

	<b>REDCap Resources</b>	
🎕 Home 🌍 My Projects (	Create New Project 😵 Training Resources 😔 Help & FAQ 🛞 Control Center	
REDCap Training Res st Getting Started? plore these overviews of fundamer Title		Watch Video
Brief Overview	A quick summary of what REDCap is and what it can do.	4 minutes
Detailed Overview	This video provides an overview of basic functions and features within a REDCap project. It will serve as a starting point for learning about the basic concepts of REDCap, what REDCap projects are, how to create them, and how to use them.	78 minutes
	A focused exploration of basic data entry workflow. Suitable for training data entry staff.	

My Projects  $\rightarrow$  Training Resources

One of the most impressive aspects of REDCap is the Training Resources and Frequently Asked Question Section.

- The first is a video resource that is split into 21 separate training videos and organized by subject matter.
- Almost everything we talk about today, can be found in these training videos.

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	REDCap Res	ources
2	Home 🦪 My Projects 🕲 Create New Project 😵 Training Resour	rces 🔞 Help & FAQ 👹 Control Center
	REDCap User Group Meeting for 2/12/2015 has been cancelled. Iar REDCap Training Classes are posted here on the <u>CCTST calend</u>	ar., please make sure to register if attending.
	Cap Help & FAQ General Mobile Devices Language Modules Project Setup / Design Surveys Longitudinal Project Linking Copy A Project Data Collect Instrument (DCI) Design Online Designer / Data Dictionary Field Types Text Validation Types Dates Calculated Fields Branching Logic Matrix Fields Copy / Snare DCIs Data Entry / Collection Surveys: Invite Participants Surveys: How to pre-fill survey questions Surveys: How to pre-fill survey questions	

My Projects  $\rightarrow$  Help and FAQ

Good for technical questions better suited for written instructions

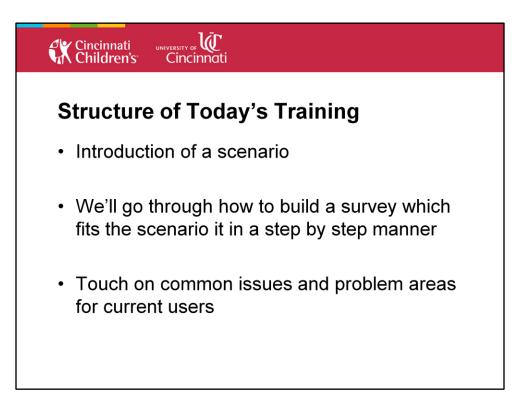
- Syntax for calculate fields
- Syntax for branching logic
- Syntax for piping

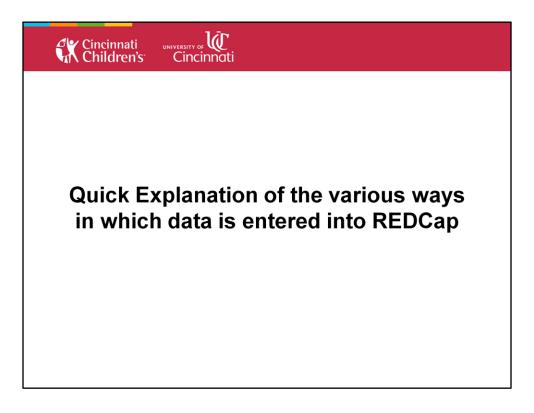
<b>X</b>	Cincinnati Children's	UNIVERSITY OF Cincinnati	
		REDCap	Resources
the bottom. W	a new project field to hen you add a new fi may view the the Fie Text Box (Short T	eld, it will be added to the form eld Types video (4 min).	t by completing the fields below and clicking the Save button at a on this page. For an overview of the different field types           Variable Name (utilized during data export)           name
			Validation? (optional)

Project Home  $\rightarrow$  On-Line Designer  $\rightarrow$  Data Collection Instruments

REDCap is also excellent at sprinkling in various tutorials where skills are commonly needed.

Here, REDCap makes both a piping tutorial and a video about field types easily available for the users.





Cincinnati Children's	INIVERSITY OF UC Cincinnati	
	Database Entry	/
	Demographics	Assign record to a Data Access Group? Cincinnati Staff
Data Collection / Edit instruments	Adding new Record ID 20	
	Event Name: Event 1 (Arm 1: Arm 1)	
Get a public survey link or build a participant list	Record ID	20
Get a public survey link or build a participant list for inviting respondents     Scheduling	What is your full name?	н С Махх
Generate schedules for the calendar     using your defined events	Maxx, What is your age?	H @
Record Status Dashboard - View data collection status of all records	Maxx, When is your brithday?	H Today M-D-Y
Add / Edit Records	Maxx, are you completing this survey as a parent or as a child?	<ul> <li>B ○ Parent</li> <li>Child</li> </ul>
Applications Calendar Data Exports, Reports, and Stats	Maxx, How happy, in general, would you say you are?	Depressed OK I'm super Click bar above and then drag to set response ress
Data Import Tool	Form Status	
Data Comparison Tool     Logging	Complete?	B Incomplete T
Field Comment Log       Field Comment Log       Field Repository       & User Rights and A DAGs       & Record Locking Customization       Record Locking Mgmt       Data Orallity	Lock this record for this form? If locked, no user will be able to edit this record on this form until someone Lock/Unlock privileges unlocks it.	with Cock Save Record Save and Continue Save and go to Next Form
Data Quality API		Cancel

Project Home  $\rightarrow$  Data Collection Heading  $\rightarrow$  Add/Edit Records

Often, studies at CCHMC, will use REDCap to manually enter previously collected data into REDCap via Database Entry.

