

(bmrn) data completeness listing - dashboard requirements specifications (DRS)

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1 Data Completeness Dashboard

This is a dashboard for the data completeness listing (see the example stored in the docs/Fields_DataCompleteness_270302_ file).

1.1 Document History

Changes to this document should be listed in the **Change Log** section below:

1.1.1 Change log

Version:

Date:

Description:

Modified pages:

1.2 Purpose

The purpose of this document is to serve as a guide to data scientists, app developers, system administrators, and data engineers who are responsible for the maintenance and deployment of the [complete-report] dashboard/app. This document should give the reader all of the information necessary to build, test, and deploy the dashboard/app.

1.3 Scope

The DRS document contains a complete description of the functionality of the [complete-report] dashboard. It consists of use cases, functional requirements and non-functional requirements, which, taken together form a complete description of the software.

1.4 Definitions, Acronyms and Abbreviations

Term: Listing **Definition:** output Excel file from SAS macro. In this dashboard, the listing is the Fields_DataCompleteness_270302_YYYYMMDD.xlsx file.

Term: Dataset Name **Definition:** Name of source dataset.

Term: Field Name **Definition:** Abbreviated name for variable in dataset.

Term: SAS Label **Definition:** Plain language description of measurement

Term: Number of Records Expected Without Not Done **Definition:** ???

Term: # Data Present **Definition:** # Data Present / Total

Term: Percentage of Data Present (%) **Definition:** # Data Present / Total

Term: # Missing **Definition:** non-present values

Term: Percentage of Missing (%) **Definition:** # Missing / Total

Term: Condition for Missing **Definition:** SAS code for missing values

Term:

Definition:

1.5 References

1.5.1 Applicable documents/inputs

The applicable documents/inputs are inputs to the dashboard/app. Any change to an applicable document or input is likely to impact the dashboard or app.

1.5.2 Applicable standards

R - R reference standard.

1.5.3 Reference documents

The reference documents are of interest to the reader of the DRS.

2 OVERALL DESCRIPTION

This section describes the general factors that affect the dashboard/app and its requirements. This section does not state specific requirements. Instead, it provides an overview of those requirements, which are defined in detail in the ‘REQUIREMENTS’ section, and makes them easier to understand.

The [complete-report] dashboard displays the information contained in the `Fields_DataCompleteness_270302` excel files, which are distributed via outlook to identified audiences.

2.0.1 Dashboard/app perspective

The figure below gives an overview of the high level data flow between the [complete-report] dashboard and other files and components:

2.0.2 Dashboard/app functions

The [complete-report] dashboard will provide a tabular summary of the completed study measurements by dataset, field, and corresponding SAS label.

2.0.3 User characteristics

The [complete-report] dashboard will be made available on the [shiny server]. The target audience is:

- CDM (entire group?)
- Data Managers
- [audience?]
- [audience?]

2.0.4 Constraints

The dashboard frontend shall be implemented using:

- SAS (calculations and summary report generation)
- Excel (output file from SAS)
- R (Excel file manipulation and shiny display)

2.0.5 Assumptions and dependencies

3 DASHBOARD/APP REQUIREMENTS

This section covers the specific requirements and design of the [complete-report] dashboard.

3.1 Dashboard/app overview

Data Completeness Report (Beta)

Fields Listing

Removed Listing

Source Code

Dashboard use

Both the Fields Listing and Removed Listing sheets are presented in sortable and filterable tables.

The tables displayed were generated on 2021-01-10 for study 270-302.

The empty boxes in each column to identify dataset, variables, or values.

Click on the column names to sort the data.

Beneath each table is a text-box for taking notes. These will be included in your downloaded report. Read more about markdown syntax [here](#).

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Fields Listing table

Dataset Name	Field Name	SAS Label	Number of Records Expected Without Not Done	# Data Present	Percentage of Data Present (%)	# Missing	Percentage of Missing (%)	Condition for Missing						
ENR	SUBJID	Subject ID	3	3	100	0	0							
SV	SVND	Check if not done	81	81	100	0	0							
SV	SVCVID	If visit not done, was this due to COVID-19?	0	0		0		SVND=1						
SV	SVSTDAT	Date of visit	81	81	100	0	0	SVND=0						
SV	SVON	Standard Clinic	81	11	13.6	70	86.4	SVND=0						
SV	SVVIT	Visit	81	11	13.6	70	86.4	SVND=0						
1-10 of 357 rows			Show	10		Previous	1	2	3	4	5	...	36	Next

Fields Listing Notes

Enter markdown text below:

Please use ****markdown**** syntax!

Preview formatted text:

Please use **markdown** syntax!

3.1.1 Mockup UI

3.1.2 Mockup Server

3.1.3 Use case overview

3.2 Supplementary requirements

3.2.1 Functional requirements

3.2.2 Non-functional requirements

3.2.3 Security requirements

4 USE CASES

4.1 Example notes

Below is an example note for the **Fields listing**:

****CMF**** has 200 missing values.

`SAS Label` is **`Bleed Visit Number`**

Below is an example note for the **Removed listing**:

`DSTERMOT` has been removed.

The **`SASLabel`** is **`Other screen fail reason`**

5 APPENDIXES

5.1 Logical data model