

Data Group Progress

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Along came Trello

The screenshot displays a Trello board with several columns, each representing a project or task. The cards are organized into columns based on their completion status or date. Each card includes a title, a list of sub-tasks, and various icons indicating progress and status.

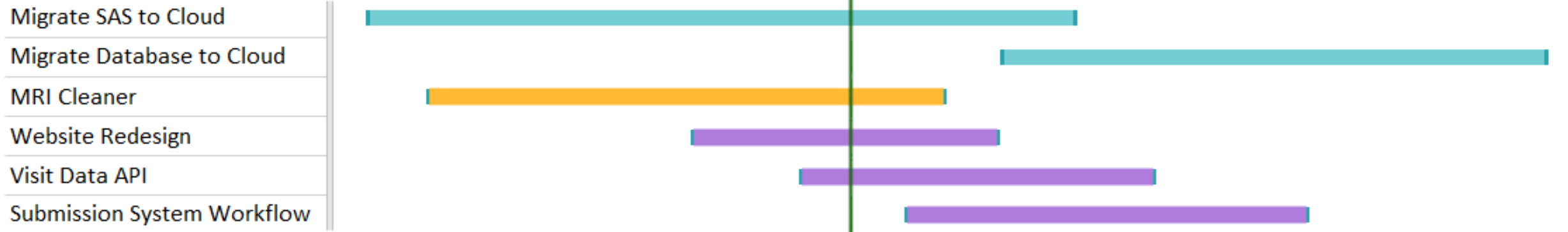
- Completed - 8/21**
 - Set up MRI submission for Yale (9 comments, 1 attachment, 1 star, KS)
 - Scan Processor - Reconstitution program (2 comments, 3 attachments, 3/3 progress, 3 stars, K)
 - DicomCleaner - Add leading 0s into NACCIDs (1 comment, 1 star, K)
 - New Website - add "active" class (6 comments, 1 attachment, 1 star, 1 merged, KS)
 - Scan Submission - Link S3 to Batch Job
- Completed - 8/14**
 - Zero scores - Remove data cleaning reports from page (3 comments, 1 attachment, 1 star, KS)
 - Add link to Guide to Query system to the output for "Calculated summary MRI volume data available - by volume type" (5 comments, 4 attachments, KS)
 - Payment Tracker - add ADC name column (2 comments, 3 attachments, 3 stars, 1 merged, G, K)
 - Add FTLD/LBD data to ADGC phenotype file. (5 comments, 2 attachments, 1/1 progress, 2 stars, KS)
- Completed 8/7**
 - Scan Processor - Modify so that input is one study zip file and output are series saved in s3 (5 comments, 3 attachments, 6/6 progress, 3 stars, K, star)
 - Create age corrected MoCA score derived variable named NACCMOCA (11 comments, 5 attachments, 3/3 progress, 3 stars, KS, MT)
 - Remove "under construction" Imaging Systems (3 comments, 2 attachments, 2/2 progress, 1 star, bee icon)
 - NP e-form (NPID)
- Completed - 7/31**
 - Create CSV data dictionary for Quick-Access file (62 comments, 27 attachments, 3/3 progress, 1 star, KS, MT)
 - Create error check for CRAFT IMMEDIATE/DELAYED - verbatim (15 comments, 4 attachments, 1 star, K, MT)
 - Create error check for CRAFT IMMEDIATE/DELAYED - paraphrase (5 comments, K, MT)
 - Create error check for BENSON
- Completed - 7/22**
 - Scan Processor - Determine series type and record in study table (1 comment, 1 attachment, 1 star)
 - Scan Processor - Table normalization (3 comments, 2 attachments, 3/3 progress, 1 star)
 - RequestA research (1 comment, 1 attachment, 1 star)
 - Update data requests with new mri volume variable names (11/11 progress, K, star)
 - Gate question/skip pattern correction: UDS Form A4 ANYMEDS (2 comments, 2 attachments, 1 star, G, MT)
 - Changes to "Training" section on

Individual tasks completed (239)

- Expanded the UDS submission “auto finalize” feature
- Created automated LEADS enrollment report
- Processed ADGC round 10 data
- Provided PTID -> NACCID mapping file to ADRCs
- Improved ADRC onboarding process
- Updated system to allow "Exploratory" ADRCs
- Introduced support channel (nacc_help@uw.edu)

Bigger projects

- Cloud Migration
- MRI Cleaning Process
- Interface Improvements



Cloud Migration

NACC Data Submission: Future directions

Problem:

I want a fast, scalable, reliable environment.

Solution:

Cloud computing



What does “cloud migration” mean?

Migrate SAS to cloud

Migrate Database to cloud

What does “cloud migration” mean?

Migrate SAS to cloud

Migrate Database to cloud

Rethink infrastructure to make full use of cloud services

Rewrite software in cloud-friendly languages

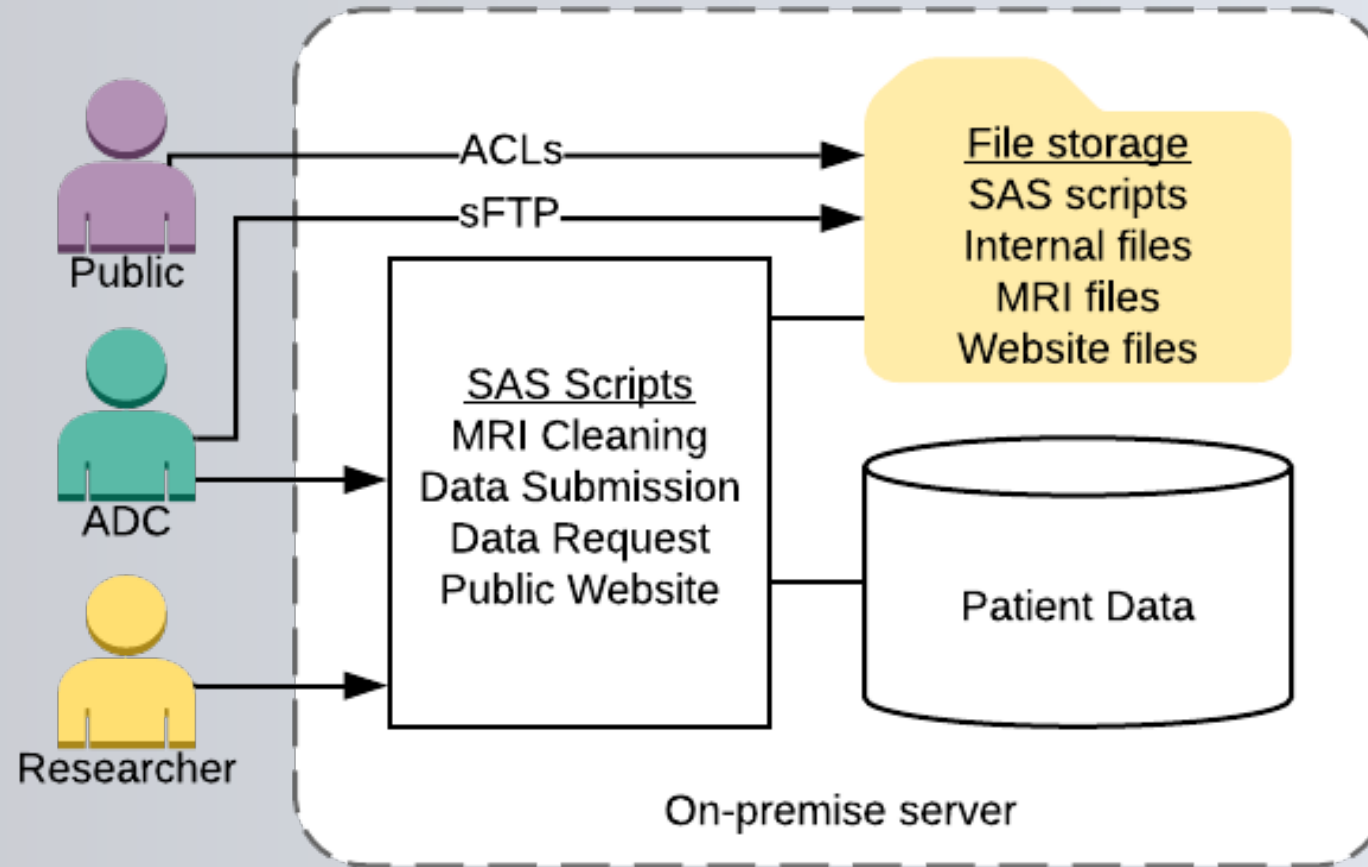
Decouple systems so they function independently

