current Academic Division
- Date of Birth
- Academic Degrees
- Citizenship
- Under-Represented Minority Status
- Disability Status
- Disadvantaged Status
- Start of Training Program (date)
- End of Training Program (date)
- Recorded Tenure Status
- Current Academic Rank
- Employment Status (Left/Employed at Institution)
- Email Domain

# Cohort Categories

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## Grant

- Award Type
- Conversion Status
- First Award Type
- First Award Sponsor Number
- Any Award Sponsor Number
- Activity Code
- Start of First Training Grant (T)
- End of Last Training Grant (T)
- First Any K
- Last Any K
- First R01 or Equivalent

## Publication

- Publication Category
- Number of Research Articles (iCite)
- Number of Research Articles from Date
- Scholars with Relative Citation Ratio (average)
- Scholars with Publication Type (PubMed)
- Scholars with MESH Term

# Cohort Categories

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## Resources

Anyone who has used one of your resources
and you've signed them up

Have another idea? Email scott.j.pearson@vumc.org

# Hand-Pick a Cohort

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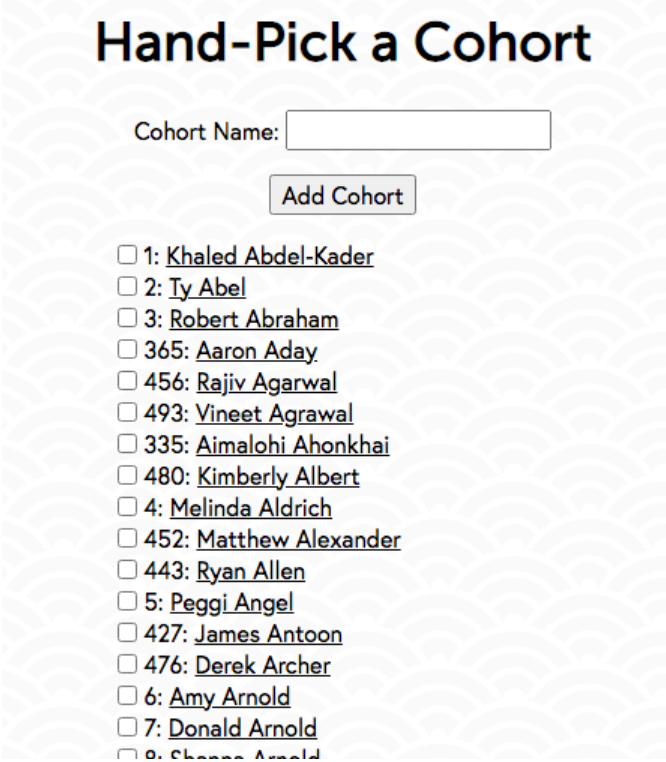
## Strengths

- Expedient – efficiently define a group
- Great if you know your scholars well

## Weaknesses

- Doesn't auto-update over time
- Doesn't catch "surprises"



# View Existing Cohorts

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Definition

## Cohort: Program Graduates

| Combiner | Type | Variable | Choice | Comparison | Value |
|---|---|---|---|---|---|
| | Grant | Award Type | Internal K | Has | |
| OR | Grant | Award Type | K12/KL2 | Has | |

## Size of Cohort Program Graduates: 309 Scholars

Show Names | Export Names | Export Demographics | Make into REDCap Project

List | Text file | CSV | Only with Supertoken

# REDCap Supertoken

- 64 characters (regular API tokens are 32 characters)
- Given by your local REDCap Admin
- Feel free to email me if they have questions (scott.j.pearson@vumc.org)
- Can *create a REDCap project*
- **Needs to be held securely!**

# Create a FT Cohort Project

- A **read-only** copy of one cohort's data
- Refreshed once a week
- Separate REDCap project
  → separate user lists
- Central project maintains wrangling
- Vanderbilt use cases
  - Department of Medicine – Divisions
  - Newman Society – K12 Grants

