

Using **REDCap** for Designing a Data Collection System in the Field

Research Electronic Data Capture

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What is **REDCap** ?

Research Electronic Data Capture

- A non-commercial use data collection and management system created by Vanderbilt University with funds from NIH
- Robust and secure repository of client-level data stored on HIPAA/FERPA-compliant servers for research projects or other applications
- Able to integrate and store respondent-level data across existing databases and any data collected in the field by home visiting program staff.
- Easily customizable and able to be configured in multiple ways to suit the needs of a given project

The REDCap Consortium

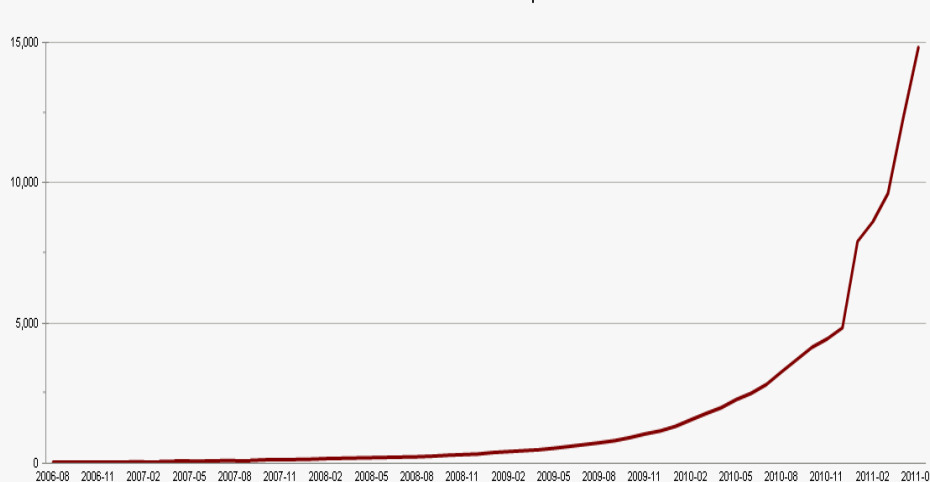
Research Electronic Data Capture

Map of REDCap Consortium Partners



- <http://www.project-redcap.org/>
- 288 active institutional partners from around the globe
- Typically, a centralized group at each institution houses REDCap to prevent infrastructure duplication
- Serves nearly 23,000 research projects and just under 33,000 end users
- Project production has grown exponentially in the past five years

ALL REDCap Projects (Consortium-wide)
Production and Development



How REDCap Has Been Used

Research Electronic Data Capture

- Prospective Research and Evaluation Studies
- Data Collection for Chart Reviews
- Multi-Site Data Collection (domestic and international)
- Basic Research Studies
- Behavioral Research Studies (Survey)
- CTSA-wide research studies
- (*Statin Treatment for Influenza Patients Trial*)
- CTSA-wide research on research studies (*Committee #1 IRB + Contracts*)
- Quality Improvement
- Research Operations Support (tracking databases)
- Education Support – Teaching Tool
- Project Management
- Lab Specimen Tracking
- Survey can be used as a surrogate web application
- State performance management systems for home visitation

Key Considerations for Selecting



Key Considerations for Selecting



- **COST:** Need a cost-efficient way to collect and manage research and evaluation data
- **CAPACITY/STAFFING:** Need a system that evaluation staff can use with limited knowledge of data systems
- **NEW DATA:** Need ability to collect new screening or clinical instruments for outcome measuring
- **EXISTING DATA:** Needed a way to interface with existing information management systems (if they exist)

Key Considerations for Selecting



- **REPORT GENERATION:** Need to export data or run ad-hoc reports that are easily configurable for multiple purposes
- **DATA SECURITY/CONFIDENTIALITY:** Need the data to be secure when collecting, storing or importing; need a HIPAA Compliant server to transfer Protected Health Information (PHI)

Key Considerations for Selecting

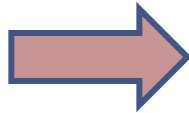


- **FIELD USE:** Need the ability to collect and transfer screening or program data directly into MIECHV database during a home visit if desired
- **FUNCTIONALITY:** Need to de-identify data as needed, restrict user access to some data, create schedules, be used as a case management system (if needed), track program data
- **VERSITILITY:** Need it to be easy to customize, configure, or change as new program data or screening instruments are introduced

Key Considerations When Selecting



- **TECHNOLOGY:** Need to be able to securely interface with technology used by research assessors in their office, in the participants' homes, or on the road if needed to reduce data entry labor costs



