

La piattaforma REDCap negli studi clinici

DATABASE NEURO-ONCOLOGICO



Laboratorio di
Informatica Medica e
Intelligenza Artificiale

REDCap

Research Electronic Data Capture



Piattaforma web che consente ai Ricercatori di collezionare e archiviare informazioni e risultati in un ambiente sicuro.

- Aderente ai principali **referimenti normativi in materia di trattamento dati personali** (ICH GCP E-6 EU, 21 CFR Part 11 USA, GDPR 2016/679 EU)
- Piattaforma ad **accesso controllato**
- **Installazione centro-specifica**
- Accessibile mediante **link pubblico** (redcap.icsmaugeri.it)
- Supporto informatico per **studi di ricerca no-profit**
- Dati archiviati in **forma pseudonima**

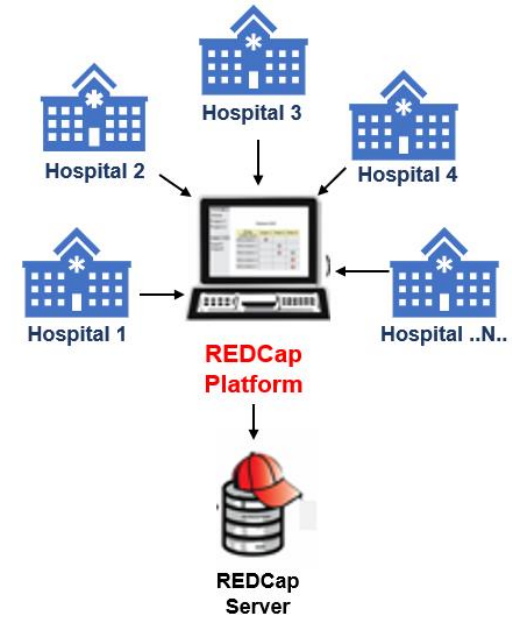


FUNZIONALITA' PRINCIPALI DI REDCAP

LIM-IA

La piattaforma REDCap consente di:

- Costruire schede raccolta dati elettroniche (**eCRFs**) **personalizzate**
- Archiviare **grandi moli di dati**
- **Strutturare** i dati da raccogliere, definendone formato e tipologia
- Gestire **studi mono e multicentrici e longitudinali**
- Realizzare procedure di **randomizzazione**
- Effettuare **monitoraggio e controlli di qualità** dei dati, sia real-time sia al termine del data entry
- Raccogliere attivamente dati da pazienti tramite la somministrazione di **questionari online** in ospedale con tablet oppure direttamente sullo smartphone del paziente a casa



FASI DI GESTIONE DI UNO STUDIO CLINICO CON IL SUPPORTO REDCAP



ACCESSO ALLA PIATTAFORMA



LOGIN MEDIANTE CREDENZIALI PERSONALI



Log In

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

[Forgot your password?](#)

Welcome to REDCap!

REDCap is a secure web platform for building and managing online databases and surveys. REDCap's streamlined process for rapidly creating and designing projects offers a vast array of tools that can be tailored to virtually any data collection strategy.

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 features, such as branching logic, file uploading, and calculated fields.

Learn more about REDCap by watching a [brief summary video \(4 min\)](#). If you would like to view other quick video tutorials of REDCap in action and an overview of its features, please see the [Training Resources](#) page.

NOTICE: If you are collecting data for the purposes of human subjects research, review and approval of the project is required by your Institutional Review Board.

If you require assistance or have any questions about REDCap, please contact [Valentina Tibollo](#).

REDCap Features

Build online surveys and databases quickly and securely in your browser - Create and design your project using a secure login from any device. No extra software required. Access from anywhere, at any time.

Fast and flexible - Go from project creation to starting data collection in less than one day. Customizations and changes are possible any time, even after data collection has begun.

Advanced instrument design features - Auto-validation, calculated fields, file uploading, branching/skip logic, and survey stop actions.