# Poll: Topics for Deep Dives

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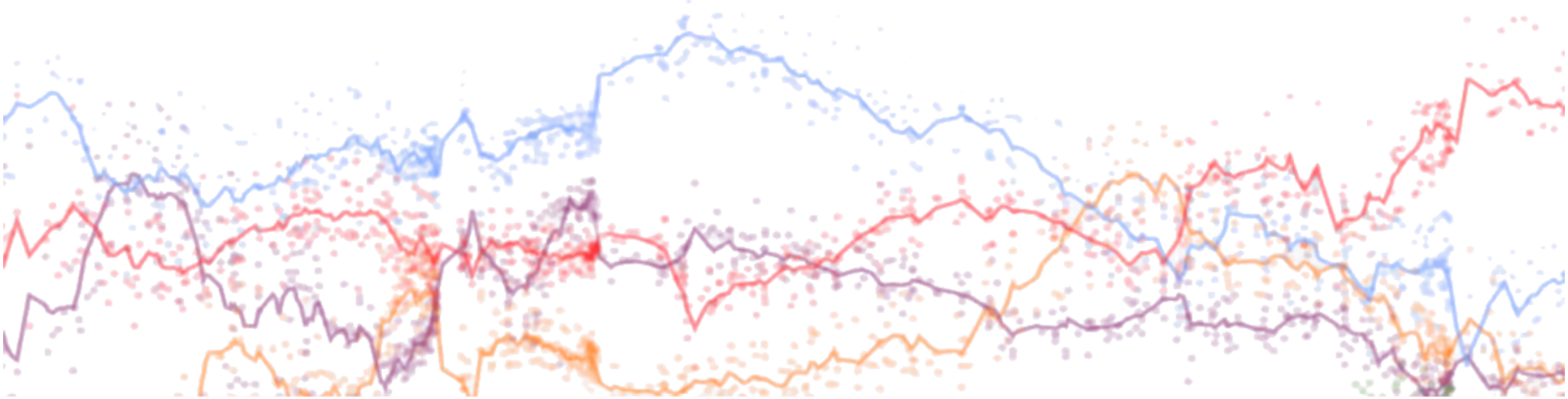
**What topic(s) would you like us to cover?**

Vote in Zoom or mention in chat.



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# What's Next?

# Downloading from NSF

- Because Federal RePORTER gone
- NSF has API for grants
- Lower volume
- Currently working through issues to make smooth
  - CAREER Awards = K Equivalent
  - REU Sites = Training Grant Admin
  - Other grants = R01 Equivalents
- Out in **4.9.0** (next week?)

# Downloading from Dept. of Ed.

- Looking into Institute of Educational Sciences' grant API (IES) and ERIC (Education's PubMed)
  - Because Federal RePORTER gone
  - Education pubs and grants
- Benefits
  - CTSAs usually have an educational component
  - Also, expands scope of Flight Tracker into education
  - Plugs into existing FT processes
- Slow timescale – in several months

# Mentee-Mentor Agreements

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- Thinking of adding a section pertaining to a "**subjective fit**" and psychological safety
- Incorporate a few additional questions to cover our bases to fulfill federal **IDP** requirements

# Troubleshooting Call

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## Monthly Troubleshooting Call (optional)

**Third Wednesday at 1pm Central Time**
**May 18, 2022**

***Driven by Your Questions & Problems***

All are welcome!

Ask to join our email list for an invitation…

# Newbie Call

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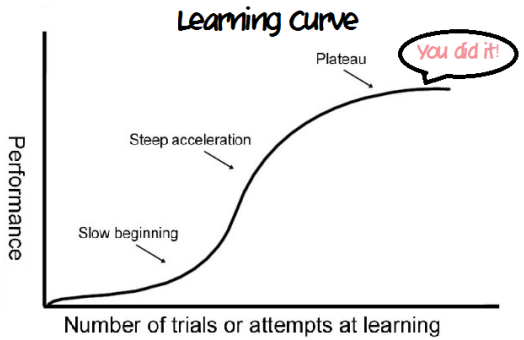
## Just getting started with Flight Tracker?




There's a definite learning curve.

Move up more quickly by joining **May's "newbie" call**.

**Tuesday, May 17 at 1pm Central Time**

Leave your email in the chat to receive an invitation

# Office Hours with ~~Rebecca &~~ Scott

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