Monitoring, metrics, and reporting

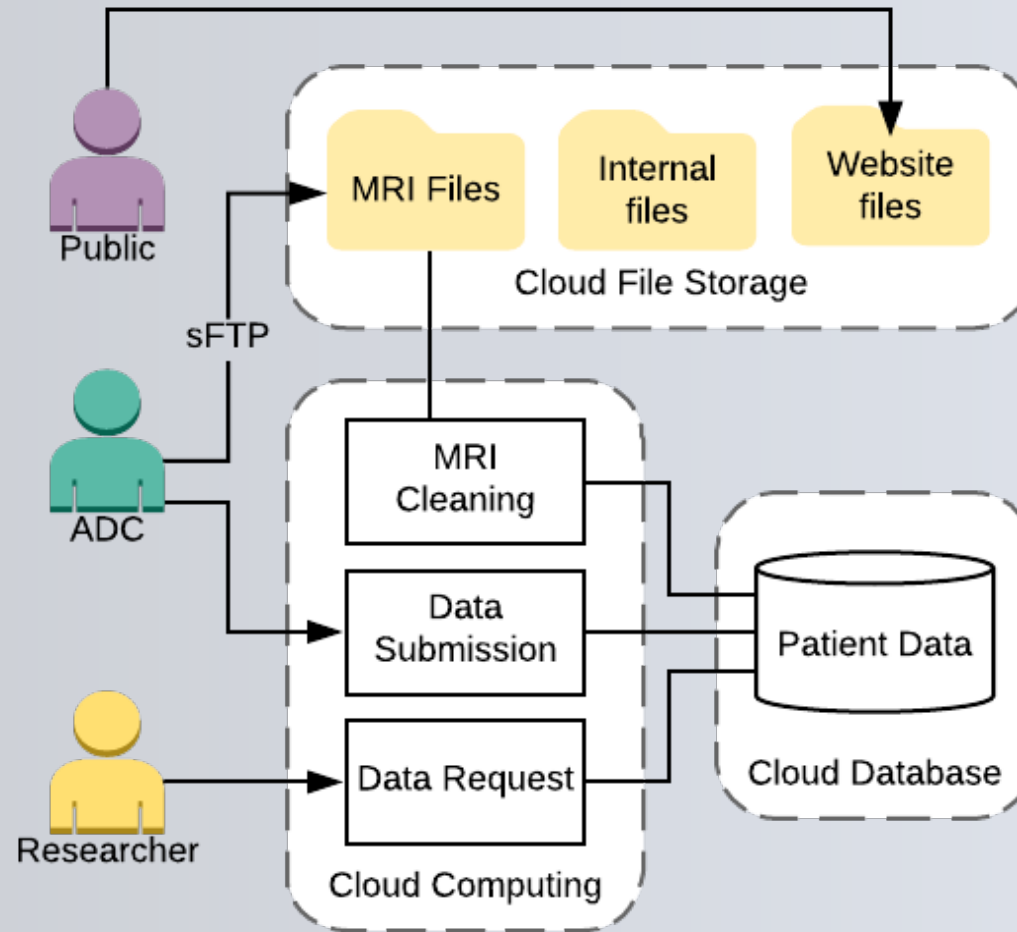
Error tracking and handling

Backups and security

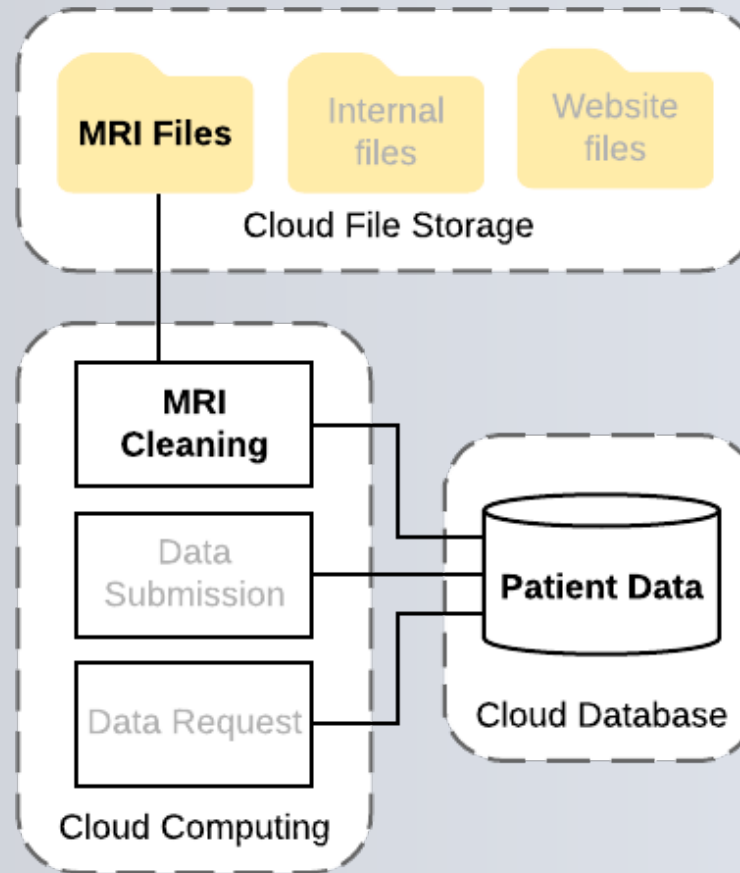
Single server design



Cloud-based design

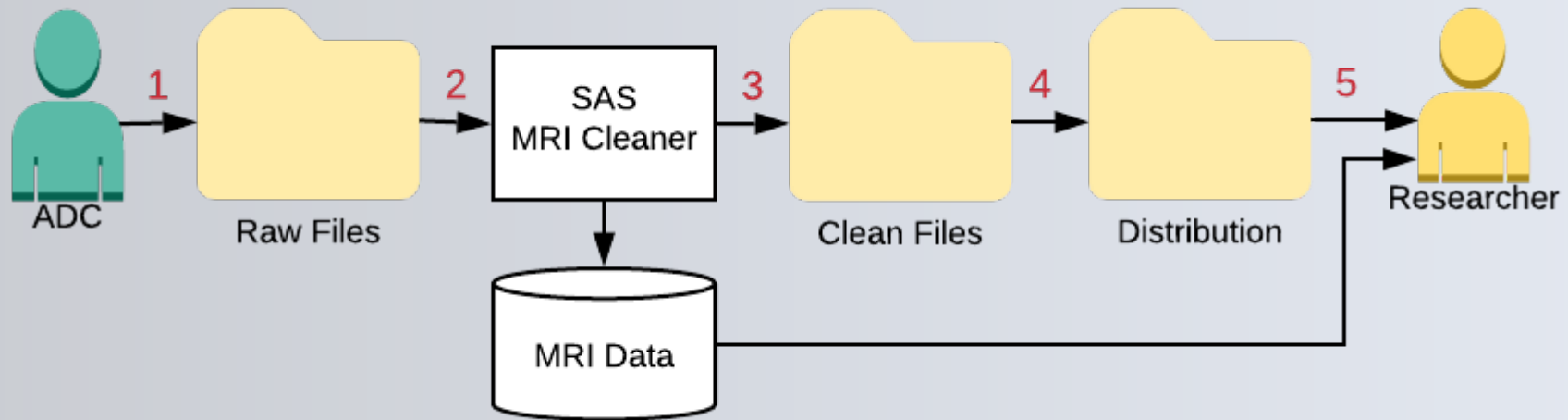


