Flight Tracker Consortium Meeting

July 6, 2022

EDGE FOR SCHOLARS

www.edgeforscholars.org

Meeting Agenda

FLIGHT TRACKER for scholars

What's New?

ERIC (Dept. of Ed.) Data Pulls
Viewing Scholar Grants

Deep Dive: Getting Started – Verna

What's Next?

Upload Prior NIH Training Tables (5 & 8)
NIH Training Tables 2-4?

Office Hours with Rebecca & Scott

FLIGHT TRACKER for scholars

What's New?

ERIC Data Pulls

- Most CTSAs have some sort of educational component
- Further, Vanderbilt education researchers have requested to hook up Flight Tracker here.
- Education's PubMed = ERIC
- 4.12.0 and later
- Plan to explore adding Department of Education grants via data from the Institute of Education Services
  - Opens potential uses for educational research groups in REDCap

ERIC Caveats

- ERIC does not list institutions consistently
- But Flight Tracker's policy is to match by name & institution!
- Thus, by default, ERIC is turned off and must be turned on manually.
  - Can turn on one record at a time (in Scholar Profiles).
  - -OR- can turn on for entire Flight Tracker project.
- Publications Wrangler to sift out false matches (e.g., Julie Taylor)

Viewing Scholar Grants

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Grab records five at a time for quicker viewing

(Kind of like Social Media's "infinite scrolling")

https://redcap.vanderbilt.edu/plugins/career_dev/charts/makeGrantTable.php?pid=66635&CDA

https://redcap.vanderbilt.edu/plugins/career_dev/charts/makeGrantTable.php?pid=66635

FLIGHT TRACKER for scholars

Deep Dive

Getting Started

Getting Started…

How do you envision using Flight Tracker?

- ❑ To gather information about grants, publications, and other externally generated (outside your institution) data

- ❑ To merge externally generated data with data you've collected on your scholars.

Getting Started: Collecting external data

Requirements for project set up:

1) Turn on FT external module in REDCap
2) Add API import and export rights to your user
3) Generate an API token at the start of the project
4) Add a list of departments and resources
5) Assign user rights
6) Upload your list of scholars to the project
7) Set project to run overnight
8) Publication wrangling may begin after about 24 hours after starting project

Adding API import and export rights

(Not expecting this page? Click Here to Disable Flight Tracker)

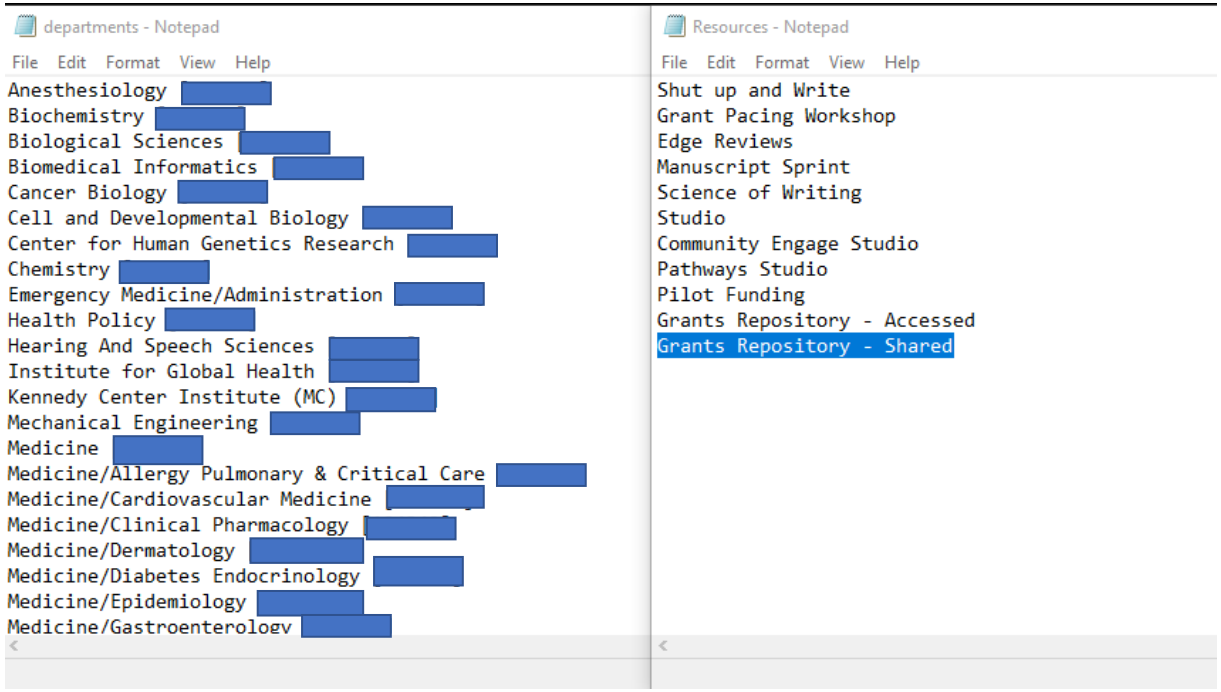
Flight Tracker Installation

This user must have API Import rights for this project in order to install Flight Tracker