Some examples include:

- Entering paper surveys
- Entering records of visits
- Entering chart review information

Cincinnati Children's	UNIVERSITY OF UNIVERSITY OF	
	Creating a Public	Link
Data Collection Cliff Instruments Cliff Instrume	Demographics Please complete the survey below. Thank you!	Resize font: A   A
- Generate schedules for the calendar using your defined events     Record Status Dashboard     - View data collection status of all records     Add / Edit Records     - Graste reversords or edd/view existing ones	What is your full name?     Maxx, What is your age?     "must provide value	Maxx
Applications	3) Maxx, When is your brithday? * must provide value	Today) M-D-Y
Data Exports, Reports, and Stats     Data Import Tool     Data Comparison Tool     Logging	4) Maxx, are you completing this survey as a parent or as a child? * must provide value	<ul> <li>Parent</li> <li>Child reset</li> </ul>
Field Comment Log     Field Comment Log     Field Comment A     Second Locking Customization     Record Locking Customization     Second Locking Mgmt	5) Maxx, How happy, in general, would you say you are?	Depressed OK I'm super Click bar above and then drag to set response reset
Data Quality     API <u>https://redcap</u>	research.cchmc.org/surv	

Project Home  $\rightarrow$  Manage Survey Participants  $\rightarrow$  Public Survey Link

It is also possible to send a survey electronically and have to participant enter the information.

One way to capture participants is to create a public link to the survey.

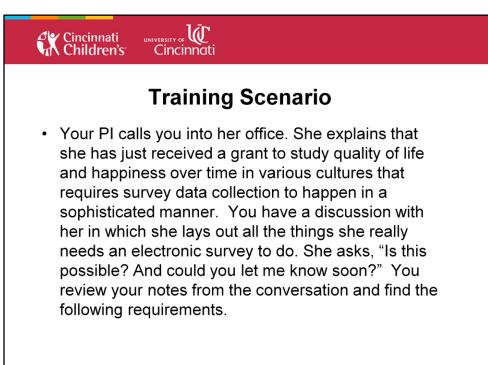
Anyone who has a link will be able to fill out the survey

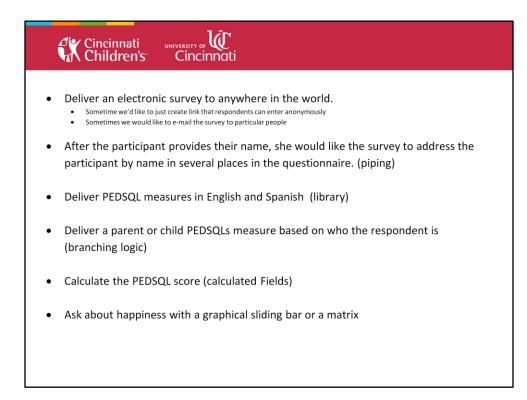
Cincinnati Children's	UNIVERSITY OF U Cincinnati	ĺ								
E-mai	ling a Lir	ık to a	S	pec	i	fic I	Pei	so	n	
Data Collection 2 Edd ion truments Seal Manage Survey Participants Set a polic survey link or build a perticipant law Set in polic memory link or build a perticipant law	Manage Survey Pa	articipants								
Scheduling     Generate schedules for the calendar     using your defined events	@ Public Survey Link	Sa Participant List	🦪 Su	rvey Invita	ition	Log				
Record Status Dashboard     - Vew data collection status of all records     Add / Edit Records     - Oreate new records or edit/vew existing ones	The Participant List option allow survey. It is also possible to ide feature must first be enabled by collected are considered anony	entify an individual's surv clicking the 'Enable' but	ey answers	s, if desired,	by pr	oviding an Ide	entifier for e	ach participa	int (this	
Applications	Participant List belonging	10 [Initial survey] "Der	ographics	-		•		0	emove all pa	
📅 Calendar 💀 Data Exports, Reports, and Stats	Displaying 1 - 2 V of 2	Add participants	Com	pose Surve	y Invit	ations				port list
Data Import Tool	Email	Participant	dentifier	Enable	Link	Invitation Scheduled?	Invitation Sent?	Responded?	Survey	
Data Comparison Tool	Dawn.Sherrill@cchmc.org		Disabled		680	-				remove
Logging					60		52			
<ul> <li>Logging</li> <li>Field Comment Log</li> <li>File Repository</li> </ul>	Maxx.Somers@cchmc.org									remove

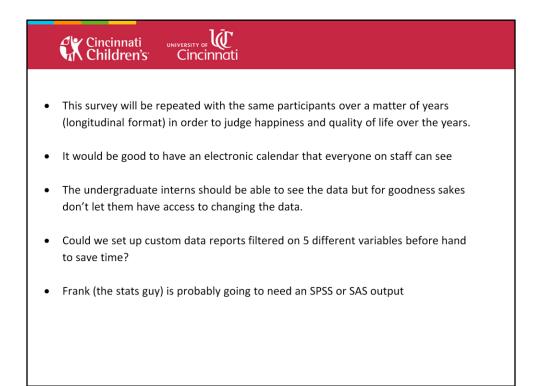
Project Home  $\rightarrow$  Manage Survey Participants  $\rightarrow$  Public Survey Link

It's possible to send a link to a survey via e-mail. Each e-mail contains an individual link and you track the following:

- Schedule an invitation to be sent out in advance
- Track if the invitation e-mail has been sent
- Track to see if the participant has responded







nnati Iren's	VERSITY OF UC Cincinnati	
	an Electronic Survey to Anywhere'd like to just create link that respondents can be the survey to particular the survey t	enter anonymously
📑 Online	r 📑 Data Dictionary	
While in deve	ect modifications to fields and data collection instruments very e status, all field changes will take effect immediately in real time rvey options: Add new instrument:	
struments		om the REDCap Shared Library 🥹
	Fields View Enabled as Instrument acti	ons Survey-related options
	6 📆 🦉 🖓 Rename 🕱 🕻	elete Survey settings + Automated Invitations
Report Ages	28 🛃 🤨 🕝 Rename 🗰 🕻	elete Survey settings + Automated Invitations
t Report For (	Ages 8-12 28 🛃 🤨 🕼 Rename 🗰 🕻	elete Survey settings + Automated Invitations
	0 🛃 Enable 🖉 Rename 🕱 🕻	leiste
	28 📩 🔮 🧭 Rename 🗰 🕅	belete Survey settings

Project Home  $\rightarrow$  Project Setup  $\rightarrow$  On-line Designer  $\rightarrow$  Enable As Survey

If we determine that we need to use either the link to survey or the e-mail survey to participants option, then we need to enable the instruments as a survey. This will allow us to get to the manage participants option.