First step, MRI cleaner

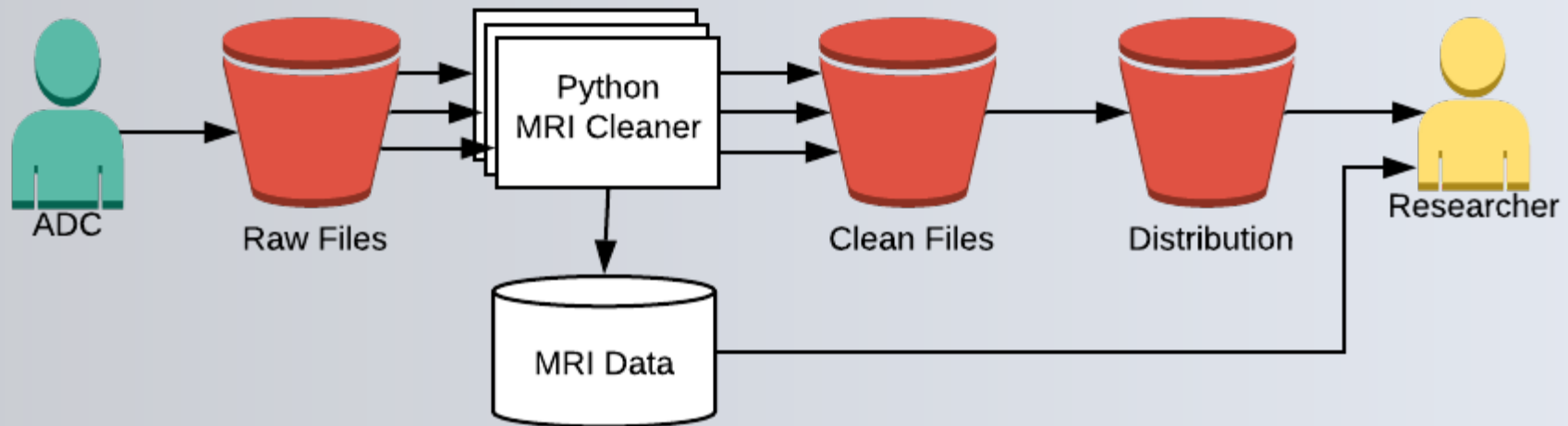


MRI Cleaning Process

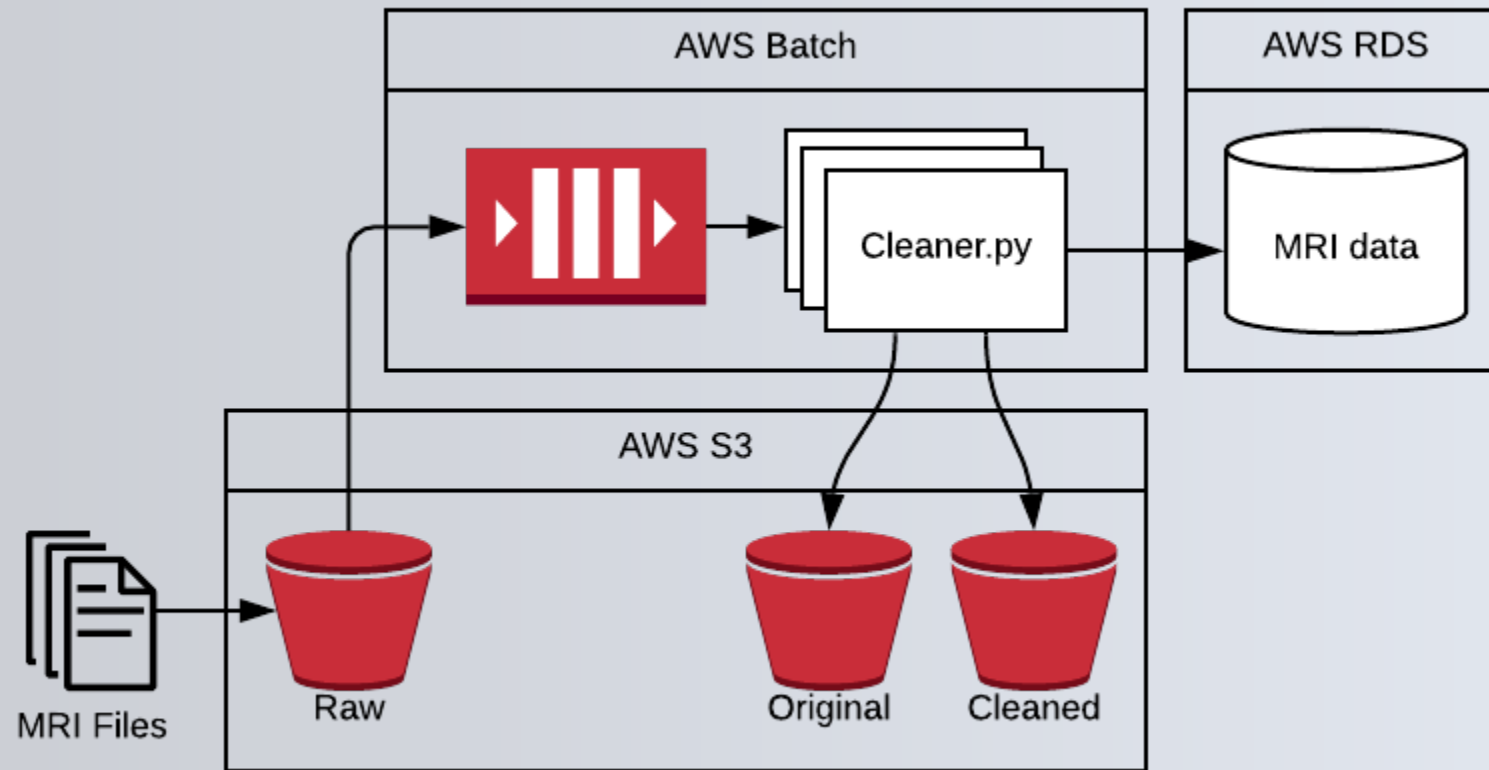
On-prem workflow



Cloud workflow



A closer look at the AWS services



Sounds great, when can I use it?