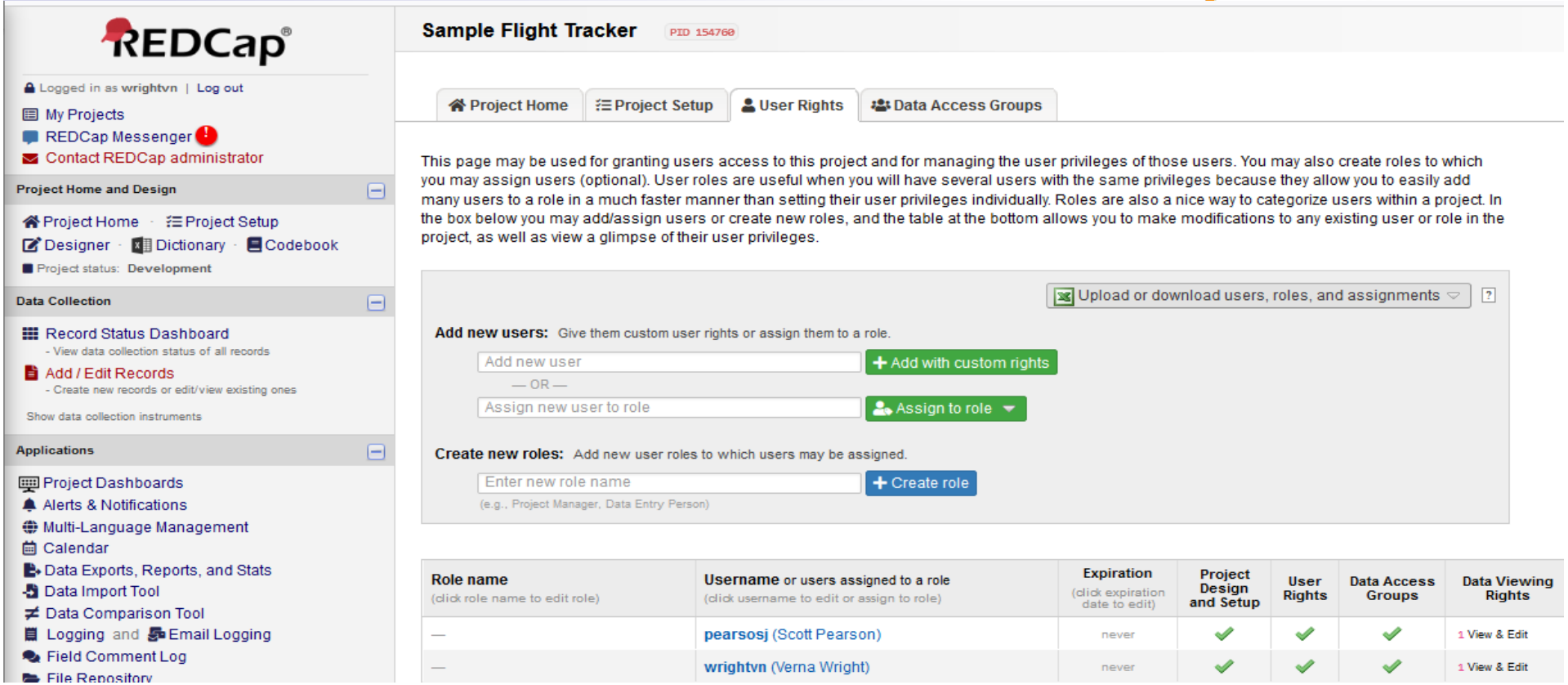
This user must have API Export rights for this project in order to install Flight Tracker

To assign API rights, follow the link; select your username from the list; select 'Edit user priviledges;' and check API Import rights, API Export rights.