Cincinnati Children's		<b>,</b> íti	
	ometimes we'd like to j		nywhere in the World. ents can enter anonymously to particular people
🎎 Manage Survey Par	rticipants		
680 Public Survey Link	Participant List	Survey Invitation Log	
identifying data from the participa possibility of participants taking the To obtain the survey link, copy the recipient(s) can then click the link webpage.	the survey multiple times, ne URL below and paste i	which may be necessary in some t into the body of an email messa	e cases. age in your own email client. Your email
Public Survey URL: https://red	dcap.research.cchmc.org	/surveys/?s=tquSNpD	Copy to clipboard
A Open public survey	Send me URL via email	il	
ttps://redcap.rese	earch.cchmc.c	org/surveys/?s=b	<u>jYfoAeW5t</u>

Project Home  $\rightarrow$  Manage Survey Participants  $\rightarrow$  Public Survey Link

This option creates a link that you could then post or send to participants and they can then link to it and fill the survey out.

Disadvantage: You are not going to have the ability to monitor who has or has not filled out the questionaire

🖏 Manage Survey Part	etimes we'd like to just crea Sometimes we would like	eate link that resp	ponden	nts can ente	er anonymo		Ι.	
		Survey Invitati	tion Lo	g				
The Participant List option allows y survey. It is also possible to identi feature must first be enabled by cli	ou to send a customized em y an individual's survey answ king the 'Enable' button in the	mail to anyone in swers, if desired, b	by provi	iding an Ide	ntifier for e	ach participa	nt (this	
The Participant List option allows y survey. It is also possible to identi	ou to send a customized em y an individual's survey answ king the 'Enable' button in the	mail to anyone in swers, if desired, by the table below). U	by provi	iding an Ide	ntifier for e	ach participa Il survey resp	nt (this	articipant
The Participant List option allows ) survey. It is also possible to identi feature must first be enabled by cli collected are considered anonymo	ou to send a customized em y an individual's survey answ king the 'Enable' button in the us. <u>More details</u> [Initial survey] "Demograph	mail to anyone in swers, if desired, by the table below). U	by provi Unless	iding an Ide an Identifie	ntifier for e	ach participa Il survey resp	nt (this oonses	
The Participant List option allows y survey. It is also possible to identi feature must first be enabled by cli collected are considered anonymo Participant List belonging to	ou to send a customized em y an individual's survey answ king the 'Enable' button in the us. <u>More details</u> [Initial survey] "Demograph	mail to anyone in i swers, if desired, b the table below). U phics" Compose Survey I	Unless Invitation	iding an Ide an Identifie	ntifier for e	ach participa Il survey resp	nt (this conses	
The Participant List option allows y survey. It is also possible to identi feature must first be enabled by cli collected are considered anonymo <b>Participant List</b> belonging to Displaying 1 - 2 v of 2	ou to send a customized em y an individual's survey answ king the 'Enable' button in the us. <u>More details</u> [Initial survey] "Demograph Add participants ] CC Co	mail to anyone in swers, if desired, b the table below). U phics" Compose Survey I er Enable L	Unless Invitation	iding an Ide an Identifie v ons Invitation	ntifier for e r is used, a Invitation	ach participa Il survey resp Re	amove all particular to the second se	

Project Home  $\rightarrow$  Manage Survey Participants  $\rightarrow$  Public Survey Link

It's also possible to email a particular set of participants an invitation to complete a survey.

As noted before, with this option you can:

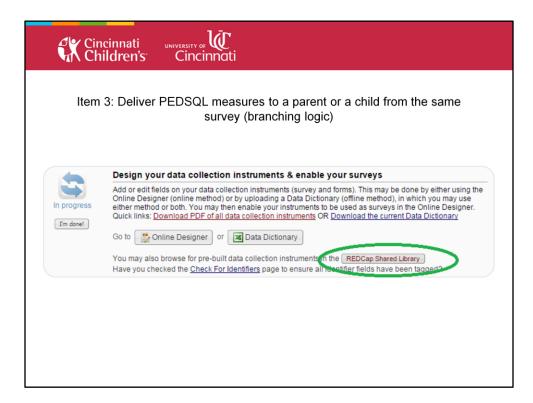
- Schedule an invitation to be sent out in advance
- Track if the invitation e-mail has been sent
- Track to see if the participant has responded

Cincinnati Children's Cincinno	hti
	rovides their name, she would like the survey name in several places in the questionnaire. (piping)
Field Label / How to use What is your full name?	Poing     Variable Name (utilized during data export)     Imame     ONL' letters, numbers, and underscores     Validation? (optional)     None     Required?* @ No @ Yes     *     Pornet if field is blank.
Field Type: Text Box (Short Text) Field Label / How to use [name]. What is your age?	Variable Name (utilized during data export)     Iage     ONLY letters, numbers, and underscores     upon its Field Label?
	Validation? (optional) Number
	Winnium: U

Project Setup  $\rightarrow$  Online Designer  $\rightarrow$  Select a Data Collection Instrument  $\rightarrow$  Add new variable

To Pipe in a variable:

- Select the variable you want to pipe in
- Insert into your text the variable name inside square brackets



Project Setup  $\rightarrow$  REDCap Shared Library

The REDCap Shared Library

- Holds user created instruments that you can bring into a survey
- You can also upload instruments that you feel are worth sharing to the REDCap library

Cincinn Childro	ati UNIVERSITY of U		
Item 3: D		to a parent or a child from	the same
	survey (bra	anching logic)	
de Return to REDCan	Logged in as Maxx Somers (Univer	sity of Cincinnati / Cincinnati Childrens Hospital Medical Center )	Shared Library
Return to REDCap			Search
	footoo:	Search options:	Library Metrics
Reyword Search.	PEDSQL		My Activity
	Occard the library	Minimum downloads: 0	Institution Activity
	Search the library	Recent additions: show all	Consortium Activity
		Curated by REDLOC? show all V	REDLOC
			REDLOC Login
Found 2 results matching	your search		
Title			Download
► PedsQL v4.0 Child Rep	port Ages 8-12 ★		58
> DedeOL v/1 0 Parent D	eport For Children Ages 8-12 *		54
Fedsul V4.0 Falent R	eport For Children Ages 0-12 *		54
Didn't find what you were lo	oking for? Suggest a validated instrument for li	brary inclusion.	
The icon * indicates a RE	EDLOC curated instrument.		