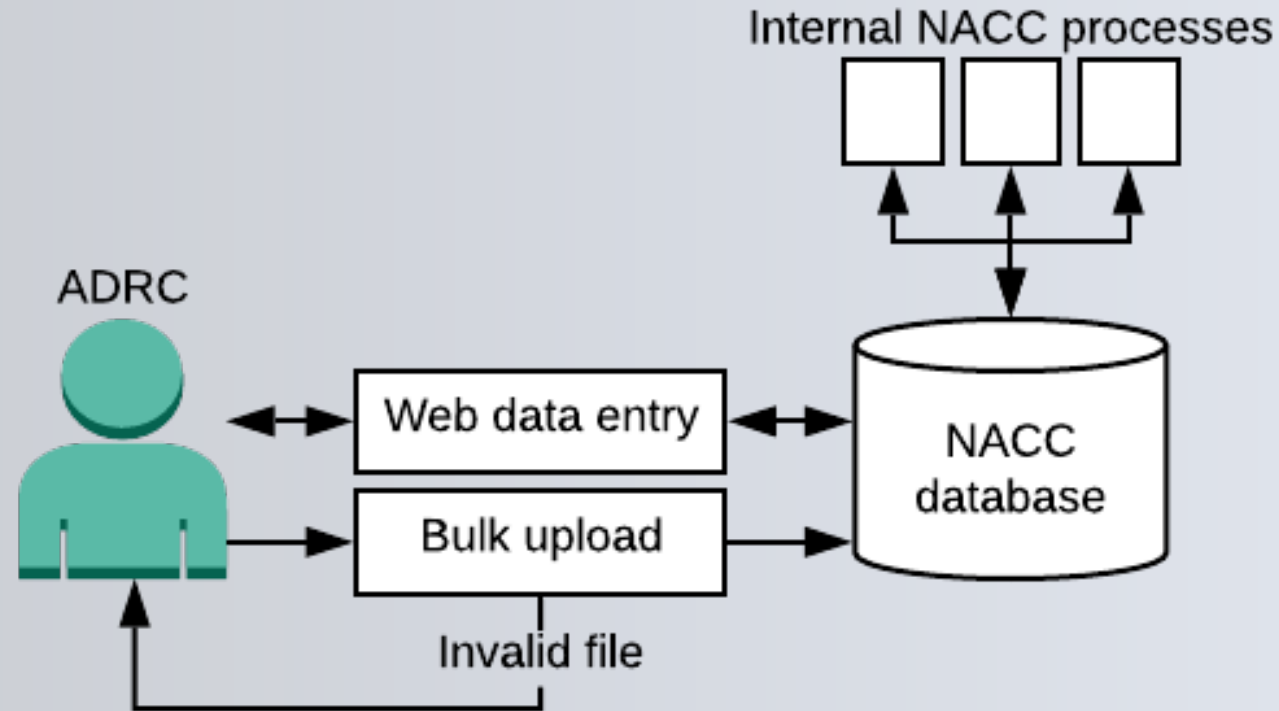
It's usable now! There is some ongoing work:

- Include data from the new system in data requests
- Update monthly report to show counts from new system
- Improve feedback to user

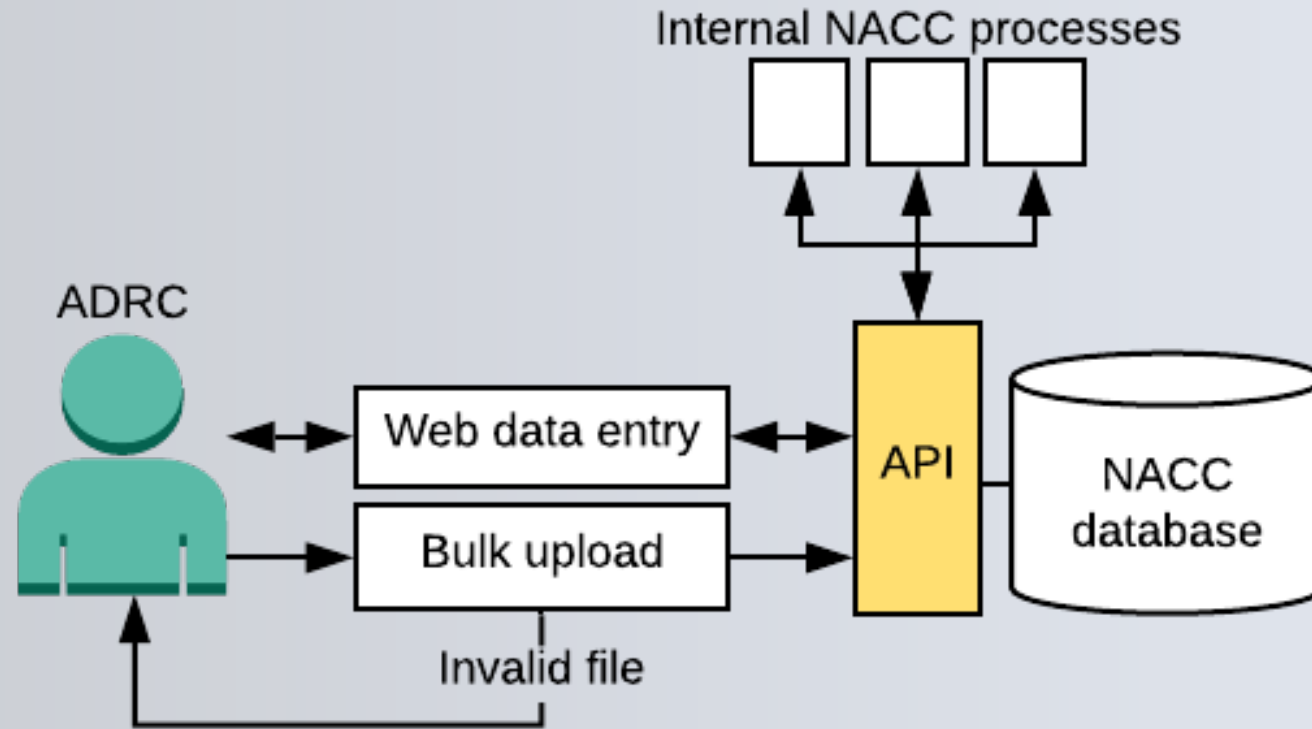
We will reach out to centers with next steps. If you'd like to join the pilot program already in progress let me know! bstahly@uw.edu