Adding a list of departments and resources

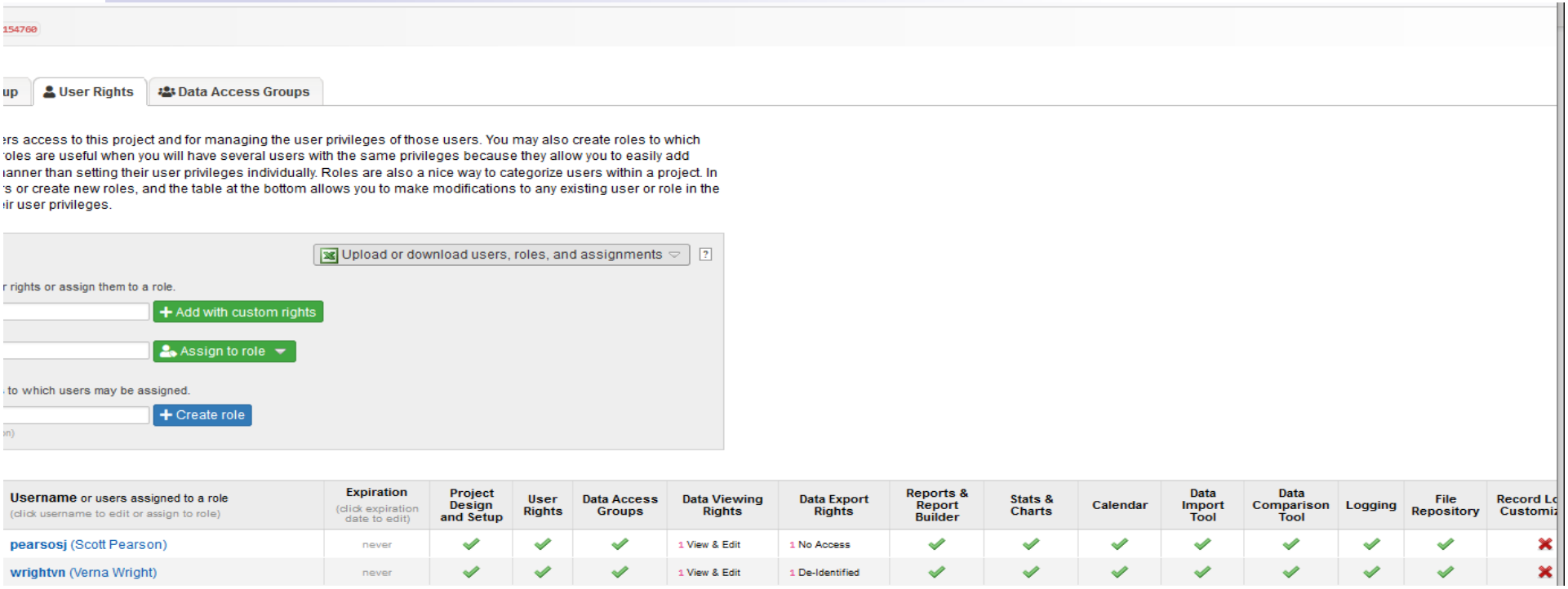


Assigning User Rights



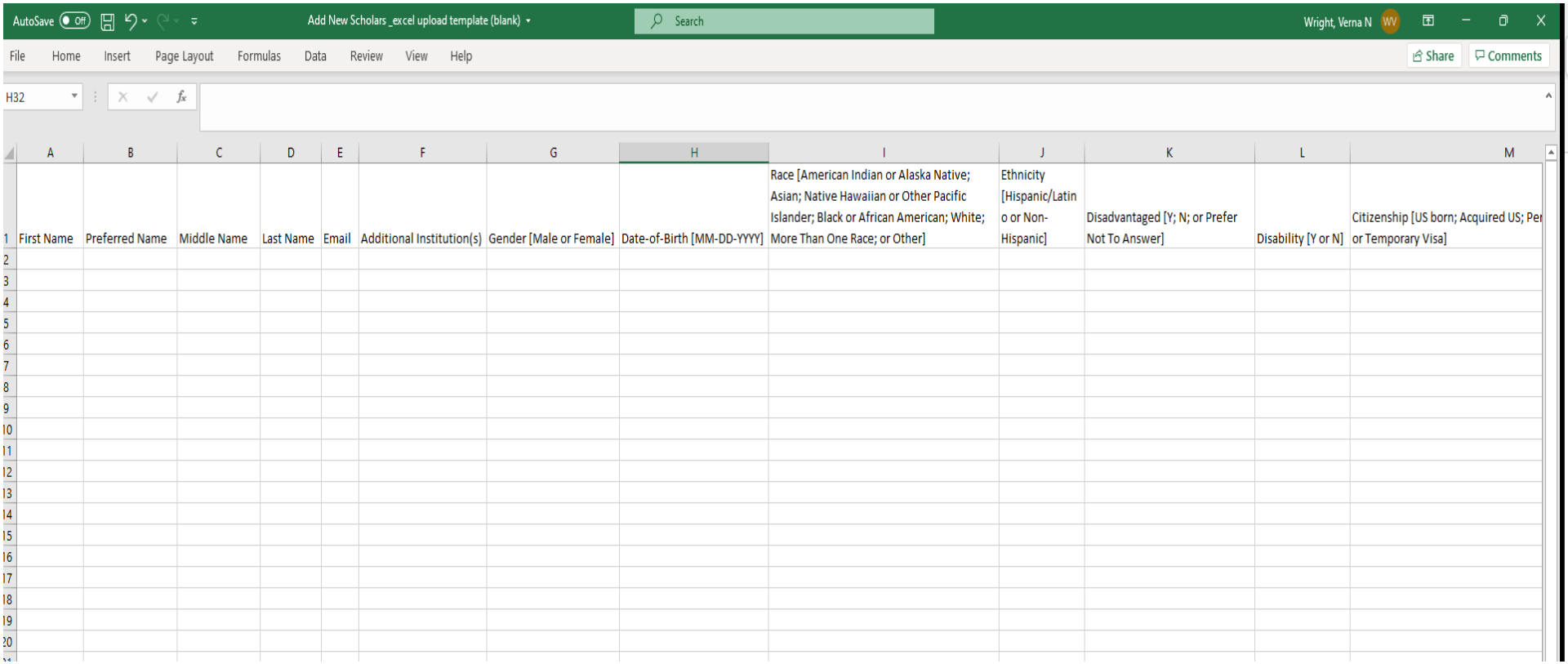
Assigning User Rights

FLIGHT TRACKER for scholars



Uploading your list of scholars

FLIGHT TRACKER for scholars



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	First Name	Preferred Name	Middle Name	Last Name	Email	Additional Institution(s)	Gender [Male or Female]	Date-of-Birth [MM-DD-YYYY]	Race [American Indian or Alaska Native; Asian; Native Hawaiian or Other Pacific Islander; Black or African American; White; More Than One Race; or Other]	Ethnicity [Hispanic/Latino or Non-Hispanic]	Disadvantaged [Y; N; or Prefer Not To Answer]	Disability [Y or N]	Citizenship [US born; Acquired US; Per or Temporary Visa]
2													
3													
4													
5													
6													
7													
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11													
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20													

Uploading your list of scholars

FLIGHT TRACKER for scholars

	L	M	N	O	P
	N; or Prefer	Disability [Y or N]	Citizenship [US born; Acquired US; Permanent US Residency; or Temporary Visa]	Primary Mentor	ORCID	First Day of Training at Institution (MM-DD-YYYY)

Off to the races!

