

National Cardiac Registry

Power BI Report Handover



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VERSION 1

INTRODUCTION

This document provides comprehensive documentation for the revised Power BI (PBI) report of the National Cardiac Registry (NCR). Commissioned by the NCR, this document serves as handover documentation for Playtime Solutions (PTS). It details the reworking of NCR's PBI data model and report pages, offering high-level guidance for future development.

The document includes detailed descriptions of report pages, visual elements, Data Analysis Expressions (DAX) measures, and the parent-child dependencies of measures, as well as their application in visuals. While it provides insights into the backend query editor M-code structure, it does not explore it exhaustively. Additionally, it outlines steps for core maintenance activities.

This document is intended for core PBI report developers, PTS systems administrators, and the NCR team. It assumes the reader has proficient PBI skills and is familiar with terms such as 'star schema' and 'bi-directional filtering.' Many tables were constructed using Reza Rad's PBI Helper tool, which proved invaluable during the authoring of this document.

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OVERVIEW OF POWER BI REPORTS

The NCR Power BI (PBI) report consists of 13 report pages, a Table of Contents page, and a Template page. A complete listing is provided below. Please take note of the values in Page Index column, as this referenced in Table 19 (Measures and columns used in visuals).

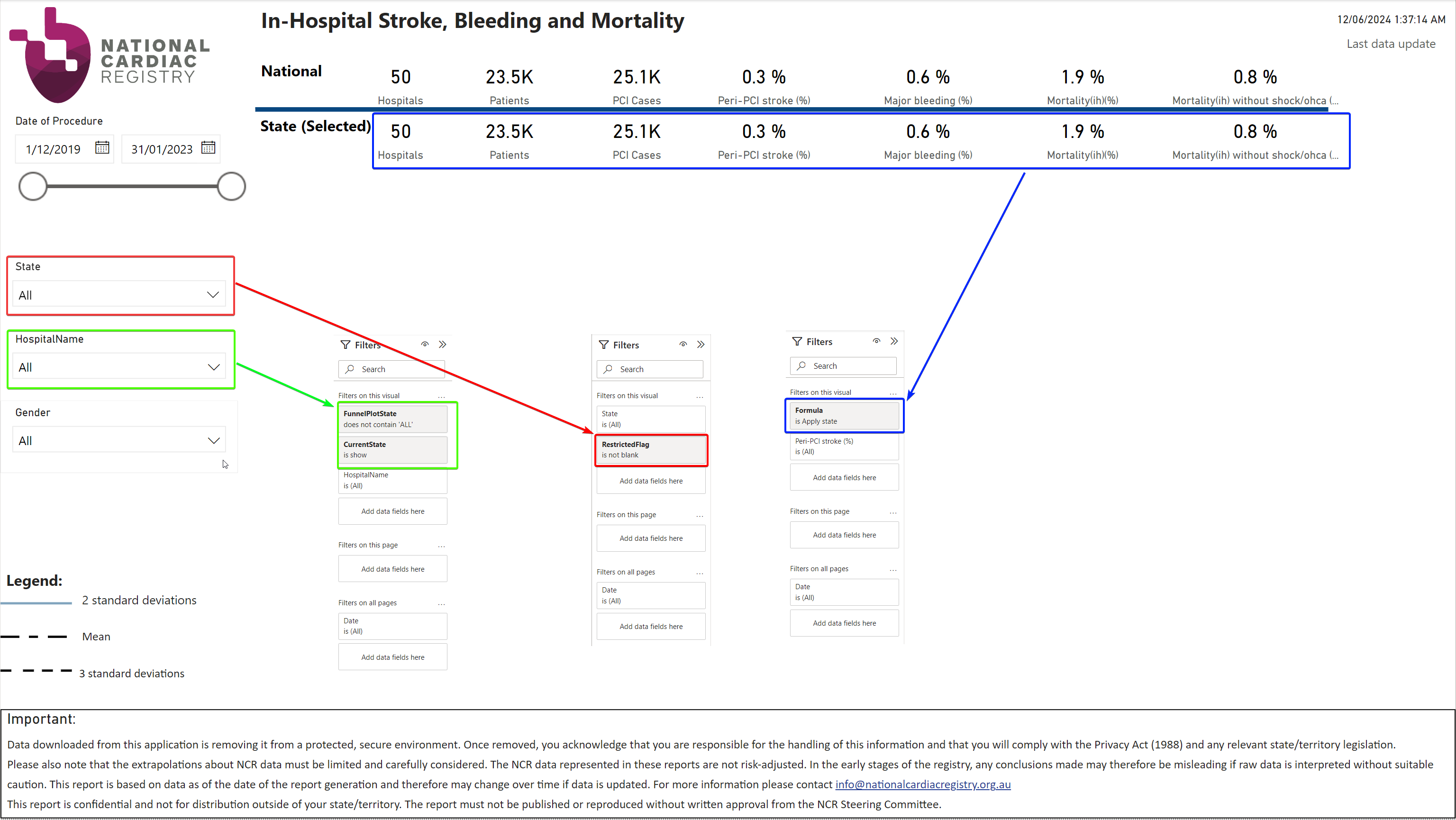
Table 1 List of pages

|  |  |  |  |
| --- | --- | --- | --- |
| DisplayName | Width | Height | Page Index |
| Template | 1280 | 720 | 0 |
| TOC | 1280 | 720 | 1 |
| 01. Primary PCI for STEMI FMC-ECG | 1280 | 720 | 2 |
| 02. Primary PCI for STEMI DBT ≤ 90 minutes | 1280 | 720 | 3 |
| 03. In-Hospital Stroke, Major Bleeding and Mortality | 1280 | 720 | 4 |
| 04. In-Hospital MACE & MACCE | 1280 | 720 | 5 |
| 05. Discharge Medication | 1280 | 720 | 6 |
| 06. Rehab Referral | 1280 | 720 | 7 |
| 07. 30-Day Unplanned Events | 1280 | 720 | 8 |
| 08. 30-Day Mortality | 1280 | 720 | 9 |
| 09. 30-Day MACE & MACCE | 1280 | 720 | 10 |
| 10. Risk factors | 1280 | 720 | 11 |
| 11. Access Route | 1280 | 720 | 12 |
| 12. Lesion Location & Lesion Procedure Success | 1280 | 720 | 13 |
| 13. Non-ACS and NSTEMI Length of stay (LOS) | 1280 | 720 | 14 |

Common elements in Reports

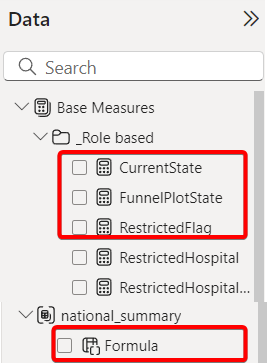
All reports feature slicer visuals on the left side and a top banner displaying key measures at both national and state levels. For each report page to function correctly, slicers and state-level measures must have filter conditions applied at the visual level, adhering to the respective colours indicated in the figure below.

Figure 1 Filters on common visual elements



These filter conditions can be found in the ‘Base Measures’ and ‘national\_summary’ tables as shown in the figure below.

Figure 2 Location of filters



The Data model

The data model consists of the following types of tables:

Fact Table:

* fact DER: Holds all the records or row-level patient data.

Dimensional Tables:

* 11 tables (prefixed with 'dim') are used to facilitate the calculation of clinical measures.

Calendar Table:

* Enables temporal filtering of reports.

Measure Table:

* Base Measures: Used to organise and group all the measures used in the report. The measures are further organised by folders:
* \_Role base: Contains all the Row-Level Security (RLS) filters.
* Common top banner: Contains measures that are common across all top banners.
* Report ##: Contains measures for the respective report number.

Calculation Group:

* national\_summary: Used to implement RLS filtering and manage blank values.

RLS Filtering Table:

* Restricted State: Manages the RLS filtering.

The Figure 3 Power BI data model below shows all the tables and their relationship columns. The data model follows a strict star schema with one-to-many cardinality originating from the dimension tables to the fact table, with no bi-directional cross-filtering.

Figure 3 Power BI data model

A screenshot of a computer

Description automatically generated

A comprehensive list of all relationships is provided in Table 2. Any changes to the existing 'star schema' should be made with careful consideration, as they will significantly impact downstream measures and calculations.

Table 2 Report relationships

| Cross Filtering Behavior | From Cardinality | From Column | From Table | Is  Active | Security Filtering Behavior | To Cardinality | To Column | To Table |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OneDirection | Many | bmi\_id | fact DER | TRUE | One Direction | One | bmi\_id | dim BMI\_Groups |
| OneDirection | Many | age\_group\_id | fact DER | TRUE | One Direction | One | age\_group\_id | dim Age Group |
| OneDirection | Many | sex | fact DER | TRUE | One Direction | One | ID | dim Sex |
| OneDirection | Many | dbm | fact DER | TRUE | One Direction | One | Field Value | dim Diabetes management type |
| OneDirection | Many | acst | fact DER | TRUE | One Direction | One | Field Value | dim TypeofACS |
| OneDirection | Many | inds | fact DER | TRUE | One Direction | One | Field Value | dim Indigenous Status |
| OneDirection | Many | pci | fact DER | TRUE | One Direction | One | Field Value | dim PCI indication |
| OneDirection | Many | dop | fact DER | TRUE | One Direction | One | Date | Calendar |
| OneDirection | Many | ncrhid | fact DER | TRUE | One Direction | One | NCRHospitalID | dim Hospital |
| OneDirection | Many | unique\_patient\_id | fact DER | TRUE | One Direction | One | UniquePatient# | dim Patient |
| OneDirection | Many | State | fact DER | TRUE | One Direction | One | ID | dim State |
| OneDirection | Many | State | fact DER | FALSE | One Direction | One | ID | Restricted State |
| OneDirection | Many | lr1\_lesion | fact DER | TRUE | One Direction | One | Field Value | dim Lesion location |

DATA SOURCES

This PBI report is configured to perform data refreshes from NCR's User Acceptance Test (UAT) server by default. Therefore, it should be reconfigured accordingly when deploying to a production environment. No other external data sources are required for the proper functioning of this report. However, this report assumes that the UAT server is an exact replica of the production server (excluding actual patient data).

Connection details

Server: t-auea-ncr-sqlsv.database.windows.net

Username: ncr-support

Password: \*\*\*\*\*

Figure 4 Connection details to the UAT server

A screenshot of a computer

Description automatically generated

M query data

The backend data extraction, transformation, and load (ETL) processes are performed against the UAT server. The M data load scripts are parameterised to enable rapid deployment to either the UAT or production environments. However, as of this writing, the production server name must be included in the parameter list, as shown in step 2 of the figure below. The database name is also parameterised and requires the same input when deploying to a production environment.

Figure 5 Server name parameter

A screenshot of a computer

Description automatically generated

The M-Queries are structured and grouped into source folder, pre-process, dimension and production folders (ref Figure 5)

Source folder

This folder contains unaltered table or view from the UAT server.

* vw\_Data\_Extract\_Report
* Hospital
* Patient
* dbo\_FileLog
* vw\_Lesion\_location\_superGroup

Preprocess folder

Queries in this folder preform basic data manipulation steps such as, changing data types of columns, renaming columns, removing columns, merging tables and deriving additional columns. These queries have a prefix of “base” in front of the query.

Dimension folder

The queries contained in this folder are the final dimensional tables used in the data model.

Production folder

There are two final tables one being the final factual table ‘fact DER’ and ‘File log’. The ‘File log’ is used to provide the last refresh date in the PBI report.

REPORT VISUALS

The following is a complete listing of all visual elements in each page. The numerical values in X, Y, Z, width and height columns are rounded to the nearest integer.

Template page

Table 3 Visuals in Template

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 2000 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 3000 | 944 | 32 | 2000 | 1 |
| textbox | 'State Header' | 224 | 96 | 4000 | 123 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 5000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 6000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 7000 | 448 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 8000 | 224 | 128 | 1000 | 6 |
|  |  | 0 | 496 | 32000 | 208 | 112 | 32000 | 7 |
| textbox | '' | 0 | 0 | 13000 | 200 | 40 |  | 8 |
| shape | '2SD Line' | 0 | 79 | 22000 | 10 | 30 | 1000 | 9 |
| shape | '2SD Line' | 42 | 48 | 20000 | 17 | 32 | 2000 | 10 |
| textbox | '3SD Text' | 64 | 80 | 18000 | 144 | 32 | 3000 | 11 |
| textbox | 'Mean Text' | 67 | 48 | 16000 | 141 | 32 | 4000 | 12 |
| shape | '2SD Line' | 53 | 79 | 11000 | 10 | 30 | 5000 | 13 |
| shape | '2SD Line' | 20 | 79 | 9000 | 10 | 30 | 6000 | 14 |
| shape | '2SD Line' | 0 | 48 | 7000 | 17 | 32 | 7000 | 15 |
| shape | '2SD Line' | 25 | 48 | 5000 | 8 | 32 | 8000 | 16 |
| shape | '2SD Line' | 0 | 19 | 3000 | 63 | 31 | 9000 | 17 |
| shape | '2SD Line' | 36 | 79 | 1000 | 10 | 30 | 10000 | 18 |
| textbox | '2SD Text' | 67 | 16 | 14000 | 141 | 32 | 11000 | 19 |
| slicer |  | 0 | 224 | 13000 | 208 | 64 | 9000 | 20 |
| slicer |  | 0 | 288 | 12000 | 209 | 64 | 10000 | 21 |
| slicer |  | 0 | 352 | 11000 | 209 | 64 | 11000 | 22 |
| card |  | 320 | 48 | 14000 | 64 | 51 | 12000 | 23 |
| card |  | 320 | 96 | 21000 | 64 | 51 | 13000 | 24 |
| card |  | 416 | 48 | 15000 | 64 | 51 | 14000 | 25 |
| card |  | 416 | 96 | 22000 | 64 | 51 | 15000 | 26 |
| card |  | 528 | 48 | 16000 | 64 | 51 | 16000 | 27 |
| card |  | 528 | 96 | 23000 | 64 | 51 | 17000 | 28 |
| card |  | 624 | 48 | 17000 | 96 | 51 | 18000 | 29 |
| card |  | 624 | 96 | 24000 | 96 | 51 | 19000 | 30 |
| card |  | 768 | 48 | 18000 | 96 | 51 | 20000 | 31 |
| card |  | 768 | 96 | 25000 | 96 | 51 | 21000 | 32 |
| card |  | 912 | 48 | 19000 | 80 | 51 | 22000 | 33 |
| card |  | 912 | 96 | 26000 | 80 | 51 | 23000 | 34 |
| card |  | 1024 | 48 | 20000 | 160 | 51 | 24000 | 35 |
| card |  | 1024 | 96 | 27000 | 160 | 51 | 25000 | 36 |
| textbox | 'Important:' | 0 | 624 | 31000 | 1280 | 96 | 31000 | 37 |

TOC (table of Contents) page

Table 4 Visual in TOC

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| shape |  | 0 | 0 | 0 | 96 | 112 | 1000 | 0 |
| shape |  | 0 | 112 | 1000 | 96 | 40 | 2000 | 1 |
| shape |  | 0 | 256 | 2000 | 96 | 464 | 3000 | 2 |
| pageNavigator |  | 225 | 112 | 3000 | 1012 | 449 | 4000 | 3 |
| image |  | 0 | 152 | 4000 | 207 | 104 |  | 4 |