Internet access through Wi-Fi and 3G capabilities for in the field use

Interactive use during face to face interviews

Example of a Data System for an Evaluation Project



How We Use REDCap

Research Electronic Data Capture

- **Adolescent Family Life Generations Project**
 - Rigorous research and evaluation study testing the effectiveness of enhancing a home visiting program for pregnant teens with an educational support group for their parents, mental health services, and social media outreach
- **Kansas' Maternal Infant Early Childhood Home Visiting (MIECHV) Program**
 - Creating a Performance Management System to enable state to respond to federal reporting requirements and integrate evaluation and CQI
 - Working with four home visiting program models in each of three counties
 - Matching and integrating data from multiple agencies with different management information systems with the state's child welfare data
- **Nebraska's MIECHV Program**
 - Working with one home visiting program across three counties in one agency
 - Matching and integrating data from one agency's management information system with the state's child welfare data

How We Use REDCap

- **Generations Project Overview**
- Testing the effectiveness of **enhancing** a home visiting program for pregnant teens with an educational support group for their parents, mental health services, and social media outreach.
- Kansas Children's Service League -Healthy Families program in Wyandotte and Shawnee Co, KS
- KU Institute for Educational Research and Public Service & School of Social Welfare

Office of
Adolescent
Pregnancy
Programs



Generations Project Overview

TREATMENT GROUP

Services
for Teen

**KCSL
Healthy
Families
Home
Visiting**



Services
for Family

**In-home
mental
health
assessment
& services
as needed**



Services for
Grandparent

**Grandparent
Education &
Support
Group**



**Social
Media &
Support
Networking**



CONTROL GROUP

**KCSL
Healthy
Families
Home
Visiting**



**Referral to
Community
Mental
Health**



Generations Project Overview

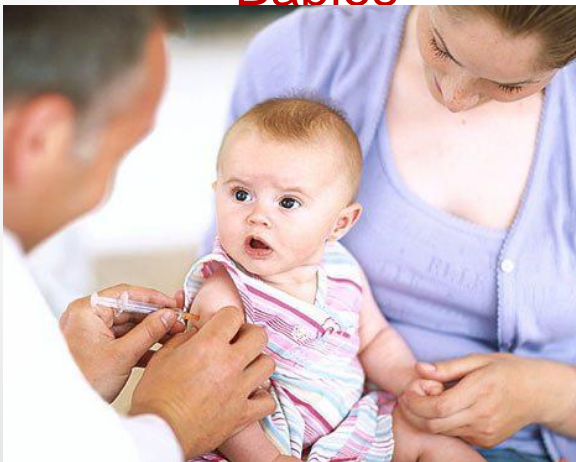
Reduced Repeat Teen Pregnancies



Educational Attainment for Teens



Immunizations for Babies



Social Support, Mental & Physical Health, Family Functioning

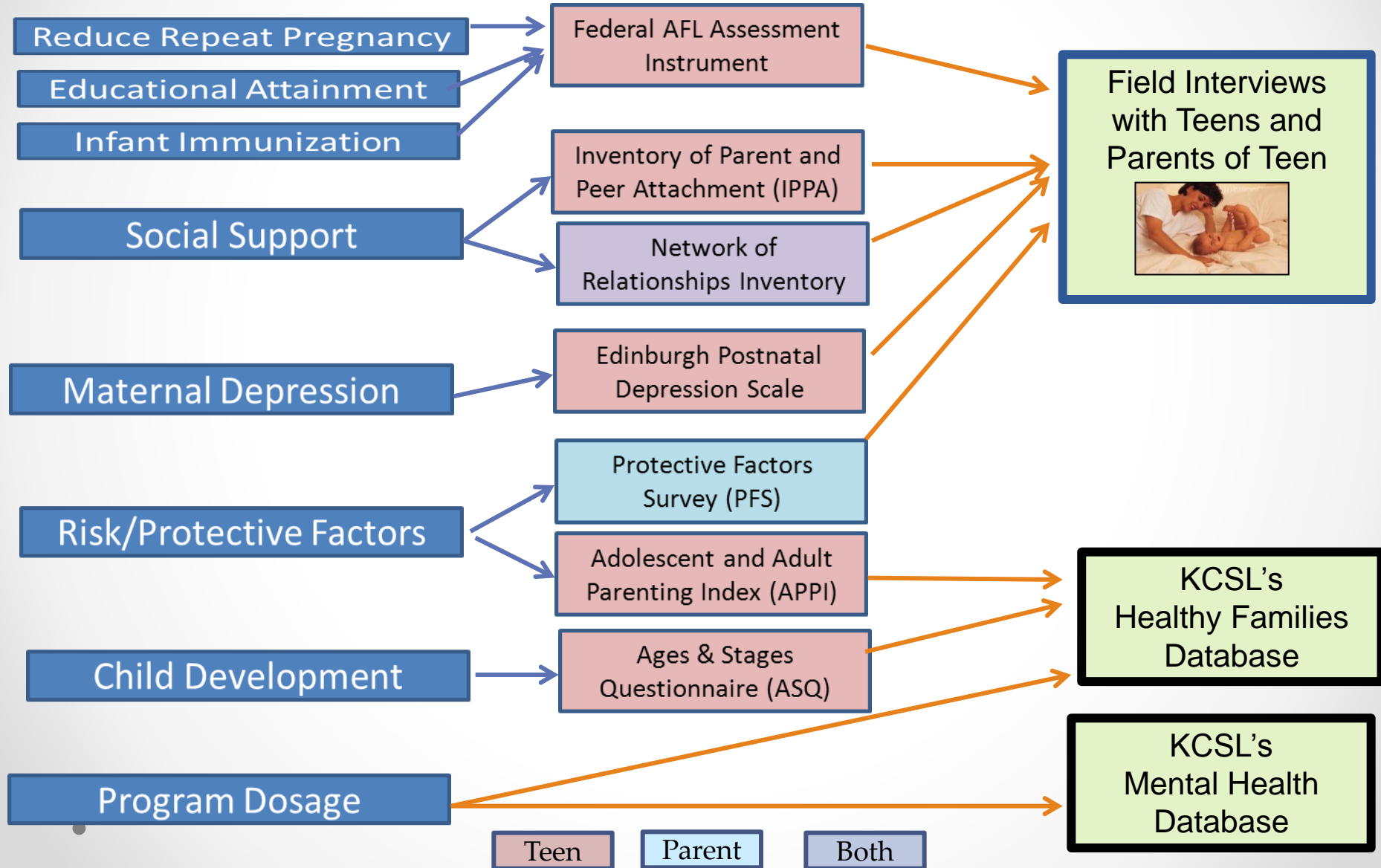


Generations Project Data Map

What is the construct or outcome we want to measure?

What is the instrument we will use to measure the construct?

Where will we collect this data?



Collecting and Organizing Information

What are the origins of our data?

How do we get the data from its sources to our system?

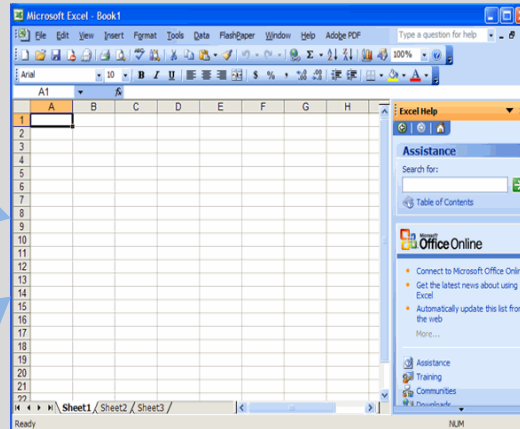
What do we want our data system to look like?

