

## Advanced Reports for sharing across multiple REDCap projects

at the University of Nottingham

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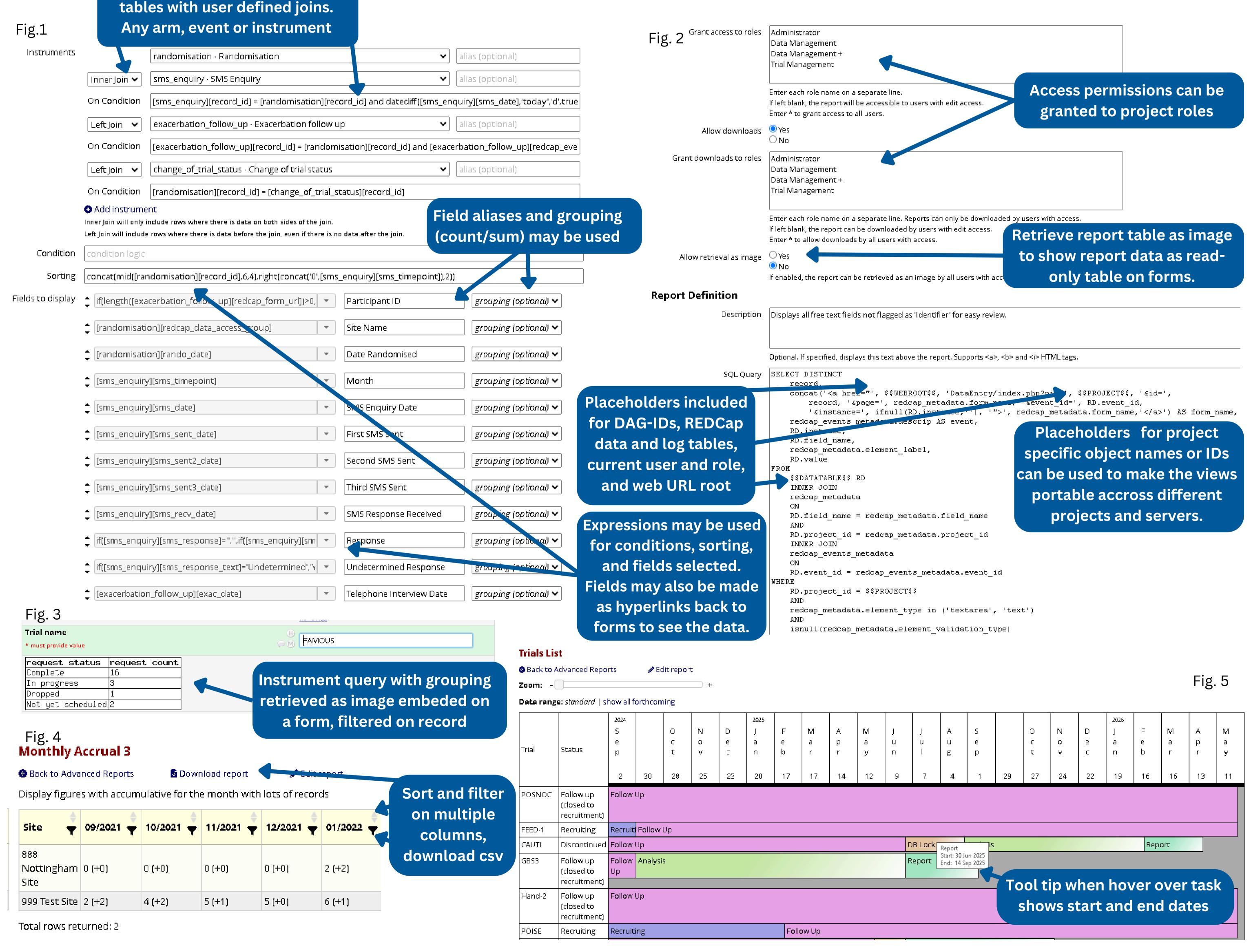
## Background

- Trial systems have bespoke data, but have many common reporting requirements
- Even with bespoke data requirements, it is possible to standardise commonly used fields to facilitate report design sharing.
- REDCap standard reports can't be easily copied into different projects, and are also very limited in functionality and format.

All instruments accessed as

## Key Benefits

- The Advanced Reports external module allows export and import of report definitions in JSON format from one project to another. Works best with most generic kinds of reports, but even those that refer to project specific instruments and fields can be shared with only simple editing of referenced names required.
- Instrument query (Fig. 1) allows forms to be joined as tables. SQL query (Fig. 2) allows highly flexible report building. Embed reports in forms by retrieving as image (Fig. 3) Tabular reports (Fig. 4) allow sorting, filtering and csv download. Gantt chart report (Fig. 5) allows date fields to be displayed as task start and end points.
- PDF reports can convert other reports into a PDF file. It allows flexible letter or form generation with a source template in HTML.
- NCTU continuing to develop and share our REDCap external modules, now with following added: API client,
  Custom Record Naming, Extra Calculation Functions, Locking, Minimisation, REDCap UI Tweaker, Role
   Switcher, User Management Wizard, Validation Tweaker





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NCTU clinical trials methodology Example Advanced Reports JSON files are available at the GitHub repo wiki via QR code link on the right. These cover various common system reporting requirements, like user role membership audit records, data category reviewing, free text fields etc.

GitHub Advanced Reports External Module