Primary PCI for STEMI FMC-ECG page

Table 5 Visuals in Primary PCI for STEMI FMC-ECG

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 1000 | 944 | 32 | 2000 | 1 |
| textbox | 'State Header' | 224 | 96 | 2000 | 123 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 3000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 4000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 5000 | 448 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 6000 | 224 | 128 | 1000 | 6 |
| slicer |  | 0 | 224 | 9000 | 208 | 64 | 7000 | 7 |
| slicer |  | 0 | 288 | 8000 | 209 | 64 | 8000 | 8 |
| slicer |  | 0 | 352 | 7000 | 209 | 64 | 9000 | 9 |
| card |  | 352 | 40 | 10000 | 64 | 56 | 10000 | 10 |
| card |  | 352 | 96 | 13000 | 64 | 51 | 11000 | 11 |
| card |  | 506 | 40 | 11000 | 64 | 56 | 12000 | 12 |
| card |  | 506 | 96 | 14000 | 64 | 51 | 13000 | 13 |
| card |  | 660 | 40 | 12000 | 64 | 56 | 14000 | 14 |
| card |  | 660 | 96 | 15000 | 64 | 51 | 15000 | 15 |
| textbox | 'Important:' | 0 | 624 | 25000 | 1280 | 96 | 16000 | 16 |
| card |  | 814 | 40 | 16000 | 128 | 56 | 17000 | 17 |
| card |  | 814 | 96 | 17000 | 128 | 48 | 18000 | 18 |
| card |  | 1032 | 40 | 18000 | 136 | 56 | 19000 | 19 |
| card |  | 1032 | 96 | 19000 | 136 | 48 | 20000 | 20 |
| BoxandWhiskerByMAQ | 'First Medical Contact to PCI mediated reperfusion time in Primary PCI' | 224 | 144 | 20000 | 960 | 240 | 21000 | 21 |
| BoxandWhiskerByMAQ | 'Diagnostic ECG to PCI mediated reperfusion time in Primary PCI' | 224 | 384 | 21000 | 960 | 240 | 22000 | 22 |
| BoxandWhiskerByMAQ | ' ' | 1184 | 176 | 22000 | 96 | 192 | 23000 | 23 |
| BoxandWhiskerByMAQ | ' ' | 1184 | 420 | 23000 | 96 | 188 | 24000 | 24 |
| textbox | 'Data Notes:' | 0 | 464 | 24000 | 214 | 152 | 25000 | 25 |
| actionButton |  | 1198 | 53 | 26000 | 82 | 40 | 26000 | 26 |

Primary PCI for STEMI DBT ≤ 90 minutes page

Table 6 Visuals in Primary PCI for STEMI DBT ≤ 90 minutes

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 1000 | 944 | 32 | 2000 | 1 |
| textbox | 'State Header' | 224 | 96 | 2000 | 123 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 3000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 4000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 5000 | 448 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 6000 | 224 | 128 | 1000 | 6 |
| slicer |  | 0 | 224 | 9000 | 208 | 64 | 7000 | 7 |
| slicer |  | 0 | 288 | 8000 | 209 | 64 | 8000 | 8 |
| slicer |  | 0 | 352 | 7000 | 209 | 64 | 9000 | 9 |
| card |  | 352 | 40 | 10000 | 64 | 56 | 10000 | 10 |
| card |  | 352 | 96 | 13000 | 64 | 51 | 11000 | 11 |
| card |  | 571 | 40 | 11000 | 64 | 56 | 12000 | 12 |
| card |  | 571 | 96 | 14000 | 64 | 51 | 13000 | 13 |
| card |  | 789 | 40 | 12000 | 64 | 56 | 14000 | 14 |
| card |  | 789 | 96 | 15000 | 64 | 51 | 15000 | 15 |
| textbox | 'Important:' | 0 | 624 | 21000 | 1280 | 96 | 16000 | 16 |
| card |  | 1008 | 40 | 16000 | 160 | 56 | 17000 | 17 |
| card |  | 1008 | 96 | 17000 | 160 | 56 | 18000 | 18 |
| BoxandWhiskerByMAQ | 'Door to PCI mediated reperfusion time in Primary PCI' | 224 | 376 | 18000 | 952 | 248 | 19000 | 19 |
| lineStackedColumnComboChart | 'Proportion of Door to Reperfusion times ≤ 90 minutes' | 224 | 144 | 19000 | 952 | 232 | 20000 | 20 |
| BoxandWhiskerByMAQ | ' ' | 1176 | 412 | 20000 | 96 | 180 | 21000 | 21 |
| textbox | 'Data Notes:' | 0 | 464 | 22000 | 208 | 152 | 22000 | 22 |
| lineStackedColumnComboChart | 'Proportion of Door to Reperfusion times ≤ 90 minutes' | 1176 | 195 | 23000 | 104 | 167 | 23000 | 23 |
| actionButton |  | 1198 | 53 | 24000 | 82 | 40 | 24000 | 24 |

In-Hospital Stroke, Major Bleeding and Mortality page

Table 7 Visuals in, In-Hospital Stroke, Major Bleeding and Mortality

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 2000 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 3000 | 944 | 32 | 2000 | 1 |
| textbox | 'State Header' | 224 | 96 | 4000 | 123 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 5000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 6000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 7000 | 448 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 8000 | 224 | 128 | 1000 | 6 |
|  |  | 0 | 496 | 31000 | 208 | 112 | 10000 | 7 |
| textbox | '' | 0 | 0 | 13000 | 200 | 40 | 3000 | 8 |
| shape | '2SD Line' | 0 | 79 | 22000 | 10 | 30 | 7000 | 9 |
| shape | '2SD Line' | 42 | 48 | 20000 | 17 | 32 | 10000 | 10 |
| textbox | '3SD Text' | 64 | 80 | 18000 | 144 | 32 | 13000 | 11 |
| textbox | 'Mean Text' | 67 | 48 | 16000 | 141 | 32 | 17000 | 12 |
| shape | '2SD Line' | 53 | 79 | 11000 | 10 | 30 | 20000 | 13 |
| shape | '2SD Line' | 20 | 79 | 9000 | 10 | 30 | 24000 | 14 |
| shape | '2SD Line' | 0 | 48 | 7000 | 17 | 32 | 27000 | 15 |
| shape | '2SD Line' | 25 | 48 | 5000 | 8 | 32 | 30000 | 16 |
| shape | '2SD Line' | 0 | 19 | 3000 | 63 | 31 | 34000 | 17 |
| shape | '2SD Line' | 36 | 79 | 1000 | 10 | 30 | 38000 | 18 |
| textbox | '2SD Text' | 67 | 16 | 14000 | 141 | 32 | 41000 | 19 |
| funnelPlotNCR | 'Rates of in-hospital major bleeding' | 760 | 160 | 9000 | 520 | 464 | 7000 | 20 |
| slicer |  | 0 | 224 | 12000 | 208 | 64 | 8000 | 21 |
| slicer |  | 0 | 288 | 11000 | 209 | 65 | 9000 | 22 |
| slicer |  | 0 | 352 | 10000 | 209 | 64 | 11000 | 23 |
| card |  | 320 | 40 | 13000 | 64 | 56 | 12000 | 24 |
| card |  | 320 | 96 | 20000 | 64 | 51 | 13000 | 25 |
| card |  | 424 | 40 | 14000 | 64 | 56 | 14000 | 26 |
| card |  | 424 | 96 | 21000 | 64 | 51 | 15000 | 27 |
| card |  | 528 | 40 | 15000 | 64 | 56 | 16000 | 28 |
| card |  | 528 | 96 | 22000 | 64 | 51 | 17000 | 29 |
| card |  | 632 | 40 | 16000 | 96 | 56 | 18000 | 30 |
| card |  | 632 | 96 | 23000 | 96 | 51 | 19000 | 31 |
| card |  | 768 | 40 | 17000 | 96 | 56 | 20000 | 32 |
| card |  | 768 | 96 | 24000 | 96 | 51 | 21000 | 33 |
| card |  | 904 | 40 | 18000 | 112 | 56 | 22000 | 34 |
| card |  | 904 | 96 | 25000 | 112 | 51 | 23000 | 35 |
| card |  | 1056 | 8 | 19000 | 120 | 104 | 24000 | 36 |
| card |  | 1056 | 72 | 26000 | 120 | 96 | 25000 | 37 |
| actionButton |  | 0 | 424 | 27000 | 120 | 48 | 27000 | 38 |
| funnelPlotNCR | 'Rates of in-hospital mortality' | 224 | 160 | 1000 | 528 | 464 | 26000 | 39 |
| actionButton |  | 0 | 424 | 28000 | 120 | 48 | 28000 | 40 |
| actionButton |  | 0 | 0 | 29000 | 1280 | 720 | 29000 | 41 |
| funnelPlotNCR | 'Rates of in-hospital mortality without shock/OHCA' | 752 | 160 | 0 | 528 | 464 | 30000 | 42 |
| textbox | 'Important:' | 0 | 624 | 30000 | 1280 | 96 | 31000 | 43 |
| funnelPlotNCR | 'Rates of peri-PCI stroke' | 224 | 160 | 32000 | 536 | 464 | 32000 | 44 |
| actionButton |  | 1198 | 53 | 33000 | 82 | 40 | 33000 | 45 |

In-Hospital MACE & MACCE page

Table 8 Visuals in, In-Hospital MACE & MACCE

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 2000 | 945 | 32 | 1000 | 1 |
| textbox | 'State Header' | 224 | 96 | 3000 | 128 | 32 | 2000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 4000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 5000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 6000 | 544 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 1000 | 224 | 128 | 3000 | 6 |
|  |  | 0 | 496 | 15000 | 208 | 112 | 15000 | 7 |
| textbox | '' | 0 | 0 | 6000 | 200 | 40 | 26000 | 8 |
| shape | '2SD Line' | 0 | 79 | 11000 | 10 | 30 | 30000 | 9 |
| shape | '2SD Line' | 42 | 48 | 10000 | 17 | 32 | 34000 | 10 |
| textbox | '3SD Text' | 64 | 80 | 9000 | 144 | 32 | 36000 | 11 |
| textbox | 'Mean Text' | 67 | 48 | 8000 | 141 | 32 | 37000 | 12 |
| shape | '2SD Line' | 53 | 79 | 5000 | 10 | 30 | 38000 | 13 |
| shape | '2SD Line' | 20 | 79 | 4000 | 10 | 30 | 39000 | 14 |
| shape | '2SD Line' | 0 | 48 | 3000 | 17 | 32 | 40000 | 15 |
| shape | '2SD Line' | 25 | 48 | 2000 | 8 | 32 | 41000 | 16 |
| shape | '2SD Line' | 0 | 19 | 1000 | 63 | 31 | 42000 | 17 |
| shape | '2SD Line' | 36 | 79 | 0 | 10 | 30 | 43000 | 18 |
| textbox | '2SD Text' | 67 | 16 | 7000 | 141 | 32 | 44000 | 19 |
| slicer |  | 0 | 352 | 7000 | 208 | 64 | 7000 | 20 |
| card |  | 336 | 32 | 8000 | 64 | 56 | 8000 | 21 |
| card |  | 336 | 98 | 11000 | 64 | 56 | 9000 | 22 |
| card |  | 423 | 32 | 9000 | 64 | 56 | 10000 | 23 |
| card |  | 421 | 98 | 12000 | 64 | 56 | 11000 | 24 |
| card |  | 509 | 32 | 10000 | 64 | 56 | 12000 | 25 |
| card |  | 507 | 98 | 13000 | 64 | 56 | 13000 | 26 |
| textbox | 'Important:' | 0 | 624 | 14000 | 1280 | 96 | 14000 | 27 |
| slicer |  | 0 | 224 | 16000 | 208 | 64 | 16000 | 28 |
| slicer |  | 0 | 288 | 17000 | 209 | 64 | 17000 | 29 |
| funnelPlotNCR | 'Rates of in-hospital MACE' | 224 | 160 | 27000 | 528 | 464 | 18000 | 30 |
| funnelPlotNCR | 'Rates of in-hospital MACE without shock/OHCA' | 752 | 160 | 26000 | 528 | 464 | 19000 | 31 |
| card |  | 592 | 32 | 18000 | 136 | 56 | 21000 | 32 |
| card |  | 752 | 8 | 20000 | 112 | 104 | 22000 | 33 |
| card |  | 592 | 98 | 19000 | 136 | 56 | 20000 | 34 |
| card |  | 752 | 74 | 21000 | 112 | 104 | 23000 | 35 |
| card |  | 889 | 32 | 22000 | 136 | 56 | 25000 | 36 |
| card |  | 1048 | 8 | 24000 | 120 | 104 | 26000 | 37 |
| card |  | 891 | 94 | 23000 | 136 | 64 | 24000 | 38 |
| card |  | 1048 | 74 | 25000 | 120 | 104 | 27000 | 39 |
| actionButton | 'MACCE button' | 0 | 424 | 28000 | 120 | 48 | 28000 | 40 |
| funnelPlotNCR | 'Rates of in-hospital MACCE' | 224 | 160 | 30000 | 528 | 464 | 29000 | 41 |
| funnelPlotNCR | 'Rates of in-hospital MACCE without shock/OHCA' | 752 | 160 | 29000 | 528 | 464 | 30000 | 42 |
| actionButton | 'MACE button' | 0 | 424 | 31000 | 120 | 48 | 31000 | 43 |
| actionButton |  | 1198 | 53 | 32000 | 82 | 40 | 32000 | 44 |

Discharge Medication page

Table 9 Visuals in Discharge Medication

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 1000 | 944 | 32 | 2000 | 1 |
| textbox | 'State Header' | 224 | 96 | 2000 | 123 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 3000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 4000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 5000 | 448 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 6000 | 224 | 128 | 1000 | 6 |
| slicer |  | 0 | 224 | 9000 | 208 | 64 | 7000 | 7 |
| slicer |  | 0 | 288 | 8000 | 209 | 64 | 8000 | 8 |
| slicer |  | 0 | 352 | 7000 | 209 | 64 | 9000 | 9 |
| card |  | 320 | 48 | 10000 | 64 | 51 | 10000 | 10 |
| card |  | 320 | 96 | 13000 | 64 | 51 | 11000 | 11 |
| card |  | 480 | 48 | 11000 | 64 | 51 | 12000 | 12 |
| card |  | 480 | 96 | 14000 | 64 | 51 | 13000 | 13 |
| card |  | 640 | 48 | 12000 | 64 | 51 | 14000 | 14 |
| card |  | 640 | 96 | 15000 | 64 | 51 | 15000 | 15 |
| textbox | 'Important:' | 0 | 624 | 16000 | 1280 | 96 | 16000 | 16 |
| textbox | 'Data Notes:' | 0 | 515 | 17000 | 208 | 100 | 17000 | 17 |
| lineStacked  ColumnComboChart | 'Discharged on lipid-lowering therapy' | 224 | 144 | 18000 | 921 | 232 | 18000 | 18 |
| lineStacked  ColumnComboChart | 'Proportion of Door to Reperfusion times ≤ 90 minutes' | 1145 | 167 | 19000 | 135 | 195 | 19000 | 19 |
| card |  | 799 | 48 | 20000 | 110 | 52 | 20000 | 20 |
| card |  | 799 | 96 | 21000 | 110 | 51 | 21000 | 21 |
| lineStacked  ColumnComboChart | 'Proportion of Door to Reperfusion times ≤ 90 minutes' | 1145 | 394 | 22000 | 135 | 195 | 22000 | 22 |
| lineStacked  ColumnComboChart | 'Discharged on dual antiplatelet therapy' | 224 | 376 | 23000 | 921 | 232 | 23000 | 23 |
| card |  | 1005 | 48 | 24000 | 128 | 52 | 24000 | 24 |
| card |  | 1005 | 96 | 25000 | 128 | 51 | 25000 | 25 |
| actionButton |  | 1198 | 53 | 26000 | 82 | 40 | 26000 | 26 |

Rehab Referral page

Table 10 Visuals in Rehab Referral

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 2000 | 944 | 32 | 1000 | 1 |
| textbox | 'State Header' | 224 | 96 | 3000 | 128 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 4000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 5000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 6000 | 544 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 1000 | 224 | 128 | 2000 | 6 |
| slicer |  | 0 | 352 | 7000 | 208 | 64 | 7000 | 7 |
| card |  | 336 | 48 | 8000 | 64 | 48 | 8000 | 8 |
| card |  | 336 | 96 | 11000 | 64 | 48 | 9000 | 9 |
| card |  | 552 | 48 | 9000 | 64 | 48 | 10000 | 10 |
| card |  | 552 | 96 | 12000 | 64 | 48 | 11000 | 11 |
| card |  | 768 | 48 | 10000 | 64 | 48 | 12000 | 12 |
| card |  | 768 | 96 | 13000 | 64 | 48 | 13000 | 13 |
| textbox | 'Important:' | 0 | 624 | 14000 | 1280 | 96 | 14000 | 14 |
| clustered ColumnChart | 'Referral to cardiac rehabilitation' | 223 | 152 | 15000 | 919 | 364 | 15000 | 15 |
| clustered ColumnChart | ' ' | 1142 | 152 | 16000 | 138 | 360 | 16000 | 16 |
| card |  | 984 | 96 | 20000 | 184 | 56 | 17000 | 17 |
| card |  | 984 | 48 | 17000 | 184 | 48 | 18000 | 18 |
| slicer |  | 0 | 224 | 18000 | 208 | 64 | 19000 | 19 |
| slicer |  | 0 | 288 | 19000 | 209 | 64 | 20000 | 20 |
| textbox | 'Data Notes:' | 0 | 515 | 21000 | 208 | 100 | 21000 | 21 |
| actionButton |  | 1198 | 53 | 22000 | 82 | 40 | 22000 | 22 |