Project Setup  $\rightarrow$  REDCap Shared Library

The REDCap Shared Library

- You can search for the PEDSQL
- Select the survey and import each into our survey.

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Item 3	: Deliver	PEC	SQL measu survey					hild from the same
Project Setup	Donline De	signer	🗃 Data Dictionary					
The Online Designer will a tour web browser. NOTE:	While in develop	ment stat		Add		nstruments v iately in real	ery easily u time.	- ,
			Survey Notifications	Q	Download	new instrum	ent from the	e REDCap Shared Library 😡
Instrument name			Fields	View PDF	Enabled as survey	Instrumer	t actions	Survey-related options
Demographics			6	7	۲	P Rename	X Delete	Survey settings + Automated Invitations
PedsQL v4.0 Child	Report Ages 8-1	2	28	2	0	P Rename	X Delete	Survey settings + Automated Invitations
PedsQL v4.0 Parer	t Report For Chil	dren Age	s 8-12 28	Z	0	P Rename	X Delete	Survey settings +Automated Invitations
Scoring questions			0	Z	Enable	P Rename	X Delete	

Project Setup  $\rightarrow$  Online Designer

The Instruments are then Downloaded into the On-Line Designer

- It's ok that each is listed separately
- By changing some of the survey setting, we can make what the user will see appear seamless.

	nnati ovr dren's	URASITY OF Cincinnati		200 CT			nild from t	he same
Project Setup	Online Designer	📑 Data Dictionary						
						): How to us	e this page	
		t modifications to fields a tatus, all field changes wi					sing only	
		vey options:		new instrum Create a ne		from corota	b	
Data Collection In	struments	Survey Queue Survey Notifications					REDCap Shared	Library 🥹
Instrument name		Fields	View PDF	Enabled as survey	Instrumer	it actions	Survey-related opt	ions
Demographics		6	1	۷	P Rename	X Delete	Survey settings	+ Automated Invitations
PedsQL v4.0 Child	Report Ages 8-12	28	1	۷	P Rename	X Delete	Survey settings	+ Automated Invitations
PedsQL v4.0 Paren	t Report For Children Ag	ges 8-12 28	-	۷	P Rename	X Delete	Survey settings	+ Automated Invitations
Scoring questions		0	1	Enable	P Rename	X Delete		

Project Setup  $\rightarrow$  Online Designer  $\rightarrow$  Survey Queue

Survey Queue Allows you to

- Define the order of the Survey
- Define branching logic to like to

	cinnati university of Ū Idren's Cincinnati	i	
Item		sures to a parent or a child from the sa y (branching logic)	me
≣ Set up §	urvey Queue		
OTE: The first	n text to display at top of survey queue	ices not have a survey that comes before it for which to set conditions.	Auto
Activated?	Survey Title	Display survey in the Survey Queue when	start
Event 1	"PedsQL v4.0 Child Report Ages 8-12" - Event 1	When the following survey is completed: ["Demographics" - Event 1   (AND •)	
Activated		When the following logic becomes true: How to use this [parentorchid] = 2 (e.g., [enrollment_arm_1][gee] > 30 and [enrollment_arm_1][gender] = "1")	
Deactivate	"PedsQL v4.0 Parent Report For Children Ages 8-12" - Event 1	When the following survey is completed:  Demographics* - Event 1  AND	
Deactivate	Ciliaren Ages 0-12 - LVent 1		

Project Setup  $\rightarrow$  Online Designer  $\rightarrow$  Survey Queue

Survey Queue

- Ability to set branching logic for each survey instrument
- Here I've asked each instrument to auto-start after demographics is complete
- If the respondent indicates that they are a child, the PEDSQL Child Report will launch
- For the PEDSQL parent version, I've set it to autostart when demographics is complete and the respondent indicates that they are a parent

no			parent or a child from the same ng logic)
۲	Drag-N-Drop Logic Builder		
	Displaying field choices for the following data of PedsQL v4.0 Child Report Ages 8-12 Field choices from other fields (drag a choice below to box on right) pedsql_c_ha_1 = Never0 (0) pedsql_c_ha_1 = Almost Never1 (1) pedsql_c cha_1 = Sometimes2 (2)	• •	Show the field ONLY if ALL below are true ANY below are true parentorchild = Child (2) X
	<pre>pedsql_c_ha_1 = Sometimes2 (2) pedsql_c_ha_1 = Often3 (3) pedsql_c_ha_1 = Almost Always4 (4) pedsql_c_ha_2 = Never0 (0) pedsql_c_ha_2 = Almost Never1 (1) pedsql_c_ha_2 = Sometimes2 (2) pedsql_c ha_2 = Often3 (3)</pre>	Drag and Drop ⇒	
	pedsul c ha 2 = oltens (s)		Clear los

Project Setup  $\rightarrow$  Online Designer  $\rightarrow$  Select an Instrument

**Branching Logic** 

- You can also do branching logic for individual questions.
- Here I've indicated in each question that it is not to be asked unless the answer to the question "ParentorChild = Child"
- By using branching logic, we can insure that our PI request of delivering the right questions to the right people is fulfilled