Field Interviews
of the Families
Participating



KCSL's
Home Visiting
Database

KCSL's
Mental Health
Database



Survey Data Table

Contact Data Table


Program Assessment Data
Table

Outcomes Data Table

Dosage Data Table



In Action

ku.edu | https://redcap.ittc.ku.edu/index.php? 

REDCap

REDCap™

Log In

Please log in with your user name and password. If you are having trouble logging in, please contact [William Kennedy](#).

User name:

Password:

Web-based application for login

Welcome to REDCap!

REDCap is a secure, web-based application for building and managing online surveys and databases. Using REDCap's stream-lined process for rapidly developing projects, you may create and design projects using 1) the online method from your web browser using the Online Designer; and/or 2) the offline method by constructing a 'data dictionary' template file in Microsoft Excel, which can be later uploaded into REDCap. Both surveys and databases (or a mixture of the two) can be built using these methods.





















REDCap provides automated export procedures for seamless data downloads to Excel and common statistical packages (SPSS, SAS, Stata, R), as well as a built-in project calendar, a scheduling module, ad hoc reporting tools, and advanced

List of current projects

REDCap™

[Home](#) [My Projects](#) [Create New Project](#) [Training Resources](#) [Help & FAQ](#) [Send-It](#)

Listed below are the REDCap projects to which you currently have access. Click the project title to open the project. Newly created projects begin in **Development status** as you begin to build and design them. When you are ready to begin entering real data in the project, you may move it to **Production status** to designate the project as officially collecting data. When you are finished collecting data or if you wish to stop collection, the project may be set to **Inactive status**, although it may be brought back to Production status at any time when you are ready to begin collecting data again. Also listed is the project type, which designates if the project contains **surveys**, **data entry forms**, or **both**.

My Projects	Records	Fields	Type	Status
Generations Project Data Dictionary Copy	9	375		
Generations Project Data Dictionary Copy 2-23-2011	4	873		
Webinar Test Database	4	23		
Case Management Mock Up	6	103		
File Upload Test	9	4		
Generations Project FINAL	7	872		
First Single Survey Example	7	8		
Nebraska ACA HV Mock-up	1	362		
Test Database	0	8		
Nebraska ACA HV Flat File Mock-up	19	1706		

The projects listed below are public and are accessible by anyone. No authentication (i.e. username/password) is required to access them directly.