Visit Data API

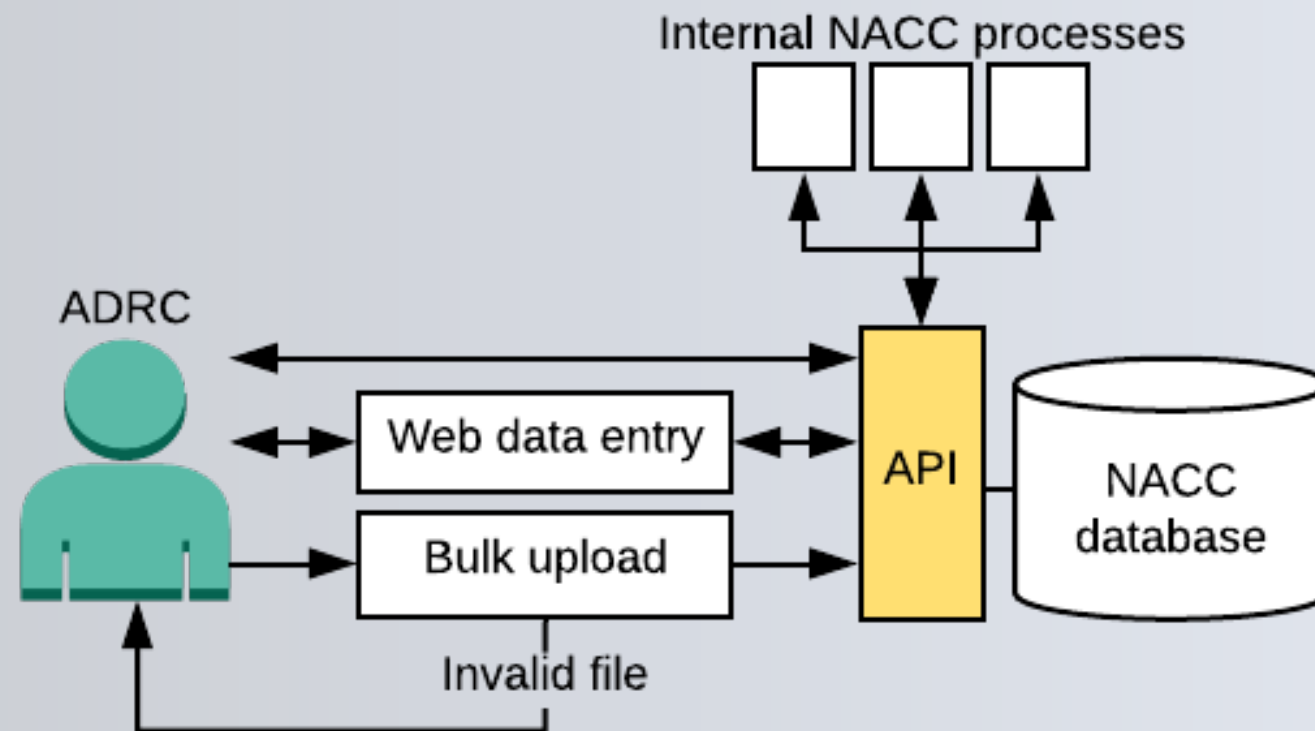
Current flow of visit data



Addition of an API layer



Making the API “public”



Introduction to New Monthly Report Graphs

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Monthly report summary tables

Table 2: Missed follow-up visit rates by Center

Center	F ₁	F ₂	F ₃	F ₄	F ₅	F ₆	F ₇	F ₈
Arizona Alzheimers Center	21%	19%	24%	29%	26%	32%	33%	41%
Boston U	20%	24%	26%	29%	17%	20%	27%	24%
Columbia	12%	11%	10%	15%	15%	18%	19%	19%
Emory	28%	34%	40%	36%	42%	44%	55%	69%
1Florida ADRC	20%	32%	52%	0%	--	--	--	--
Indiana U	25%	18%	19%	17%	18%	18%	12%	17%
Johns Hopkins	21%	27%	26%	25%	22%	18%	28%	20%
Massachusetts ADRC	16%	19%	28%	23%	14%	22%	17%	12%
Mayo	8%	8%	8%	10%	10%	14%	19%	22%
Mount Sinai	8%	9%	8%	9%	8%	10%	11%	13%
New York U	43%	18%	4%	6%	5%	13%	15%	18%
Northwestern	10%	14%	17%	13%	13%	13%	12%	14%
Oregon Health & Science U	8%	7%	10%	14%	10%	11%	5%	12%
Rush U	19%	32%	28%	21%	32%	60%	81%	90%
Stanford2	10%	11%	3%	--	--	--	--	--

Center	F ₁	F ₂	F ₃	F ₄	F ₅	F ₆	F ₇	F ₈
U Michigan ADC	33%	27%	0%	100%	100%	0%	0%	100%
U California, Davis	14%	25%	28%	27%	28%	28%	30%	40%
U California, Irvine	10%	14%	13%	16%	20%	25%	22%	22%
U California, San Diego	12%	22%	17%	27%	21%	28%	18%	23%
U California, San Francisco	29%	37%	37%	39%	38%	35%	32%	35%
U Kansas	10%	10%	12%	14%	15%	18%	13%	0%
U Kentucky	14%	19%	19%	20%	23%	22%	23%	25%
U Pennsylvania	17%	22%	22%	18%	20%	15%	15%	25%
U Pittsburgh	27%	22%	25%	22%	21%	19%	19%	23%
U Southern California	14%	11%	6%	0%	0%	0%	0%	0%
U Washington	17%	19%	16%	17%	13%	11%	10%	16%
U Wisconsin	0%	1%	1%	0%	1%	2%	7%	5%
Wake Forest	19%	20%	0%	--	--	--	--	--
Washington U, Saint Louis	24%	28%	29%	32%	33%	36%	37%	35%
Yale	21%	23%	35%	--	--	--	--	--

Clinical Core Characteristics

Figure 1. Distribution of cognitive status at most recent visit for active clinical core participants by center