Once you set your project to run overnight, Flight Tracker goes to work for you.

Wait a few days before you start publication wrangling (or not).

Publication Wrangling

Rebecca Helton's presentation on publication wrangling:

https://redcap.vanderbilt.edu/plugins/career_dev/help/video.php?video=2022-06-01

“I have customized data I’d like to import”

FLIGHT TRACKER for scholars

Spotlight: Vanderbilt's MSTP data import project

The director of our Medical Scientist Training Program reached out to Scott to inquire about customizing a Flight Tracker project.

Issues:

- Lack of comprehensive data gathering tool
- Tedious analytical process come reporting and grant renewal time

Customizing Flight Tracker to import your data

FLIGHT TRACKER for scholars

This project required a little more prepping upfront

Much to do about data

Additional steps required:

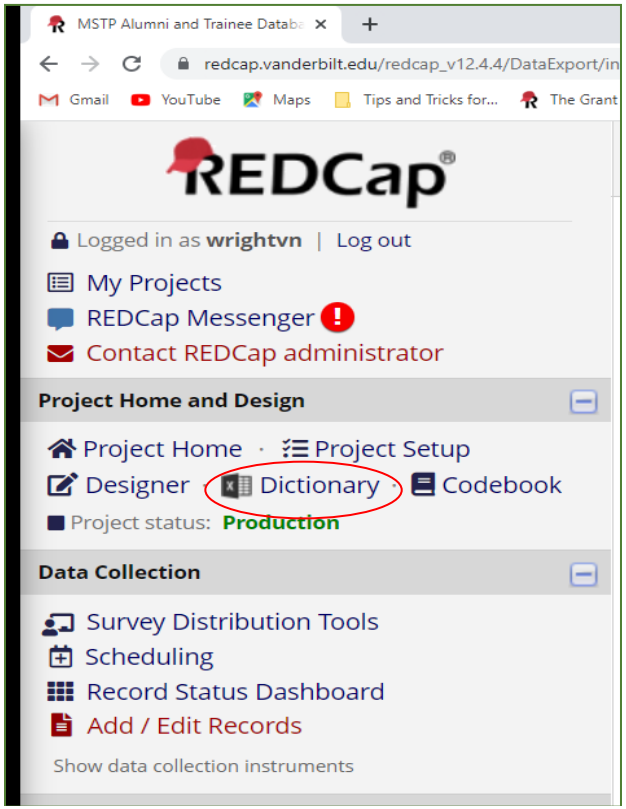
1) Adding new customized data labels to the Flight Tracker data dictionary for the project
2) Uploaded new data dictionary into the MSTP project
3) Made sure each cell in the MSTP spreadsheet corresponded with a specific data label
4) Modified data on spreadsheet for easier upload:
   - Yes or no questions, multiple choice answers, text
5) Uploaded spreadsheet

