

# « Neuerungen des letzten Jahres, Blick in die Zukunft »

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(basierend auf der REDCapCon 2020-Präsentation von Rob Taylor)



# « Data Missingness – Fehlende Daten



- In Projekten können Codes für fehlende Werte definiert werden
- Bei der Dateneingabe können diese anstelle der Eingabe eines Wertes ausgewählt werden

**Missing Data Codes: Set up your missing data codes for this project**

Fields that have a blank/missing value may be marked with a custom 'Missing Data Code' to note why the value is blank. These missing codes may be used to aid in data analysis by specifying why a field lacks a value. To enable this feature below, enter both the codes AND their labels for all the categories of missing data that you wish to use in this project. The missing codes should be coded just like the choices of a multiple choice field with *code + comma + label*, in which the codes can only have letters, numbers, dots, dashes, and underscores (e.g., '-999, Not asked' or 'UNK, Unknown'). If no codes are entered, this feature will remain disabled.

[Read more detailed instructions.](#)

**Missing Data Codes**

NI, No information  
 INV, Invalid  
 UNK, Unknown  
 NASK, Not asked

Add code from standardized list of missing data codes (optional suggestions):

Add	NI	No information
Add	INV	Invalid
Add	UNK	Unknown
Add	NASK	Not asked
Add	ASKU	Asked but unknown
Add	NAV	Temporarily unavailable

Option 1  
 Option 2

**Mark field as:**

- [Clear value]
- No information (NI)
- Invalid (INV)
- Unknown (UNK)
- Not asked (NASK)

Option 1  
 Option 2  
 Option 3

No information (NI)

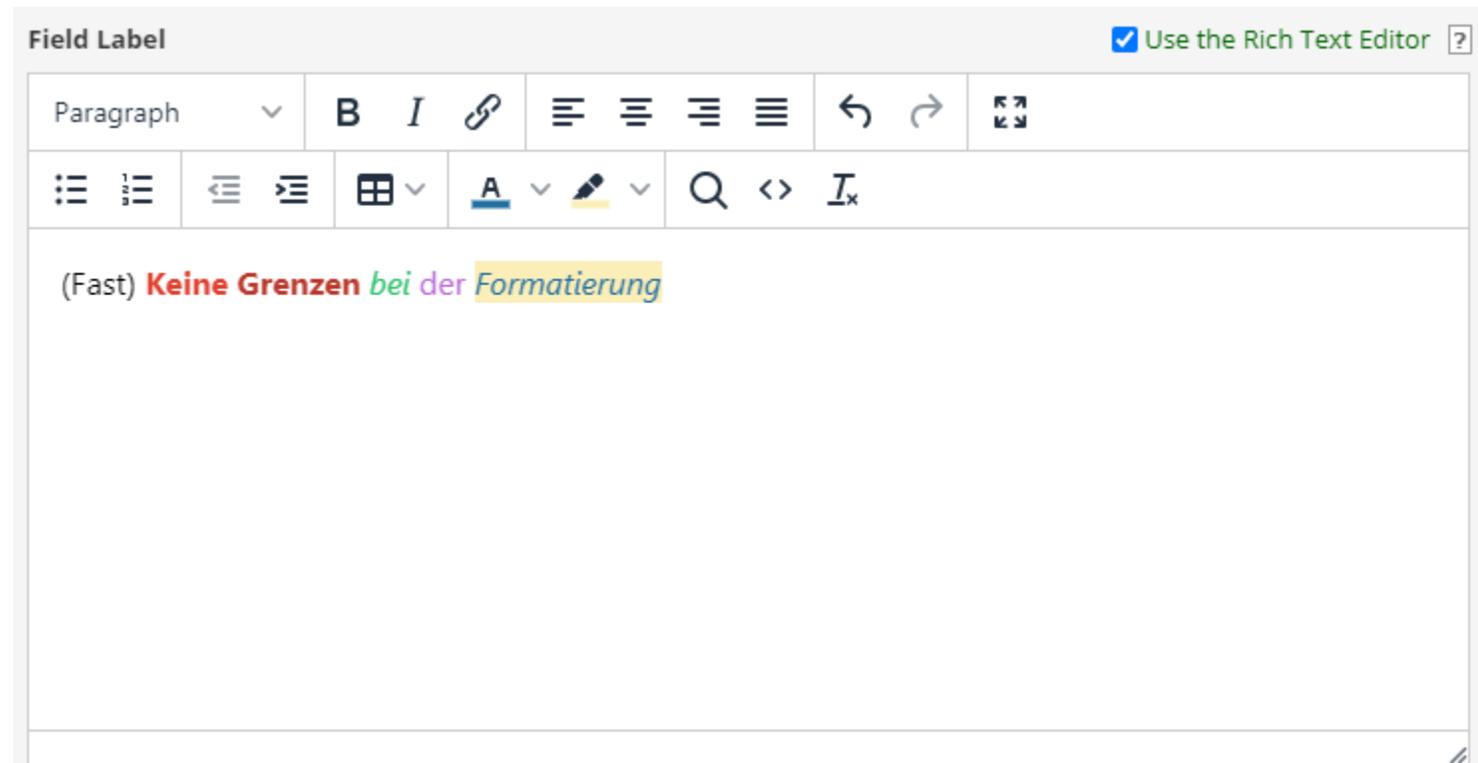
**Number of results returned: 4**  
 Total number of records queried: 4