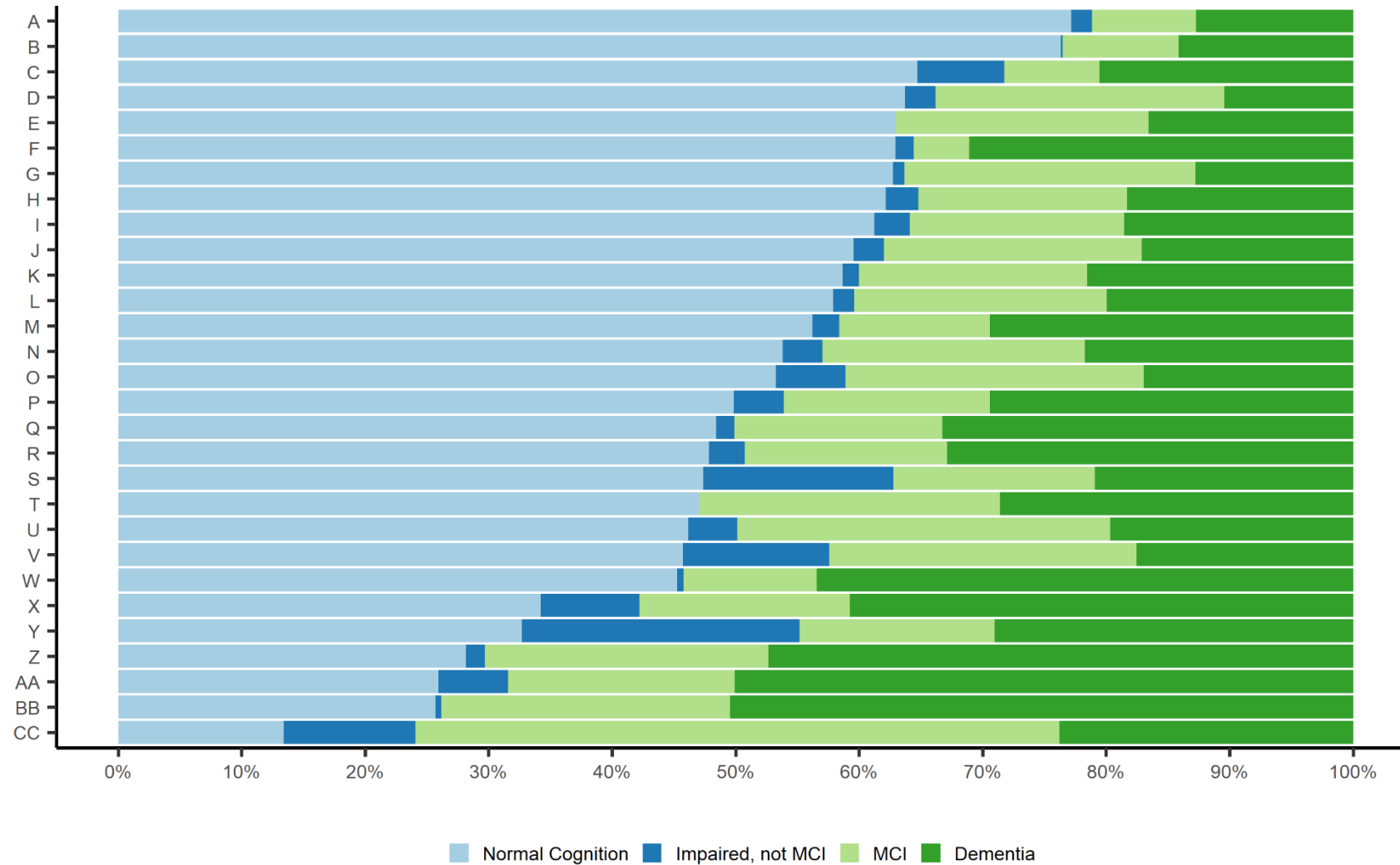


Figure 2. Distribution of race for active clinical core participants by center

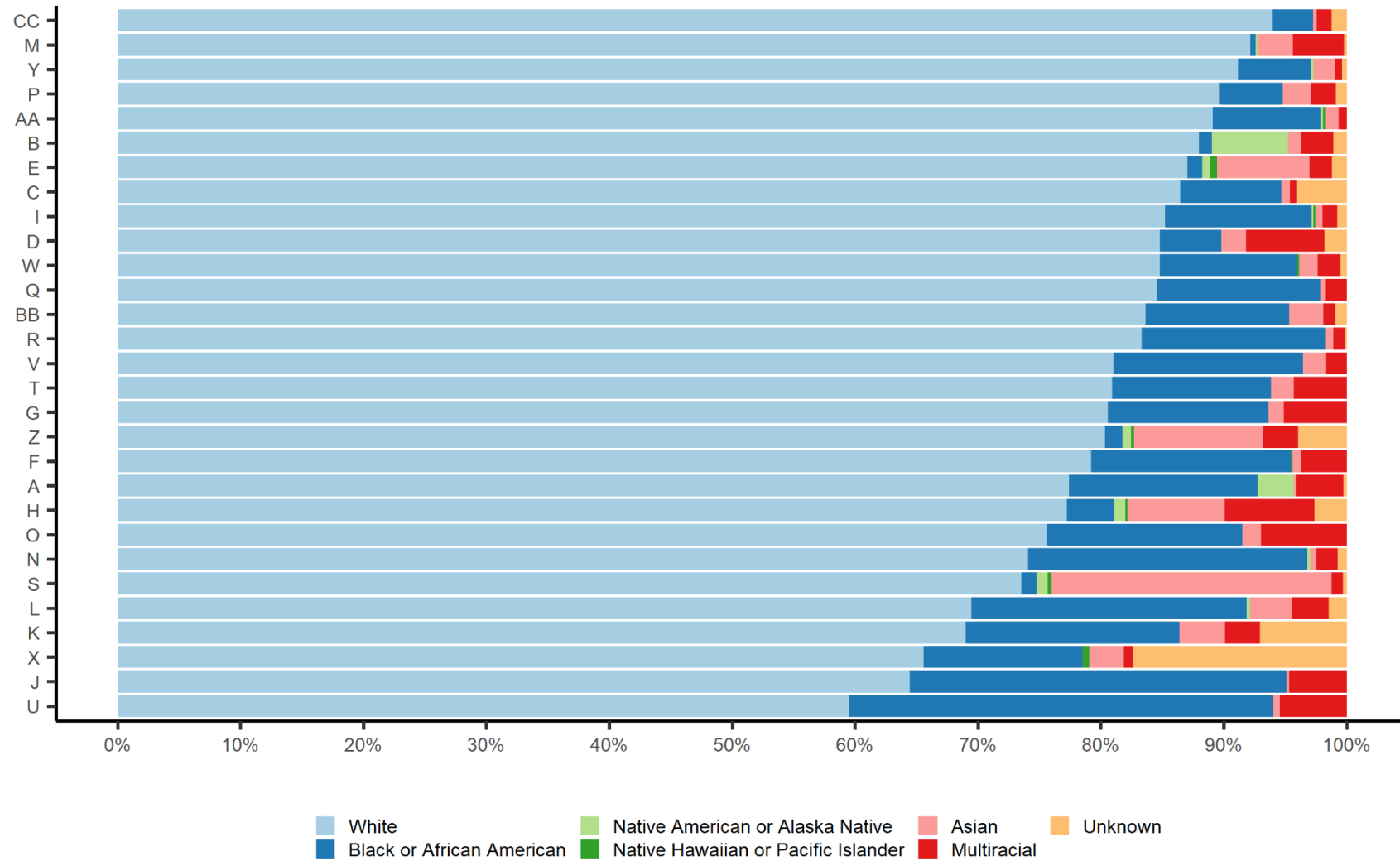


Figure 3. Distribution of Hispanic ethnicity for active clinical core participants by center