Diverse and flexible survey distribution options - Use a list of email addresses or phone numbers for your survey respondents and automatically contact them with personalized messages, and track who has responded. Or create a simple link for an anonymous survey for mass email mailings, to post on a website, or print on a flyer.

Data quality - Use field validation, branching/skip logic, and Missing Data Codes to improve and protect data quality during data entry. Open data queries to automatically identify and resolve discrepancies and other issues real-time.





[Home](#) **My Projects** [+ New Project](#) [Help & FAQ](#) [Training Videos](#) [Send-It](#) [Messenger](#) [Control Center](#)

Listed below are the REDCap projects to which you currently have access. Click the project title to open the project. [Read more](#) To review which users still have access to your projects, visit the [User Access Dashboard](#).

My Projects [Organize](#) [Collapse All](#)

Project Title	PID	Records	Fields	Instruments	Type	Status
IPNOS	190	593	803	27 forms		
GluToTrack	196	2	53	2 forms		
Prehabilitation H&N	199	7	950	37 forms		
IPNOS con survey	206	86	854	16 forms 15 surveys		
Database Neurooncologico	216	4	233	15 forms		
Progetto Prova 13Dic	218	6	31	2 forms		
TOMP	224	19	100	9 forms		

**PROGETTI A CUI
L'UTENTE HA
ACCESSO**

REDCap 14.0.12 - © 2025 Vanderbilt University

Definizione schede
raccolta dati e
costruzione campi

Inserimento e
monitoraggio
dei dati dei pazienti

Applicazioni /
funzionalità della
piattaforma

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

[My Projects](#) or [Control Center](#)

[REDCap Messenger](#)

[Contact REDCap administrator](#)

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

[Enter PID to go to project](#)

Project Home and Design

[Project Home](#) · [Project Setup](#)

[Designer](#) · [Dictionary](#) · [Codebook](#)

Project status: **Development**

Data Collection

[Record Status Dashboard](#)
- View data collection status of all records

[Add / Edit Records](#)
- Create new records or edit/view existing ones

[Show data collection instruments](#)

Applications

[Project Dashboards](#)

[Alerts & Notifications](#)

[Multi-Language Management](#)

[Calendar](#)

[Data Exports, Reports, and Stats](#)

[Data Import Tool](#)

[Data Comparison Tool](#)

[Logging and Email Logging](#)

[Field Comment Log](#)

[File Repository](#)

[User Rights and DAGs](#)

[Customize & Manage Locking/E-signatures](#)

[Data Quality](#)

[API and API Playground](#)

[REDCap Mobile App](#)

External Modules [Manage](#) [View Logs](#)

Database Neurooncologico PID 216

[Project Home](#) [Project Setup](#) [Other Functionality](#) [Project Revision History](#) [Edit Project Settings](#)

Project status: **Development** Completed steps 0 of 7

Main project settings

Not started

[I'm done!](#)

Enable ☐ Use surveys in this project? [?](#) [VIDEO: How to create and manage a survey](#)

Enable ☐ Use longitudinal data collection with defined events? [?](#)

Enable ☐ Use the MyCap participant-facing mobile app? [Learn more about MyCap](#)

[Modify project title, purpose, etc.](#)

Design your data collection instruments

Not started

[I'm done!](#)

Add or edit fields on your data collection instruments. This may be done by either using the Online Designer (online method) or by uploading a Data Dictionary (offline method). Quick links: [Download PDF of all instruments](#) OR [Download the current Data Dictionary](#)

Go to [Online Designer](#) or [Data Dictionary](#) Explore the [REDCap Instrument Library](#)

Have you checked the [Check For Identifiers](#) page to ensure all identifier fields have been tagged?