30-Day Unplanned Events page

Table 11 Visuals in 30-Day Unplanned Events

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 2000 | 944 | 32 | 1000 | 1 |
| textbox | 'State Header' | 224 | 96 | 3000 | 128 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 4000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 5000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 6000 | 544 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 1000 | 224 | 128 | 2000 | 6 |
|  |  | 0 | 496 | 15000 | 208 | 112 | 15000 | 7 |
| textbox | '' | 0 | 0 | 6000 | 200 | 40 | 25000 | 8 |
| shape | '2SD Line' | 0 | 79 | 11000 | 10 | 30 | 27000 | 9 |
| shape | '2SD Line' | 42 | 48 | 10000 | 17 | 32 | 28000 | 10 |
| textbox | '3SD Text' | 64 | 80 | 9000 | 144 | 32 | 29000 | 11 |
| textbox | 'Mean Text' | 67 | 48 | 8000 | 141 | 32 | 30000 | 12 |
| shape | '2SD Line' | 53 | 79 | 5000 | 10 | 30 | 31000 | 13 |
| shape | '2SD Line' | 20 | 79 | 4000 | 10 | 30 | 32000 | 14 |
| shape | '2SD Line' | 0 | 48 | 3000 | 17 | 32 | 33000 | 15 |
| shape | '2SD Line' | 25 | 48 | 2000 | 8 | 32 | 34000 | 16 |
| shape | '2SD Line' | 0 | 19 | 1000 | 63 | 31 | 35000 | 17 |
| shape | '2SD Line' | 36 | 79 | 0 | 10 | 30 | 36000 | 18 |
| textbox | '2SD Text' | 67 | 16 | 7000 | 141 | 32 | 37000 | 19 |
| slicer |  | 0 | 352 | 7000 | 208 | 64 | 7000 | 20 |
| card |  | 336 | 48 | 8000 | 64 | 48 | 8000 | 21 |
| card |  | 336 | 96 | 11000 | 64 | 48 | 9000 | 22 |
| card |  | 476 | 48 | 9000 | 64 | 48 | 10000 | 23 |
| card |  | 476 | 96 | 12000 | 64 | 48 | 11000 | 24 |
| card |  | 616 | 48 | 10000 | 64 | 48 | 12000 | 25 |
| card |  | 616 | 96 | 13000 | 64 | 48 | 13000 | 26 |
| textbox | 'Important:' | 0 | 624 | 14000 | 1280 | 96 | 14000 | 27 |
| clustered ColumnChart | 'Unplanned cardiac rehospitalisation within 30-days' | 224 | 152 | 16000 | 928 | 208 | 16000 | 28 |
| funnelPlotNCR | 'Rates of unplanned revascularisation within 30-days' | 224 | 368 | 17000 | 928 | 256 | 17000 | 29 |
| lineStacked ColumnComboChart | ' ' | 1152 | 152 | 18000 | 128 | 216 | 18000 | 30 |
| card |  | 756 | 96 | 22000 | 184 | 56 | 19000 | 31 |
| card |  | 756 | 48 | 19000 | 184 | 48 | 20000 | 32 |
| slicer |  | 0 | 224 | 20000 | 208 | 64 | 21000 | 33 |
| slicer |  | 0 | 288 | 21000 | 209 | 64 | 22000 | 34 |
| card |  | 1016 | 48 | 23000 | 152 | 48 | 23000 | 35 |
| card |  | 1016 | 96 | 24000 | 152 | 56 | 24000 | 36 |
| actionButton |  | 1198 | 53 | 25000 | 82 | 40 | 25000 | 37 |

30-Day Mortality page

Table 12 Visuals in 30-Day Mortality

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 2000 | 944 | 32 | 1000 | 1 |
| textbox | 'State Header' | 224 | 96 | 3000 | 128 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1160 | 0 | 4000 | 120 | 56 | 4000 | 3 |
| image |  | 0 | 0 | 5000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 6000 | 560 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 1000 | 224 | 128 | 2000 | 6 |
|  |  | 0 | 496 | 15000 | 208 | 112 | 15000 | 7 |
| textbox | '' | 0 | 0 | 6000 | 200 | 40 | 24000 | 8 |
| shape | '2SD Line' | 0 | 79 | 11000 | 10 | 30 | 26000 | 9 |
| shape | '2SD Line' | 42 | 48 | 10000 | 17 | 32 | 27000 | 10 |
| textbox | '3SD Text' | 64 | 80 | 9000 | 144 | 32 | 28000 | 11 |
| textbox | 'Mean Text' | 67 | 48 | 8000 | 141 | 32 | 29000 | 12 |
| shape | '2SD Line' | 53 | 79 | 5000 | 10 | 30 | 30000 | 13 |
| shape | '2SD Line' | 20 | 79 | 4000 | 10 | 30 | 31000 | 14 |
| shape | '2SD Line' | 0 | 48 | 3000 | 17 | 32 | 32000 | 15 |
| shape | '2SD Line' | 25 | 48 | 2000 | 8 | 32 | 33000 | 16 |
| shape | '2SD Line' | 0 | 19 | 1000 | 63 | 31 | 34000 | 17 |
| shape | '2SD Line' | 36 | 79 | 0 | 10 | 30 | 35000 | 18 |
| textbox | '2SD Text' | 67 | 16 | 7000 | 141 | 32 | 36000 | 19 |
| slicer |  | 0 | 352 | 7000 | 208 | 64 | 7000 | 20 |
| card |  | 336 | 40 | 8000 | 64 | 56 | 8000 | 21 |
| card |  | 336 | 96 | 11000 | 64 | 56 | 9000 | 22 |
| card |  | 478 | 44 | 9000 | 64 | 56 | 10000 | 23 |
| card |  | 478 | 96 | 12000 | 64 | 56 | 11000 | 24 |
| card |  | 620 | 44 | 10000 | 64 | 56 | 12000 | 25 |
| card |  | 620 | 96 | 13000 | 64 | 56 | 13000 | 26 |
| textbox | 'Important:' | 0 | 624 | 14000 | 1280 | 96 | 14000 | 27 |
| card |  | 762 | 96 | 19000 | 136 | 56 | 16000 | 28 |
| card |  | 762 | 44 | 16000 | 136 | 56 | 17000 | 29 |
| slicer |  | 0 | 224 | 17000 | 208 | 64 | 18000 | 30 |
| slicer |  | 0 | 288 | 18000 | 209 | 64 | 19000 | 31 |
| card |  | 976 | 44 | 20000 | 192 | 56 | 20000 | 32 |
| card |  | 976 | 96 | 21000 | 192 | 56 | 21000 | 33 |
| funnelPlotNCR | 'Rates of mortality within 30-days' | 224 | 160 | 23000 | 528 | 464 | 22000 | 34 |
| funnelPlotNCR | 'Rates of mortality without shock/OHCA within 30-days' | 752 | 160 | 22000 | 528 | 464 | 23000 | 35 |
| actionButton |  | 1198 | 53 | 24000 | 82 | 40 | 24000 | 36 |

30-Day MACE & MACCE page

Table 13 Visuals in 30-Day MACE & MACCE

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 2000 | 952 | 32 | 1000 | 1 |
| textbox | 'State Header' | 224 | 96 | 3000 | 128 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 4000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 5000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 6000 | 544 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 1000 | 224 | 128 | 2000 | 6 |
|  |  | 0 | 496 | 15000 | 208 | 112 | 16000 | 7 |
| textbox | '' | 0 | 0 | 6000 | 200 | 40 | 28000 | 8 |
| shape | '2SD Line' | 0 | 79 | 11000 | 10 | 30 | 30000 | 9 |
| shape | '2SD Line' | 42 | 48 | 10000 | 17 | 32 | 32000 | 10 |
| textbox | '3SD Text' | 64 | 80 | 9000 | 144 | 32 | 34000 | 11 |
| textbox | 'Mean Text' | 67 | 48 | 8000 | 141 | 32 | 36000 | 12 |
| shape | '2SD Line' | 53 | 79 | 5000 | 10 | 30 | 38000 | 13 |
| shape | '2SD Line' | 20 | 79 | 4000 | 10 | 30 | 39000 | 14 |
| shape | '2SD Line' | 0 | 48 | 3000 | 17 | 32 | 40000 | 15 |
| shape | '2SD Line' | 25 | 48 | 2000 | 8 | 32 | 41000 | 16 |
| shape | '2SD Line' | 0 | 19 | 1000 | 63 | 31 | 42000 | 17 |
| shape | '2SD Line' | 36 | 79 | 0 | 10 | 30 | 43000 | 18 |
| textbox | '2SD Text' | 67 | 16 | 7000 | 141 | 32 | 44000 | 19 |
| slicer |  | 0 | 352 | 7000 | 208 | 64 | 7000 | 20 |
| card |  | 336 | 35 | 8000 | 64 | 56 | 8000 | 21 |
| card |  | 336 | 91 | 11000 | 64 | 56 | 9000 | 22 |
| card |  | 425 | 35 | 9000 | 64 | 56 | 10000 | 23 |
| card |  | 425 | 91 | 12000 | 64 | 56 | 11000 | 24 |
| card |  | 515 | 35 | 10000 | 64 | 56 | 12000 | 25 |
| card |  | 515 | 91 | 13000 | 64 | 56 | 13000 | 26 |
| textbox | 'Important:' | 0 | 624 | 14000 | 1280 | 96 | 14000 | 27 |
| slicer |  | 0 | 224 | 16000 | 208 | 64 | 15000 | 28 |
| slicer |  | 0 | 288 | 17000 | 209 | 64 | 17000 | 29 |
| funnelPlotNCR | 'Rates of MACE within 30-days' | 224 | 160 | 19000 | 528 | 464 | 18000 | 30 |
| funnelPlotNCR | 'Rates of MACE within 30-days without shock/OHCA' | 752 | 160 | 18000 | 528 | 464 | 19000 | 31 |
| card |  | 604 | 35 | 21000 | 136 | 56 | 21000 | 32 |
| card |  | 765 | 15 | 23000 | 112 | 96 | 22000 | 33 |
| card |  | 604 | 91 | 22000 | 136 | 56 | 20000 | 34 |
| card |  | 765 | 71 | 24000 | 112 | 96 | 23000 | 35 |
| card |  | 903 | 35 | 25000 | 136 | 56 | 25000 | 36 |
| card |  | 1064 | 15 | 27000 | 112 | 96 | 26000 | 37 |
| card |  | 903 | 91 | 26000 | 136 | 56 | 24000 | 38 |
| card |  | 1064 | 71 | 28000 | 112 | 96 | 27000 | 39 |
| actionButton | 'MACCE button' | 0 | 424 | 20000 | 120 | 40 | 28000 | 40 |
| actionButton | 'MACE button' | 0 | 424 | 31000 | 120 | 40 | 29000 | 41 |
| funnelPlotNCR | 'Rates of MACCE within 30-days' | 224 | 160 | 30000 | 528 | 464 | 30000 | 42 |
| funnelPlotNCR | 'Rates of MACCE within 30-days without shock/OHCA' | 752 | 160 | 29000 | 528 | 464 | 31000 | 43 |
| actionButton |  | 1198 | 53 | 32000 | 82 | 40 | 32000 | 44 |

Risk factors page

Table 14 Visuals in Risk factors

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 29 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 50 | 2000 | 944 | 32 | 1000 | 1 |
| textbox | 'State Header' | 224 | 66 | 3000 | 128 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 4000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 5000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 6000 | 545 | 42 | 6000 | 5 |
| slicer |  | 0 | 96 | 1000 | 224 | 128 | 2000 | 6 |
| slicer |  | 0 | 352 | 7000 | 208 | 64 | 7000 | 7 |
| card |  | 336 | 17 | 8000 | 64 | 48 | 8000 | 8 |
| card |  | 335 | 60 | 11000 | 64 | 53 | 9000 | 9 |
| card |  | 476 | 17 | 9000 | 64 | 48 | 10000 | 10 |
| card |  | 475 | 60 | 12000 | 64 | 53 | 11000 | 11 |
| card |  | 616 | 17 | 10000 | 64 | 48 | 12000 | 12 |
| card |  | 615 | 60 | 13000 | 64 | 53 | 13000 | 13 |
| textbox | 'Important:' | 0 | 624 | 14000 | 1280 | 96 | 14000 | 14 |
| slicer |  | 0 | 224 | 15000 | 208 | 64 | 15000 | 15 |
| slicer |  | 0 | 288 | 16000 | 209 | 64 | 16000 | 16 |
| textbox | 'Data Notes:' | 0 | 515 | 17000 | 208 | 100 | 17000 | 17 |
| pivotTable | '' | 224 | 111 | 18000 | 815 | 513 | 18000 | 18 |
| pivotTable | '' | 1038 | 111 | 19000 | 241 | 509 | 19000 | 19 |
| card |  | 756 | 17 | 20000 | 169 | 48 | 20000 | 20 |
| card |  | 754 | 60 | 21000 | 169 | 53 | 21000 | 21 |
| card |  | 1001 | 17 | 22000 | 169 | 48 | 22000 | 22 |
| card |  | 998 | 60 | 23000 | 169 | 53 | 23000 | 23 |
| textbox |  | 275 | 111 | 24000 | 124 | 35 | 24000 | 24 |
| textbox |  | 1054 | 111 | 25000 | 124 | 35 | 25000 | 25 |
| textbox |  | 1237 | 111 | 26000 | 42 | 35 | 26000 | 26 |
| actionButton |  | 1198 | 53 | 27000 | 82 | 40 | 27000 | 27 |

Access Route page

Table 15 Visuals in Access Route

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 2000 | 944 | 32 | 1000 | 1 |
| textbox | 'State Header' | 224 | 96 | 3000 | 128 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 4000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 5000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 6000 | 544 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 1000 | 224 | 128 | 2000 | 6 |
| slicer |  | 0 | 352 | 7000 | 208 | 64 | 7000 | 7 |
| card |  | 336 | 48 | 8000 | 64 | 48 | 8000 | 8 |
| card |  | 336 | 96 | 11000 | 64 | 48 | 9000 | 9 |
| card |  | 514 | 48 | 9000 | 64 | 48 | 10000 | 10 |
| card |  | 514 | 96 | 12000 | 64 | 48 | 11000 | 11 |
| card |  | 693 | 48 | 10000 | 64 | 48 | 12000 | 12 |
| card |  | 693 | 96 | 13000 | 64 | 48 | 13000 | 13 |
| textbox | 'Important:' | 0 | 624 | 14000 | 1280 | 96 | 14000 | 14 |
| hundredPercent StackedColumnChart | 'Arterial access route' | 223 | 152 | 15000 | 919 | 364 | 15000 | 15 |
| hundredPercent StackedColumnChart | ' ' | 1142 | 183 | 16000 | 138 | 321 | 16000 | 16 |
| slicer |  | 0 | 224 | 17000 | 208 | 64 | 17000 | 17 |
| slicer |  | 0 | 288 | 18000 | 209 | 64 | 18000 | 18 |
| textbox | 'Data Notes:' | 0 | 515 | 19000 | 208 | 100 | 19000 | 19 |
| card |  | 871 | 48 | 20000 | 84 | 48 | 20000 | 20 |
| card |  | 1069 | 48 | 21000 | 87 | 48 | 21000 | 21 |
| card |  | 871 | 96 | 22000 | 84 | 47 | 22000 | 22 |
| card |  | 1069 | 96 | 23000 | 87 | 48 | 23000 | 23 |
| actionButton |  | 1198 | 53 | 24000 | 82 | 40 | 24000 | 24 |