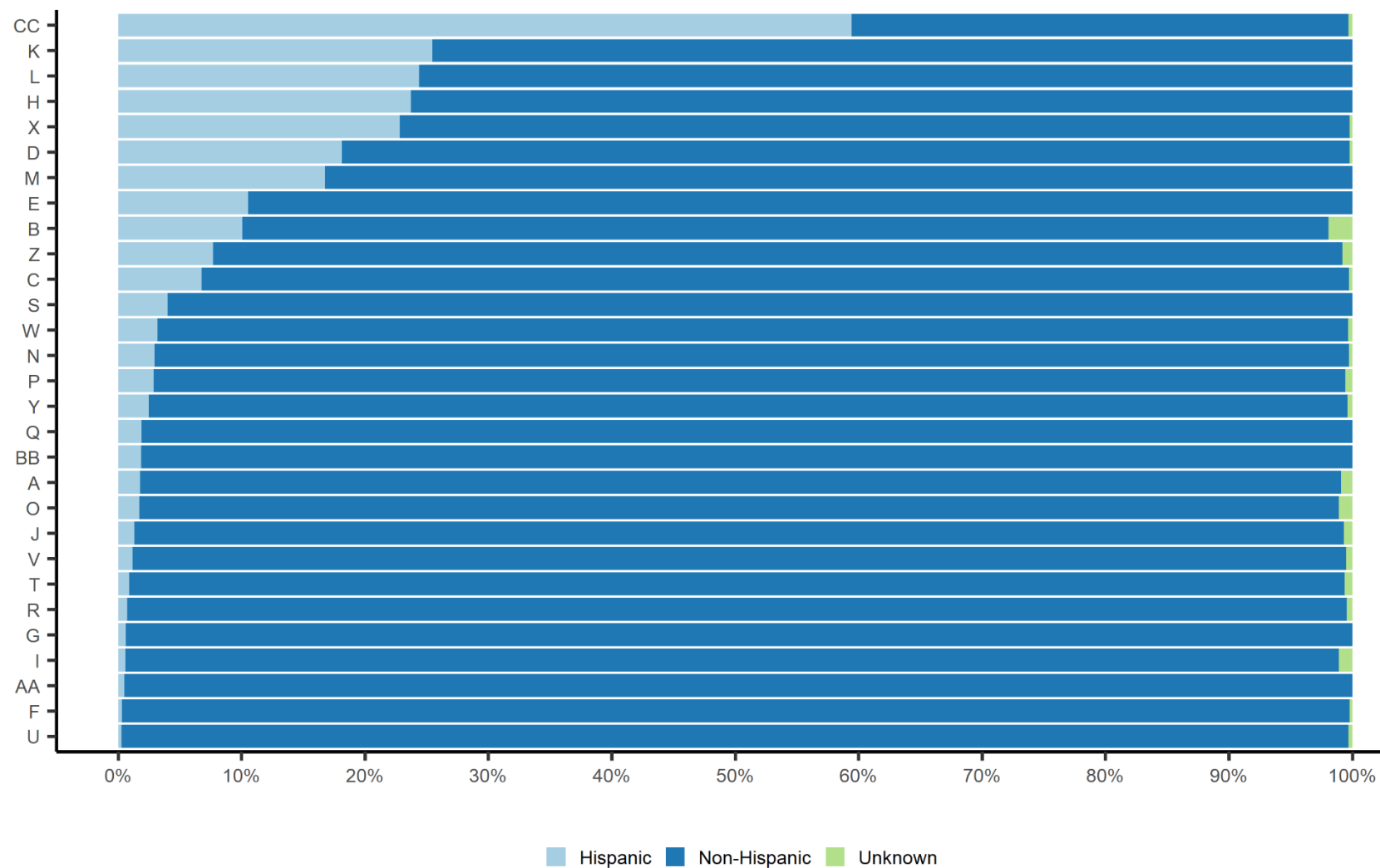


Figure 4. Distribution of enrollment status for all clinical core participants by center



* Deceased participants only include deaths occurring while the subject was still enrolled at the center.

Data Submission & Finalization

Figure 5. Median days from visit date to submission to NACC for visits completed between March 2019 - August 2019

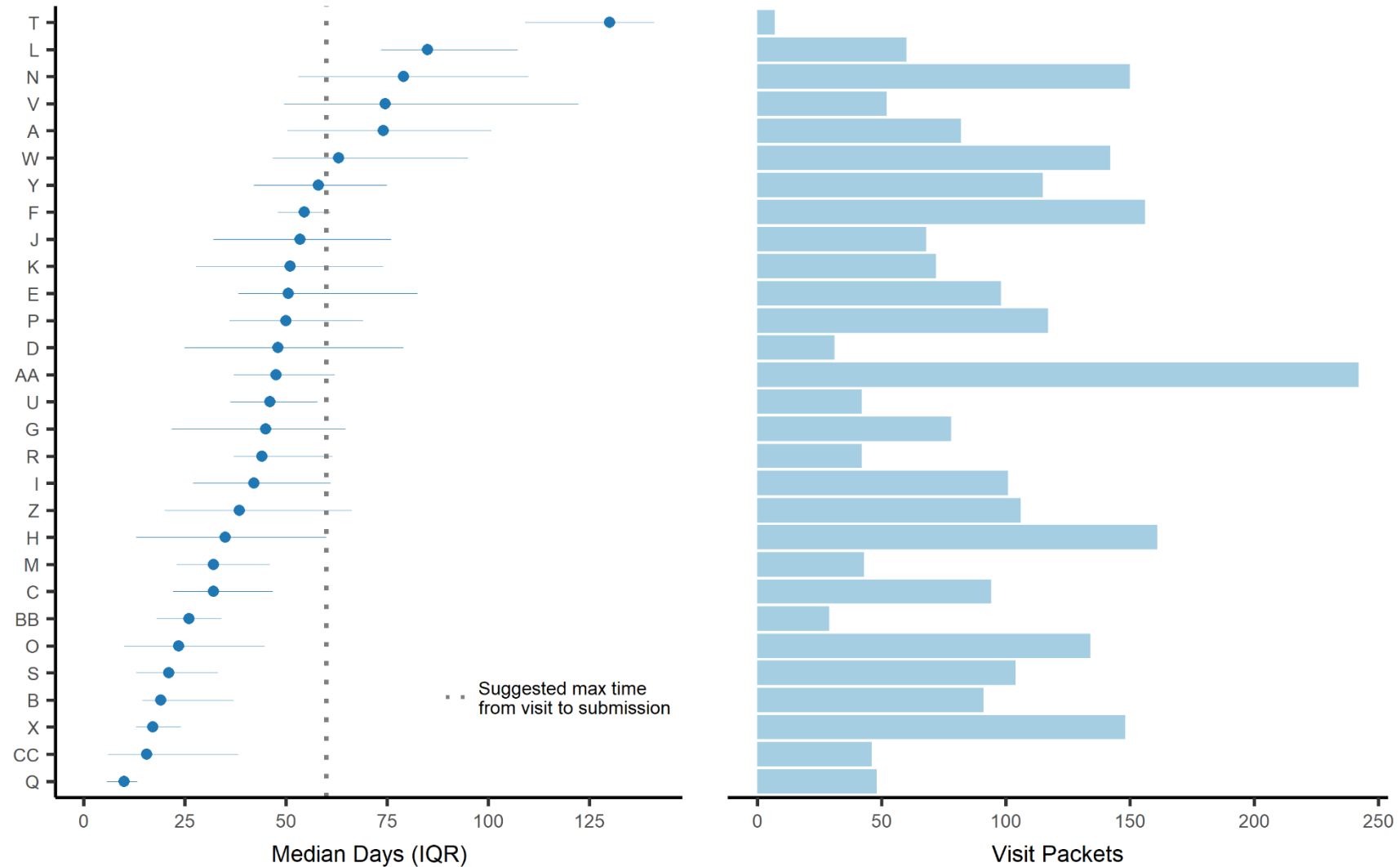


Figure 6. Median days from submission to finalization to NACC for visits completed between March 2019 - August 2019