Public Projects
Example Survey
REDCap Demo Database

Navigation bar on left shows the instruments and tools custom built for specific projects →

Database construction tools are found under the project setup tab

The screenshot displays the REDCap interface. On the left is a navigation bar with the following sections:

- Logged in as jbarton | Log out**
- My Projects**
- Project Home**
- Project Setup** (selected)
- Project status: Development**
- Data Collection**
 - Scheduling**: Generate schedules for the calendar using your defined events
 - Data Collection Instruments**
 - AFL Baseline Questionnaire
 - Afl Followup Questionnaire
 - Protective Factors Survey
 - Edinburgh Postnatal Depression Scale (EPDS)
 - Inventory of Parent and Peer Attachment (IPPA)
 - Parent Demographics
 - NRI - Parent
 - Immunization and Knowledge - Parent
 - Behavior Checklist - Parent
 - Social Media Usage - Parent
- Applications**
 - Calendar
 - Data Export Tool
 - Data Import Tool
 - Data Comparison Tool
 - Logging
 - File Repository
 - User Rights
 - Graphical Data View & Stats
 - Report Builder
- Help & Information**
 - Help & FAQ
 - Video Tutorials
 - Suggest a New Feature

The main content area is titled "Generations Project Data Dictionary Copy" and shows the project status as "Development". It contains several sections with "I'm done!" buttons and "Go to" links:

- Modify project settings or make customizations**: "Not started" status. "Go to" links: [Modify project settings](#) or [Make customizations](#).
- Design your data collection instruments**: "In progress" status. "Go to" links: [Online Designer](#) or [Upload Data Dictionary](#). Below this is a link to [Check For Identifiers](#) with the text "Have you checked the Check For Identifiers page to ensure all identifier fields have been tagged?".
- Define your events and designate instruments for them**: "In progress" status. "Go to" links: [Define My Events](#) or [Designate Instruments for My Events](#).
- User Rights and Permissions**: "Optional" status. "Go to" links: [User Rights](#) or [Data Access Groups](#).
- Move your project to production status**: (partially visible)

Creating a Form in



Webinar Test Database | REDCap - Mozilla Firefox

File Edit View History Bookmarks Tools Help

ku.edu https://redcap.ittc.ku.edu/redcap_v4.0.0/data_entry.php?pid=63&id=12345&event_id=232&page=demographic_data

Webinar Test Database | REDCap

REDCap
Logged in as jbarton | Log out

My Projects
Project Home
Project Setup

Data Collection

Scheduling
- Generate schedules for the calendar using your defined events

Data Entry

Case ID 12345
Event: **baseline (Arm 1: Field Assessor Data)**
Data Collection Instruments:
● Demographic Data
● Edinburgh Postnatal Depression Scale (EPDS)

Applications

Calendar
Data Export Tool
Data Import Tool
Data Comparison Tool
Logging
File Repository
Graphical Data View & Stats
Report Builder

Reports

1) Depression Scale Score

Help & Information

General Help
Video Tutorials

If you are experiencing problems, please contact your [project administrator](#).

Demographic Data Download form as PDF PDF with saved data

Editing existing Case ID 12345

Event Name: **baseline (Arm 1: Field Assessor Data)**

Case ID 12345
(To rename this record for the current arm ONLY, modify the value immediately below.)

Case ID 12345

First Name Jared

Last Name Barton

Date of Birth 1963-03-13 Today

Race
☒ White
☐ Black
☐ Hispanic
☐ Native American
☐ Asian
☐ Other
☐ Any Race

Ethnicity Hispanic

Income Level
☐ Under \$5,000
☐ \$5,000-\$9,999
☒ \$10,000-\$14,999
☐ \$15,000-\$19,999
☐ \$20,000-\$24,999
☐ \$25,000-\$29,999
☐ \$30,000-\$39,999
☐ \$40,000-\$49,999
☐ \$50,000 and Over
☐ Unknown reset value

Education Level
☐ 1st Grade
☐ 2nd Grade
☐ 3rd Grade
☐ 4th Grade
☐ 5th Grade
☐ 6th Grade
☒ 7th Grade
☐ 8th Grade
☐ 9th Grade
☐ 10th Grade
☐ 11th Grade
☐ 12th Grade
☐ High School Diploma

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The University of Kansas Lawrence, Kansas 66045

Done

Key Point: You can build and customize the system to include any fields or data you will be collecting or that already exist in an agency database.

Pad

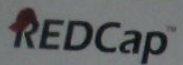
10:31 AM

100%

Generations Project Data Dictionary Copy 2-23-2011 | REDCap

redcap.itc.ku.edu/redcap_v4.0.0/data_entry.php?pid=64&id=2345...