Lesion Location & Lesion Procedure Success page

Table 16 Visuals in Lesion Location & Lesion Procedure Success

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 1000 | 944 | 32 | 2000 | 1 |
| textbox | 'State Header' | 224 | 96 | 2000 | 123 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 3000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 4000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 5000 | 448 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 6000 | 224 | 128 | 1000 | 6 |
|  |  | 0 | 496 | 17000 | 208 | 112 | 7000 | 7 |
| textbox | '' | 0 | 0 | 13000 | 200 | 40 | 4000 | 8 |
| shape | '2SD Line' | 0 | 79 | 22000 | 10 | 30 | 8000 | 9 |
| shape | '2SD Line' | 42 | 48 | 20000 | 17 | 32 | 11000 | 10 |
| textbox | '3SD Text' | 64 | 80 | 18000 | 144 | 32 | 15000 | 11 |
| textbox | 'Mean Text' | 67 | 48 | 16000 | 141 | 32 | 20000 | 12 |
| shape | '2SD Line' | 53 | 79 | 11000 | 10 | 30 | 24000 | 13 |
| shape | '2SD Line' | 20 | 79 | 9000 | 10 | 30 | 29000 | 14 |
| shape | '2SD Line' | 0 | 48 | 7000 | 17 | 32 | 32000 | 15 |
| shape | '2SD Line' | 25 | 48 | 5000 | 8 | 32 | 33000 | 16 |
| shape | '2SD Line' | 0 | 19 | 3000 | 63 | 31 | 34000 | 17 |
| shape | '2SD Line' | 36 | 79 | 1000 | 10 | 30 | 35000 | 18 |
| textbox | '2SD Text' | 67 | 16 | 14000 | 141 | 32 | 36000 | 19 |
| slicer |  | 0 | 224 | 9000 | 208 | 64 | 8000 | 20 |
| slicer |  | 0 | 288 | 8000 | 209 | 64 | 9000 | 21 |
| slicer |  | 0 | 352 | 7000 | 209 | 64 | 10000 | 22 |
| card |  | 352 | 40 | 10000 | 64 | 56 | 11000 | 23 |
| card |  | 352 | 96 | 13000 | 64 | 51 | 12000 | 24 |
| card |  | 520 | 40 | 11000 | 64 | 56 | 13000 | 25 |
| card |  | 520 | 96 | 14000 | 64 | 51 | 14000 | 26 |
| card |  | 688 | 40 | 12000 | 64 | 56 | 15000 | 27 |
| card |  | 688 | 96 | 15000 | 64 | 51 | 16000 | 28 |
| textbox | 'Important:' | 0 | 624 | 16000 | 1280 | 96 | 17000 | 29 |
| card |  | 856 | 40 | 18000 | 96 | 56 | 18000 | 30 |
| card |  | 856 | 99 | 19000 | 96 | 48 | 19000 | 31 |
| card |  | 1056 | 40 | 20000 | 112 | 56 | 20000 | 32 |
| card |  | 1056 | 99 | 21000 | 112 | 48 | 21000 | 33 |
| hundredPercent StackedColumnChart | 'Lesion Location' | 224 | 152 | 22000 | 904 | 232 | 22000 | 34 |
| hundredPercent StackedColumnChart |  | 1136 | 192 | 23000 | 144 | 192 | 23000 | 35 |
| clustered ColumnChart | 'Lesion Location' | 224 | 392 | 24000 | 904 | 232 | 24000 | 36 |
| clustered ColumnChart |  | 1136 | 440 | 25000 | 144 | 184 | 25000 | 37 |
| actionButton |  | 1198 | 53 | 26000 | 82 | 40 | 26000 | 38 |

Non-ACS and NSTEMI Length of stay (LOS) page

Table 17 Visuals in Non-ACS and NSTEMI Length of stay (LOS)

| Visual Type | Title | X | Y | Z | Width | Height | tabOrder | VisualIndex |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| textbox | 'National Header' | 224 | 48 | 0 | 80 | 32 |  | 0 |
| shape | 'National State Line' | 224 | 80 | 1000 | 944 | 32 | 2000 | 1 |
| textbox | 'State Header' | 224 | 96 | 2000 | 123 | 32 | 3000 | 2 |
| card | 'Date Time Card' | 1168 | 0 | 3000 | 113 | 53 | 4000 | 3 |
| image |  | 0 | 0 | 4000 | 192 | 96 | 5000 | 4 |
| textbox | 'Report Title' | 224 | 0 | 5000 | 448 | 48 | 6000 | 5 |
| slicer |  | 0 | 96 | 6000 | 224 | 128 | 1000 | 6 |
| slicer |  | 0 | 224 | 9000 | 208 | 64 | 7000 | 7 |
| slicer |  | 0 | 288 | 8000 | 209 | 64 | 8000 | 8 |
| slicer |  | 0 | 352 | 7000 | 209 | 64 | 9000 | 9 |
| card |  | 338 | 46 | 10000 | 64 | 51 | 10000 | 10 |
| card |  | 338 | 96 | 13000 | 64 | 51 | 11000 | 11 |
| card |  | 460 | 46 | 11000 | 64 | 51 | 12000 | 12 |
| card |  | 460 | 97 | 14000 | 64 | 51 | 13000 | 13 |
| card |  | 582 | 46 | 12000 | 64 | 51 | 14000 | 14 |
| card |  | 582 | 97 | 15000 | 64 | 51 | 15000 | 15 |
| textbox | 'Important:' | 0 | 624 | 16000 | 1280 | 96 | 16000 | 16 |
| textbox | 'Data Notes:' | 0 | 515 | 17000 | 208 | 100 | 17000 | 17 |
| card |  | 887 | 46 | 18000 | 125 | 51 | 18000 | 18 |
| card |  | 1071 | 46 | 19000 | 119 | 51 | 19000 | 19 |
| card |  | 888 | 97 | 20000 | 125 | 50 | 20000 | 20 |
| card |  | 1071 | 97 | 21000 | 119 | 50 | 21000 | 21 |
| hundredPercent StackedColumnChart | 'Non ACS Cases by days' | 207 | 156 | 22000 | 941 | 217 | 22000 | 22 |
| hundredPercent StackedColumnChart | 'NSTEMI Cases by days' | 207 | 373 | 23000 | 941 | 243 | 23000 | 23 |
| card |  | 704 | 46 | 24000 | 125 | 51 | 24000 | 24 |
| card |  | 704 | 96 | 25000 | 125 | 51 | 25000 | 25 |
| hundredPercent StackedColumnChart | 'Non ACS cases by days' | 1149 | 175 | 26000 | 131 | 145 | 26000 | 26 |
| hundredPercent StackedColumnChart | 'NSTEMI cases by days' | 1149 | 392 | 27000 | 131 | 173 | 27000 | 27 |
| actionButton |  | 1198 | 53 | 28000 | 82 | 40 | 28000 | 28 |

REPORT MEASURES

Measure dependency

The table below list all measures in the report along with the table name, dependency and reverse dependency.