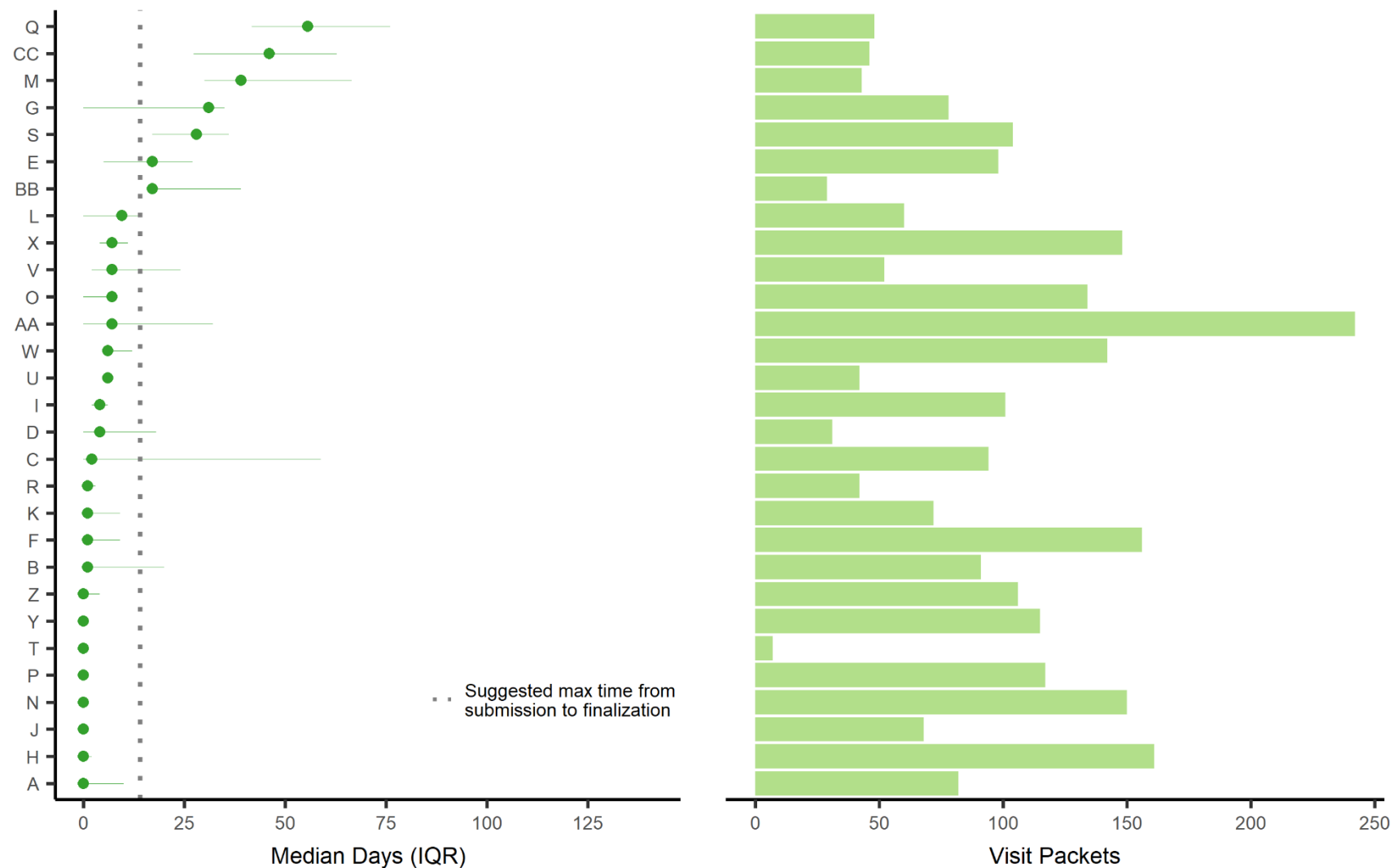
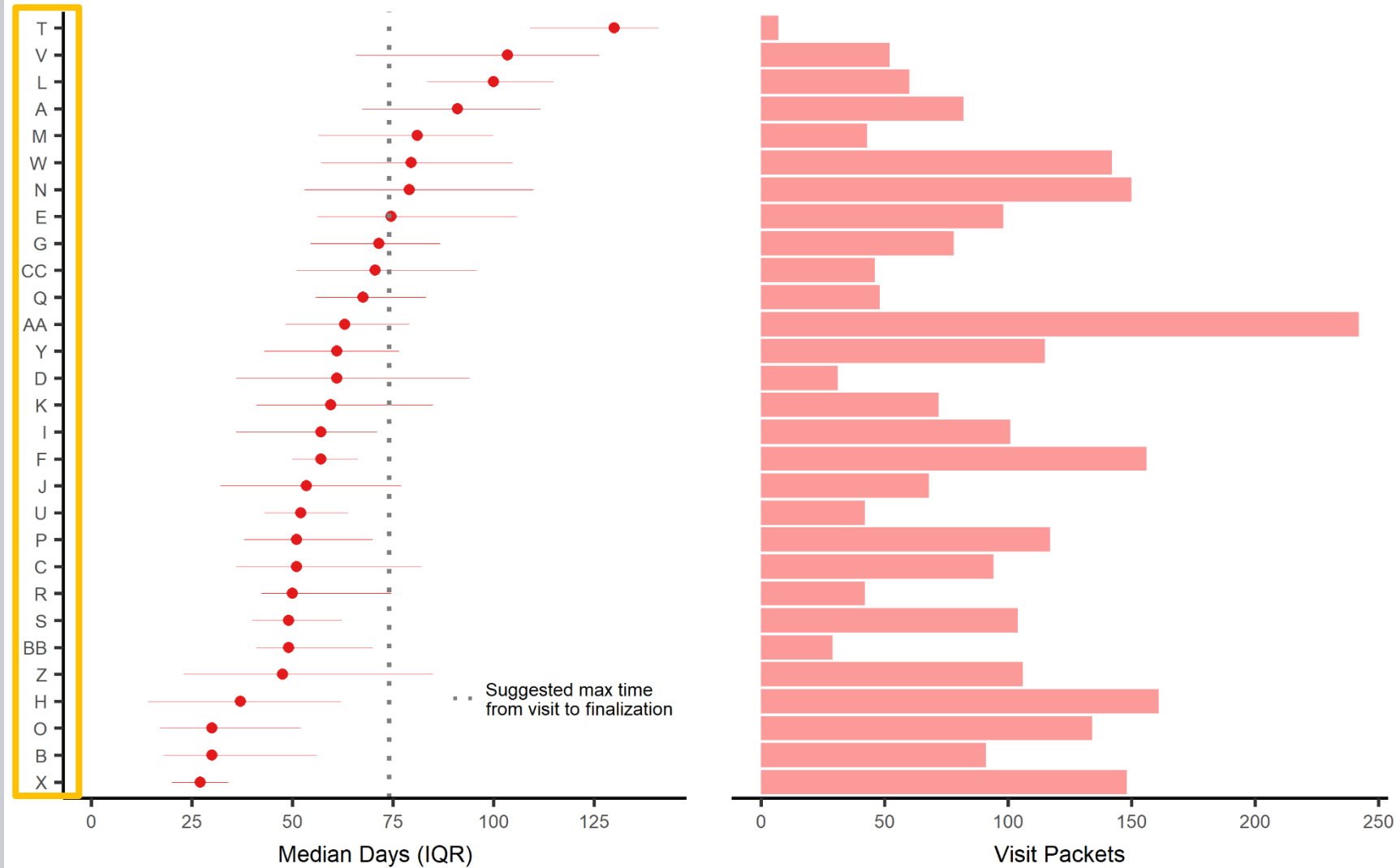


Figure 7. Median days from visit date to finalization to NACC for visits completed between March 2019 - August 2019



Request for Feedback: **Poll Everywhere**

To boost collaboration
→requires unblinding the graphs

Poll Everywhere username: **uwnacc240**