Learn how to use [Smart Variables](#) [Piping](#) [Action Tags](#) [Field Embedding](#) [Special Functions](#)

Enable optional modules and customizations

Optional

[I'm done!](#)

Enable ☐ Repeating instruments [?](#)

Disable ☒ Auto-numbering for records [?](#)

Enable ☐ Scheduling module (longitudinal only) [?](#)

Enable ☐ Randomization module [?](#)

Enable ☐ Designate an email field for communications (including survey invitations and alerts) [?](#)

[Additional customizations](#)

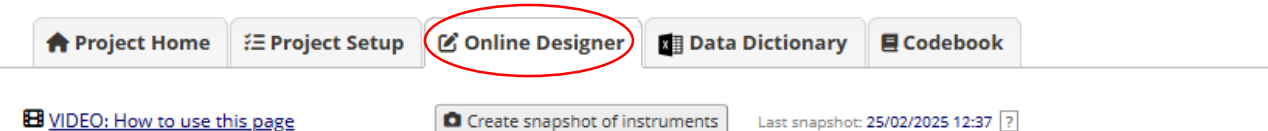
Settings displayed to Administrators only:

Enable ☐ Twilio SMS and Voice Call services for surveys and alerts [?](#)

Enable ☐ Mosio SMS services for surveys and alerts [?](#)

Enable ☐ SendGrid Template email services for Alerts & Notifications [?](#)

COSTRUZIONE DELLE eCRFs (1)



The Online Designer will allow you to make project modifications to fields and data collection instruments very easily using only your web browser. NOTE: While in development status, all field changes will take effect immediately in real time.

Data Collection Instruments		Form options:		
+ Create a new instrument from scratch Import a new instrument from the official REDCap Instrument Library Upload instrument ZIP file from another project/user or external libraries		Form Display Logic		
Instrument name	Fields	View PDF	Instrument actions	
Informazioni Personali	17		Choose action ▾	
Clinica e Esordio	19		Choose action ▾	
Anamnesi psicologica	21		Choose action ▾	
Gad7	13		Choose action ▾	
Phq9	16		Choose action ▾	
Test di Fluenza Verbale Fonetica (MDB)	12		Choose action ▾	
Test della Figura Complessa di Rey	14		Choose action ▾	
Test di Stroop	20		Choose action ▾	
Span di Corsi	13		Choose action ▾	
Digit Span	13		Choose action ▾	
Test delle 15 Parole di Rey	12		Choose action ▾	
Mini Mental State Examination (MMSE)	12		Choose action ▾	
Test di Fluenza Verbale per Categorie	12		Choose action ▾	
Frontal Assesment Battery (FAB)	9		Choose action ▾	
Trail Making Test	15		Choose action ▾	

SCHEDE RACCOLTA DATI AD OGGI DISPONIBILI



Anagrafica del pazienti e informazioni su arruolamento in studio e consenso

Quadro clinico: sintomatologia ed informazioni su risonanza magnetica

Anamnesi psicologica: sintomatologia

Test psicologici con calcolo automatico di punteggi, corretti sulla base di età, scolarità e sesso del paziente

Conversione delle tabelle di correzione dei punteggi dei test in regole informatiche

Età \ Scolarità	5	8	13	17
20	4.1	-0.6	-6.8	-11
25	4.4	-0.3	-6.5	-10.7
30	4.7	0	-6.2	-10.4
35	5.1	0.3	-5.9	-10
40	5.4	0.7	-5.5	-9.7
45	5.8	1.1	-5.1	-9.3
50	6.3	1.5	-4.7	-8.8
55	6.8	2	-4.2	-8.4
60	7.3	2.5	-3.7	-7.8
65	7.9	3.2	-3.1	-7.2
70	8.6	3.9	-2.4	-6.5
75	9.4	4.7	-1.5	-5.7
80	10.4	5.7	-0.5	-4.7

P.C.	P.E.
Da 0 a 17.34	0
Da 17.35 a 21.32	1
Da 21.33 a 25.15	2
Da 25.16 a 30.40	3
> 30.40	4

