MyCap is a mobile app that participants or patients can download to complete research/clinical data collection from any mobile device. MyCap makes it simple and inexpensive (no-cost) for researchers to use a mobile app to capture patient reported outcomes on both iOS and Android devices. MyCap is available as an external module for REDCap, a secure web application for building and managing online surveys and databases.

MyCap Core Features

- Compatible with iOS and Android devices
- Supports REDCap surveys on classical REDCap projects
- Captures active tasks (e.g., audio recording, tone audiometry, tapping speed)
- Offers unlimited flexibility in scheduling including one-time and recurring tasks
- Allows for data collection multiple times per day
- Automates notifications when tasks/surveys are due
- Supports the sending of secure messages to individual participants
- Supports the sending of announcements to all participants
- Allows for the creation of information screens (e.g., project overview, study contacts, get support)
- Supports custom themes for the project, including customized images and colors
- Captures links to websites and web-based resources
- Supports multiple projects/studies for a single participant
- Offers 6-digit passcode security, which can be disabled if desired

Supports offline data collection, which is automatically synced with study database when internet connectivity is reestablished.

When do I use MyCap versus another REDCap Product

MyCap is best suited for longitudinal studies with frequent requests (surveys or active tasks) for information from participants. Alternatively,

1) The REDCap Mobile Application is designed primarily for research teams sending research coordinators into the field for in-person data collection.

2) The traditional REDCap web surveys work well on phones and tablets whenever sustainable internet connectivity is available.

3) Third-party integrations (e.g. Twilio) allow SMS collection or invitations to complete web-based surveys when singular reminders are helpful.

What is MyCap?

What REDCap platform should I use to capture data from participants?

Dissemination Method

For data collection, will research staff and participants be together, in the same location?

- No

Will surveys be disseminated via text message?

- Yes

Will surveys be administered via an audio call?

- No

How frequently will participants provide data?

- Infrequently (e.g. monthly)

- Occasionally (e.g. weekly)

- Frequently (e.g. daily)

- Will participants provide data on active tasks?

- No

- Will participants provide data multiple times per day?

- No

Will you send secure messages to participants?

- No

Using Internet Browser on computer or mobile device

Will data collection occur mostly offline / without internet access?

- Yes

Will surveys be accessible via a public URL (e.g. survey link posted to public website / forum)?

- No

Will participants access surveys via a public URL (e.g. survey link posted to public website / forum)?

- Yes

Will surveys be disseminated via email?

- No

- Is email best?

- No

Will participants access surveys via a public URL (e.g. survey link posted to public website / forum)?
## How are Others Using MyCap?

<table>
<thead>
<tr>
<th>Project Description</th>
<th>MyCap Utility</th>
<th>Participant Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VUMC</strong> conducted a home-based mobile health exercise intervention for patients recovering from transcatheter aortic valve replacements to track exercise adherence and progress. <a href="#">Read more</a></td>
<td>Participants were assigned exercises, answered daily and weekly questionnaires, and tracked their progress on MyCap.</td>
<td>Older adults</td>
</tr>
<tr>
<td><strong>University of Washington and Sammamish TruMedicines</strong> assessed the efficacy of mobile apps in measuring or encouraging medication adherence. <a href="#">Read more</a></td>
<td>Participants photographed a pill before daily consumption and answered accompanying health-related questions.</td>
<td>Adults</td>
</tr>
<tr>
<td><strong>Mt. Sinai</strong> healthcare system launched the COVID-19 Precision Recovery Program, using MyCap for remote patient monitoring. <a href="#">Read more</a></td>
<td>Patients logged daily symptoms and physiologic data in MyCap, which were monitored by clinical staff to identify when triage or in-person care was needed.</td>
<td>Adults</td>
</tr>
<tr>
<td><strong>VUMC</strong> conducted a COVID-19 surveillance study at a local high school and used MyCap to connect participant samples with test results. <a href="#">Read more</a></td>
<td>Participants submitted weekly saliva samples and symptom surveys. MyCap’s barcode scanning feature linked participants’ sample test tubes to their results, which were pushed to participants’ MyCap app.</td>
<td>High school students &amp; teachers</td>
</tr>
<tr>
<td><strong>UC Denver</strong> is evaluating the efficacy of mobile app usage in a suicide prevention intervention. <a href="#">Read more</a></td>
<td>Participants complete biweekly surveys for three months. MyCap also provides mental-health and self-help resources.</td>
<td>Active-duty Naval personnel</td>
</tr>
<tr>
<td><strong>University of Windsor</strong> is using MYCAP to track participant saliva samples and return test results to individuals as a part of a COVID-19 Detection Platform. <a href="#">Read more</a></td>
<td>MyCap’s barcode scanning feature linked participants’ sample test tubes to test results, which were pushed to participants’ MyCap app.</td>
<td>College faculty &amp; students</td>
</tr>
<tr>
<td><strong>VUMC</strong> is assessing the safety and effectiveness of a drug in reducing Crohn’s disease-associated symptoms. <a href="#">Read more</a></td>
<td>Participants log daily symptoms in MyCap.</td>
<td>Adults</td>
</tr>
<tr>
<td><strong>VUMC</strong> is assessing the efficacy of a drug for treating neurogenic orthostatic hypotension. <a href="#">Read more</a></td>
<td>Participants complete daily activity diary forms and weekly symptom questionnaires in MyCap.</td>
<td>40-80 y/o w/ neurogenic ortho hypotension</td>
</tr>
<tr>
<td><strong>VUMC</strong> uses MyCap to report the use of behavior intervention strategies in schools for students with disabilities and problem behaviors. <a href="#">Read more</a></td>
<td>Participants log the presence and type of behavioral problems, treatment dosage, trainee engagement with professional development programs, and contacts with school-based teams.</td>
<td>Student-facing consultants/coordinators</td>
</tr>
<tr>
<td><strong>Weill Cornell</strong> identified Parkinson’s Disease patients from Healthy Controls utilizing MyCap’s Tapping active task. <a href="#">Read more</a></td>
<td>Participants completed the active tapping task 2x about 1 hour apart, 3 days per week, for 5 weeks on MyCap.</td>
<td>Adults</td>
</tr>
</tbody>
</table>

## Want More Information?

**Additional Resources:**

- [1-hour feature demonstration](#)
- [Download MyCap and use demo available at bottom of](https://projectmycap.org/)
- [Website FAQs](#)
- [Contact us:](#) MyCap@vumc.org