**Addresses**

Study ID study_id	Street, City, State, ZIP address
1	Asked but unknown (ASKU)
2	123 Main St.
3	101 REDCap Way
4	Not applicable (NA)

# « Rich Text Editoren an vielen Stellen

- Feldbeschriftungen (Online Designer)
- E-Mailtext (ASI, Survey Invitations)
- viele weitere Stellen

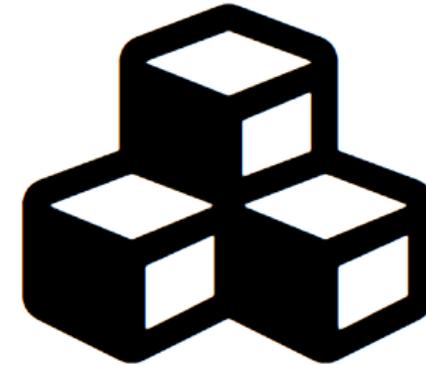


# « Neue Hooks, Action Tags, Entwicklermethoden

- Hooks
  - redcap\_pdf
  - redcap\_email
  - redcap\_survey\_acknowledgement\_page
- Action Tags
  - @HIDDEN-PDF
  - @NOMISSING
- Entwicklermethoden
  - REDCap::getLogEventTable()
  - REDCap::reserveNewRecordId()



# « Bessere Verwaltung von Externen Modulen



Available Modules Search available modules

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**Check for Duplicates Across Multiple Projects - v1.4** Discoverable

Checks for duplicate records (as defined by a certain number of matching fields) across one or more projects. If the field matches across multiple records, a duplicate is reported. (Does not currently work for repeating instruments/events.)

[View Documentation](#) Enable

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**Date Calculated Fields - v9.9** Discoverable

Allows for piping from date fields to other date fields, regardless of format. Can pipe data across events within a REDCap project.

[View Documentation](#) Enable

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**Email Alerts - v2.3.6** Discoverable

Allows users to construct and send customized email alerts to one or more recipients, in which the emails are triggered when a form/survey is completed and optionally based on conditional logic. The user interface enables customized options such as rich text, data piping, and file attachments.

[View Documentation](#) Enable

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**Inline Descriptive Pop-ups - v1.1.1** Discoverable

Allows users to specify words or phrases on a form/survey to appear as a highlighted link that will display a popup of instructive text when the cursor moves over the word/phrase. The configuration allows multiple words/phrases to be utilized.

[View Documentation](#) Enable

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**Instant Field Concatenation - v1.1** Discoverable

This module concatenates fields and places the result in another field instantly. It uses JavaScript and not PHP. It happens upon the user leaving the field.

[View Documentation](#) Enable

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**MyCap - v9.9.9** Discoverable

Companion module for MyCap ([www.projectmycap.org](http://www.projectmycap.org))

[View Documentation](#) Request Activation

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**VUNet ID Login with Survey Prefill - v1.0** Discoverable

Requires LDAP authentication on surveys, and pre-fills as many fields as possible from LDAP.

