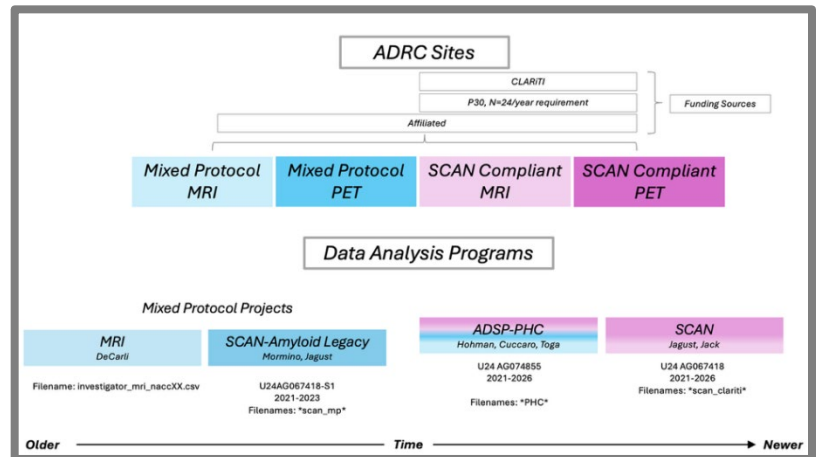


ADRC Imaging Ecosystem Overview:
Numerical Imaging Data Available on NACC
A Quick Start
Elizabeth Mormino, 6/26/2026

When requesting data from NACC, you will find that there are multiple sheets containing numeric data that has been extracted from different neuroimaging modalities collected on ADRC Clinical Core participants. These numerical sheets are generated from different programs that have analyzed ADRC imaging data. The schematic below summarizes these efforts and how they overlap with broad categories of imaging.

There are two basic categories of imaging in terms of standardization: 1) Mixed Protocol (light and dark blue) and 2) SCAN Compliant (pink and purple). Mixed protocol simply means that the acquisitions were site determined and largely reflects data before 2021. Because this data was acquired in a site-specific fashion, there is a lot of heterogeneity within each modality (ie. amyloid PET with FBB may be collected during different acquisition windows across sites; T1 MRI data will likely have different parameters across sites; etc). Because of these differences,

some investigators will choose not to use this data. SCAN Compliant simply means that the data were collected with a standardized acquisition protocol for each modality and largely reflects data after 2021 when the SCAN program was launched. The SCAN program requires that each type of imaging data is collected in a standardized way, eliminating the problem of inconsistent acquisitions across sites.



The four analysis programs have different goals, although some of the dataset they generate contain a great deal of overlap (the same image can be processed across multiple programs). There are two mixed protocol projects, one that focuses on MRI and the other on PET. These mixed protocol projects are complete and mostly contain older data before 2021. The Alzheimer's Disease Sequencing Project-Phenotype Harmonization Consortium (ADRC-PHC) focuses on post hoc harmonization of many different phenotypes (including MRI and PET) relevant for Alzheimer's disease to inform genetic analyses. The resulting ADSP-PHC multi-cohort data is shared with the genetics community via NIAGDS. NACC is just one of many cohorts that the ADSP-PHC has analyzed. As part of the ADSP-PHC effort, cohort specific numerical data is returned to each cohort. The PHC files distributed by NACC reflect that cohort "give back." Finally, the Standardized, Centralized AD/ADRD Neuroimaging (SCAN) program is an ADRC specific program that has aligned all ADRC sites with standardized MRI and PET acquisitions. The SCAN team oversees these acquisitions, QC's the data, and performs analyses on this data. Please note that all SCAN compliant CLARITI data is included in SCAN numerical sheets.

A manifest of all numeric data sheets from neuroimaging data that you can access from NACC is shown on the next page. There are also links to detailed method information for each sheet, to better understand the data you are working with.

