QC2Excel Documentation

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# Introduction

The QC2Excel report converts the QC database to Excel format for easier analysis or distribution to clinical sites. Various options control the data to be included and how it is presented.

The report is generally run via the QC2Excel, QC2ExcelEmail or QC2ExcelSiteEmail programs.

# Output File

The QC2Excel report generates an output Excel spreadsheet with some charts and a table with the following columns:

Region The region the site belongs to. Hidden unless the ‑‑include‑region option is specified. Contains ‘Unknown’ if no DFcountries file exists in the study lib directory or no entry for the corresponding site can be found.

Country The country the site belongs to. Hidden unless the ‑‑include‑country option is specified. Contains ‘Unknown’ if no DFcountries file exists in the study lib directory or no entry for the corresponding site can be found.

Site The site number.

Patient The patient number.

Assessment The visit description.

Visit The visit number.

Plate The plate number.

Page The page description.

Field The field description.

Fld# The field number.

Priority The priority of the QC. Hidden unless ‑‑priority‑file option is specified.

Days [or Created] The age in days of the QC, or the creation date of the QC if the ‑‑creation‑date option is specified.

Age The age range of the QC in 30 day increments

Status The QC status.

Problem The problem type of the QC.

Value The data value being queried.

Query The query text associated with the QC.

Reply The reply text associated with the QC.

# Options

The QC2Excel report has many options to filter and customize its output.

--timestamps Includes creation, modification, resolution timestamp columns

--creation-date Same as above

--outstanding Include only unresolved QCs. Default is to include all QCs.

--simplify Simplify QC states to Pending/Outstanding/Resolved and group EC Missing Page QCs together with Missing Page QCs generated by DF\_QCupdate. Default is to show all QC statuses and problems in their own categories.

--external Include only external QCs. Default is to include both internal and external QCs.

--centers *center-list* The list of center IDs to include. Default is to include all centers.

--plates *plate-list* The list of plate numbers to include. Default is to include all plates.

--visits *visit-plate* The list of visit numbers to include. Default is to include all visits.

--percent Show percentages in the charts instead of actual counts.

--site-mode Simply Excel spreadsheet for sites. Hides visit, plate and field and age/creation date columns. If --outstanding option is also given, skip QCs in pending state as those have already been dealt with by the site.

--include-country Include country column. Requires a DFcountries file in the study lib directory.

--include-region Include region column. Requires a DFcountries file in the study lib directory.

--priority-file *name* The file containing the priorities of the fields. This file must exist in the study lib directory.

--color-by-priority Color the rows based on the QC priority. Colors are 1=red, 2=orange, 3=yellow, 4=green, 5=blue.

--email-from Sets the address this QC report will appear to come from. . This option is set automatically by the QC2ExcelEmail and QC2ExcelSite reports to PHRI.nonotreply@phri.ca.

--email-to Sets the email address to send the report to. This option is set automatically to the email address contained in the user database of the user running the report by the QC2ExcelEmail and QC2ExcelSite reports.

--email Synonym for above.

--help Print options list

--version Print version number

# DFcountries File format

The DFcountries file is used to look up the country and region a site belongs to when the ‑‑include‑country and ‑‑include‑region options are specified. The file format is pipe delimited with three fields – the country name, the region and the list of sites in that country. For example:

Argentina|South America|1-49  
Australia|Eastern Asia|50-99  
Austria|Western Europe|1800-1849  
…

The site/centers list can be a single number, or a range or a comma separated combination of those elements.

# Priority File format

The priority file is used to map fields to a priority number between 1 and 5, with 1 being the highest priority. The file format is pipe delimited with three fields – the plate number, the field number and the priority. For example:

1|7|1  
1|8|3  
1|9|4

Which indicates that plate 1, field 7 has priority 1; plate 1, field 8 has priority 3 and plate 1, field 9 has priority 4. Fields that are not listed in the file default to priority 5.

# Priority Color Coding

If the ‑‑priority‑file and ‑‑color‑by‑priority options have been given, then each QC will be colored based on its priority. The colors are 1=red, 2=orange, 3=yellow, 4=green, 5=blue.