Cincinnati	
Children's Cincinn	nati
Item 4: Calculate PEDSQL Scores in the survey	Field Type:       Calculated Field         Question Number (optional) Displayed only on the survey page       How to use Piping         Field Label       Item to use Piping         Health and Activities Score       Item to use Piping         Calculation Equation       How do I format the equation?         [pedsql_c_ha_1] + [pedsql_c_ha_2] + [pedsql_c_ha_3] + [pedsql_c_ha_6] + [pedsql_c_ha_7] + [pedsql_c_ha_8]

Project Setup  $\rightarrow$  Online Designer  $\rightarrow$  Select an Instrument  $\rightarrow$  Select a Variable  $\rightarrow$  Field Type = Calculated Field

How to Create Calculated Field Variables

- Variable names of what we would like to add in brackets (in this case the questions in the Health and Activity section).
- In-between bracketed variables place the mathematical notation you would like to use.
- It is possible to do more complicated calculations in this field.
- For further guidance, click on the, "How do I format the equation" section on the calculated field variable and check out the various possibilities.

	Cincinnati Children's	UNIVERSITY OF U Cincinnati			
	Item	5: Ask about happiness	with a graphica	al sliding ba	r
5)	Maxx, How happy, in gen	eral, would you say you are?	Depressed	ок	I'm super 87 reset
		Submit			

Project Setup  $\rightarrow$  Online Designer  $\rightarrow$  Select an Instrument  $\rightarrow$  Select a Variable  $\rightarrow$  Field Type = Slider Visual Analogue Scale

**Graphical Sliding Bar** 

- Another requirement from our PI was an unusual
- It's useful to familiarize yourself with the several different ways to display questions in REDCap
  - Check boxes
  - Drop down lists
  - Radio bottons
  - Yes No
  - True False

matt	6: This survey will be repeat er of years (longitudinal forn ity of life over the years.								
Since you hav	e defined multiple events on the <u>Define My Eve</u> lize for each event by using the table below. Th					n any d	ata colle		
or any given p Click the <i>Begii</i>	n Editing button to change the relationships bel finished making changes, click the Save buttor Save	low by d	esigna	ting wh	ich forn				r which event
or any given p Click the <i>Begii</i> When you are	project record. Any and all data collection instru <i>n Editing</i> button to change the relationships bell finished making changes, click the Save buttor	low by d	esigna	ting wh	ich forn				r which event
or any given p Click the <i>Begii</i> When you are	broject record. Any and all data collection instrum <i>Editing</i> button to change the relationships bell finished making changes, click the Save buttor Save Data Collection Instrument	low by do n to final Event 1	esigna ize you 1 Year	ting wh Ir chang 2 Year	ges. 3 Year	ms you 4 Year	wish to u	tilize for 6 years	r which event
or any given p Click the <i>Begii</i> When you are Begin Editing Demographic	broject record. Any and all data collection instrum <i>Editing</i> button to change the relationships bell finished making changes, click the Save buttor Save Data Collection Instrument	low by den to finali	esigna ize you 1 Year (2)	ting wh Ir chang 2 Year	ges. 3 Year	ms you 4 Year	wish to u 5 Years	tilize for 6 years	r which event

To define as longitudinal data collection with repeating forms: Project Setup  $\rightarrow$  Main Project settings  $\rightarrow$  Enable longitudinal data collection

To define events over the course of data collection:

Project Setup  $\rightarrow$  Define your events and designate instruments for them  $\rightarrow$  Define My Events

To define which instruments are asked at each event:

Project Setup  $\rightarrow$  Define your events and designate instruments for them  $\rightarrow$  Define My Events

Longitudinal Survey

- Enable longitudinal data collection option
- Define the events you want to appear
- Designate the various instruments you would like to give at each time point

Agenda  Agenda  Calendar Event - Google Chrome  Close  Add New Calendar Event  B + New  + New +					see					ectronic calendar that everyone
Augenia     Augenia       Image     June     2015       Image     Tuesday     Mednesday       Thursday     Wednesday     Thursday       I     + New     3       I     + New     4       I <td< th=""><th></th><th></th><th></th><th>un c</th><th></th><th></th><th></th><th></th><th></th><th></th></td<>				un c						
Image     Unit     2015     Image     Close Image       Image     Tuesday     Thursday       1     + New     3     + New         Add New Calendar Event         Date:     06/03/2015 (Wednesday)       Time:     MH:MM (2ehr format)	Day W	Veek	Month	Agenda						
Inday         Tuesday         Wednesday         Thursday           1         + New         2         + New         3         + New           Date:         06/03/2015 (Wednesday)         Time: (optional)					📢 Jur	ie	* 2015 *	W		
1         + New         2         + New         Add New Calendar Event           Date:         06/03/2015 (Wednesday)         Time: (optional)         MH:MM (24-hr farmal)	Sunda	v	Mon	dav	Tuesd	av	Wednesd	lav	Thursday	
(optional) HH:MM (24-hr format)			+ New	1	+ New	2	+ New	3	+ New	Add New Calendar Event
(optional)										Date: 06/03/2015 (Wednesday)
	New	7	+ New	8	+ New	9	+ New	10	+ New	
15 + New 16 + New 17 + New	New	14	+ New	15	+ New	16	+ New	17	+ New	
15 Then 10 Then 17 Then										Record - not applicable -  Select from drop-down if calendar event is for Record ID
Record Select from drop-down if calendar event is for										
Record Select from drop-down if calendar event is for					+ New			24		
15 + them 16 + them 17 + them										Record
Record set estimates Select from drop-down if calendar event is for										
Record Select from drop-down if calendar event is for										
Record Select from drop-down if calendar event is for										
Record Select from drop-down if calendar event is for										

Project Home  $\rightarrow$  Application Side Bar  $\rightarrow$  Calendar  $\rightarrow$  Generate a Schedule

