

REDCap Flex Upgrade Changelog – June 24, 2025

Version 15.0.26 LTS to 15.0.28 LTS

No new features, only bug and security fixes

Version 15.0.28

- Major security fix: The third-party library named PDFJS contained a vulnerability that would allow arbitrary JavaScript execution. The PDFJS library in REDCap was upgraded to a non-vulnerable version. This vulnerability can be exploited by authenticated users and also by survey participants. Bug exists in REDCap versions 14.3.4 and higher.
- Major bug fix: In calculations where a variable is compared to a numerical value or another field variable using the "<" or "<=" operator, in which the field value being referenced is blank/null - e.g., "if([v1] < 5, [v1], 0)", the calculation might mistakenly not return the correct result. Bug emerged in 15.0.25 LTS and 15.4.1 Standard. (Ticket #257705)
- Bug fix: Further issues fixed for when opening certain dialogs on various pages might mistakenly cause the page to scroll up or down on its own.
- Bug fix: If certain MyCap-related Smart Variables are piped inside the body of an alert or ASI, it might cause the REDCap cron job to fail with a fatal PHP error and not finish when trying to send out alerts or survey invitations. (Ticket #257796)
- Bug fix: In certain cases, the MLM setup page might fail to load correctly. (Ticket #118463)
- Bug fix: In certain places in REDCap, such as when viewing the Field Comment Log, the page might crash with a fatal PHP error if the content of the Field Comment Log is in a certain or unknown encoding. (Ticket #257616)
- Bug fix: In some cases where calculations depended on the results of other calculations, REDCap failed to be able to complete the downstream calculations. (Ticket #258068)
- Bug fix: In some cases, calculated fields did not have their value updated as expected when some of their dependent variables were hidden by branching logic. (Ticket #258068)
- Bug fix: In very specific situations, Data Quality rule B might mistakenly not return all results for some fields that exist on repeating instruments and contain branching logic that references fields on the same repeating instrument or another repeating instrument. (Ticket #257170)
- Bug fix: On a survey with "Large" or "Very Large" text size, if a checkbox field is embedded into a multiple choice option and has Left/Horizontal or Right/Horizontal alignment, the embedded checkbox option would mistakenly be slightly cut-off on the page. (Ticket #257427)
- Bug fix: Some of the extra logging details seen in the past on the Logging page for File Repository operations were mistakenly no longer displayed on the page. (Ticket #257587)
- Bug fix: Surveys taken on mobile devices would mistakenly auto-scroll when a hidden multiple choice field's value was preset (e.g., through a URL parameter).
- Bug fix: There were inconsistencies in specific parts of the rendering of PDFs (e.g., font styles, spacing).

- Bug fix: When Rapid Retrieval is enabled in the system and the Rapid Retrieval caching process attempts to store large or complex data structures, the process may result in memory exhaustion or serialization failure, leading to fatal PHP errors.
- Bug fix: When a calc or CALCTEXT field exists on a repeating instrument, in which the calculation is set to always return a non-blank value, if the field exists on an event that has no data for the current record, the first instance of the repeating instrument might suddenly get created on the event with no data when entering data on another event during the data entry process. (Ticket #257848)
- Bug fix: When a field with "Number (comma as decimal)" field validation is used in a calc or CALCTEXT field's calculation, it might cause server-side calculations, such as data imports and Data Quality rule H, to mistakenly not return a correct response. (Ticket #258159)
- Bug fix: When copying a report that has one or more custom AI prompts saved for the report, the copy process would fail with an error. (Ticket #257485)
- Bug fix: When exiting Draft Mode when a project is in production status when MLM is being utilized, some MLM queries might fail and cause lasting issues in the project if the REDCap installation has had the auto-incremented Primary Key added to all database tables. (Ticket #257782)
- Bug fix: When using DDP Custom, the DDP mapping page might not load in certain situations. Additionally, some issues might occur on the page when using a proxy with DDP Custom. (Ticket #257937)
- Bug fix: When using any "X & Table-based" authentication method together with Two-Factor Authentication enabled in REDCap, in which the "Enforce two-factor authentication ONLY for Table-based users" setting is set to "Yes" and the "Enable the Google/Microsoft Authenticator app option for 2FA" setting is enabled, the QR code and setup procedure information for setting up the Authenticator app would mistakenly not be displayed to non-Table-based users on the user's Profile page, even when the "Allow users to e-sign using their Two-Factor Authentication 6-digit PIN in place of their password" setting is enabled. Bug emerged in REDCap 14.5.37 LTS and 15.0.3 Standard. (Ticket #257117)
- Bug fix: When using inline comments inside the calculation of a calculated field during a data dictionary import, the calculation might mistakenly not get parsed correctly, thus causing the CSV upload to fail due to an error. (Ticket #257733)
- Bug fix: When using min(), max(), stdev(), and other similar mathematical functions, in which one or more parameters used in the function is a blank value, there are certain cases where the function might mistakenly return a blank value instead of the expected value.
- Bug fix: When using the "Test logic with a record" feature in several places throughout REDCap, in which the logic contains one or more smart variables but does not contain any field variables, the response might be incorrect. (Ticket #257698)
- Bug fix: When using the 2FA setting "Allow users to e-sign using their Two-Factor Authentication 6-digit PIN in place of their password", in which Twilio SMS is enabled as a 2FA option but the user does not have a mobile phone number provided in their REDCap user profile, the "Obtain PIN via SMS" button in the e-Signature dialog would mistakenly be clickable when performing an e-Signature on a data entry form. In this case, clicking the button would fail and display an error. Now, it instead just keeps the button disabled until a mobile phone number has been provided in the user's profile.

Version 15.0.27

- Major security fix: A Stored XSS (Cross-site Scripting) vulnerability was discovered in which a malicious user could potentially exploit it by inserting custom HTML and JavaScript in a specially crafted way into any user input that is then output on a page in REDCap (e.g., field labels, survey instructions, survey response data displayed on a report). This vulnerability can be exploited by authenticated users and also by survey participants entering data. Bug exists in all REDCap versions.
- Bug fix: In certain cases with a CALCTEXT field, a plus or minus sign would mistakenly be replaced by "1+1" in the CALCTEXT result. (Ticket #257373)
- Bug fix: In certain rare situations, the Notifications Log page for Alerts might mistakenly crash with a fatal PHP error. (Ticket #257207)
- Bug fix: When copying a project that has the Secondary Unique Field enabled, the SUF sub-settings (as seen in the Additional Customizations dialog on the Project Setup page) would mistakenly not get copied to the new project. (Ticket #257095)
- Bug fix: When opening and then closing the Additional Customizations dialog on the Project Setup page without saving any changes to settings in the dialog, the values of the settings inside the dialog would mistakenly not reset to their initial values when re-opening the dialog again later, unless the page is refreshed. (Ticket #257095)
- Bug fix: When using Clinical Data Pull for CDIS, the record_identifier_external value has been updated to use a default when the expected data is missing-often due to a mapping issue. This caused display problems in the CDP adjudication table.