Table 18 Report measures

| Measure Name | Table Name | Expression | Dependency | Reverse Dependency |
| --- | --- | --- | --- | --- |
| FunnelPlotState | Base Measures | // RLS filter LOOKUPVALUE (  'Restricted State'[State],  'Restricted State'[ID], SELECTEDVALUE ( 'dim Hospital'[State] ),  "ALL" ) | Measure: FunnelPlotState Table: dim Hospital Table: Restricted State Column: State (Table: dim Hospital) Column: ID (Table: Restricted State) Column: STATE (Table: Restricted State) | Measure: FunnelPlotState Measure: RestrictedHospital |
| RestrictedHospital | Base Measures | // RLS filter IF (  [FunnelPlotState] <> "ALL",  SELECTEDVALUE ( 'dim Hospital'[HospitalName] ),  "Restricted" ) | Measure: RestrictedHospital Table: dim Hospital Column: HospitalName (Table: dim Hospital) Measure: FunnelPlotState (Table: Base Measures) Table: dim Hospital Table: Restricted State Column: State (Table: dim Hospital) Column: ID (Table: Restricted State) Column: STATE (Table: Restricted State) | Measure: RestrictedHospital |
| RestrictedFlag | Base Measures | // RLS filter VAR Rstatevalue =  SELECTEDVALUE ( 'dim State'[STATE] ) RETURN  IF (  LOOKUPVALUE (  'Restricted State'[State],  'Restricted State'[State], Rstatevalue  ) <> "",  1,  BLANK ()) | Measure: RestrictedFlag Table: Restricted State Table: dim State Column: STATE (Table: Restricted State) Column: STATE (Table: dim State) | Measure: RestrictedFlag |
| CurrentState | Base Measures | // RLS filter VAR selected\_state =  INTERSECT ( VALUES ( 'dim State'[ID] ), VALUES ( 'Restricted State'[ID] ) ) VAR result =  IF ( SELECTEDVALUE ( 'dim Hospital'[State] ) IN selected\_state, "show" ) RETURN  result | Measure: CurrentState Table: dim Hospital Table: Restricted State Table: dim State Column: State (Table: dim Hospital) Column: ID (Table: Restricted State) Column: ID (Table: dim State) | Measure: CurrentState |
| Cardiac Rehospitalisation (%) | Base Measures | // Report 7 30-Day Unplanned Events VAR Numerator = [Cardiac rehospitalisation] VAR Denominator =  CALCULATE (  [Rows in DER],  'fact DER'[dis] <> 6,  NOT ( ISBLANK ( 'fact DER'[dis] ) )  ) VAR Result =  DIVIDE ( Numerator, Denominator, 0 ) RETURN  Result | Measure: Cardiac Rehospitalisation (%) Table: fact DER Column: dis (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: Cardiac rehospitalisation (Table: Base Measures) Table: fact DER Column: dis (Table: fact DER) Column: crh30any (Table: fact DER) Column: upc30any (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Cardiac Rehospitalisation (%) |
| Rows in DER | Base Measures | // Common top banner VAR table\_row\_count =  COUNTROWS ( 'fact DER' ) RETURN  IF ( ISBLANK ( table\_row\_count ), 0, table\_row\_count ) | Measure: Cardiac Rehospitalisation (%) Measure: Peri-PCI stroke (%) Measure: Major bleeding (ih)  Measure: Major bleeding (%) Measure: Major bleeding (%) Measure: Mortality(ih)(%)  Measure: Unplanned revascularisation Measure: Unplanned revascularisation (%) Measure: Unplanned revascularisation (%) Measure: Cardiac rehospitalisation Measure: Cardiac Rehospitalisation (%) Measure: Rows in DER without shock/ohca (D)  Measure: Mortality(ih) without shock/ohca (%) Measure: Mortality 30 day without shock/ohca (%) Measure: MACE 30 day without shock/ohca(%) Measure: MACCE 30 day without shock/ohca(%) Measure: MACCE (ih) without shock/ohca(%) Measure: MACE (ih) without shock/ohca(%) Measure: Mortality 30 day(%) Measure: MACE 30 day Measure: MACE 30 day (%) Measure: MACE 30 day without shock/ohca (N)  Measure: MACE 30 day without shock/ohca(%) Measure: MACE 30 day (%) Measure: MACCE 30 day Measure: MACCE 30 day (%) Measure: MACCE 30 day (%) Measure: MACCE 30 day without shock/ohca (N)  Measure: MACC | Measure: Rows in DER Measure: Cardiac Rehospitalisation (%) Measure: Peri-PCI stroke (%) Measure: Major bleeding (ih) Measure: Major bleeding (%) Measure: Major bleeding (%) Measure: Mortality(ih)(%) Measure: Unplanned revascularisation Measure: Unplanned revascularisation (%) Measure: Unplanned revascularisation (%) Measure: Cardiac rehospitalisation Measure: Cardiac Rehospitalisation (%) Measure: Rows in DER without shock/ohca (D) Measure: Mortality(ih) without shock/ohca (%) Measure: Mortality 30 day without shock/ohca (%) Measure: MACE 30 day without shock/ohca(%) Measure: MACCE 30 day without shock/ohca(%) Measure: MACCE (ih) without shock/ohca(%) Measure: MACE (ih) without shock/ohca(%) Measure: Mortality 30 day(%) Measure: MACE 30 day Measure: MACE 30 day (%) Measure: MACE 30 day without shock/ohca (N) Measure: MACE 30 day without shock/ohca(%) Measure: MACE 30 day (%) Measure: MACCE 30 day Measure: MACCE 30 day (%) Measure: MACCE 30 day (%) Measure: MACCE 30 day without shock/ohca (N) Measure: MACC... |
| Hospitals | Base Measures | // Common top banner VAR FormatValue =  DISTINCTCOUNT ( 'fact DER'[ncrhid] ) RETURN  IF ( ISBLANK ( FormatValue ), 0, FormatValue ) | Measure: Hospitals Table: fact DER Column: ncrhid (Table: fact DER) | Measure: Hospitals Measure: Report 1 Hospital Measure: Report 2 Hospital |
| Patients | Base Measures | // Common top banner VAR patientCount =  DISTINCTCOUNT ( 'fact DER'[ncr\_patientId] ) RETURN  IF ( ISBLANK ( patientCount ), 0, patientCount ) | Measure: Patients Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Patients Measure: Mortality(ih)(N) Measure: Mortality(ih)(%) Measure: Mortality(ih) without shock/ohca (N) Measure: Mortality(ih) without shock/ohca (%) Measure: Mortality 30 day Measure: Mortality 30 day(%) Measure: Mortality 30 day without shock/ohca (N) Measure: Mortality 30 day without shock/ohca (%) Measure: Report 1 Patient Measure: Report 2 Patient |
| Peri-PCI stroke (%) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality VAR Numerator = [Strokes (ih)] VAR Denominator = [Rows in DER] VAR result =  DIVIDE ( Numerator, Denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Peri-PCI stroke (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: Strokes (ih) (Table: Base Measures) Table: fact DER Column: ihstr (Table: fact DER) | Measure: Peri-PCI stroke (%) |
| Strokes (ih) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality VAR num\_strokes =  CALCULATE ( SUM ( 'fact DER'[ihstr] ) ) RETURN  IF ( ISBLANK ( num\_strokes ), 0, num\_strokes ) | Measure: Strokes (ih) Table: fact DER Column: ihstr (Table: fact DER) | Measure: Strokes (ih) Measure: Peri-PCI stroke (%) |
| Major bleeding (ih) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality VAR num\_bleeding =  CALCULATE ( [Rows in DER], 'fact DER'[ihbl] IN { 3, 4, 5, 7, 8 } ) VAR result =  IF ( ISBLANK ( num\_bleeding ), 0, num\_bleeding ) RETURN  result | Measure: Major bleeding (ih) Table: fact DER Column: ihbl (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Major bleeding (ih) Measure: Major bleeding (%) |
| Major bleeding (%) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality VAR Numerator = [Major bleeding (ih)] VAR Denominator = [Rows in DER] VAR result =  DIVIDE ( Numerator, Denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Major bleeding (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: Major bleeding (ih) (Table: Base Measures) Table: fact DER Column: ihbl (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Major bleeding (%) |
| Mortality(ih)(N) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality CALCULATE (  [Patients],  'fact DER'[ihmort] = 1 ) | Measure: Mortality(ih)(N) Table: fact DER Column: ihmort (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Mortality(ih)(N) Measure: Mortality(ih)(%) |
| Mortality(ih)(%) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality VAR Numerator = [Mortality(ih)(N)] VAR Denominator = [Rows in DER] VAR result =  DIVIDE ( Numerator, Denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Mortality(ih)(%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: Mortality(ih)(N) (Table: Base Measures) Table: fact DER Column: ihmort (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Mortality(ih)(%) |
| Mortality(ih) without shock/ohca (N) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality CALCULATE (  [Patients],  'fact DER'[ihmort] = 1,  'fact DER'[shocksohca] = 0  || ISBLANK ( 'fact DER'[shocksohca] ) ) | Measure: Mortality(ih) without shock/ohca (N) Table: fact DER Column: shocksohca (Table: fact DER) Column: ihmort (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Mortality(ih) without shock/ohca (N) Measure: Mortality(ih) without shock/ohca (%) |
| Mortality(ih) without shock/ohca (%) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality VAR numerator = [Mortality(ih) without shock/ohca (N)] VAR denominator = [Rows in DER without shock/ohca (D)] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Mortality(ih) without shock/ohca (%) Measure: Mortality(ih) without shock/ohca (N) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Column: ihmort (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) Measure: Rows in DER without shock/ohca (D) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Mortality(ih) without shock/ohca (%) |
| Unplanned revascularisation | Base Measures | // Report 7 30-Day Unplanned Events VAR revascularisations =  CALCULATE ( [Rows in DER], 'fact DER'[unprevasc30new] = 1 ) RETURN  IF ( ISBLANK ( revascularisations ), 0, revascularisations ) | Measure: Unplanned revascularisation Table: fact DER Column: unprevasc30new (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Unplanned revascularisation Measure: Unplanned revascularisation (%) |
| Unplanned revascularisation (%) | Base Measures | // Report 7 30-Day Unplanned Events VAR Numerator = [Unplanned revascularisation] VAR Denominator = [Rows in DER] VAR result =  DIVIDE ( Numerator, Denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Unplanned revascularisation (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: Unplanned revascularisation (Table: Base Measures) Table: fact DER Column: unprevasc30new (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Unplanned revascularisation (%) |
| Mortality 30 day | Base Measures | // Report 8 30-Day Mortality VAR numerator =  CALCULATE ( [Patients], 'fact DER'[mort30] = 1 ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: Mortality 30 day Table: fact DER Column: mort30 (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Mortality 30 day Measure: Mortality 30 day(%) |
| Cardiac rehospitalisation | Base Measures | // Report 7 30-Day Unplanned Events CALCULATE (  [Rows in DER],  'fact DER'[dis] <> 6,  'fact DER'[crh30any] = 1,  'fact DER'[upc30any] = 1 ) | Measure: Cardiac rehospitalisation Table: fact DER Column: dis (Table: fact DER) Column: crh30any (Table: fact DER) Column: upc30any (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Cardiac rehospitalisation Measure: Cardiac Rehospitalisation (%) |
| Rows in DER without shock/ohca (D) | Base Measures | // Report 3 In-Hospital Stroke, Major Bleeding and Mortality // Report 4 In-Hospital MACE & MACCE // Report 8 30-Day Mortality // Report 9 30-Day MACE & MACCE VAR denominator =  CALCULATE (  [Rows in DER],  'fact DER'[shocksohca] = 0  || ISBLANK ( 'fact DER'[shocksohca] )  ) VAR result =  IF ( ISBLANK ( denominator ), 0, denominator ) RETURN  result | Measure: Rows in DER without shock/ohca (D) Table: fact DER Column: shocksohca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Rows in DER without shock/ohca (D) Measure: Mortality(ih) without shock/ohca (%) Measure: Mortality 30 day without shock/ohca (%) Measure: MACE 30 day without shock/ohca(%) Measure: MACCE 30 day without shock/ohca(%) Measure: MACCE (ih) without shock/ohca(%) Measure: MACE (ih) without shock/ohca(%) |
| Mortality 30 day(%) | Base Measures | // Report 8 30-Day Mortality VAR numerator = [Mortality 30 day] VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator, 0 ) RETURN  result | Measure: Mortality 30 day(%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: Mortality 30 day (Table: Base Measures) Table: fact DER Column: mort30 (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Mortality 30 day(%) |
| Mortality 30 day without shock/ohca (N) | Base Measures | // Report 8 30-Day Mortality VAR numerator =  CALCULATE ( [Patients], 'fact DER'[mort30excshocksohca] = 1 ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: Mortality 30 day without shock/ohca (N) Table: fact DER Column: mort30excshocksohca (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Mortality 30 day without shock/ohca (N) Measure: Mortality 30 day without shock/ohca (%) |
| Mortality 30 day without shock/ohca (%) | Base Measures | // Report 8 30-Day Mortality VAR numerator = [Mortality 30 day without shock/ohca (N)] VAR denominator = [Rows in DER without shock/ohca (D)] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Mortality 30 day without shock/ohca (%) Measure: Rows in DER without shock/ohca (D) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: Mortality 30 day without shock/ohca (N) (Table: Base Measures) Table: fact DER Column: mort30excshocksohca (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) | Measure: Mortality 30 day without shock/ohca (%) |
| MACE 30 day | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[macenew] = 1 ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACE 30 day Table: fact DER Column: macenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE 30 day Measure: MACE 30 day (%) |
| MACE 30 day without shock/ohca (N) | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[shocksohca] = 0, 'fact DER'[macenew] = 1 ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACE 30 day without shock/ohca (N) Table: fact DER Column: shocksohca (Table: fact DER) Column: macenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE 30 day without shock/ohca (N) Measure: MACE 30 day without shock/ohca(%) |
| MACE 30 day (%) | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator = [MACE 30 day] VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), BLANK (), result ) | Measure: MACE 30 day (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACE 30 day (Table: Base Measures) Table: fact DER Column: macenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE 30 day (%) |
| MACE 30 day without shock/ohca(%) | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator = [MACE 30 day without shock/ohca (N)] VAR denominator = [Rows in DER without shock/ohca (D)] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), BLANK (), result ) | Measure: MACE 30 day without shock/ohca(%) Measure: Rows in DER without shock/ohca (D) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACE 30 day without shock/ohca (N) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Column: macenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE 30 day without shock/ohca(%) |
| MACCE 30 day | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[maccenew] = 1 ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACCE 30 day Table: fact DER Column: maccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE 30 day Measure: MACCE 30 day (%) |
| MACCE 30 day (%) | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator = [MACCE 30 day] VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), BLANK (), result ) | Measure: MACCE 30 day (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACCE 30 day (Table: Base Measures) Table: fact DER Column: maccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE 30 day (%) |
| MACCE 30 day without shock/ohca (N) | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator =  CALCULATE (  [Rows in DER],  'fact DER'[shocksohca] = 0,  'fact DER'[maccenew] = 1  ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACCE 30 day without shock/ohca (N) Table: fact DER Column: shocksohca (Table: fact DER) Column: maccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE 30 day without shock/ohca (N) Measure: MACCE 30 day without shock/ohca(%) |
| MACCE 30 day without shock/ohca(%) | Base Measures | // Report 9 30-Day MACE & MACCE VAR numerator = [MACCE 30 day without shock/ohca (N)] VAR denominator = [Rows in DER without shock/ohca (D)] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), BLANK (), result ) | Measure: MACCE 30 day without shock/ohca(%) Measure: Rows in DER without shock/ohca (D) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACCE 30 day without shock/ohca (N) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Column: maccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE 30 day without shock/ohca(%) |
| MACCE (ih) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[ihmaccenew] = 1 ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACCE (ih) Table: fact DER Column: ihmaccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE (ih) Measure: MACCE (ih) (%) |
| MACCE (ih) (%) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator = [MACCE (ih)] VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: MACCE (ih) (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACCE (ih) (Table: Base Measures) Table: fact DER Column: ihmaccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE (ih) (%) |
| MACCE (ih) without shock/ohca (N) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator =  CALCULATE (  [Rows in DER],  'fact DER'[shocksohca] = 0,  'fact DER'[ihmaccenew] = 1  ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACCE (ih) without shock/ohca (N) Table: fact DER Column: shocksohca (Table: fact DER) Column: ihmaccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE (ih) without shock/ohca (N) Measure: MACCE (ih) without shock/ohca(%) |
| MACCE (ih) without shock/ohca(%) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator = [MACCE (ih) without shock/ohca (N)] VAR denominator = [Rows in DER without shock/ohca (D)] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: MACCE (ih) without shock/ohca(%) Measure: Rows in DER without shock/ohca (D) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACCE (ih) without shock/ohca (N) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Column: ihmaccenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACCE (ih) without shock/ohca(%) |
| MACE (ih) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[ihmacenew] = 1 ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACE (ih) Table: fact DER Column: ihmacenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE (ih) Measure: MACE (ih) (%) |
| MACE (ih) without shock/ohca (N) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator =  CALCULATE (  [Rows in DER],  'fact DER'[shocksohca] = 0,  'fact DER'[ihmacenew] = 1  ) VAR result =  IF ( ISBLANK ( numerator ), 0, numerator ) RETURN  result | Measure: MACE (ih) without shock/ohca (N) Table: fact DER Column: shocksohca (Table: fact DER) Column: ihmacenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE (ih) without shock/ohca (N) Measure: MACE (ih) without shock/ohca(%) |
| MACE (ih) (%) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator = [MACE (ih)] VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: MACE (ih) (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACE (ih) (Table: Base Measures) Table: fact DER Column: ihmacenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE (ih) (%) |
| MACE (ih) without shock/ohca(%) | Base Measures | // Report 4 In-Hospital MACE & MACCE VAR numerator = [MACE (ih) without shock/ohca (N)] VAR denominator = [Rows in DER without shock/ohca (D)] VAR result =  DIVIDE ( numerator, denominator, BLANK () ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: MACE (ih) without shock/ohca(%) Measure: Rows in DER without shock/ohca (D) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: MACE (ih) without shock/ohca (N) (Table: Base Measures) Table: fact DER Column: shocksohca (Table: fact DER) Column: ihmacenew (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: MACE (ih) without shock/ohca(%) |
| alllesionsuccess | Base Measures | // Report 12 Lesion Location & Lesion Procedure Success VAR a\_table =  CALCULATETABLE (  'fact DER',  'fact DER'[lr1\_lst] = 1,  'fact DER'[lr2\_lst] = 1  || ISBLANK ( 'fact DER'[lr2\_lst] ),  'fact DER'[lr3\_lst] = 1  || ISBLANK ( 'fact DER'[lr3\_lst] ),  'fact DER'[lr4\_lst] = 1  || ISBLANK ( 'fact DER'[lr4\_lst] ),  'fact DER'[lr5\_lst] = 1  || ISBLANK ( 'fact DER'[lr5\_lst] )  ) VAR a\_normal =  CALCULATE (  [Rows in DER],  'fact DER'[lr1\_lst] = 1,  'fact DER'[lr2\_lst] = 1  || ISBLANK ( 'fact DER'[lr2\_lst] ),  'fact DER'[lr3\_lst] = 1  || ISBLANK ( 'fact DER'[lr3\_lst] ),  'fact DER'[lr4\_lst] = 1  || ISBLANK ( 'fact DER'[lr4\_lst] ),  'fact DER'[lr5\_lst] = 1  || ISBLANK ( 'fact DER'[lr5\_lst] )  ) RETURN  a\_normal | Measure: alllesionsuccess Table: fact DER Column: lr1\_lst (Table: fact DER) Column: lr2\_lst (Table: fact DER) Column: lr3\_lst (Table: fact DER) Column: lr4\_lst (Table: fact DER) Column: lr5\_lst (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: alllesionsuccess Measure: alllesionsucess(%) |
| alllesionsucess(%) | Base Measures | // Report 12 Lesion Location & Lesion Procedure Success VAR calc =  DIVIDE ( [alllesionsuccess], [Rows in DER], 0 ) VAR result =  IF ( ISBLANK ( calc ), 0, calc ) RETURN  result | Measure: alllesionsucess(%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: alllesionsuccess (Table: Base Measures) Table: fact DER Column: lr1\_lst (Table: fact DER) Column: lr2\_lst (Table: fact DER) Column: lr3\_lst (Table: fact DER) Column: lr4\_lst (Table: fact DER) Column: lr5\_lst (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: alllesionsucess(%) |
| procedure\_success | Base Measures | // Report 12 Lesion Location & Lesion Procedure Success VAR alllesion\_table =  CALCULATETABLE (  'fact DER',  'fact DER'[lr1\_lst] = 1,  'fact DER'[lr2\_lst] = 1  || ISBLANK ( 'fact DER'[lr2\_lst] ),  'fact DER'[lr3\_lst] = 1  || ISBLANK ( 'fact DER'[lr3\_lst] ),  'fact DER'[lr4\_lst] = 1  || ISBLANK ( 'fact DER'[lr4\_lst] ),  'fact DER'[lr5\_lst] = 1  || ISBLANK ( 'fact DER'[lr5\_lst] )  ) VAR sigcomplication\_table =  CALCULATETABLE ( 'fact DER', 'fact DER'[sigcomplication] = 0 ) VAR result =  COUNTROWS ( INTERSECT ( alllesion\_table, sigcomplication\_table ) ) RETURN  result | Measure: procedure\_success Table: fact DER Column: lr1\_lst (Table: fact DER) Column: lr2\_lst (Table: fact DER) Column: lr3\_lst (Table: fact DER) Column: lr4\_lst (Table: fact DER) Column: lr5\_lst (Table: fact DER) Column: sigcomplication (Table: fact DER) | Measure: procedure\_success Measure: procedure\_success (%) |