When Getting Ready for Data Importing

Data Dictionary:

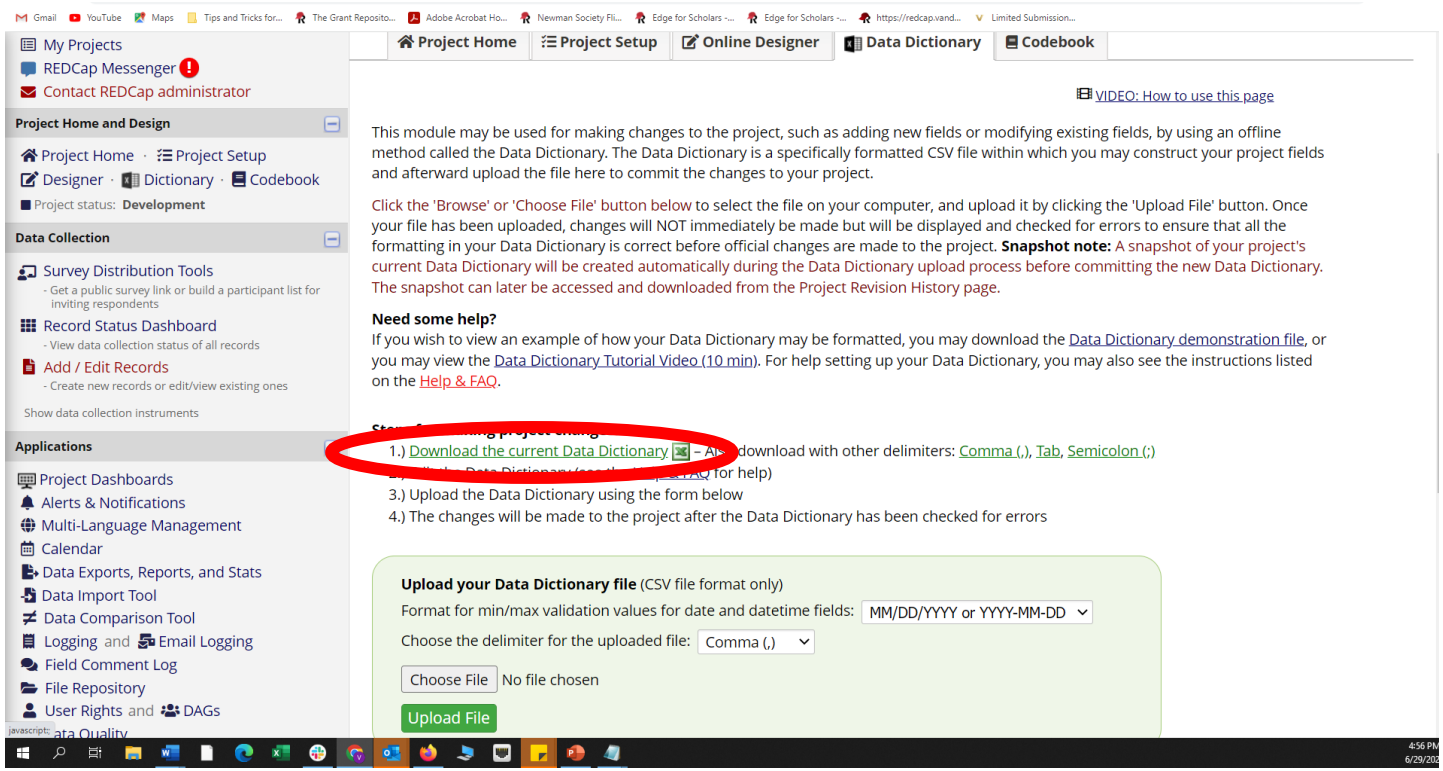
- You will need to download, customize, then upload new version of the data dictionary
- View the Data Dictionary Tutorial Video (10 min) for instructions on how to build your custom data dictionary. You can also refer to the instructions listed on REDCap's Help & FAQ page.
- A transcript of the data dictionary may be downloaded if you prefer to read through the instructions on your own.