Google



Logged in as Jbarlow | Log out

- My Projects
- Project Home
- Project Setup

Data Collection



Scheduling

Generate schedules for the calendar using your defined events



Data Entry

KCSL Case ID 23456

Event: baseline (Arm 1: Field Assessor Data)

Data Collection Instruments:

- AFL Baseline Questionnaire
- Protective Factors Survey
- Edinburgh Postnatal Depression Scale (EPDS)
- Inventory of Parent and Peer Attachment (IPPA)
- Parent Demographics
- NRI - Parent
- Immunization and Knowledge - Parent
- Behavior Checklist - Parent
- Social Media Usage - Parent

Applications



Calendar

The REDCap Project

The University of Kansas

Event Name: baseline (Arm 1: Field Assessor Data)

23456

As you are pregnant or have recently had baby, we would like to know how you are feeling. Please check the answer that comes closest to how you have felt **IN THE PAST 7 DAYS**, not just how you feel today.

1. In the past seven days, I have been able to laugh and see the funny side of things.

- ☐ As much as I always could
- ☒ Not quite so much now
- ☐ Definitely not so much now
- ☐ Not at all

reset value

2. In the past seven days, I have looked forward with enjoyment to things.

- ☐ As much as I ever did
- ☐ Rather less than I used to
- ☐ Definitely less than I used to
- ☒ Hardly at all

reset value

3. In the past seven days, I have blamed myself unnecessarily when things went wrong.

- ☐ Yes, most of the time
- ☐ Yes, some of the time
- ☐ Not very often
- ☐ No, never

reset value

4. In the past seven days, I have been worried for no good reason.

- ☐ No, not at all
- ☐ Hardly ever
- ☐ Yes, sometimes
- ☐ Yes, very often

reset value

I felt scared or panicky

- ☐ Yes, quite a lot
- ☐ Yes, sometimes
- ☐ No, not much
- ☐ No, not at all

reset value

REDCap Software - Version 4.0.0 - © 2011 Vanderbilt University

Screening Instrument

Edinburgh Postnatal Depression Scale (EPDS)

Download form as PDF PDF with saved data

Editing existing Case ID 12345

Event Name: baseline (Arm 1: Field Assessor Data)

Case ID12345

As you are pregnant or have recently had baby, we would like to know how you are feeling answer that comes closest to how you have felt **IN THE PAST 7 DAYS, not just how you feel**

1. In the past seven days, I have been able to laugh and see the funny side of things.

☒ As much as I always could
☐ Not quite so much now
☐ Definitely not so much now
☐ Not at all

2. In the past seven days, I have looked forward with enjoyment to things.

☐ As much as I ever did
☒ Rather less than I used to
☐ Definitely less than I used to
☐ Hardly at all

3. In the past seven days, I have blamed myself unnecessarily when things went wrong.

☒ Yes, most of the time
☐ Yes, some of the time
☐ Not very often
☐ No, never

4. In the past seven days, I have been anxious or worried for no good reason.

☐ No, not at all
☒ Hardly ever
☐ Yes, sometimes
☐ Yes, very often

5. In the past seven days, I have felt scared or panicky for no good reason.

☐ Yes, quite a lot
☒ Yes, sometimes
☐ No, not much
☐ No, not at all

5. In the past seven days, I have felt scared or panicky for no good reason.

☐ Yes, quite a lot
☒ Yes, sometimes
☐ No, not much
☐ No, not at all

6. In the past seven days, things have been getting on top of me.

☒ Yes, most of the time I haven't been able to cope at all
☐ Yes, sometimes I haven't been coping as well as usual
☐ No, most of the time I have coped quite well
☐ No, I have been coping as well as ever

7. In the past seven days, I have been so unhappy that I have had difficulty sleeping.

☒ Yes, most of the time
☐ Yes, quite often
☐ Not very often
☐ No, not at all

8. In the past seven days, I have felt sad or miserable.

☐ Yes, most of the time
☒ Yes, quite often
☐ Not very often
☐ No, not at all

9. In the past seven days, I have been so unhappy that I have been crying.

☐ Yes, most of the time
☒ Yes, quite often
☐ Only occasionally
☐ No, never

10. In the past seven days, the thought of harming myself has occurred to me.

☐ Yes, most of the time
☐ Yes, quite often
☐ Only occasionally
☒ No, never

SCORE

(If a respondent's score is 10 or greater, please make appropriate contact with service staff and Healthy Families' Supervisor. Act according to Distress Response Protocol.)

17View equationDisclaimer

Form Status

Complete?

Complete

Save Record

Save and Continue

-- Cancel --

Key Point: Any instrument or screening tool can be added to the system and scored automatically. Can easily modify system in future to add other instruments if needed.

iPad

10:31 AM

100%

Generations Project Data Dictionary Copy 2-23-2011 | REDCap

redcap.itrc.ku.edu/redcap_v4.0.0/data_entry.php?pid=64&id=2345...