| procedure\_success (%) | Base Measures | // Report 12 Lesion Location & Lesion Procedure Success VAR calc =  DIVIDE ( [procedure\_success], [Rows in DER] ) VAR result =  IF ( ISBLANK ( calc ), 0, calc ) RETURN  result | Measure: procedure\_success (%) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: procedure\_success (Table: Base Measures) Table: fact DER Column: lr1\_lst (Table: fact DER) Column: lr2\_lst (Table: fact DER) Column: lr3\_lst (Table: fact DER) Column: lr4\_lst (Table: fact DER) Column: lr5\_lst (Table: fact DER) Column: sigcomplication (Table: fact DER) | Measure: procedure\_success (%) |
| Report 1 Hospital | Base Measures | // Report 1 Primary PCI for STEMI FMC-ECG CALCULATE (  [Hospitals],  'fact DER'[pci] = 1,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[iht] = 0,  'fact DER'[inp] = 0  || ISBLANK ( 'fact DER'[inp] ),  'fact DER'[s2d] > 0,  'fact DER'[s2d] < 720,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ) ) | Measure: Report 1 Hospital Table: fact DER Column: iht (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Hospitals (Table: Base Measures) Table: fact DER Column: ncrhid (Table: fact DER) Column: s2d (Table: fact DER) | Measure: Report 1 Hospital |
| Report 1 Patient | Base Measures | // Report 1 Primary PCI for STEMI FMC-ECG CALCULATE (  [Patients],  'fact DER'[pci] = 1,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[iht] = 0,  'fact DER'[inp] = 0  || ISBLANK ( 'fact DER'[inp] ),  'fact DER'[s2d] > 0,  'fact DER'[s2d] < 720,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ) ) | Measure: Report 1 Patient Table: fact DER Column: iht (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) Column: s2d (Table: fact DER) | Measure: Report 1 Patient |
| Report 1 PCI | Base Measures | // Report 1 Primary PCI for STEMI FMC-ECG CALCULATE (  [Rows in DER],  'fact DER'[pci] = 1,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[iht] = 0,  'fact DER'[inp] = 0  || ISBLANK ( 'fact DER'[inp] ),  'fact DER'[s2d] > 0,  'fact DER'[s2d] < 720,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ) ) | Measure: Report 1 PCI Table: fact DER Column: iht (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) | Measure: Report 1 PCI |
| Median FMC to reperfusion | Base Measures | // Report 1 Primary PCI for STEMI FMC-ECG VAR filter\_table =  CALCULATETABLE (  'fact DER',  'fact DER'[pci] = 1,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[iht] = 0,  'fact DER'[inp] = 0  || ISBLANK ( 'fact DER'[inp] ),  'fact DER'[s2d] > 0,  'fact DER'[s2d] < 720,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[fmctr] > 0  ) VAR fmctr\_300\_table =  ADDCOLUMNS (  filter\_table,  "fmctr\_300", IF ( 'fact DER'[fmctr] > 300, 300, 'fact DER'[fmctr] )  ) VAR new\_result =  CALCULATE ( MEDIANX ( fmctr\_300\_table, [fmctr\_300] ), filter\_table ) RETURN  new\_result | Measure: Median FMC to reperfusion Table: fact DER Column: iht (Table: fact DER) Column: fmctr (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Column: s2d (Table: fact DER) | Measure: Median FMC to reperfusion |
| Median ECG to reperfusion | Base Measures | // Report 1 Primary PCI for STEMI FMC-ECG VAR base\_table =  CALCULATETABLE (  'fact DER',  'fact DER'[pci] = 1,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[iht] = 0,  'fact DER'[inp] = 0  || ISBLANK ( 'fact DER'[inp] ),  'fact DER'[s2d] > 0,  'fact DER'[s2d] < 720,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[ecgdb] > 0  ) VAR new\_table =  ADDCOLUMNS (  base\_table,  "ecgdb\_300", IF ( 'fact DER'[ecgdb] > 300, 300, 'fact DER'[ecgdb] )  ) VAR new\_result =  CALCULATE ( MEDIANX ( new\_table, [ecgdb\_300] ), base\_table ) RETURN  new\_result | Measure: Median ECG to reperfusion Table: fact DER Column: iht (Table: fact DER) Column: ecgdb (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Column: s2d (Table: fact DER) | Measure: Median ECG to reperfusion |
| Report 2 Hospital | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes CALCULATE (  [Hospitals],  'fact DER'[pci] = 1,  'fact DER'[iht] = 0,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[inp] = 0,  'fact DER'[s2d] >= 0,  'fact DER'[s2d] < 721,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[dbdt] > 0 ) | Measure: Report 2 Hospital Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Hospitals (Table: Base Measures) Table: fact DER Column: ncrhid (Table: fact DER) Column: s2d (Table: fact DER) | Measure: Report 2 Hospital |
| Report 2 Patient | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes CALCULATE (  [Patients],  'fact DER'[pci] = 1,  'fact DER'[iht] = 0,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[inp] = 0,  'fact DER'[s2d] >= 0,  'fact DER'[s2d] < 721,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[dbdt] > 0 ) | Measure: Report 2 Patient Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Patients (Table: Base Measures) Table: fact DER Column: ncr\_patientId (Table: fact DER) Column: s2d (Table: fact DER) | Measure: Report 2 Patient |
| Report 2 PCI | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes CALCULATE (  [Rows in DER],  'fact DER'[pci] = 1,  'fact DER'[iht] = 0,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[inp] = 0,  'fact DER'[s2d] >= 0,  'fact DER'[s2d] < 721,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[dbdt] > 0 ) | Measure: Report 2 PCI Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) | Measure: Report 2 PCI Measure: Cases <90 min Door Measure: Count hospitals meet target Measure: Target 75% ≤ 90 |
| Report 2 dbdt <90 | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes CALCULATE (  [Rows in DER],  'fact DER'[pci] = 1,  'fact DER'[iht] = 0,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[inp] = 0,  'fact DER'[s2d] >= 0,  'fact DER'[s2d] < 721,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[dbdt] > 0,  'fact DER'[dbdt] <= 90 ) | Measure: Report 2 dbdt <90 Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) | Measure: Report 2 dbdt <90 Measure: Cases <90 min Door Measure: Count hospitals meet target Measure: Target 75% ≤ 90 |
| Cases <90 min Door | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes DIVIDE (  [Report 2 dbdt <90],  [Report 2 PCI],  0 ) | Measure: Cases <90 min Door Measure: Report 2 PCI (Table: Base Measures) Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) Measure: Report 2 dbdt <90 (Table: Base Measures) Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) | Measure: Cases <90 min Door Measure: Count hospitals meet target Measure: Target 75% ≤ 90 |
| Count hospitals meet target | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes VAR base\_table =  ADDCOLUMNS (  SUMMARIZE (  CALCULATETABLE (  'fact DER',  'fact DER'[pci] = 1,  'fact DER'[iht] = 0,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[inp] = 0,  'fact DER'[s2d] >= 0,  'fact DER'[s2d] < 721,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[dbdt] > 0  ),  'fact DER'[ncrhid]  ),  "cases", [Cases <90 min Door]  ) VAR filter\_table =  FILTER ( base\_table, [cases] > .75 ) VAR result =  COUNTROWS ( filter\_table ) RETURN  result | Measure: Count hospitals meet target Table: fact DER Column: ncrhid (Table: fact DER) Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Column: s2d (Table: fact DER) Measure: Cases <90 min Door (Table: Base Measures) Measure: Report 2 PCI (Table: Base Measures) Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) Measure: Report 2 dbdt <90 (Table: Base Measures) Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) | Measure: Count hospitals meet target |
| Report 2 Median dbdt | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes VAR base\_table =  CALCULATETABLE (  'fact DER',  'fact DER'[pci] = 1,  'fact DER'[iht] = 0,  NOT ( ISBLANK ( 'fact DER'[iht] ) ),  'fact DER'[inp] = 0,  'fact DER'[s2d] >= 0,  'fact DER'[s2d] < 721,  NOT ( ISBLANK ( 'fact DER'[s2d] ) ),  'fact DER'[dbdt] > 0  ) VAR new\_table =  ADDCOLUMNS (  base\_table,  "dbdt\_300", IF ( 'fact DER'[dbdt] > 300, 300, 'fact DER'[dbdt] )  ) VAR new\_result =  CALCULATE ( MEDIANX ( new\_table, [dbdt\_300] ), base\_table ) RETURN  new\_result | Measure: Report 2 Median dbdt Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Column: s2d (Table: fact DER) | Measure: Report 2 Median dbdt |
| Target 75% ≤ 90 | Base Measures | // Report 2 Primary PCI for STEMI DBT ≤ 90 minutes IF (  [Cases <90 min Door] = 0,  BLANK (),  0.75 ) | Measure: Target 75% ≤ 90 Measure: Cases <90 min Door (Table: Base Measures) Measure: Report 2 PCI (Table: Base Measures) Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) Measure: Report 2 dbdt <90 (Table: Base Measures) Table: fact DER Column: iht (Table: fact DER) Column: dbdt (Table: fact DER) Column: inp (Table: fact DER) Column: pci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: s2d (Table: fact DER) | Measure: Target 75% ≤ 90 |
| crehab\_count | Base Measures | // Report 6 Rehab Referral CALCULATE (  [Rows in DER],  'fact DER'[crehab] = 1,  'fact DER'[dis] < 6 ) | Measure: crehab\_count Table: fact DER Column: dis (Table: fact DER) Column: crehab (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: crehab\_count Measure: Cardiac Rehabilitation |
| crehab\_denom | Base Measures | // Report 6 Rehab Referral CALCULATE (  [Rows in DER],  NOT ( ISBLANK ( 'fact DER'[crehab] ) ) ) | Measure: crehab\_denom Table: fact DER Column: crehab (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: crehab\_denom Measure: Cardiac Rehabilitation |
| Cardiac Rehabilitation | Base Measures | // Report 6 Rehab Referral DIVIDE ( [crehab\_count], [crehab\_denom] ) | Measure: Cardiac Rehabilitation Measure: crehab\_count (Table: Base Measures) Table: fact DER Column: dis (Table: fact DER) Column: crehab (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: crehab\_denom (Table: Base Measures) Table: fact DER Column: crehab (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Cardiac Rehabilitation |
| Mean LOS | Base Measures | // Report 13 Non-ACS and NSTEMI Length of stay (LOS) VAR base\_table =  CALCULATETABLE ( 'fact DER', NOT ( ISBLANK ( 'fact DER'[conditional\_los] ) ) ) VAR result =  CALCULATE ( AVERAGE ( 'fact DER'[conditional\_los] ), base\_table ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Mean LOS Table: fact DER Column: conditional\_los (Table: fact DER) | Measure: Mean LOS |
| Report 5 PCI (lltgp) | Base Measures | // Report 5 Discharge Medication CALCULATE (  [Rows in DER],  NOT ( ISBLANK ( 'fact DER'[dstp] ) ) || NOT ( ISBLANK ( 'fact DER'[doll] ) ) ) | Measure: Report 5 PCI (lltgp) Table: fact DER Column: dstp (Table: fact DER) Column: doll (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Report 5 PCI (lltgp) Measure: lltgp (%) |
| lltpg | Base Measures | // Report 5 Discharge Medication CALCULATE (  [Rows in DER],  'fact DER'[dis] < 6,  'fact DER'[dstp] = 1  || 'fact DER'[doll] = 1 ) | Measure: lltpg Table: fact DER Column: dis (Table: fact DER) Column: dstp (Table: fact DER) Column: doll (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: lltpg Measure: lltgp (%) |
| lltgp (%) | Base Measures | // Report 5 Discharge Medication DIVIDE ( [lltpg], [Report 5 PCI (lltgp)] ) | Measure: lltgp (%) Measure: Report 5 PCI (lltgp) (Table: Base Measures) Table: fact DER Column: dstp (Table: fact DER) Column: doll (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: lltpg (Table: Base Measures) Table: fact DER Column: dis (Table: fact DER) Column: dstp (Table: fact DER) Column: doll (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: lltgp (%) |
| Report 5 PCI (daptgp) | Base Measures | // Report 5 Discharge Medication CALCULATE (  [Rows in DER],  NOT ( ISBLANK ( 'fact DER'[dasp] ) ) || NOT ( ISBLANK ( 'fact DER'[doap] ) ) ) | Measure: Report 5 PCI (daptgp) Table: fact DER Column: dasp (Table: fact DER) Column: doap (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Report 5 PCI (daptgp) Measure: daptgp (%) |
| daptgp | Base Measures | // Report 5 Discharge Medication CALCULATE (  [Rows in DER],  'fact DER'[dis] < 6,  'fact DER'[dasp] = 1  || 'fact DER'[doap] = 1 ) | Measure: daptgp Table: fact DER Column: dis (Table: fact DER) Column: dasp (Table: fact DER) Column: doap (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: daptgp Measure: daptgp (%) |
| daptgp (%) | Base Measures | // Report 5 Discharge Medication DIVIDE ( [daptgp], [Report 5 PCI (daptgp)] ) | Measure: daptgp (%) Measure: Report 5 PCI (daptgp) (Table: Base Measures) Table: fact DER Column: dasp (Table: fact DER) Column: doap (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER Measure: daptgp (Table: Base Measures) Table: fact DER Column: dis (Table: fact DER) Column: dasp (Table: fact DER) Column: doap (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: daptgp (%) |
| Gender -female | Base Measures | // Report 10 Risk factors VAR num\_female =  CALCULATE ( [Rows in DER], 'dim Sex'[ID] = 2 ) VAR result =  DIVIDE ( num\_female, [Rows in DER] ) \* 100 RETURN  result | Measure: Gender -female Table: dim Sex Column: ID (Table: dim Sex) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Gender -female |
| Age - Mean | Base Measures | // Report 10 Risk factors AVERAGE ( 'fact DER'[age] ) | Measure: Age - Mean Table: fact DER Column: age (Table: fact DER) | Measure: Age - Mean |
| Age - Median | Base Measures | // Report 10 Risk factors MEDIAN ( 'fact DER'[age] ) | Measure: Age - Median Table: fact DER Column: age (Table: fact DER) | Measure: Age - Median |
| Previous PCI (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[ppci] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: Previous PCI (%) Table: fact DER Column: ppci (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Previous PCI (%) |
| BMIUnderweight (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'dim BMI\_Groups'[bmi\_id] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: BMIUnderweight (%) Table: dim BMI\_Groups Column: bmi\_id (Table: dim BMI\_Groups) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: BMIUnderweight (%) |
| BMINormal (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'dim BMI\_Groups'[bmi\_id] = 2 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: BMINormal (%) Table: dim BMI\_Groups Column: bmi\_id (Table: dim BMI\_Groups) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: BMINormal (%) |
| BMIOverweight (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'dim BMI\_Groups'[bmi\_id] = 3 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: BMIOverweight (%) Table: dim BMI\_Groups Column: bmi\_id (Table: dim BMI\_Groups) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: BMIOverweight (%) |
| BMIObese (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'dim BMI\_Groups'[bmi\_id] = 4 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: BMIObese (%) Table: dim BMI\_Groups Column: bmi\_id (Table: dim BMI\_Groups) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: BMIObese (%) |
| EGFRGreaterThan60 | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[egfr] > 60 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: EGFRGreaterThan60 Table: fact DER Column: egfr (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: EGFRGreaterThan60 |
| EGFRBetween31And60 | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[egfr] >= 31, 'fact DER'[egfr] <= 60 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: EGFRBetween31And60 Table: fact DER Column: egfr (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: EGFRBetween31And60 |
| EGFRLessThanThirty | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE (  [Rows in DER],  'fact DER'[egfr] <= 30,  NOT ( ISBLANK ( 'fact DER'[egfr] ) )  ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: EGFRLessThanThirty Table: fact DER Column: egfr (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: EGFRLessThanThirty |
| EFNormal (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[ef] >= 50 || 'fact DER'[efes] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: EFNormal (%) Table: fact DER Column: ef (Table: fact DER) Column: efes (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: EFNormal (%) |
| EFMild (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE (  [Rows in DER],  ( 'fact DER'[ef] >= 45  && 'fact DER'[ef] < 50 )  || 'fact DER'[efes] = 2  ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: EFMild (%) Table: fact DER Column: ef (Table: fact DER) Column: efes (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: EFMild (%) |
| EFModerate (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE (  [Rows in DER],  ( 'fact DER'[ef] >= 35  && 'fact DER'[ef] < 45 )  || 'fact DER'[efes] = 3  ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: EFModerate (%) Table: fact DER Column: ef (Table: fact DER) Column: efes (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: EFModerate (%) |
| EFSevere (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE (  [Rows in DER],  (  NOT ( ISBLANK ( 'fact DER'[ef] ) )  && 'fact DER'[ef] < 35  )  || 'fact DER'[efes] = 4  ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: EFSevere (%) Table: fact DER Column: ef (Table: fact DER) Column: efes (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: EFSevere (%) |
| Cardiogenic Shock (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[shock] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: Cardiogenic Shock (%) Table: fact DER Column: shock (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Cardiogenic Shock (%) |
| Out of hospital cardiac arrest (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[oca] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: Out of hospital cardiac arrest (%) Table: fact DER Column: oca (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Out of hospital cardiac arrest (%) |
| Preprocedural intubation (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[pint] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: Preprocedural intubation (%) Table: fact DER Column: pint (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Preprocedural intubation (%) |
| Procedural Intubation required (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[pintr] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: Procedural Intubation required (%) Table: fact DER Column: pintr (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Procedural Intubation required (%) |
| Diabetes | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[db] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: Diabetes Table: fact DER Column: db (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Diabetes |
| Previous CABG (%) | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[pcabg] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: Previous CABG (%) Table: fact DER Column: pcabg (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: Previous CABG (%) |
| PVD History | Base Measures | // Report 10 Risk factors VAR numerator =  CALCULATE ( [Rows in DER], 'fact DER'[pvd1] = 1 || 'fact DER'[pvd2] = 1 ) VAR denominator = [Rows in DER] VAR result =  DIVIDE ( numerator, denominator ) \* 100 RETURN  result | Measure: PVD History Table: fact DER Column: pvd1 (Table: fact DER) Column: pvd2 (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: PVD History |
| AGE (Years) | Base Measures | // Report 10 Risk factors BLANK () | Measure: AGE (Years) | Measure: AGE (Years) |
| PROFILE | Base Measures | // Report 10 Risk factors BLANK () | Measure: PROFILE | Measure: PROFILE |
| BMI (kg/m2) | Base Measures | // Report 10 Risk factors BLANK () | Measure: BMI (kg/m2) | Measure: BMI (kg/m2) |
| EGFR (ml/min/1.73 m2) | Base Measures | // Report 10 Risk factors BLANK () | Measure: EGFR (ml/min/1.73 m2) | Measure: EGFR (ml/min/1.73 m2) |
| LVEF | Base Measures | // Report 10 Risk factors BLANK () | Measure: LVEF | Measure: LVEF |
| OTHER | Base Measures | // Report 10 Risk factors BLANK () | Measure: OTHER | Measure: OTHER |
| Femoral % | Base Measures | // Report 11 Access Route VAR numerator =  CALCULATE (  [Rows in DER],  NOT ( ISBLANK ( 'fact DER'[access\_route] ) ),  'fact DER'[access\_route] IN { "Femoral" }  ) VAR denominator =  CALCULATE ( [Rows in DER], NOT ( 'fact DER'[access\_route] IN { "Blank pel" } ) ) VAR result =  DIVIDE ( numerator, denominator, 0 ) RETURN  result | Measure: Femoral % Table: fact DER Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: access\_route (Table: fact DER) | Measure: Femoral % |
| Radial % | Base Measures | // Report 11 Access Route VAR numerator =  CALCULATE (  [Rows in DER],  NOT ( ISBLANK ( 'fact DER'[access\_route] ) ),  'fact DER'[access\_route] IN { "Radial" }  ) VAR denominator =  CALCULATE ( [Rows in DER], NOT ( 'fact DER'[access\_route] IN { "Blank pel" } ) ) VAR result =  DIVIDE ( numerator, denominator, 0 ) RETURN  result | Measure: Radial % Table: fact DER Measure: Rows in DER (Table: Base Measures) Table: fact DER Column: access\_route (Table: fact DER) | Measure: Radial % |
| non ACS cases | Base Measures | // Report 13 Non-ACS and NSTEMI Length of stay (LOS) CALCULATE (  [Rows in DER],  NOT ( ISBLANK ( 'fact DER'[los] ) ),  'fact DER'[dis] <> 6,  'fact DER'[acs] = 0 ) | Measure: non ACS cases Table: fact DER Column: acs (Table: fact DER) Column: dis (Table: fact DER) Column: los (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: non ACS cases |
| Mean Non ACS LOS (Days) | Base Measures | // Report 13 Non-ACS and NSTEMI Length of stay (LOS) VAR base\_table =  CALCULATETABLE (  'fact DER',  NOT ( ISBLANK ( 'fact DER'[los] ) ),  'fact DER'[dis] <> 6,  'fact DER'[acs] = 0  ) VAR result =  CALCULATE ( AVERAGE ( 'fact DER'[los] ), base\_table ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Mean Non ACS LOS (Days) Table: fact DER Column: acs (Table: fact DER) Column: dis (Table: fact DER) Column: los (Table: fact DER) | Measure: Mean Non ACS LOS (Days) |
| NSTEMI cases | Base Measures | // Report 13 Non-ACS and NSTEMI Length of stay (LOS) CALCULATE (  [Rows in DER],  NOT ( ISBLANK ( 'fact DER'[los] ) ),  'fact DER'[dis] <> 6,  'fact DER'[acst] = 2 ) | Measure: NSTEMI cases Table: fact DER Column: acst (Table: fact DER) Column: dis (Table: fact DER) Column: los (Table: fact DER) Measure: Rows in DER (Table: Base Measures) Table: fact DER | Measure: NSTEMI cases |
| Mean NSTEMI LOS (Days) | Base Measures | // Report 13 Non-ACS and NSTEMI Length of stay (LOS) VAR base\_table =  CALCULATETABLE (  'fact DER',  NOT ( ISBLANK ( 'fact DER'[los] ) ),  'fact DER'[dis] <> 6,  'fact DER'[acst] = 2  ) VAR result =  CALCULATE ( AVERAGE ( 'fact DER'[los] ), base\_table ) RETURN  IF ( ISBLANK ( result ), 0, result ) | Measure: Mean NSTEMI LOS (Days) Table: fact DER Column: acst (Table: fact DER) Column: dis (Table: fact DER) Column: los (Table: fact DER) | Measure: Mean NSTEMI LOS (Days) |
| Last data update | FileLog | MAX ( FileLog[CreatedOn] ) | Measure: Last data update Table: FileLog Column: CreatedOn (Table: FileLog) | Measure: Last data update |