Data Dictionary Interface



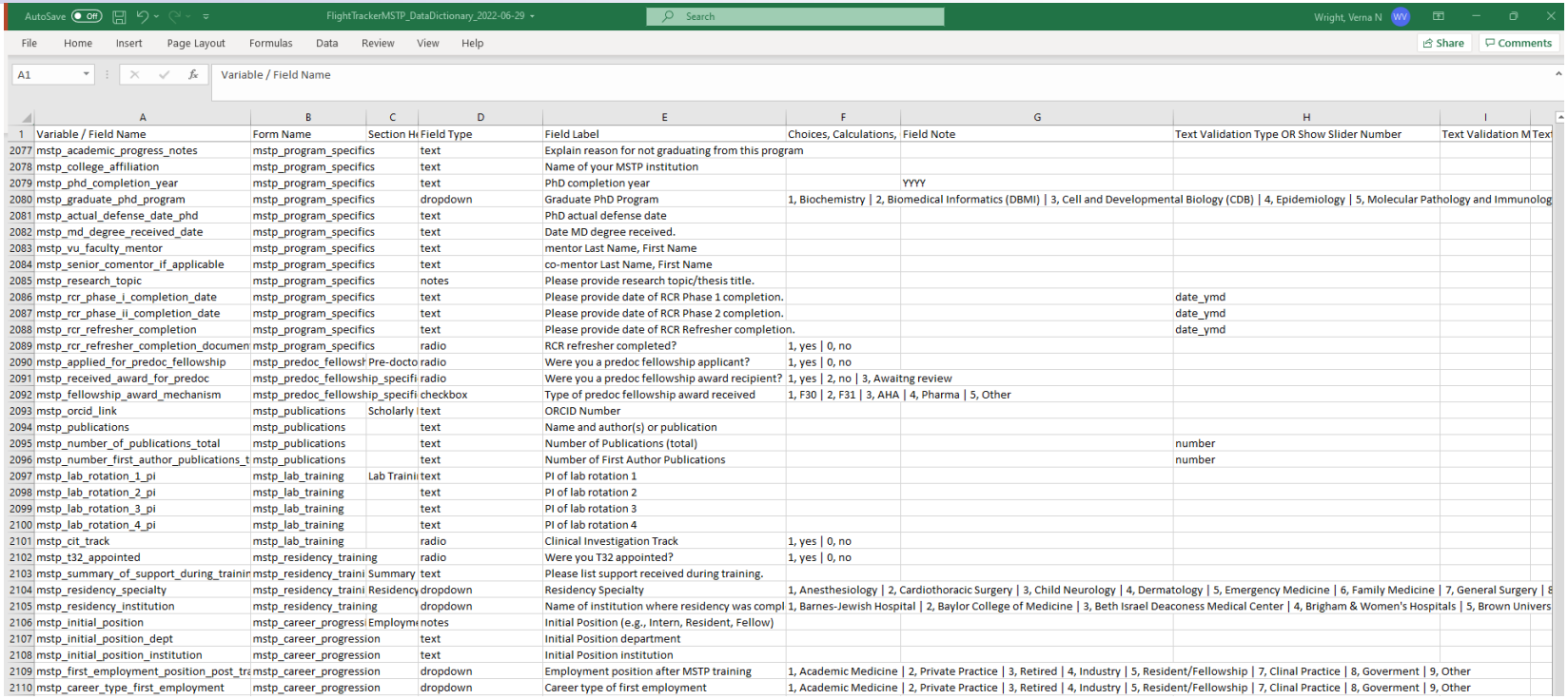
Download the Data Dictionary

FLIGHT TRACKER for scholars



Getting Ready for Data Importing

FLIGHT TRACKER for scholars



	A	B	C	D	E	F	G	H	I
1	Variable / Field Name	Form Name	Section He	Field Type	Field Label	Choices, Calculations,	Field Note	Text Validation Type OR Show Slider Number	Text Validation M
2077	mstp_academic_progress_notes	mstp_program_specifics		text	Explain reason for not graduating from this program				
2078	mstp_college_affiliation	mstp_program_specifics		text	Name of your MSTP institution				
2079	mstp_phd_completion_year	mstp_program_specifics		text	PhD completion year		YYYY		
2080	mstp_graduate_phd_program	mstp_program_specifics		dropdown	Graduate PhD Program	1, Biochemistry | 2, Biomedical Informatics (DBMI) | 3, Cell and Developmental Biology (CDB) | 4, Epidemiology | 5, Molecular Pathology and Immunolog			
2081	mstp_actual_defense_date_phd	mstp_program_specifics		text	PhD actual defense date				
2082	mstp_md_degree_received_date	mstp_program_specifics		text	Date MD degree received.				
2083	mstp_vu_faculty_mentor	mstp_program_specifics		text	mentor Last Name, First Name				
2084	mstp_senior_comentor_if_applicable	mstp_program_specifics		text	co-mentor Last Name, First Name				
2085	mstp_research_topic	mstp_program_specifics		notes	Please provide research topic/thesis title.				
2086	mstp_rcr_phase_i_completion_date	mstp_program_specifics		text	Please provide date of RCR Phase 1 completion.			date_ymd	
2087	mstp_rcr_phase_ii_completion_date	mstp_program_specifics		text	Please provide date of RCR Phase 2 completion.			date_ymd	
2088	mstp_rcr_refresher_completion	mstp_program_specifics		text	Please provide date of RCR Refresher completion.			date_ymd	
2089	mstp_rcr_refresher_completion_documen	mstp_program_specifics		radio	RCR refresher completed?	1, yes | 0, no			
2090	mstp_applied_for_predoc_fellowship	mstp_predoc_fellowsl	Pre-docto	radio	Were you a predoc fellowship applicant?	1, yes | 0, no			
2091	mstp_received_award_for_predoc	mstp_predoc_fellowship_specifi		radio	Were you a predoc fellowship award recipient?	1, yes | 2, no | 3, Awaitng review			
2092	mstp_fellowship_award_mechanism	mstp_predoc_fellowship_specifi		checkbox	Type of predoc fellowship award received	1, F30 | 2, F31 | 3, AHA | 4, Pharma | 5, Other			