Electronic Calendar

- REDCap has it's own calendar system
- Useful for multisite studies in which researchers are at different institutions.
- You can add new events manually
- You can generate a schedule by going to:
  - Project Home  $\rightarrow$  Application Side Bar  $\rightarrow$  Calendar  $\rightarrow$  Generate a Schedule

	au Mari 76 376 3076 6			with the		
Item 8: The high so let t		hould be able to ss to changing th			data	but don
2 Editing existing user "So	0MJI3"					
ay also grant them or deny them ac hanges" button at the bottom of the	page.	tion instruments, if so desired. isting user "SOMJI3"	To save	your se	lections	, click the "Sav
Basic Rights		Data Entry Rights				
(if applicable)	(M/D/Y)	NOTE: The data entry ability to view or edit o (e.g., data entry form: data imports or data e	data on a s, report	a web p	age in l	REDCap
Highest level privileges:			No Access	Read Only	View & Edit	Edit survey responses
		Demographics (survey)	0	0	۲	
User Rights Data Access Groups	•	PedsQL v4.0 Child Report Ages 8-12 (survey)	0	0	۲	
Privileges for data exports (including	PDFs and API exports),	PedsQL v4.0 Parent Report For Children	0	0	۲	
reports, and stats:						

Project Home  $\rightarrow$  Applications Side Bar  $\rightarrow$  User Rights

User Rights

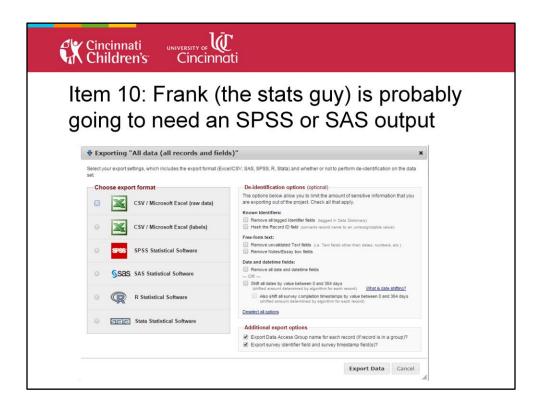
- As each person is added to the survey, specific user rights options are presented
- Here is a user rights profile that will only allow this person to view and edit responses.
- In this case, given how concerned our PI is, students should probably only have Read Only access.

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	STEP 3	D	Operato	How to use filters and A r / Value	ND/OR logic
	Filter 1	parentorchild "[name], are you completing • • •	=	▼ Parent ▼	×
	AND 🔻				
Item 9: Could	Filter 2	happy "[name], How happy, in general, wo	<	▼ 50	×
we set up custom data	AND V				
reports filtered	Filter 3	pedsql_c_ha_1 "1. It is hard for me to walk  in All events  v	=	▼ Never0 ▼	×
variables	AND V				
before hand to save time?	Filter 4	pedsql_c_ha_4 "4. It is hard for me to lift sc V	=	▼ Never0 ▼	×
Save time:	AND 🔻				
	Filter 5	pedsql_c_ha_3 "3. It is hard for me to do st V	=	▼ Never0 ▼	×
	AND 🔻				
	Filter 6	select a field  In All events	=	▼]	
	Switch format: Us				

Project Home  $\rightarrow$  Quick Tasks  $\rightarrow$  Create a Report  $\rightarrow$  Create New Report

Overview of the reports function

- Reports are used to create outputs of selected date
- Reports are flexible and will allow you to drill down to what ever data you are trying to find
- Reports do this by giving you options concerning which fields (or variables) to select
- Reports also allow to select multiple filters
- You can filter by event or time period
- You can order the results by any variable you choose



Project Home  $\rightarrow$  Applications Side Menu  $\rightarrow$  Data Exports, Reports, and Stats

Exporting data to various data analytic software packages in REDCap

- There are various export formats that are available
- There are also several different options for de-indentification

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I	Data Diction	ary		
K → ♥ ♥ ♥ ♥ ♥	avout Formulas Data Review View	REDCapAd	vancedTrainingMaxo	_DataDiction
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B17 • (*	fx pedsql_v40_child_report_ages_812			
A	В	С	D	E
1 Variable / Field Name	Form Name	Section Header	Field Type	Field Labe
2 record_id	demographics		text	Record ID
3 name	demographics		text	What is yc
4 age	demographics		text	[name], W
5 date	demographics		text	[name], W
6 parentorchild	demographics		radio	[name], ai
7 happy	demographics		slider	[name], F
8 pedsql_c_problem	pedsql_v40_child_report_ages_812	DIRECTIONS 		In the past
9 pedsql_c_ha_1	pedsql_v40_child_report_ages_812	ABOUT MY HEAL		1. It is han
10 pedsql_c_ha_2	pedsql_v40_child_report_ages_812		radio	2. It is har
11 pedsql_c_ha_3	pedsql_v40_child_report_ages_812		radio	3. It is han
12 pedsql_c_ha_4	pedsql_v40_child_report_ages_812		radio	4. It is han
13 pedsql_c_ha_5	pedsql_v40_child_report_ages_812		radio	5. It is hard
14 pedsql_c_ha_6	pedsql_v40_child_report_ages_812		radio	6. It is han
15 pedsql_c_ha_7	pedsql_v40_child_report_ages_812		radio	7. I hurt or
16 pedsql_c_ha_8	pedsql_v40_child_report_ages_812	-	radio	8. I have k
17 pedsql_c_f_1	pedsql_v40_child_report_ages_812	ABOUT MY FEEL		1. I feel af
18 pedsql_c_f_2	pedsql_v40_child_report_ages_812		radio	2. I feel sa
19 pedsql_c_f_3	pedsql_v40_child_report_ages_812		radio	3. I feel ar
20 pedsql_c_f_4	pedsql_v40_child_report_ages_812		radio	4. I have ti
21 pedsql_c_f_5	pedsql_v40_child_report_ages_812		radio	5.1 worry
22 pedsql_c_gawo_1	pedsql_v40_child_report_ages_812	HOW I GET ALON		1. I have to
23 pedsql_c_gawo_2 24 pedsql_c_gawo_3	pedsql_v40_child_report_ages_812 pedsql_v40_child_report_ages_812		radio radio	2. Other k 3. Other k