Measures and columns used in visuals

The following table provides a cross reference of all measures and columns used in visuals. The page and visual index are found in Table 1 and Report Visuals.

Table 19 Measures and columns used in visuals

| Name | Table Name | Expression | Visual Index | Page Index |
| --- | --- | --- | --- | --- |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 0 |
| Date | Calendar | Calendar.Date | 6 | 0 |
| Date | Calendar | Calendar.Date | 6 | 0 |
| STATE1 | dim State | dim State.STATE1 | 20 | 0 |
| STATE1 | dim State | dim State.STATE1 | 20 | 0 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 21 | 0 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 21 | 0 |
| Gender | dim Sex | dim Sex.Gender | 22 | 0 |
| Gender | dim Sex | dim Sex.Gender | 22 | 0 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 23 | 0 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 24 | 0 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 25 | 0 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 26 | 0 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 27 | 0 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 28 | 0 |
| Peri | Base Measures | Base Measures.Peri-PCI stroke (%) (DER) | 29 | 0 |
| Peri | Base Measures | Base Measures.Peri-PCI stroke (%) (DER) | 30 | 0 |
| Major bleeding | Base Measures | Base Measures.Major bleeding (%) (DER) | 31 | 0 |
| Major bleeding | Base Measures | Base Measures.Major bleeding (%) (DER) | 32 | 0 |
| Mortality | Base Measures | Base Measures.Mortality (%) (DER) | 33 | 0 |
| Mortality | Base Measures | Base Measures.Mortality (%) (DER) | 34 | 0 |
| Mortality without shock | Base Measures | Base Measures.Mortality without shock/ohca (%) (DER) | 35 | 0 |
| Mortality without shock | Base Measures | Base Measures.Mortality without shock/ohca (%) (DER) | 36 | 0 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 2 |
| Date | Calendar | Calendar.Date | 6 | 2 |
| STATE1 | dim State | dim State.STATE1 | 7 | 2 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 8 | 2 |
| Gender | dim Sex | dim Sex.Gender | 9 | 2 |
| Report 1 Hospital | Base Measures | Base Measures.Report 1 Hospital | 10 | 2 |
| Report 1 Hospital | Base Measures | Base Measures.Report 1 Hospital | 11 | 2 |
| Report 1 Patient | Base Measures | Base Measures.Report 1 Patient | 12 | 2 |
| Report 1 Patient | Base Measures | Base Measures.Report 1 Patient | 13 | 2 |
| Report 1 PCI | Base Measures | Base Measures.Report 1 PCI | 14 | 2 |
| Report 1 PCI | Base Measures | Base Measures.Report 1 PCI | 15 | 2 |
| Report 1 Median FMC to reperfusion | Base Measures | Base Measures.Report 1 Median FMC to reperfusion | 17 | 2 |
| Report 1 Median FMC to reperfusion | Base Measures | Base Measures.Report 1 Median FMC to reperfusion | 18 | 2 |
| Report 1 Median ECG to reperfusion | Base Measures | Base Measures.Report 1 Median ECG to reperfusion | 19 | 2 |
| Report 1 Median ECG to reperfusion | Base Measures | Base Measures.Report 1 Median ECG to reperfusion | 20 | 2 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 21 | 2 |
| STATE | dim State | dim State.STATE | 21 | 2 |
| NCRPatientId | dim Patient | dim Patient.NCRPatientId | 21 | 2 |
| Median FMC to reperfusion | Base Measures | Base Measures.Median FMC to reperfusion | 21 | 2 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 22 | 2 |
| NCRPatientId | dim Patient | dim Patient.NCRPatientId | 22 | 2 |
| STATE | dim State | dim State.STATE | 22 | 2 |
| Median ECG to reperfusion | Base Measures | Base Measures.Median ECG to reperfusion | 22 | 2 |
| All | dim Hospital | dim Hospital.All | 23 | 2 |
| NCRPatientId | dim Patient | dim Patient.NCRPatientId | 23 | 2 |
| Median FMC to reperfusion | Base Measures | Base Measures.Median FMC to reperfusion | 23 | 2 |
| All | dim Hospital | dim Hospital.All | 24 | 2 |
| NCRPatientId | dim Patient | dim Patient.NCRPatientId | 24 | 2 |
| Median ECG to reperfusion | Base Measures | Base Measures.Median ECG to reperfusion | 24 | 2 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 3 |
| Date | Calendar | Calendar.Date | 6 | 3 |
| STATE1 | dim State | dim State.STATE1 | 7 | 3 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 8 | 3 |
| Gender | dim Sex | dim Sex.Gender | 9 | 3 |
| Report 2 Hospital | Base Measures | Base Measures.Report 2 Hospital | 10 | 3 |
| Report 2 Hospital | Base Measures | Base Measures.Report 2 Hospital | 11 | 3 |
| Report 2 Patient | Base Measures | Base Measures.Report 2 Patient | 12 | 3 |
| Report 2 Patient | Base Measures | Base Measures.Report 2 Patient | 13 | 3 |
| Report 2 PCI | Base Measures | Base Measures.Report 2 PCI | 14 | 3 |
| Report 2 PCI | Base Measures | Base Measures.Report 2 PCI | 15 | 3 |
| Count hospitals meet target | Base Measures | Base Measures.Count hospitals meet target | 17 | 3 |
| Count hospitals meet target | Base Measures | Base Measures.Count hospitals meet target | 18 | 3 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 19 | 3 |
| NCRPatientId | dim Patient | dim Patient.NCRPatientId | 19 | 3 |
| STATE | dim State | dim State.STATE | 19 | 3 |
| Report 2 Median dbdt | Base Measures | Base Measures.Report 2 Median dbdt | 19 | 3 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 20 | 3 |
| Cases | Base Measures | Base Measures.Cases <90 min Door | 20 | 3 |
| Target 75 | Base Measures | Base Measures.Target 75% ≤ 90 | 20 | 3 |
| All | dim Hospital | dim Hospital.All | 21 | 3 |
| NCRPatientId | dim Patient | dim Patient.NCRPatientId | 21 | 3 |
| Report 2 Median dbdt | Base Measures | Base Measures.Report 2 Median dbdt | 21 | 3 |
| All | dim Hospital | dim Hospital.All | 23 | 3 |
| Cases | Base Measures | Base Measures.Cases <90 min Door | 23 | 3 |
| Target 75 | Base Measures | Base Measures.Target 75% ≤ 90 | 23 | 3 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 4 |
| Date | Calendar | Calendar.Date | 6 | 4 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 20 | 4 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 20 | 4 |
| Major bleeding | Base Measures | Base Measures.Major bleeding | 20 | 4 |
| Admissions | Base Measures | Base Measures.Admissions | 20 | 4 |
| STATE1 | dim State | dim State.STATE1 | 21 | 4 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 22 | 4 |
| Gender | dim Sex | dim Sex.Gender | 23 | 4 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 24 | 4 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 25 | 4 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 26 | 4 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 27 | 4 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 28 | 4 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 29 | 4 |
| Peri | Base Measures | Base Measures.Peri-PCI stroke (%) (DER) | 30 | 4 |
| Peri | Base Measures | Base Measures.Peri-PCI stroke (%) (DER) | 31 | 4 |
| Major bleeding | Base Measures | Base Measures.Major bleeding (%) (DER) | 32 | 4 |
| Major bleeding | Base Measures | Base Measures.Major bleeding (%) (DER) | 33 | 4 |
| Mortality | Base Measures | Base Measures.Mortality (%) (DER) | 34 | 4 |
| Mortality | Base Measures | Base Measures.Mortality (%) (DER) | 35 | 4 |
| Mortality without shock | Base Measures | Base Measures.Mortality without shock/ohca (%) (DER) | 36 | 4 |
| Mortality without shock | Base Measures | Base Measures.Mortality without shock/ohca (%) (DER) | 37 | 4 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 39 | 4 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 39 | 4 |
| Admissions | Base Measures | Base Measures.Admissions | 39 | 4 |
| Deaths | Base Measures | Base Measures.Deaths | 39 | 4 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 42 | 4 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 42 | 4 |
| Mortality without shock | Base Measures | Base Measures.Mortality without shock/ohca | 42 | 4 |
| Admissions without shock | Base Measures | Base Measures.Admissions without shock/ohca | 42 | 4 |
| Admissions | Base Measures | Base Measures.Admissions | 44 | 4 |
| Strokes | Base Measures | Base Measures.Strokes | 44 | 4 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 44 | 4 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 44 | 4 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 5 |
| Date | Calendar | Calendar.Date | 6 | 5 |
| Gender | dim Sex | dim Sex.Gender | 20 | 5 |
| Hospitals | Base Measures | Base Measures.Hospitals | 21 | 5 |
| Hospitals | Base Measures | Base Measures.Hospitals | 22 | 5 |
| Patients | Base Measures | Base Measures.Patients | 23 | 5 |
| Patients | Base Measures | Base Measures.Patients | 24 | 5 |
| Admissions | Base Measures | Base Measures.Admissions | 25 | 5 |
| Admissions | Base Measures | Base Measures.Admissions | 26 | 5 |
| STATE1 | dim State | dim State.STATE1 | 28 | 5 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 29 | 5 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 30 | 5 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 30 | 5 |
| Admissions | Base Measures | Base Measures.Admissions | 30 | 5 |
| MACE (ih) | Base Measures | Base Measures.MACE (ih) | 30 | 5 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 31 | 5 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 31 | 5 |
| Rows in DER without shock | Base Measures | Base Measures.Rows in DER without shock/ohca (D) | 31 | 5 |
| MACE (ih) | Base Measures | Base Measures.MACE (ih) without shock/ohca (N) | 31 | 5 |
| MACE (ih) | Base Measures | Base Measures.MACE (ih) (%) | 32 | 5 |
| MACE (ih) | Base Measures | Base Measures.MACE (ih) without shock/ohca(%) | 33 | 5 |
| MACE (ih) | Base Measures | Base Measures.MACE (ih) (%) | 34 | 5 |
| MACE (ih) | Base Measures | Base Measures.MACE (ih) without shock/ohca(%) | 35 | 5 |
| MACCE (ih) | Base Measures | Base Measures.MACCE (ih) (%) | 36 | 5 |
| MACCE (ih) | Base Measures | Base Measures.MACCE (ih) without shock/ohca(%) | 37 | 5 |
| MACCE (ih) | Base Measures | Base Measures.MACCE (ih) (%) | 38 | 5 |
| MACCE (ih) | Base Measures | Base Measures.MACCE (ih) without shock/ohca(%) | 39 | 5 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 41 | 5 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 41 | 5 |
| Admissions | Base Measures | Base Measures.Admissions | 41 | 5 |
| MACCE (ih) | Base Measures | Base Measures.MACCE (ih) | 41 | 5 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 42 | 5 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 42 | 5 |
| Rows in DER without shock | Base Measures | Base Measures.Rows in DER without shock/ohca (D) | 42 | 5 |
| MACCE (ih) | Base Measures | Base Measures.MACCE (ih) without shock/ohca (N) | 42 | 5 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 6 |
| Date | Calendar | Calendar.Date | 6 | 6 |
| STATE1 | dim State | dim State.STATE1 | 7 | 6 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 8 | 6 |
| Gender | dim Sex | dim Sex.Gender | 9 | 6 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 10 | 6 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 11 | 6 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 12 | 6 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 13 | 6 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 14 | 6 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 15 | 6 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 18 | 6 |
| lltgp | Base Measures | Base Measures.lltgp (%) | 18 | 6 |
| All | dim Hospital | dim Hospital.All | 19 | 6 |
| lltgp | Base Measures | Base Measures.lltgp (%) | 19 | 6 |
| lltgp | Base Measures | Base Measures.lltgp (%) | 20 | 6 |
| lltgp | Base Measures | Base Measures.lltgp (%) | 21 | 6 |
| All | dim Hospital | dim Hospital.All | 22 | 6 |
| daptgp | Base Measures | Base Measures.daptgp (%) | 22 | 6 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 23 | 6 |
| daptgp | Base Measures | Base Measures.daptgp (%) | 23 | 6 |
| daptgp | Base Measures | Base Measures.daptgp (%) | 24 | 6 |
| daptgp | Base Measures | Base Measures.daptgp (%) | 25 | 6 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 7 |
| Date | Calendar | Calendar.Date | 6 | 7 |
| Gender | dim Sex | dim Sex.Gender | 7 | 7 |
| Hospitals | Base Measures | Base Measures.Hospitals | 8 | 7 |
| Hospitals | Base Measures | Base Measures.Hospitals | 9 | 7 |
| Patients | Base Measures | Base Measures.Patients | 10 | 7 |
| Patients | Base Measures | Base Measures.Patients | 11 | 7 |
| Admissions | Base Measures | Base Measures.Admissions | 12 | 7 |
| Admissions | Base Measures | Base Measures.Admissions | 13 | 7 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 15 | 7 |
| Cardiac Rehabilitation | Base Measures | Base Measures.Cardiac Rehabilitation | 15 | 7 |
| All | dim Hospital | dim Hospital.All | 16 | 7 |
| Cardiac Rehabilitation | Base Measures | Base Measures.Cardiac Rehabilitation | 16 | 7 |
| Cardiac Rehabilitation | Base Measures | Base Measures.Cardiac Rehabilitation | 17 | 7 |
| Cardiac Rehabilitation | Base Measures | Base Measures.Cardiac Rehabilitation | 18 | 7 |
| STATE1 | dim State | dim State.STATE1 | 19 | 7 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 20 | 7 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 8 |
| Date | Calendar | Calendar.Date | 6 | 8 |
| Gender | dim Sex | dim Sex.Gender | 20 | 8 |
| Hospitals | Base Measures | Base Measures.Hospitals | 21 | 8 |
| Hospitals | Base Measures | Base Measures.Hospitals | 22 | 8 |
| Patients | Base Measures | Base Measures.Patients | 23 | 8 |
| Patients | Base Measures | Base Measures.Patients | 24 | 8 |
| Admissions | Base Measures | Base Measures.Admissions | 25 | 8 |
| Admissions | Base Measures | Base Measures.Admissions | 26 | 8 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 28 | 8 |
| Cardiac Rehospitalisation | Base Measures | Base Measures.Cardiac Rehospitalisation (%) | 28 | 8 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 29 | 8 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 29 | 8 |
| Admissions | Base Measures | Base Measures.Admissions | 29 | 8 |
| Unplanned revascularisation | Base Measures | Base Measures.Unplanned revascularisation | 29 | 8 |
| Cardiac Rehospitalisation | Base Measures | Base Measures.Cardiac Rehospitalisation (%)1 | 30 | 8 |
| All | dim Hospital | dim Hospital.All | 30 | 8 |
| Cardiac Rehospitalisation | Base Measures | Base Measures.Cardiac Rehospitalisation (%) | 31 | 8 |