Google

REDCap™

Logged in as jbarton | Log out

My Projects

Project Home

Project Setup

Data Collection

Scheduling

Generate schedules for the calendar using your default events

Data Entry

KCSI Case ID 21456

Event: baseline (Arm 1) Field Assessor Data

Data Collection Instruments:

- AFL Baseline Questionnaire
- Protective Factors Survey
- **Edinburgh Postnatal Depression Scale (EPDS)**
- Inventory of Parent and Peer Attachment (IPPA)
- Parent Demographics
- NRI - Parent
- Immunization and Knowledge - Parent
- Behavior Checklist - Parent
- Social Media Usage - Parent

Applications

Calendar

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The University of Kansas Lawrence, Kansas 66045

8. In the past seven days, I have felt sad or miserable.

- ☒ Yes, quite often
☐ Not very often
☐ No, not at all

reset value

9. In the past seven days, I have been so unhappy that I have been crying.

- ☒ Yes, most of the time
☐ Yes, quite often
☐ Only occasionally
☐ No, never

reset value

10. In the past seven days, the thought of harming myself has occurred to me.

- ☐ Yes, most of the time
☒ Yes, quite often
☐ Only occasionally
☐ No, never

reset value

Participant's response to question 10 indicates that a follow up contact should be made. Act according to Distress Respondent Protocol.

SCORE

(If a respondent's score is 10 or greater, please make appropriate contact with service staff and Healthy Families' Supervisor. Act according to Distress Respondent Protocol.)

Form Status

Complete?

OK

18

View equation Disclaimer

Incomplete

Save Record

Save and Continue

Save and go to Next Form

Cancel

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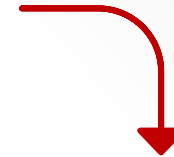
Preloaded Instruments

- **Currently 113 Preloaded Instruments**
 - Agitated Behavior Scale
 - Behavior Risk Factor Surveillance System (BRFSS)
 - Cystic Fibrosis Questionnaire (CFQ-R)
 - Center for Epidemiologic Studies Depression Scale (CES-D)
 - Eating Disorders Examination Scale (EDE-Q)
 - Koos Knee Survey
 - Marx Activity Scale
 - Pelvic Floor Distress Inventory
 - Pittsburgh Sleep Quality Index (PSQI)
 - Puberty Development Scale
 - Short Test of Musical Preferences (STOMP Revised)

Importing Existing Data Into



Data entered by home visitors
into case management
system exported to CSV
format data file



	A	B	C	D	E	F	G	H	I	J	K	L
1	case_id	first_name	last_name	dtiindexparentdob								
2	98765	Lady	Gaga	3/1/1980								
3	25814	Weird Al	Yankovic	8/25/1964								
4												
5												
6												
7												
8												

Key Point: The REDCap system is built using the existing variable names of data already captured in FamilyWise.

Data Import Tool

This module may be used for importing data into this project from a CSV (comma delimited) file. Below are the steps you will need to follow in order to import your data successfully into this project.

NOTICE:

This project is currently a PROTOTYPE and is in development. **Real data should NOT be entered into the project.** Any data entered thus far will be deleted when the project is pushed into production mode.

Instructions:


- 1.) Click the link below to download your data import template as a CSV (comma delimited) file. Save it locally to your computer and then open it to begin filling it with the data you wish to import.


 [Download your Data Import Template](#) (with records in rows)

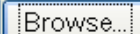
OR


 [Download your Data Import Template](#) (with records in columns)

- 2.) In each column of the Data Import Template file that you downloaded, place the data for each record that you wish to import. Once all your data has been added, save the file.
 - Be sure not to change the Variables/Field Names in the file or an error may occur.
 - Also, for all of the 'dropdown' or 'radio' fields in the project, you must make sure that the numerical value (rather than the text value) is entered in those cells, or else it cannot be processed.
 - Any empty rows or columns in the file can be safely deleted before importing the file. Doing this reduces the upload processing time, especially for large projects.
- 3.) Click the 'Browse' or 'Choose File' button below to select the file on your computer, and upload it by clicking the 'Upload File' button.
- 4.) Once your file has been uploaded, the data will NOT be immediately imported but will be displayed and checked for errors to ensure that all the data is in correct format before it is finally imported into the project.

Record format: The file to be uploaded has its records stored as separate Rows 

 Upload your CSV file:

G:\Institute\System Evaluation and Research Group\AFL 



✔ **Your document was uploaded successfully and is ready for review.**

You are now required to view the Data Display Table below to approve all the data before it is officially imported into the project. Follow the instructions below.

Instructions for Data Review

The data you uploaded from the file is displayed in the Data Display Table below. Please inspect it carefully to ensure that it is all correct. After reviewing it, **click the 'Import Data' button at the bottom of this page** to import this data into the project.