2093	mstp_orcid_link	mstp_publications	Scholarly	text	ORCID Number				
2094	mstp_publications	mstp_publications		text	Name and author(s) or publication				
2095	mstp_number_of_publications_total	mstp_publications		text	Number of Publications (total)			number	
2096	mstp_number_first_author_publications_t	mstp_publications		text	Number of First Author Publications			number	
2097	mstp_lab_rotation_1_pi	mstp_lab_training	Lab Traini	text	PI of lab rotation 1				
2098	mstp_lab_rotation_2_pi	mstp_lab_training		text	PI of lab rotation 2				
2099	mstp_lab_rotation_3_pi	mstp_lab_training		text	PI of lab rotation 3				
2100	mstp_lab_rotation_4_pi	mstp_lab_training		text	PI of lab rotation 4				
2101	mstp_cit_track	mstp_lab_training		radio	Clinical Investigation Track	1, yes | 0, no			
2102	mstp_t32_appointed	mstp_residency_training		radio	Were you T32 appointed?	1, yes | 0, no			
2103	mstp_summary_of_support_during_trainin	mstp_residency_traini	Summary	text	Please list support received during training.				
2104	mstp_residency_specialty	mstp_residency_traini	Residency	dropdown	Residency Specialty	1, Anesthesiology | 2, Cardiothoracic Surgery | 3, Child Neurology | 4, Dermatology | 5, Emergency Medicine | 6, Family Medicine | 7, General Surgery | 8			
2105	mstp_residency_institution	mstp_residency_training		dropdown	Name of institution where residency was compl	1, Barnes-Jewish Hospital | 2, Baylor College of Medicine | 3, Beth Israel Deaconess Medical Center | 4, Brigham & Women's Hospitals | 5, Brown Univers			
2106	mstp_initial_position	mstp_career_progressi	Employme	notes	Initial Position (e.g., Intern, Resident, Fellow)				
2107	mstp_initial_position_dept	mstp_career_progression		text	Initial Position department				
2108	mstp_initial_position_institution	mstp_career_progression		text	Initial Position institution				
2109	mstp_first_employment_position_post_tra	mstp_career_progression		dropdown	Employment position after MSTP training	1, Academic Medicine | 2, Private Practice | 3, Retired | 4, Industry | 5, Resident/Fellowship | 7, Clinal Practice | 8, Goverment | 9, Other			
2110	mstp_career_type_first_employment	mstp_career_progression		dropdown	Career type of first employment	1, Academic Medicine | 2, Private Practice | 3, Retired | 4, Industry | 5, Resident/Fellowship | 7, Clinal Practice | 8, Goverment | 9, Other			

