


Welcome to the NACC Session!

Topic	Speaker Names
Welcome	Walter Kukull, PhD (NACC)
UDSv4 Launch	Sarah Biber, PhD (NACC) Jess Welsch, MBA (NACC) Cindy Carlsson, PhD (Wisconsin ADRC) Sudeshna Das, PhD (Massachusetts ADRC)
NACC Data Platform	Sarah Biber, PhD (NACC)
Becoming More Multimodal and Expanding Interoperability	Kristen Russ, PhD (NCRAD) Gil Rabinovici, PhD (UCSF ADRC) Rhoda Au, PhD (Boston University ADRC) Bill Jagust, PhD (UC Berkeley ADRC)



The ADRC Biomarker Steering Committee & Workgroups: Establishing Guidelines and Standards for Fluid Biomarker Data Collection and Sharing for the ADRC Program

Kristen A. Russ, PhD

2024 ADRC Fall Meeting

ADRC Biomarker Steering Committee Workgroups

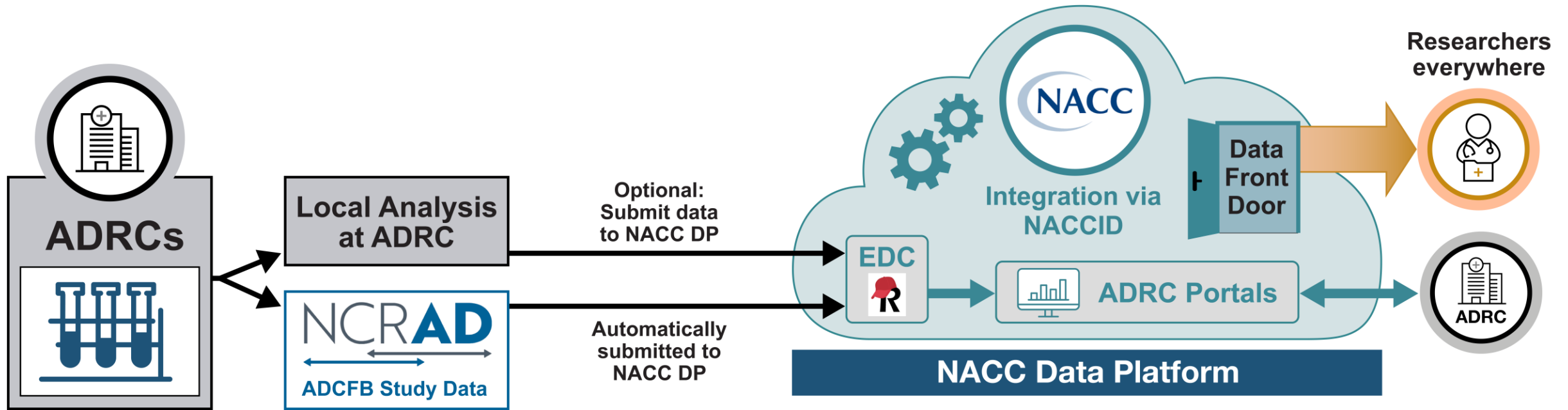
As use of biospecimens and biomarkers in ADRD grows, it is essential to share existing data

- The ADRC Biomarker Steering Committee developed two workgroups to help provide standard guidance materials and develop processes and standard information requirements through which biomarker data can be shared

Workgroups

- Biomarker Best Practices
 - Tasked with documenting and preparing a resource listing best practices for collection of biological samples for biomarker analyses
- Biomarker Data Variables and Data Quality
 - Tasked with determining key data fields necessary to accommodate biomarker data for sharing alongside clinical data at NACC for the ADRCs

New ADRC Fluid Biomarker Pipelines



Biological Sample Collection

Analysis

Submission: Metadata and fluid biomarker results

Data sharing*

ADRC Fluid Biomarker Best Practices Workgroup: Best practice guidelines

ADRC Fluid Biomarker Data Variable and Data Quality Workgroup: Defined data and quality variables

**Sites have 90 days with their ADCFB data before it is shared via DFD*

Protocol Level Metadata Variable Entry

Protocol level variable entry

- One time entry per study
- Encompasses metadata contained in study protocols
 - **Variable** = required
 - *Variable* = requested
- Will allow streamlined entry and attachment of variables to batch updated data associated with a specific protocol

Variables

- **Protocol ID**
- *Fasting status*
- **Vacutainer type**
- *Needle type*
- *Needle Gauge*
- **Temperature between collection and centrifugation**
- **Centrifugation speed**
- **Centrifugation duration**
- **Centrifugation temperature**
- *Storage tube type*
- *Storage volume*
- **Time to freeze**

Participant Level Biomarker Data & Metadata Variable Entry

Participant Level Data and Metadata will be entered as batch uploads

- Template for entry will be provided
 - Bold variable = required
 - Italic variable = requested
- If no deviations from the standard protocol, the protocol data will be automatically attached to each participant in the batch upload
- If a deviation occurs during collection, you will be asked to update details for that participant

Variables

- Participant ID
- Study ID
- Sample collection date
- *Sample collection time*
- Protocol deviation (Y/N)
- *Time participant last ate*
- Specimen type
- *Freeze/Thaw number*
- *Hemolysis (Y/N)*
- Assay platform
- Instrument model
- Assay catalog number
- Assay lot number
- Lab name
- Instrument ID
- Batch ID
- Analysis date
- Biomarker concentration

THANK YOU!

Biomarker Best Practices and Data Variables Workgroup Members

- Kristen Russ (Co-Lead)
- Fanny Elahi (Co-Lead)
- Tim Van Meter (Co-Lead)
- Tommy Karikari (Co-Lead, Committee)
- Lynn Bekris (Committee Chair)
- Donna Wilcock (Committee)
- Robert Rissman (Committee)
- Thomas Wingo (Committee)
- Ricardo Osorio
- Ted Wilson
- Matthew Perkins
- Jill Morris
- Kaitlin Casaletto
- Kelley Faber
- Nick Kanaan
- Minerva Carrasquillo
- Clairisa Stayton
- Jagan Pillai
- Jonathan Reader
- Tom Register
- James Galvin
- Kimberly Mullen
- Nora Gray
- Mingzaho Hu
- Hesam Jahanian
- Andy Liu
- James Lah
- Rachael Wilson
- Henrik Zetterberg
- Argentina Lario Lago
- Angus Nairn
- Nina Silverberg (NIA)
- Cerise Elliott (NIA)
- Grayson Donley (NIA)
- Aleksandra Dakic (NIA)
- Alessandra Rovescalli (NIA)
- Yuan Luo (NIA)
- Sarah Biber (NACC)
- Hannah Rosentreter (NACC)
- Kathryn Gauthreaux (NACC)
- Shilpa Allimatti (NACC)

We would love your feedback



<https://bit.ly/biomarker-workgroups-feedback-form>



Connect with me

Kristen Russ, PhD – NCRAD

Co-Leader of ADRC Biomarker Data Variables Workgroup

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Thank you!