Project Home  $\rightarrow$  Quick Tasks  $\rightarrow$  Download the current Data Dictionary

The Data Dictionary is:

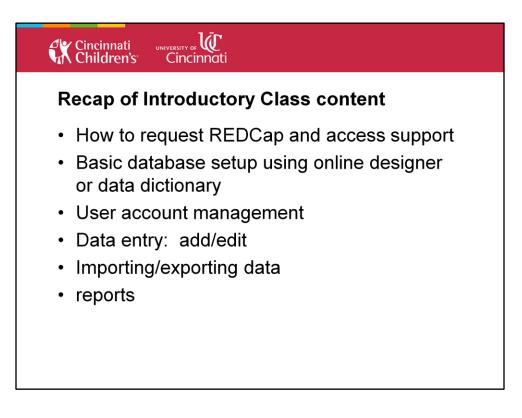
- Is a spreadsheet defining the structure of your project
- Each question on every data collection instrument occupies a row in the spreadsheet
- The spreadsheet can be downloaded, modified outside of REDCap, and then uploaded back into REDCap to change the project structure
- The data dictionary is the fastest and easiest way to copy several fields at once

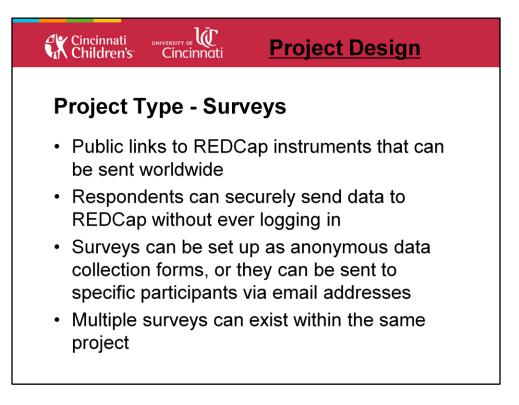
Consider watching the training video on the data dictionary for more information

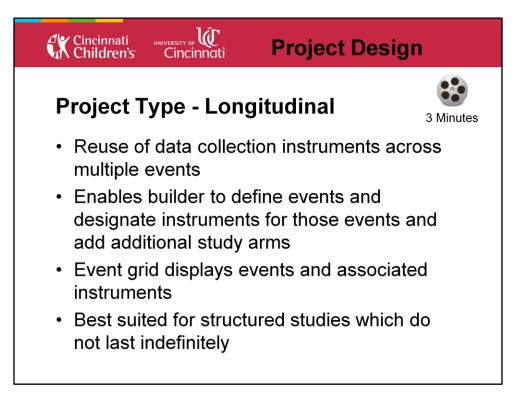


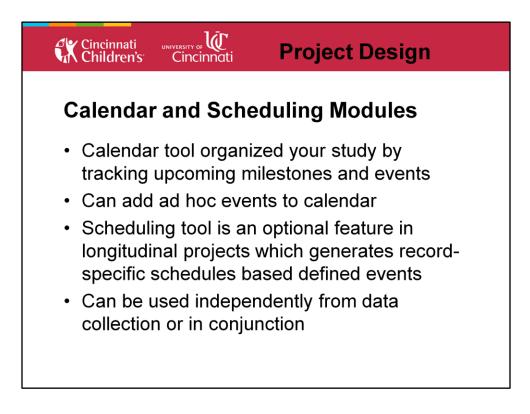
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Cincinnati Children's Cincinnati	
<ul> <li>Class Structure</li> <li>Recap of Introductory class content</li> <li>Advanced Features <ul> <li>Project Design:</li> <li>Project types</li> <li>Calendar and scheduling modules</li> <li>Data access groups</li> <li>User rights</li> <li>Data exports, reports &amp; stats</li> <li>API</li> <li>Integration with statistical programs</li> </ul> </li> </ul>	Database Design: >Branching logic >Calculated & matrix fields >Enhanced text >Data quality rules >Data resolution workflow
<ul><li>Continued Support</li><li>Q&amp;A</li></ul>	







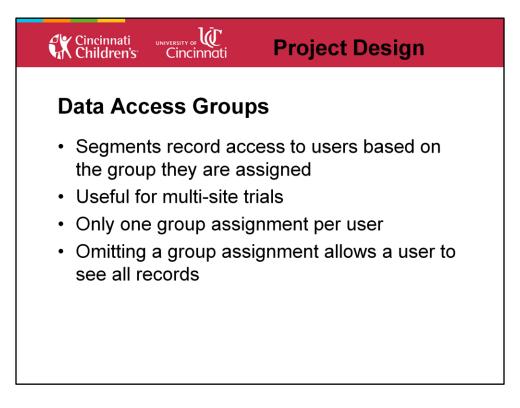


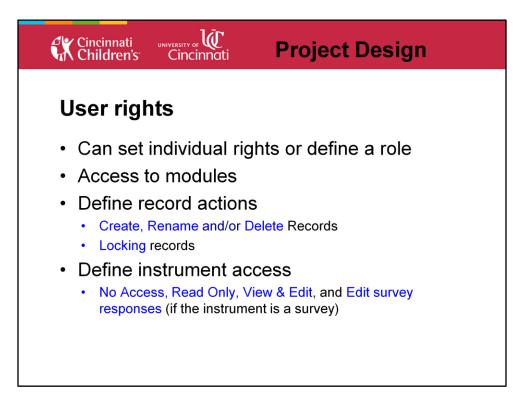
Calendar tool organized your study by tracking upcoming milestones and events

Can add ad hoc events to calendar – ad hoc events dates don't update when defined event dates are modified

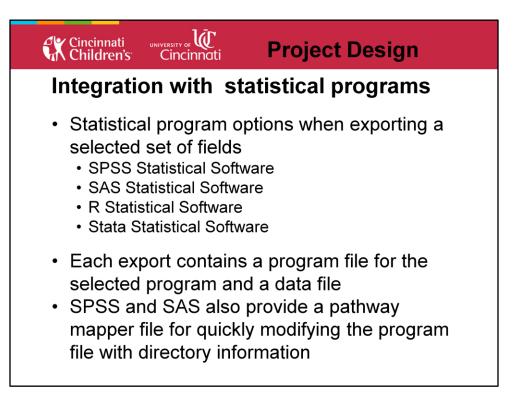
Scheduling tool is an optional feature in longitudinal projects which generates recordspecific schedules based defined events – only for Longitudinal studies.