Edit Field

You may add a new project field to form on this page. For an overview

Field Type: Calculated Field

Field Label

Punteggio corretto

Calculation Equation How do I fo

```
if([punteggio_grezzo_mdb]<='0',0,if([eta_mdb]<='22' and [scolarita]<='5',
[punteggio_grezzo_mdb]+4.1,if([eta_mdb]<='22' and [scolarita]='8',
[punteggio_grezzo_mdb]-0.6,if([eta_mdb]<='22' and [scolarita]='13',
[punteggio_grezzo_mdb]-6.8,if([eta_mdb]<='22' and [scolarita]='17',
[punteggio_grezzo_mdb]-11,if([eta_mdb]<='27' and [scolarita]<='5',
[punteggio_grezzo_mdb]+4.4,if([eta_mdb]<='27' and [scolarita]='8',
[punteggio_grezzo_mdb]-0.3,if([eta_mdb]<='27' and [scolarita]='13',
[punteggio_grezzo_mdb]-6.5,if([eta_mdb]<='27' and [scolarita]='17',
[punteggio_grezzo_mdb]-10.7,if([eta_mdb]<='32' and [scolarita]<='5',
[punteggio_grezzo_mdb]+4.7,if([eta_mdb]<='32' and [scolarita]='8',
[punteggio_grezzo_mdb],if([eta_mdb]<='32' and [scolarita]='13',
[punteggio_grezzo_mdb]-6.2,if([eta_mdb]<='32' and [scolarita]='17',
[punteggio_grezzo_mdb]-10.4,if([eta_mdb]<='37' and [scolarita]<='5',
[punteggio_grezzo_mdb]+5.1,if([eta_mdb]<='37' and [scolarita]='8',
[punteggio_grezzo_mdb]+0.3,if([eta_mdb]<='37' and [scolarita]='13',
[punteggio_grezzo_mdb]-5.9,if([eta_mdb]<='37' and [scolarita]='17',
[punteggio_grezzo_mdb]-10,if([eta_mdb]<='42' and [scolarita]<='5',
[punteggio_grezzo_mdb]+5.4,if([eta_mdb]<='42' and [scolarita]='8',
[punteggio_grezzo_mdb]+0.7,if([eta_mdb]<='42' and [scolarita]='13',
[punteggio_grezzo_mdb]-5.5,if([eta_mdb]<='42' and [scolarita]='17',
[punteggio_grezzo_mdb]-9.7,if([eta_mdb]<='47' and [scolarita]<='5',
[punteggio_grezzo_mdb]+5.8,if([eta_mdb]<='47' and [scolarita]='8',
[punteggio_grezzo_mdb]+1.1,if([eta_mdb]<='47' and [scolarita]='13',
[punteggio_grezzo_mdb]-5.1,if([eta_mdb]<='47' and [scolarita]='17')))))))
```

Test calculation with a record: -- select re

Action Tags / Field Annotation

Learn about @ Action Tags or using

ew field, it will be added to the

Codebook

calcs, and exports)

☒ Enable auto naming of variable based upon its Field Label?

Piping + Field Embedding

on (e.g., name, SSN, address)?

ertical (RV) ▾

field

RECORD STATUS DASHBOARD



Record Status Dashboard (all records)

Displayed below is a table listing all existing records/responses and their status for every data collection instrument (and if longitudinal, for every event). You may click any of the colored buttons in the table to open a new tab/window in your browser to view that record on that particular data collection instrument. Please note that if your form-level user privileges are restricted for certain data collection instruments, you will only be able to view those instruments, and if you belong to a Data Access Group, you will only be able to view records that belong to your group.