KEY for Data Display Table below

Black text = New Data

Gray text = Existing data (will not change)

(Red text) = Data that will be overwritten

Red box = error

Orange box = warning

DATA DISPLAY TABLE

case_id	Event Name	first_name	last_name	dtimeindexparentdob
98765 (new record)	baseline	Lady	Gaga	1980-03-01
25814 (new record)	baseline	Weird Al	Yankovic	1964-08-25

Do you wish to import the new data (displayed above) into the project?
(Click the button below to import the data.)

Import Data

Key Point: Agency or data management staff can review data prior to being integrated into the REDCap MIECHV database for errors.

Webinar Test Database


Demographic Data

 Download form as PDF

 PDF with saved data

 Editing existing Case ID **98765**

Event Name: **baseline (Arm 1: Field Assessor Data)**

Case ID	98765
(To rename this record for the current arm ONLY, modify the value immediately below.)	
Case ID	<input type="text" value="98765"/>
First Name	<input type="text" value="Lady"/>
Last Name	<input type="text" value="Gaga"/>
Date of Birth	<input type="text" value="1980-03-01"/>  <input type="button" value="Today"/>
	<input type="checkbox"/> White


Demographic Data

 Download form as PDF

 PDF with saved data

 Editing existing Case ID **25814**

Event Name: **baseline (Arm 1: Field Assessor Data)**

Case ID	25814
(To rename this record for the current arm ONLY, modify the value immediately below.)	
Case ID	<input type="text" value="25814"/>
First Name	<input type="text" value="Weird Al"/>
Last Name	<input type="text" value="Yankovic"/>
Date of Birth	<input type="text" value="1964-08-25"/>  <input type="button" value="Today"/>
	<input type="checkbox"/> White

Reporting in



My Projects
 Project Home
 Project Setup

Data Collection

Scheduling
 - Generate schedules for the calendar using your defined events

Data Entry
 - Add or modify a project record

Applications

Calendar
 Data Export Tool
 Data Import Tool
 Data Comparison Tool
 Logging
 File Repository
 Graphical Data View & Stats
 Report Builder

Reports

1) Depression Scale Score

Help & Information

General Help
 Video Tutorials

If you are experiencing problems, please contact your [project administrator](#).

Report Builder

You may use this page to build and save custom reports, which will query the project in real time and display the resulting data in a table format. Once created, you may view your reports at any time as well as modify or even delete them. Your saved reports be displayed on the right-hand menu as links, which can be clicked to display the report.

Edit Existing Report

You may edit an existing report by changing any of the fields below or by selecting new fields/variables that you want to include in the report. You may add as many new fields to your report as you wish. When you have completed making the changes, click the Save Changes button at the bottom.

Name of Report:	<input type="text" value="Depression Scale Score"/>	
	Field Name / Label	Limiters (optional) Operator / Value
Field 1	<input type="text" value="first_name (First Name)"/>	<input type="text" value=""/>
Field 2	<input type="text" value="last_name (Last Name)"/>	<input type="text" value=""/>
Field 3	<input "="" type="text" value="base_epds_score (<input type="text" value=""/>
Field 4	<input type="text" value=""/>	<input type="text" value=""/>
Order the Results (optional)		
First by	<input type="text" value="last_name (Last Name)"/>	Ascending order <input type="text" value=""/>
Then by	<input type="text" value=""/>	Ascending order <input type="text" value=""/>
<input type="button" value="Save Changes"/> <input type="button" value="Cancel"/>		

Download report as: Microsoft Excel (CSV) XML

Print page Edit this report

Number of results returned: 2

Total number of records queried: 2 ('records' = total available data across designated Events)

Depression Scale Score

First Name (first_name)	Last Name (last_name)	SCORE <i>(If a respondent's score is 10 or greater, please make appropriate contact with service staff and Healthy Respondent Protocol.)</i> (base_epds_score)
Jared	Barton	17
Mickey	Mouse	15

Exporting in



Webinar Test Database | REDCap

File Edit View History Bookmarks Tools Help

ku.edu https://redcap.itc.ku.edu/redcap_v4.0.0/data_export_tool.php?pid=83&view=simple_advanced

REDCap™

Logged in as **jbarton** | [Log out](#)

- My Projects
- Project Home
- Project Setup

Data Collection

- Scheduling**
- Generate schedules for the calendar using your defined events
- Data Entry**
- Add or modify a project record

Applications

- Calendar
- Data Export Tool
- Data Import Tool
- Data Comparison Tool
- Logging
- File Repository
- Graphical Data View & Stats
- Report Builder

Reports

- 1) Depression Scale Score

Help & Information

- General Help
- Video Tutorials

If you are experiencing problems, please contact your [project administrator](#).

