

**Presented by: Chad Murchison – UAB Exploratory ADRC** 

EDC Workgroup Update – Data Core Workshop – October 18, 2023 2023 Fall ADRC Meeting





### Support and Resources to Reduce ADRC Staff Burden

### **REDCap Specific**

- A complete UDS V4 Project XML and CSV
- Individual instruments Zip files
- REDCap logic and QA/QC metadata rolled in
- Implemented as surveys

### For all Electronic Data Capture

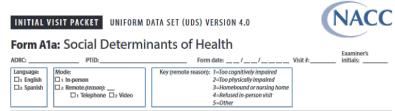
- Tabular data and metadata dictionaries— CSV
- Coding element guide- CSV
- QA/QC validation rules CSV and JSON
- UDS V3 to UDS V4 Variable Crosswalk



## A1a – A Working Example



### A1a Overview – History of Social Determinants



INSTRUCTIONS: The following questions are designed to assess your current and past life experiences. These questions will help us understand how certain experiences affect your health. You do not have to answer any question that makes you feel uncomfortable.

Section 1 — Transportation										
1.	Do you or someone in your household currently own a car?	O No I Yes S Prefer not to answer								
2.	Do you have consistent access to transportation?	□ 0 No □ 1 Yes □ 8 Prefer not to answer								
3.	In the past 30 days, how often were you <b>not</b> able to leave the house when you wanted to because of a problem with transportation?	1 Often 2 Sometimes 3 Never 8 Prefer not to answer								
4.	In the past 30 days, how often did you worry about whether or not you would be able to get somewhere because of a problem with transportation?	□ 1 Often □ 2 Sometimes □ 3 Never □ 8 Prefer not to answer								
5.	In the past 30 days, how often did it take you longer to get somewhere than it would have taken you If you had different transportation?	1 Often 2 Sometimes 3 Never 8 Prefer not to answer								
6.	In the past 30 days, how often has a lack of transportation kept you from medical appointments or from doing things needed for daily living?	1 Often 2 Sometimes 3 Never 8 Prefer not to answer								

### Section 2 — Financial security

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7.	Which of these income groups represents your household income for the past year? Include income from all sources such as wages, salaries, social security or retirement benefits, help from relatives, rent from property, and so forth. This information will be kept confidential and will not be shared in a way that identifies you with any other person, organization or government entity.	1 \$0 - \$14,999     2 \$15,000 - \$29,999     3 \$30,000 - \$74,999     4 \$75,000 and over     8 Prefer not to answer     9 Don't know
8.	How satisfied are you with your current personal financial condition?	1 Completely satisfied     2 Satisfied     3 Somewhat satisfied     4 Not very satisfied     s Not at all satisfied     B Prefer not to answer
9.	How difficult is it for you to meet monthly payments on your bills?	1 Not at all 2 Slightly 3 Moderately 4 Very 5 Extremely 8 Prefer not to answer
	DINNL ALZWEIMER'S COORDINATING CENTER [ naccmail Version 4.0, initial Visit Packet, [Form Title ], [ Month Year ]	<u>øuw.edu</u> i naccdata. Page 1 d