[View Documentation](#) Enable

**Make module discoverable by users:**

Display info on External Modules page in all projects:

**Allow normal users to enable this module in projects:**

*(Applicable only for discoverable modules)* Allow normal users to enable this module on their own in any project where they have Project Setup/Design privileges (if left unchecked, then only administrators can enable this module):

# « Verbesserungen bei der FHIR® -Anbindung



Oder andere "SMART on FHIR"-fähige KIS



- Starten von CDP und Data Mart direkt aus REDCap heraus
- Verbesserte Zuweisung von Quelldaten zu Feldern
- (EPIC) „Break the Glass“
- Weitere Verbesserungen: einfacher und schneller

## « 🔔 Alerts & Notifications: **SMS und Sprachanrufe**

- Neben E-Mail nun auch SMS und Telefonanrufe
- **Aber:** nur über  **twilio**



# « Integrierter URL-Shortener

- [https://redcap.link/ GUG](https://redcap.link/GUG)



## All-Purpose REDCap URL Shortener (<https://redcap.link>)

This URL Shortener can create a random or custom link beginning with [https://redcap.link/](https://redcap.link) to be used as a redirect to any URL you wish. Note: This service is provided by Vanderbilt and is hosted on AWS. It is recommended that you utilize this service for REDCap-related matters only.

URL:

### OPTION 1:

Create a random short URL

### OPTION 2: Define a custom alias

<https://redcap.link/>

Create a custom short URL

# « Admins: Benutzerperspektive in Projekten



REDCap

Logged in as **taylorr4** | Log out

My Projects or Control Center

REDCap Messenger

View project as user: -- select a user --

**Project Home and Design**

- Project Home
- Designer
- Project status: **Produced**

**Data Collection**

- Record Status Dashboard
- Add / Edit Records

**Applications**

**Project Bookmarks**

- VICTR Candidates

**Reports**

1) Sorted by date interviewed

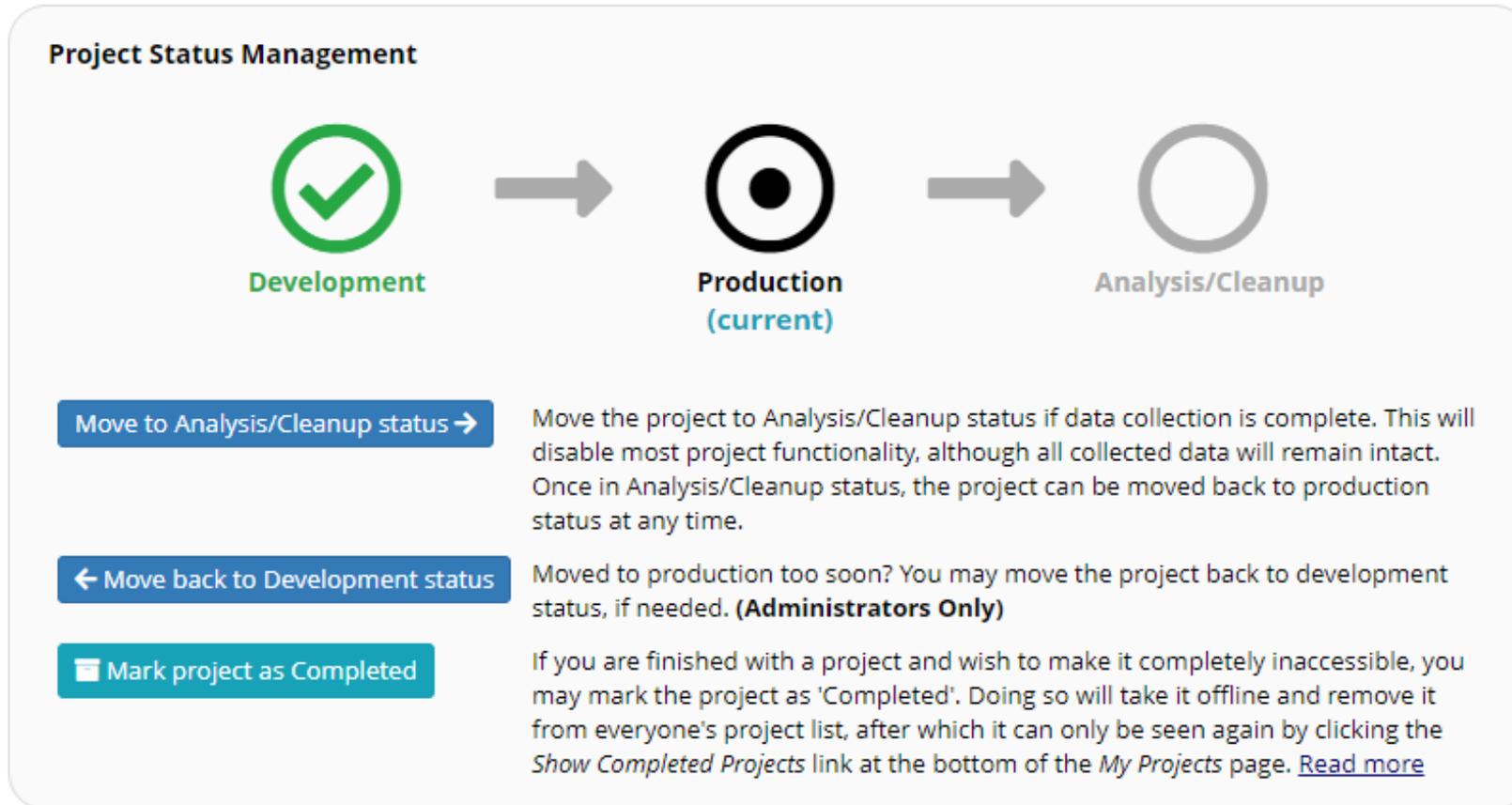
**Interviewer**

- abramm1 (Robert Abram)
- carrollj (Robert Carroll)
- embryb (Bryce Embry)
- farbereh (Eric Farber-Eger)
- kanuchjd (Josh Kanuch)
- lowerybd (Brandon Lowery)
- mceverm (Mark McEver)
- mcguffk (Kyle McGuffin)
- mckayp (Patrick McKay)
- meadm1 (michael mead)
- normanw (Neil Norman)
- sanforlb (Lindsay ONeal)
- wangy70 (Yu Wang)
- yeargism (Stephen Yeargin)

**[Not assigned to a role]**

- basforma (Melissa Basford)
- bradees (Susan Osgood)
- davisr11 (Ross Davis)

# « Neuer Projekt-Lebenszyklus



- Optional (frei definierbare) Fragebögen bei Änderung des Projektstatus

# « Einfacher Wechsel zwischen Datenzugriffsgruppen

**DAG Switcher: Enable multiple Data Access Groups for users** Display options:  Rows are DAGs  Rows are Users

Users assigned to Data Access Groups (DAGs) can optionally be assigned to multiple \*potential\* DAGs, in which they may be given the privilege of switching in and out of specific DAGs on their own whenever they wish. To assign a user to multiple DAGs, check the checkboxes below for that user. At least two DAGs must be checked for a user in order for them to use the DAG Switcher. NOTE: This does not override a user's current DAG assignment, as set above or on the User Rights page.

Show  entries

Data Access Groups	Users																						
	andrea_bronaugh	andrea_bronaugh2	anne_rhodes	brandon_poe	celibell_vargas	chelsea_wynn	christy_poruczniak	emily_hacker	erica_sewell	fatimah_dawood	joe_stanford	john_thacker	kaleigh_baur	kathryn_graham	kayley_cheminant2	kim_altunkaynak	kristina_gale	liqun_wang	maria_castro	melissa_rolife	melissa_stockwell	michael_daugherty	
[No Assignment]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Abt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
cdc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Columbia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utah	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Current Data Access Group: [No Assignment]  Switch

**My Project with DAGs** PID 24

Project Home

Project status: Not started

**Switch Data Access Group**

Select the Data Access Group to which you would like to switch:



# « Field Embedding

- Einbetten von Feldern ... überall
- Design komplexer Formulare
- Noch mit Einschränkungen (Shazam light)
- Syntax: {feldname}

Adding new Record ID 1

Record ID 1

The fields below illustrate random examples of **Field Embedding** as a means of customizing your forms and surveys.