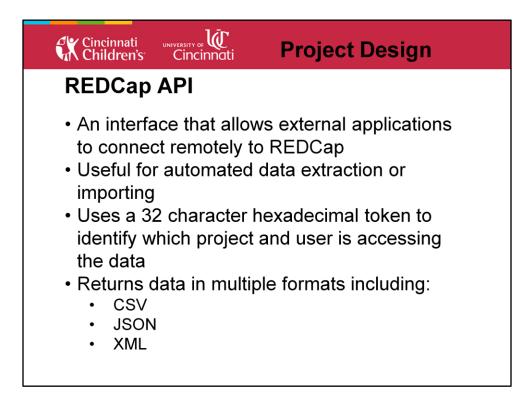
Can be used independently from data collection or in conjunction – if no instruments are assigned to events the scheduling module can be used just to project events and track visits. If instruments are added to events, data collection tools can be accessed directly from the calendar.



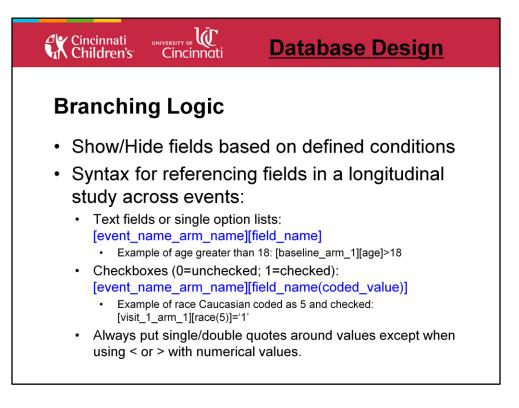


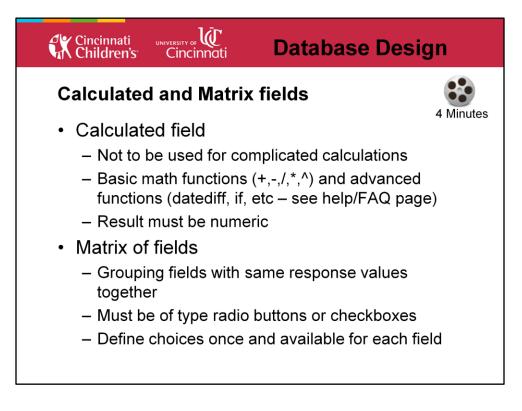


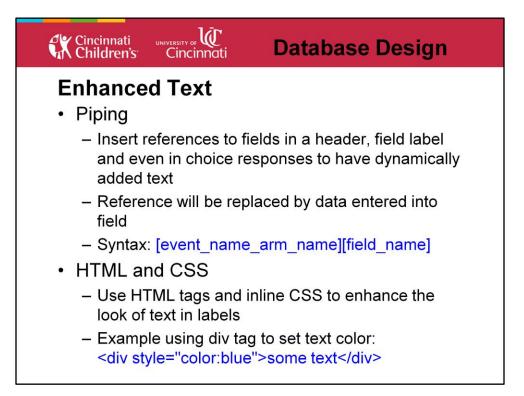


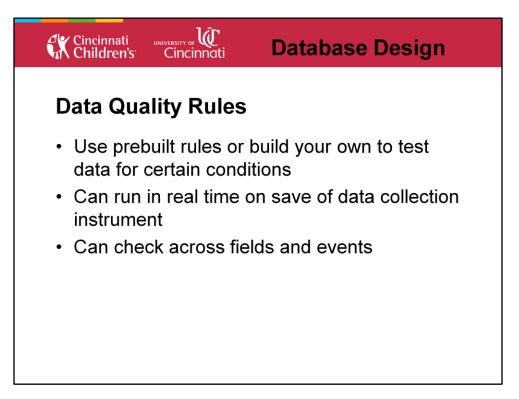


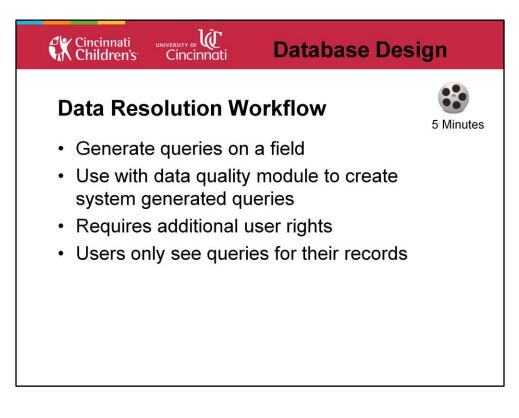
**REQUIRES A PROGRAMMER!!** 











The Data Resolution Workflow, also known as Data Queries, is a process within REDCap to document the resolution of issues concerning the data values within a project. This workflow can be thought of as a change tracking process for data. The procedure allows you to mark a field that possesses issues, assign that issue to others for investigation or review, resolve the issue, record the status, and add a comment for each step in the workflow.

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	REDCap Support Provided
	CCHMC Support Staff <ul> <li>General Questions</li> <li>New Accounts</li> <li>Technical Support</li> </ul> Email: <u>help-redcap@bmi.cchmc.org</u>
	<ul> <li>Center for Clinical and Translational Science and Training (CCTST)</li> <li>Project Creation</li> <li>Study Design</li> <li>Data Management</li> <li>Website: <u>http://cctst.uc.edu</u></li> </ul>