The University of Kansas
Center for Research Methods and Data Analysis

Webinar Test Database

Data Export Tool

REDCap allows you to easily export your project data to Microsoft Excel, SAS, Stata, R, or SPSS for analysis. Exporting your data out of REDCap is as simple as you want it to be. To get a quick data dump of all records for your project, choose the Simple Export one-click option. However, if you prefer more granular control over the data you are exporting, you may choose the Advanced Export option. Whenever you perform a data export, REDCap will automatically place a back-up copy of all exported files in the File Repository, if you wish to view it later.

Simple Data Export (one-click)

To perform a quick data dump of your entire data set, simply click the button below. When done, it will provide you with various format options for downloading your data.

[Export all data now](#)

— OR —

Advanced Data Export

This option provides a variety of choices for customizing what data gets exported. You may select individual fields one at a time or entire data collection instruments to export. You may also utilize the data de-identification options (if your user privileges permit) that allow you to limit the amount of sensitive information that you are exporting, if you wish.

[Display advanced options](#)

Other export options






PDF (includes data for all records)

The data for all records in this project may be downloaded in a single PDF file. This file contains the actual page format as you would see it on the data entry page or survey and includes all data for all records for all data collection instruments. Click the icon to the right to begin downloading the file.

[PDF](#)

Note: If your project has a large amount of fields/questions or records/responses, the resulting PDF file may be very large both in file size and in page length. Please be patient if the file takes time to download.

Key Point: You can select the data you want exported for reports or for analysis.

		Download Syntax & Data
	Microsoft Excel You may download the survey results in CSV (comma-separated) format, which can be opened in Excel. You have the choice of downloading the data either with the full headers and answer labels or just with the answer codes (i.e. raw data). <i>NOTE: If you are using a version of Microsoft Excel prior to Excel 2007, due to limitations the data will only be read to 255 columns when opened.</i>	<div> <div>EXCEL CSV ↓ Labels</div> <div>EXCEL CSV ↓ Raw</div> </div> <input type="checkbox"/> Send file?
	SPSS Statistical Analysis Software Instructions: Download and save all 3 files on the right to a common location. First, double-click on the Pathway Mapper (.bat) file, which will run quickly and invisibly. (If you are not using a Windows operating system, such as Mac or Linux, please see the <i>Additional Instructions</i> .) Now double-click on the *.sps file, which will open SPSS. When the file is loaded and displayed, choose Run-->All from the top menu options. This action will launch the script that will automatically read in all data and manipulate data fields with labels, option values, etc. Additional instructions	<div> <div>SPSS ↓</div> <div>DATA CSV ↓</div> <div>Pathway Mapper ↓</div> </div> <input type="checkbox"/> Send file?
	SAS Statistical Software Instructions: Download both files to common location and double-click on *.sas file. When the file is loaded and displayed, choose from the menu options: Run-->Submit. This action will launch the script that will automatically read in all data and manipulate data fields with labels, option values, etc. Before running the syntax file, be sure to change the SAS current working folder to the folder where both files were saved.	<div> <div>SAS ↓</div> <div>DATA CSV ↓</div> </div> <input type="checkbox"/> Send file?
	R Statistical Software Instructions: Use command read.csv('filename') to read in data file.	<div> <div>R ↓</div> <div>DATA CSV ↓</div> </div> <input type="checkbox"/> Send file?
	STATA Analysis and Statistical Software Instructions: Download both files to common location and double-click on *.do file. This action will launch the script that will automatically read in all data and manipulate data fields with labels, option values, etc.	<div> <div>STATA ↓</div> <div>DATA CSV ↓</div> </div> <input type="checkbox"/> Send file?

Key Point: You can export data from your system in different formats for analysis or evaluation purposes.

Limitations and Strengths of



Limitations and Strengths of



- **Limitation:** The reporting function is not “pretty” – there are no canned pre-formatted reports that look professionally ready for dissemination to stakeholders.
- **Strength:** REDCap has the ability to get out any of the data in the database in any way the user wants or needs and can be formatted in any way.

Limitations and Strengths of



- **Limitation:** Requires continued data management effort to capture and integrate existing data from agencies on an ongoing basis; it is not a completely automated system.
- **Strength:** Using REDCap is free, upfront costs are personnel time in building a customized system to meet the needs of a given research or evaluation project. Once built, labor costs will be relatively low to manage data and build reports.

Limitations and Strengths of



- **Strength:** If data changes or new screening or assessment tools are introduced later on in your evaluation, REDCap can be easily modified to capture this new data and re-launched without any loss of data
- **Strength:** Reduces duplicate data entry by home visitors or learning a new data system if one currently exist

The Bottom Line on



- It is a flexible, secure, cost-efficient way to integrate existing and new data without the need for interaction with software developers or advanced knowledge in computer programming.
- It is customizable and can be configured based on what already exists or what may be needed.
- Multi-site or cross-site merging of respondent-level data for more in-depth outcome analysis of impact across populations, sites, or communities.
- Longitudinal designs and repeated measures can be kept neatly in record for one respondent.

CONTACT INFORMATION

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