Legend for status icons:

- Incomplete
- Incomplete (no data)
- Unverified
- Complete

Dashboard displayed: [Default dashboard] ▼

[Create custom dashboard](#)

Displaying record Page 1 of 1: "1" through "4" ▼ of 4 records

ALL (4) ▼ records per page

[+ Add new record](#)

Displaying: [Instrument status only](#) | [Lock status only](#) | [All status types](#)

Record ID	Informazioni Personali	Clinica e Esordio	Anamnesi psicologica	Gad7	Phq9	Test di Fluenza Verbale Fonetica (MDB)	Test della Figura Complessa di Rey	Test di Stroop	Span di Corsi	Digit Span	Test delle 15 Parole di Rey	Mini Mental State Examination (MMSE)	Test di Fluenza Verbale per Categorie	Fronta Assesme Batter (FAB)
1	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Informazioni Personali

Editing existing Record ID 3.

Record ID

3

To rename the record, see the record action drop-down at top of the [Record Home Page](#).

Codice identificativo pseudonimo

Prova3

Sesso

☐ Maschio
☒ Femmina

reset

Data di nascita

05-03-1956 Today D-M-Y

Titolo di studio

Diploma universitario o laurea breve ▼

Scolarità

8 ▼
anni

Abitudine al fumo

☒ Non fumatore
☐ Fumatore attivo
☐ Ex fumatore

reset

Consumo di alcolici

Non noto ▼

Data firma consenso informato

05-03-2025 Today D-M-Y

Familiarità

- ☐ Padre affetto da neurofibromatosi di tipo 1
- ☒ Madre affetta da neurofibromatosi di tipo 1
- ☐ Padre affetto da sclerosi tuberosa
- ☐ Madre affetta da sclerosi tuberosa
- ☐ Parenti di I grado affetti da Sindrome di Li-Fraumeni
- ☐ Parenti di II grado affetti da Sindrome di Li-Fraumeni
- ☐ Padre affetto da sindrome di Lynch
- ☐ Madre affetta da sindrome di Lynch
- ☐ Altro

DATABASE POPOLATO



Data Exports, Reports, and Stats

+ Create New Report

My Reports & Exports

Other Export Options

View Report: All data (all records and fields)

Number of results returned: 4

Total number of records queried: 4

Report execution time: 0.1 seconds

Stats & Charts

Export Data

Print Page

Live filters:

[Record ID]

VIDEO: How to use Data Exports, Reports, and Stats

All data (all records and fields)

VARIABILI DI PROGETTO

Search

Record ID record_id	Codice identificativo pseudonimo codice_paz	Sesso sesso	Data di nascita data_di_nascita	Titolo di studio titolo_di_studio	Scolarità scolarita	Abitudine al fumo fumo	Pack/years pack_years	Data fine fumatore data_fine_fumatore	Consumo di alcolici consumo_di_alcolici	Data firma consenso informato data_firma_consenso_inform	Familiarità			
											Padre affetto da neurofibromatosi di tipo 1 familiarita__1	Madre affetta da neurofibromatosi di tipo 1 familiarita__2	Padre affetto da sclerosi tuberosa familiarita__3	Madre affetta da sclerosi tuberosa familiarita__4
1	tfyu	Maschio (1)	08-02-1957		3 (3)	Non fumatore (1)					Unchecked (0)	Unchecked (0)	Unchecked (0)	Uncheck
2	Prova1	Femmina (2)	03-03-1971		3 (3)						Unchecked (0)	Unchecked (0)	Unchecked (0)	Uncheck
3	Prova3	Femmina (2)	05-03-1956	Diploma universitario o laurea breve (4)	8 (8)	Non fumatore (1)			Non noto (4)	05-03-2025	Unchecked (0)	Checked (1)	Unchecked (0)	Uncheck
4	Prova4	Maschio (1)	22-01-1977	Diploma di scuola superiore (3)	13 (13)	Fumatore attivo (2)			Consumo di alcolici attuale (2)		Unchecked (0)	Unchecked (0)	Unchecked (0)	Uncheck

P
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Grazie per l'attenzione!