Modality	FileName	Overview	Data Release	Data Dictionaries	Documentation
CLARiTI EDC data					
Enrollment information, visual reads on amyloid PET	investigator_clariti_edc_nacc* / commercial_clariti_edc_nacc*	CLARiTI EDC data (Contains only information on ADRC participants enrolled into CLARiTI)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/clariti/edc-data-dictionary.xlsx	N/A
MRI data					
All	investigator_scan_clariti_mriqc_nacc* / commercial_scan_clariti_mriqc_nacc*	SCAN MRI QC data from the SCAN MRI Core (Contains SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/SCAN-MRI-Imaging-RDD.pdf	https://files.alz.washington.edu/scan/SCAN_MRI_Analysis_Methods.pdf
All	investigator_scan_clariti_mrisbm_nacc* / commercial_scan_clariti_mrisbm_nacc*	SCAN MRI data processed through SCAN MRI Core (Contains SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/SCAN-MRI-Imaging-RDD.pdf	https://files.alz.washington.edu/scan/UCD_SCAN_Methods_V1.pdf
All	investigator_mri_nacc* / commercial_mri_nacc*	Legacy (Mixed Protocol) MRI data processed through DeCarli Lab. Contains data spanning multiple MRI sequences (Contains legacy/mixed protocol data)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/rdd-imaging-mri.pdf	https://files.alz.washington.edu/documentation/updated-mri-methods.pdf
DTI	*NACC_ADSP_PHC_DTI_* / NACC_CS_ADSP_PHC_DTI_*	All NACC DTI data processed through PHC (Contains legacy/mixed protocol data, as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	<i>Provided upon requesting the ADSP PHC data</i>	<i>Provided upon requesting the ADSP PHC data</i>
	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is <u>not</u> included with the SCAN & CLARiTI data and is available separately upon request.</i>				
FLAIR	*NACC_ADSP_PHC_FLAIR_* / NACC_CS_ADSP_PHC_FLAIR_*	All NACC FLAIR data processed through PHC (Contains legacy/mixed protocol data, as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	<i>Provided upon requesting the ADSP PHC data</i>	<i>Provided upon requesting the ADSP PHC data</i>
	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is <u>not</u> included with the SCAN & CLARiTI data and is available separately upon request.</i>				
T1	*NACC_ADSP_PHC_T1_Freesurfer_* / NACC_CS_ADSP_PHC_T1_Freesurfer_*	All NACC T1 MRI data processed through Freesurfer in PHC (Contains legacy/mixed protocol data,	Annual, in sync with release across other cohorts in the ADSP PHC study	<i>Provided upon requesting the ADSP PHC data</i>	<i>Provided upon requesting the ADSP PHC data</i>

	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is <u>not</u> included with the SCAN & CLARiTI data and is available separately upon request.</i>	as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)			
	NACC_ADSP_PHC_T1_MUSE_ / NACC_CS_ADSP_PHC_T1_MUSE_*	All NACC T1 MRI data processed through MUSE in PHC (Contains all legacy/mixed protocol data, as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	<i>Provided upon requesting the ADSP PHC data</i>	<i>Provided upon requesting the ADSP PHC data</i>
	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is <u>not</u> included with the SCAN & CLARiTI data and is available separately upon request.</i>				
PET data					
All	investigator_scan_clariti_petqc_nacc* / commercial_scan_clariti_petqc_nacc*	SCAN PET QC data from the SCAN PET Core (Contains SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/SCAN-PET-Imaging-RDD.pdf	N/A
Amyloid PET	investigator_scan_clariti_amyloidpetgaain_nacc* / commercial_scan_clariti_amyloidpetgaain_nacc*	SCAN Amyloid PET data processed through SCAN PET Core (Contains SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/SCAN-PET-Imaging-RDD.pdf	https://files.alz.washington.edu/scan/UCBerkeley_SCAN_Amyloid_MRIfree_Methods_20230818.pdf
	investigator_scan_clariti_amyloidpetnpdka_nacc* / commercial_scan_clariti_amyloidpetnpdka_nacc*	SCAN Amyloid PET data processed through SCAN PET Core (Contains SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/SCAN-PET-Imaging-RDD.pdf	https://files.alz.washington.edu/scan/UCBerkeley_SCAN_Amyloid_MRIfree_Methods_20230818.pdf
	investigator_scan_mp_amyloidpetgaain_nacc* / commercial_scan_mp_amyloidpetgaain_nacc*	Legacy (Mixed Protocol) PET data processed by the Stanford University lab (Director: Dr. Beth Mormino) spanning multiple PET sequences (Contains legacy/mixed protocol data)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/rdd-imaging-pet.pdf	https://files.alz.washington.edu/documentation/SCAN-MIXED-PROTOCOL-PET-DATA-DOCUMENTATION.pdf