	2012	2013	2014	2015	2016
Federal Grants	<input type="text"/>				
Non-federal Grants	<input type="text"/>				
Research Agreements/Contracts	<input type="text"/>				

**Food question**

How often did you eat spicy foods last year?  number of servings

Per day  Per week  Per month

Do not know / Prefer not to answer reset

**Combo radio buttons with text boxes**

Radio choices with custom "other" option

My first choice  My second choice  Other reset

**Lots of comments**

Main feedback about the event	Feedback regarding the amenities	Feedback regarding the venue	Additional comments
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<span>Expand</span>	<span>Expand</span>	<span>Expand</span>	<span>Expand</span>

**Patient Information**

Patient name:  First  Last

Date of birth:  MM/DD/YY M-D-Y

**Sex:**  Male  Female  Unknown  Other

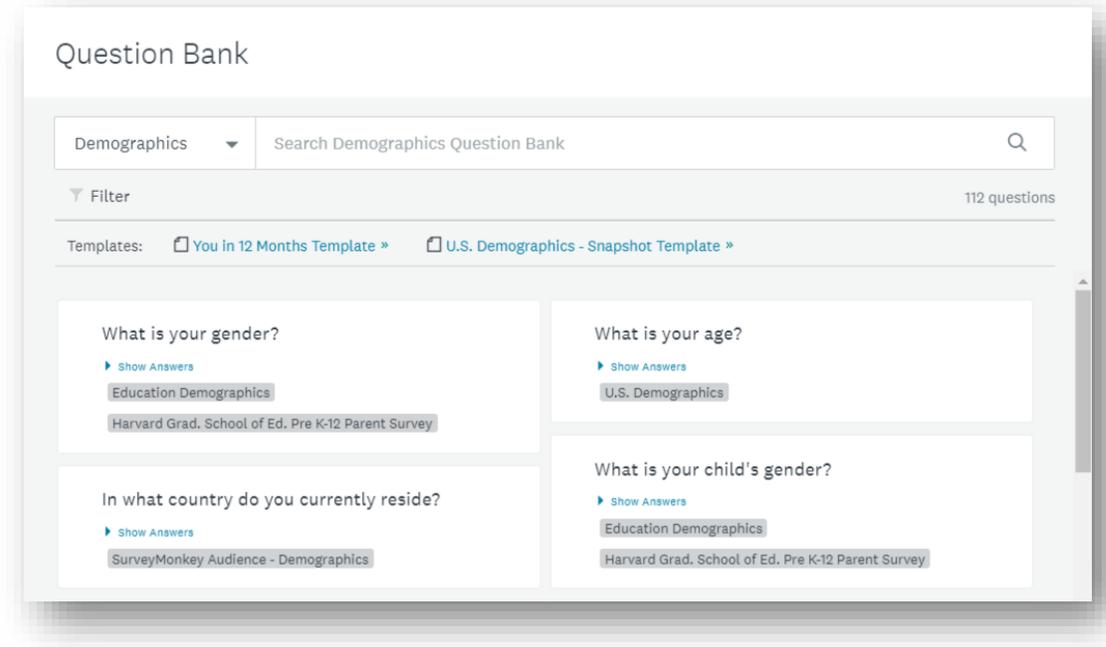
**Ethnicity:**  Hispanic/Latino  Non-Hispanic-Latino  Not specified reset

# » Ausblick »



# » Question Bank (Common Data Elements)

- English only?
- NLM CDE <https://www.nlm.nih.gov/cde/index.html>



# » datecalc()



- Datum als Ergebnis von Calc-Feldern

Editing existing Study ID 1	
Study ID	1 <small>To rename the record, see the record action drop-down at top of the <a href="#">Record Home Page</a>.</small>
Date subject signed consent	<input type="text" value="2020-09-13"/> <input type="button" value="Today"/> Y-M-D
Projected date of first visit	<input type="text" value="2020-09-29"/> <a href="#">View equation</a>

» ASI: Unterstützung von Repeating Instances/Events

» Unterstützung für mehrsprachige Fragebögen/Formulare

Select your preferred language:

S'il vous plaît sélectionnez votre langue préférée:

Bitte wählen Sie die gewünschte Sprache aus:

- English
- French (Français)
- German (Deutsch)