NACC Uniform Data Set (UDS) Version 4.0 - INITIAL VISIT PACKET

FORM A1a: SOCIAL DETERMINANTS OF HEALTH

INSTRUCTIONS: The following questions are designed to assess your current and past life experiences. These questions will help us understand how certain experiences affect your health. You do not have to answer any question that makes you feel uncomfortable

```
ection 1 -- Transportation
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6. In the past 30 days, how often has a lack of transportation kept you from medical appointments or from doing things needed for daily living? "nut provide value	Often OSometimes ONever OPrefer not to answer
5. In the past 30 days, how often did it take you longer to get somewhere than it would have taken you if you had different transportation? * must provide value	<ul> <li>○ Often</li> <li>⊙ Sometimes</li> <li>○ Never</li> <li>○ Prefer not to answer</li> </ul>
4. In the past 30 days, how often did you worry about whether or not you would be able to get somewhere because of a problem with transportation? * must provide value	Often O Sometimes O Never O Prefer not to answer
3. In the past 30 days, how often were you <b>not</b> able to leave the house when you wanted to because of a problem with transportation? * must provide value	<ul> <li>○ Often</li> <li>⊙ Sometimes</li> <li>○ Never</li> <li>○ Prefer not to answer</li> </ul>
<ol> <li>Do you have consistent access to transportation?</li> <li>must provide value</li> </ol>	B O No Ves O Prefer not to answer
<ol> <li>Do you or someone in your household currently own a car?</li> <li>must provide value</li> </ol>	○ No ○ Yes ○ Prefer not to answer

### Section 2 -- Financial security

Which of these income groups represents your household income the past year? Include income from all sources such as wages, laries, social security or retirement benefits, help from relatives, nt from property, and so forth. is information will be kept confidential and will not be shared in a way at identifies you with any other person, organization or government tip. mut provide value	E ()	<ul> <li>\$0 - \$14,999</li> <li>\$15,000 - \$29,999</li> <li>\$30,000 - \$74,999</li> <li>\$75,000 and over</li> <li>Prefer not to answer</li> <li>Don't know</li> </ul>
How satisfied are you with your current personal financial ndition? nust provide value	H D	Completely satisfied Satisfied Not very satisfied Not very satisfied Prefer not to answer

Initial visit specific form; 40 questions across 5 sections

### In REDCap

- IV event specific
- Commonly used ADRC layout and formatting
- Survey format with Tablet-friendly design
- Bundled with logic flow and error validation
- Deployment ready Zip file



### A1a – Data Dictionary for all EDC Implementations

Form	Packet	Question	Variable	MISSINGNESS: Is this required to be present if this form is submitted?	CONFORMITY What values ranges or characters are allowed for this field	LABELS What are the associated labels for field conformity
A1a	I	1. Do you or someone in your household currently own a car?	OWNSCAR	Always	U-1. 8	0, No   1, Yes   8 Prefer not to answer
A1a		2. Do you have consistent access to transportation?		Always	0-1.8	0, No   1, Yes   8 Prefer not to answer
A1a	I	3. In the past 30 days, how often were you not able to leave the house when you wanted to because of a problem with transportation?	TRANSPROB	Always	1-3, 8	1, Often   2, Sometimes   3, Never   8, Prefer not to answer
A1a		4. In the past 30 days, how often did you worry about whether or not you would be able to get somewhere because of a problem with transportation?	TRANSWORRY	Always	1-3, 8	1, Often   2, Sometimes   3, Never   8, Prefer not to answer
A1a		5. In the past 30 days, how often did it take you longer to get somewhere than it would have taken you if you had different transportation?	TRSPLONGER	Always	1-3, 8	1, Often   2, Sometimes   3, Never   8, Prefer not to answer
A1a		6. In the past 30 days, how often has a lack of transportation kept you from medical appointments or from doing things needed for daily living?	TRSPMED	Always	1-3, 8	1, Often   2, Sometimes   3, Never   8, Prefer not to answer
A1a	I	7. Which of these income groups represents your household income for the past year? Include income from all sources such as wages, salaries, social security or retirement benefits, help from relatives, rent from property, and so forth.	INCOMEYR	Always	1-4, 8-9	1, \$0 - \$14,999   2, \$15,000 - \$29,999   3, \$30,000 - \$74,999   4, \$75,000 and over   8, Prefer not to answer   9, Don't know
A1a	I	8. How satisfied are you with your current personal financial condition?	FINSATIS	Always	1-5, 8	1, Completely satisfied   2, Satisfied   3, Somewhat satisfied   4, Not very satisfied   5, Not at all satisfied   8, Prefer not to answer

# Tabular Data Dictionary in CSV format to promote easy and consistent deployment





## A1a – QA/QC Used by NACC's Upload System

	Form	Packet	Variable	Error_alert test name	Short test Description (English)	Full test Description (English)	Test Description Logic	Form(s) compared in test	Variable(s) compared in test	Error or alert?	Can be done in REDCap?	Type of test	
	A1a	Ι	OWNSCAR	OWNSCAR must be present		Q1. OWNSCAR (Owns a car?) cannot be blank	If OWNSCAR = blank	n/a	n/a	Error	Yes	Missingness	
	A1a	Ι	OWNSCAR		integer between 0 and 1	Q1. OWNSCAR (Owns a car?) must be an integer between 0 and 1	If OWNSCAR < 0 or OWNSCAR > 1	n/a	n/a	Error	Yes	Conformity	
	A1a	Ι	TRSPACCESS	TRSPACCESS must be present	ILKSPAULESS Cannot be blank	Q2. TRSPACCESS (Access to transportation?) cannot be blank	If TRSPACCESS = blank	n/a	n/a	Error	Yes	Missingness	
	A1a	Ι	TRSPACCESS	TRSPACCESS must conform	Integer hetween 1 and 3	Q2. TRSPACCESS (Access to transportation?) must be an integer between 1 and 3	If TRSPACCESS < 1 or TRSPACCESS > 3	n/a	n/a	Error	Yes	Conformity	
						IF Q7. BILLPAY (Difficulty with							1
/	A1a	Ι	BILLPAY	income across	IF BILLPAY = 4 or 5 (very or extremely), and Form A1 INCOME 3 or 4 (have excess income)	monthly payments?) = 4 or 5 (very or extremely), and Form A1 Q18. INCOME (household income) = 3 or 4 (have excess income)	If BILLPAY in (4,5) and INCOME in (3,4)	A1	BILLPAY, INCOME	Alert	No	Plausibility	
	A1a	I	BILLPAY	income across	IF BILLPAY = 1 (not at all), and Form A1 INCOME = 1 (insufficient to meet needs)	IF Q7. BILLPAY (Difficulty with monthly payments?) = 1 (not at all), and Form A1 Q18. INCOME (household income) = 1 (insufficient to meet needs)	If BILLPAY=1 and INCOME=1	A1	BILLPAY, INCOME	Alert	No	Plausibility	

Transparent QA/QC rule sets used by NACC during uploads for errors and alerts; available in both CSV and JSON formats