	investigator_scan_mp_amyloidpetnpdka_nacc* / commercial_scan_mp_amyloidpetnpdka_nacc*	Legacy (Mixed Protocol) PET data processed by the Stanford University lab (Director: Dr. Beth Mormino) spanning multiple PET sequences (Contains legacy/mixed protocol data)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/rdd-imaging-pet.pdf	https://files.alz.washington.edu/documentation/SCAN-MIXED-PROTOCOL-PET-DATA-DOCUMENTATION.pdf
Tau PET	investigator_scan_clariti_taupetnpdka_nacc* / commercial_scan_clariti_taupetnpdka_nacc*	SCAN Tau PET data processed through SCAN PET Core (Contains SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	https://files.alz.washington.edu/documentation/SCAN-PET-Imaging-RDD.pdf	https://files.alz.washington.edu/scan/UCBerkeley_SCAN_Tau MRIfree Methods 2023 0818.pdf
	investigator_scan_mp_taupetnpdka_nacc* / commercial_scan_mp_taupetnpdka_nacc*	Legacy (Mixed Protocol) PET data processed by the Stanford University lab (Director: Dr. Beth Mormino) spanning multiple PET sequences (Contains legacy/mixed protocol data)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/rdd-imaging-pet.pdf	https://files.alz.washington.edu/documentation/SCAN-MIXED-PROTOCOL-PET-DATA-DOCUMENTATION.pdf
	NACC_ADSP_PHC_Amyloid_Detailed_ / NACC_CS_ADSP_PHC_Amyloid_Detailed_*	All NACC Amyloid PET data processed through PHC (Contains legacy/mixed protocol data, as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	Provided upon requesting the ADSP PHC data	Provided upon requesting the ADSP PHC data
	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is not included with the SCAN & CLARiTI data and is available separately upon request.</i>				
	NACC_ADSP_PHC_Amyloid_Simple_ / NACC_CS_ADSP_PHC_Amyloid_Simple_*	All NACC Amyloid PET data processed through PHC (Contains legacy/mixed protocol data, as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	Provided upon requesting the ADSP PHC data	Provided upon requesting the ADSP PHC data
	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is not included with the SCAN & CLARiTI data and is available separately upon request.</i>				
	NACC_ADSP_PHC_Tau_Detailed_ / NACC_CS_ADSP_PHC_Tau_Detailed_*	All NACC Tau PET data processed through PHC (Contains legacy/mixed protocol data, as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	Provided upon requesting the ADSP PHC data	Provided upon requesting the ADSP PHC data
	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is not included with the SCAN & CLARiTI data and is available separately upon request.</i>				

	NACC_ADSP_PHC_Tau_Simple_ / NACC_CS_ADSP_PHC_Tau_Simple_*	All NACC Tau PET data processed through PHC (Contains legacy/mixed protocol data, as well as SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Annual, in sync with release across other cohorts in the ADSP PHC study	<i>Provided upon requesting the ADSP PHC data</i>	<i>Provided upon requesting the ADSP PHC data</i>
	*Non-NACC data processed by the Alzheimer's Disease Sequencing Project Phenotype Harmonization Consortium (ADSP-PHC, U24-AG074855), established to harmonize the rich endophenotypic data across cohort studies to enable modern genomic analyses of ADRD. Please note that NACC was not involved in this harmonization project. <i>This data is <u>not</u> included with the SCAN & CLARiTI data and is available separately upon request.</i>				
FDG PET	investigator_scan_clariti_fdgpetnpdka_nacc* / commercial_scan_clariti_fdgpetnpdka_nacc*	SCAN FDG PET data processed through SCAN PET Core (Contains SCAN-compliant data on ADRC participants funded through any mechanism, including P30 funds, CLARiTI funded, or other sources)	Quarterly, in sync with UDS release	https://files.alz.washington.edu/documentation/SCAN-PET-Imaging-RDD.pdf	https://files.alz.washington.edu/scan/UCBerkeley_SCAN_FDG_Methods_20240529.pdf