MSTP Data Dictionary

Getting Ready for Data Importing

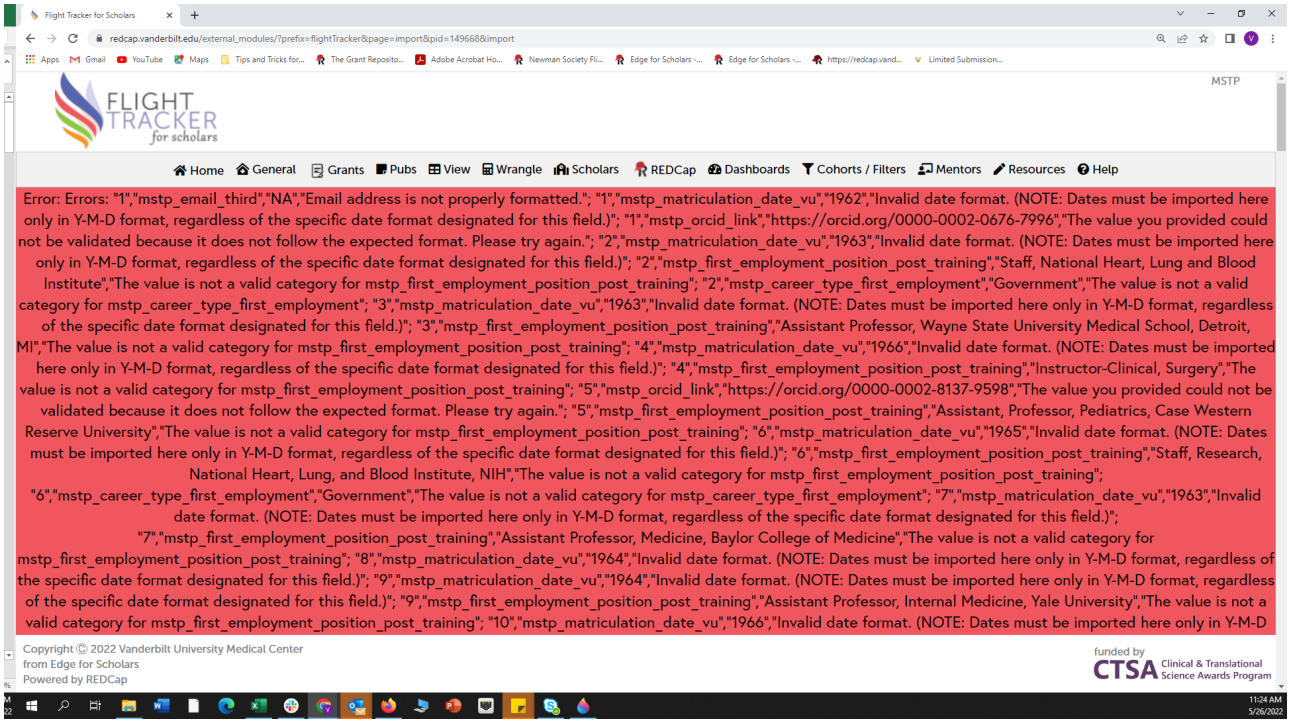
FLIGHT TRACKER for scholars

Data Labels

Data labels must be assigned to each entry row in your project spreadsheet before uploading the data

Once your data is prepped with the appropriate variable names, form names, section header and so on, you are ready to import your data.

Data Import Troubleshooting



It happens!

The system prompts you on where to look on your spreadsheet for errors.

Mission accomplished

Your data was successfully uploaded!

Final Thoughts

- Determine the right flow of data entry when modifying data dictionary
- It's easier to upload information in batches
- Errors are common during upload
- If you get stuck, feel free to reach out to scott.j.pearson@vumc.org

Deep Dive

FLIGHT TRACKER for scholars

August's Deep Dive

On Monthly Consortium Call

Finessing NIH Tables 5 & 8

Rebecca Helton & Scott Pearson

FLIGHT TRACKER for scholars

What's Next?

Upload Prior NIH Training Tables (5 & 8)

- I've listened to feedback about NIH Training Tables…

? "Shouldn't I just be able to upload last renewal's training tables and let Flight Tracker start processing from there?"

- In theory, this fits well for Tables 5 (publications) and 8 (outcomes)
- Will use Microsoft Excel as a starting point
- Goal for Process:
  1. Upload last year's tables to make data for Flight Tracker/REDCap
  2. Use current Flight Tracker infrastructure to identify holes
  3. Fill in holes
  4. Produce Training Tables

NIH Training Tables 2-4

FLIGHT TRACKER for scholars

- Not much data overlap with Flight Tracker ☹
- Most helpful for institutional implementation, not just one group
- At Vanderbilt, Training Tables 2-4 require a lot of communication among groups ➔ Try to make communication more efficient
- Also, try to preserve notes from last time
- Export to Excel & talks with NIH RePORTER
- Getting close to being able to share…

Troubleshooting Call

FLIGHT TRACKER for scholars

Monthly Troubleshooting Call (optional)

Third Wednesday at 1pm Central Time
July 20, 2022

Driven by Your Questions & Problems

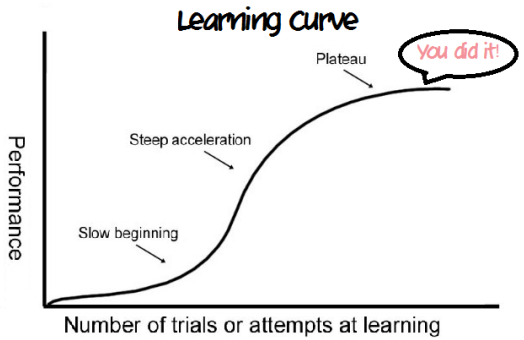
All are welcome!

Ask to join our email list for an invitation…

Newbie Call

FLIGHT TRACKER for scholars

Just getting started with Flight Tracker?



There's a definite learning curve.

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

Tuesday, July 12 at 12pm Central Time

Leave your email in the chat to receive an invitation

Office Hours with Rebecca & Scott

FLIGHT TRACKER for scholars