| Cardiac Rehospitalisation | Base Measures | Base Measures.Cardiac Rehospitalisation (%) | 32 | 8 |
| STATE1 | dim State | dim State.STATE1 | 33 | 8 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 34 | 8 |
| Unplanned revascularisation | Base Measures | Base Measures.Unplanned revascularisation (%) | 35 | 8 |
| Unplanned revascularisation | Base Measures | Base Measures.Unplanned revascularisation (%) | 36 | 8 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 9 |
| Date | Calendar | Calendar.Date | 6 | 9 |
| Gender | dim Sex | dim Sex.Gender | 20 | 9 |
| Hospitals | Base Measures | Base Measures.Hospitals | 21 | 9 |
| Hospitals | Base Measures | Base Measures.Hospitals | 22 | 9 |
| Patients | Base Measures | Base Measures.Patients | 23 | 9 |
| Patients | Base Measures | Base Measures.Patients | 24 | 9 |
| Admissions | Base Measures | Base Measures.Admissions | 25 | 9 |
| Admissions | Base Measures | Base Measures.Admissions | 26 | 9 |
| Mortality 30 day | Base Measures | Base Measures.Mortality 30 day(%) | 28 | 9 |
| Mortality 30 day | Base Measures | Base Measures.Mortality 30 day(%) | 29 | 9 |
| STATE1 | dim State | dim State.STATE1 | 30 | 9 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 31 | 9 |
| Mortality 30 day without shock | Base Measures | Base Measures.Mortality 30 day without shock/ohca (%) | 32 | 9 |
| Mortality 30 day without shock | Base Measures | Base Measures.Mortality 30 day without shock/ohca (%) | 33 | 9 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 34 | 9 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 34 | 9 |
| Admissions | Base Measures | Base Measures.Admissions | 34 | 9 |
| Mortality 30 day | Base Measures | Base Measures.Mortality 30 day | 34 | 9 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 35 | 9 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 35 | 9 |
| Mortality 30 day without shock | Base Measures | Base Measures.Mortality 30 day without shock/ohca (N) | 35 | 9 |
| Rows in DER without shock | Base Measures | Base Measures.Rows in DER without shock/ohca (D) | 35 | 9 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 10 |
| Date | Calendar | Calendar.Date | 6 | 10 |
| Gender | dim Sex | dim Sex.Gender | 20 | 10 |
| Hospitals | Base Measures | Base Measures.Hospitals | 21 | 10 |
| Hospitals | Base Measures | Base Measures.Hospitals | 22 | 10 |
| Patients | Base Measures | Base Measures.Patients | 23 | 10 |
| Patients | Base Measures | Base Measures.Patients | 24 | 10 |
| Admissions | Base Measures | Base Measures.Admissions | 25 | 10 |
| Admissions | Base Measures | Base Measures.Admissions | 26 | 10 |
| STATE1 | dim State | dim State.STATE1 | 28 | 10 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 29 | 10 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 30 | 10 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 30 | 10 |
| Admissions | Base Measures | Base Measures.Admissions | 30 | 10 |
| MACE 30 day | Base Measures | Base Measures.MACE 30 day | 30 | 10 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 31 | 10 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 31 | 10 |
| MACE 30 day without shock | Base Measures | Base Measures.MACE 30 day without shock/ohca (N) | 31 | 10 |
| Rows in DER without shock | Base Measures | Base Measures.Rows in DER without shock/ohca (D) | 31 | 10 |
| MACE 30 day | Base Measures | Base Measures.MACE 30 day (%) | 32 | 10 |
| MACE 30 day without shock | Base Measures | Base Measures.MACE 30 day without shock/ohca(%) | 33 | 10 |
| MACE 30 day | Base Measures | Base Measures.MACE 30 day (%) | 34 | 10 |
| MACE 30 day without shock | Base Measures | Base Measures.MACE 30 day without shock/ohca(%) | 35 | 10 |
| MACCE 30 day | Base Measures | Base Measures.MACCE 30 day (%) | 36 | 10 |
| MACCE 30 day without shock | Base Measures | Base Measures.MACCE 30 day without shock/ohca(%) | 37 | 10 |
| MACCE 30 day | Base Measures | Base Measures.MACCE 30 day (%) | 38 | 10 |
| MACCE 30 day without shock | Base Measures | Base Measures.MACCE 30 day without shock/ohca(%) | 39 | 10 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 42 | 10 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 42 | 10 |
| Admissions | Base Measures | Base Measures.Admissions | 42 | 10 |
| MACCE 30 day | Base Measures | Base Measures.MACCE 30 day | 42 | 10 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 43 | 10 |
| FunnelPlotState | Base Measures | Base Measures.FunnelPlotState | 43 | 10 |
| Rows in DER without shock | Base Measures | Base Measures.Rows in DER without shock/ohca (D) | 43 | 10 |
| MACCE 30 day without shock | Base Measures | Base Measures.MACCE 30 day without shock/ohca (N) | 43 | 10 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 11 |
| Date | Calendar | Calendar.Date | 6 | 11 |
| Gender | dim Sex | dim Sex.Gender | 7 | 11 |
| Hospitals | Base Measures | Base Measures.Hospitals | 8 | 11 |
| Hospitals | Base Measures | Base Measures.Hospitals | 9 | 11 |
| Patients | Base Measures | Base Measures.Patients | 10 | 11 |
| Patients | Base Measures | Base Measures.Patients | 11 | 11 |
| Admissions | Base Measures | Base Measures.Admissions | 12 | 11 |
| Admissions | Base Measures | Base Measures.Admissions | 13 | 11 |
| STATE1 | dim State | dim State.STATE1 | 15 | 11 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 16 | 11 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 18 | 11 |
| Rows in DER | Base Measures | Base Measures.Rows in DER | 18 | 11 |
| AGE (Years) | Base Measures | Base Measures.AGE (Years) | 18 | 11 |
| Age | Base Measures | Base Measures.Age - Mean | 18 | 11 |
| Age | Base Measures | Base Measures.Age - Median | 18 | 11 |
| Gender | Base Measures | Base Measures.Gender -female | 18 | 11 |
| Diabetes | Base Measures | Base Measures.Diabetes | 18 | 11 |
| PVD History | Base Measures | Base Measures.PVD History | 18 | 11 |
| Previous PCI | Base Measures | Base Measures.Previous PCI (%) | 18 | 11 |
| Previous CABG | Base Measures | Base Measures.Previous CABG (%) | 18 | 11 |
| BMI | Base Measures | Base Measures.BMI (kg/m2) | 18 | 11 |
| BMIUnderweight | Base Measures | Base Measures.BMIUnderweight | 18 | 11 |
| BMINormal | Base Measures | Base Measures.BMINormal | 18 | 11 |
| BMIOverweight | Base Measures | Base Measures.BMIOverweight | 18 | 11 |
| BMIObese | Base Measures | Base Measures.BMIObese | 18 | 11 |
| 73 m2 | 1 | Base Measures.EGFR (ml/min/1.73 m2) | 18 | 11 |
| EGFRGreaterThan60 | Base Measures | Base Measures.EGFRGreaterThan60 | 18 | 11 |
| EGFRBetween31And60 | Base Measures | Base Measures.EGFRBetween31And60 | 18 | 11 |
| EGFRLessThanThirty | Base Measures | Base Measures.EGFRLessThanThirty | 18 | 11 |
| LVEF | Base Measures | Base Measures.LVEF | 18 | 11 |
| EFNormal | Base Measures | Base Measures.EFNormal | 18 | 11 |
| EFMild | Base Measures | Base Measures.EFMild | 18 | 11 |
| EFModerate | Base Measures | Base Measures.EFModerate | 18 | 11 |
| EFSevere | Base Measures | Base Measures.EFSevere | 18 | 11 |
| Cardiogenic Shock | Base Measures | Base Measures.Cardiogenic Shock | 18 | 11 |
| Out of hospital cardiac arrest | Base Measures | Base Measures.Out of hospital cardiac arrest | 18 | 11 |
| Preprocedural intubation | Base Measures | Base Measures.Preprocedural intubation | 18 | 11 |
| Procedural Intubation required | Base Measures | Base Measures.Procedural Intubation required | 18 | 11 |
| Rows in DER | Base Measures | Base Measures.Rows in DER | 19 | 11 |
| AGE (Years) | Base Measures | Base Measures.AGE (Years) | 19 | 11 |
| Age | Base Measures | Base Measures.Age - Mean | 19 | 11 |
| Age | Base Measures | Base Measures.Age - Median | 19 | 11 |
| Gender | Base Measures | Base Measures.Gender -female | 19 | 11 |
| Diabetes | Base Measures | Base Measures.Diabetes | 19 | 11 |
| PVD History | Base Measures | Base Measures.PVD History | 19 | 11 |
| Previous PCI | Base Measures | Base Measures.Previous PCI (%) | 19 | 11 |
| Previous CABG | Base Measures | Base Measures.Previous CABG (%) | 19 | 11 |
| BMI | Base Measures | Base Measures.BMI (kg/m2) | 19 | 11 |
| BMIUnderweight | Base Measures | Base Measures.BMIUnderweight | 19 | 11 |
| BMINormal | Base Measures | Base Measures.BMINormal | 19 | 11 |
| BMIOverweight | Base Measures | Base Measures.BMIOverweight | 19 | 11 |
| BMIObese | Base Measures | Base Measures.BMIObese | 19 | 11 |
| 73 m2 | 1 | Base Measures.EGFR (ml/min/1.73 m2) | 19 | 11 |
| EGFRGreaterThan60 | Base Measures | Base Measures.EGFRGreaterThan60 | 19 | 11 |
| EGFRBetween31And60 | Base Measures | Base Measures.EGFRBetween31And60 | 19 | 11 |
| EGFRLessThanThirty | Base Measures | Base Measures.EGFRLessThanThirty | 19 | 11 |
| LVEF | Base Measures | Base Measures.LVEF | 19 | 11 |
| EFNormal | Base Measures | Base Measures.EFNormal | 19 | 11 |
| EFMild | Base Measures | Base Measures.EFMild | 19 | 11 |
| EFModerate | Base Measures | Base Measures.EFModerate | 19 | 11 |
| EFSevere | Base Measures | Base Measures.EFSevere | 19 | 11 |
| Cardiogenic Shock | Base Measures | Base Measures.Cardiogenic Shock | 19 | 11 |
| Out of hospital cardiac arrest | Base Measures | Base Measures.Out of hospital cardiac arrest | 19 | 11 |
| Preprocedural intubation | Base Measures | Base Measures.Preprocedural intubation | 19 | 11 |
| Procedural Intubation required | Base Measures | Base Measures.Procedural Intubation required | 19 | 11 |
| BMIObese | Base Measures | Base Measures.BMIObese (%) | 20 | 11 |
| BMIObese | Base Measures | Base Measures.BMIObese (%) | 21 | 11 |
| BMIObese | Base Measures | Base Measures.BMIObese (%) | 22 | 11 |
| BMIObese | Base Measures | Base Measures.BMIObese (%) | 23 | 11 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 12 |
| Date | Calendar | Calendar.Date | 6 | 12 |
| Gender | dim Sex | dim Sex.Gender | 7 | 12 |
| Hospitals | Base Measures | Base Measures.Hospitals | 8 | 12 |
| Hospitals | Base Measures | Base Measures.Hospitals | 9 | 12 |
| Patients | Base Measures | Base Measures.Patients | 10 | 12 |
| Patients | Base Measures | Base Measures.Patients | 11 | 12 |
| Admissions | Base Measures | Base Measures.Admissions | 12 | 12 |
| Admissions | Base Measures | Base Measures.Admissions | 13 | 12 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 15 | 12 |
| Rows in DER | Base Measures | Base Measures.Rows in DER | 15 | 12 |
| access\_route | fact DER | fact DER.access\_route | 15 | 12 |
| All | dim Hospital | dim Hospital.All | 16 | 12 |
| Rows in DER | Base Measures | Base Measures.Rows in DER | 16 | 12 |
| access\_route | fact DER | fact DER.access\_route | 16 | 12 |
| STATE1 | dim State | dim State.STATE1 | 17 | 12 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 18 | 12 |
| Brachial | Base Measures | Base Measures.Brachial | 20 | 12 |
| Radial | Base Measures | Base Measures.Radial % | 21 | 12 |
| Brachial | Base Measures | Base Measures.Brachial | 22 | 12 |
| Radial | Base Measures | Base Measures.Radial % | 23 | 12 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 13 |
| Date | Calendar | Calendar.Date | 6 | 13 |
| STATE1 | dim State | dim State.STATE1 | 20 | 13 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 21 | 13 |
| Gender | dim Sex | dim Sex.Gender | 22 | 13 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 23 | 13 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 24 | 13 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 25 | 13 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 26 | 13 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 27 | 13 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 28 | 13 |
| alllesionsucess | Base Measures | Base Measures.alllesionsucess(%) | 30 | 13 |
| alllesionsucess | Base Measures | Base Measures.alllesionsucess(%) | 31 | 13 |
| procedure\_success | Base Measures | Base Measures.procedure\_success (%) | 32 | 13 |
| procedure\_success | Base Measures | Base Measures.procedure\_success (%) | 33 | 13 |
| Rows in DER | Base Measures | Base Measures.Rows in DER | 34 | 13 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 34 | 13 |
| Lesion Group | dim Lesion location | dim Lesion location.Lesion Group | 34 | 13 |
| Rows in DER | Base Measures | Base Measures.Rows in DER | 35 | 13 |
| Lesion Group | dim Lesion location | dim Lesion location.Lesion Group | 35 | 13 |
| All | dim Hospital | dim Hospital.All | 35 | 13 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 36 | 13 |
| alllesionsucess | Base Measures | Base Measures.alllesionsucess(%) | 36 | 13 |
| procedure\_success | Base Measures | Base Measures.procedure\_success (%) | 36 | 13 |
| All | dim Hospital | dim Hospital.All | 37 | 13 |
| alllesionsucess | Base Measures | Base Measures.alllesionsucess(%) | 37 | 13 |
| procedure\_success | Base Measures | Base Measures.procedure\_success (%) | 37 | 13 |
| Last updated on | FileLog | FileLog.Last updated on | 3 | 14 |
| Date | Calendar | Calendar.Date | 6 | 14 |
| STATE1 | dim State | dim State.STATE1 | 7 | 14 |
| HospitalName | dim Hospital | dim Hospital.HospitalName | 8 | 14 |
| Gender | dim Sex | dim Sex.Gender | 9 | 14 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 10 | 14 |
| Hospitals (DER) | Base Measures | Base Measures.Hospitals (DER) | 11 | 14 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 12 | 14 |
| Patients (DER) | Base Measures | Base Measures.Patients (DER) | 13 | 14 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 14 | 14 |
| Admissions (DER) | Base Measures | Base Measures.Admissions (DER) | 15 | 14 |
| Mean non ACS LOS | Base Measures | Base Measures.Mean non ACS LOS | 18 | 14 |
| Mean NSTEMI LOS (Days) | Base Measures | Base Measures.Mean NSTEMI LOS (Days) | 19 | 14 |
| Mean Non ACS LOS | Base Measures | Base Measures.Mean Non ACS LOS | 20 | 14 |
| Mean NSTEMI LOS (Days) | Base Measures | Base Measures.Mean NSTEMI LOS (Days) | 21 | 14 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 22 | 14 |
| non ACS cases | Base Measures | Base Measures.non ACS cases | 22 | 14 |
| non\_acs | fact DER | fact DER.non\_acs | 22 | 14 |
| NCRHospitalID | dim Hospital | dim Hospital.NCRHospitalID | 23 | 14 |
| NSTEMI cases | Base Measures | Base Measures.NSTEMI cases | 23 | 14 |
| NSTEMI days | fact DER | fact DER.NSTEMI days | 23 | 14 |
| Mean LOS | Base Measures | Base Measures.Mean LOS | 24 | 14 |
| Mean LOS | Base Measures | Base Measures.Mean LOS | 25 | 14 |
| non ACS cases | Base Measures | Base Measures.non ACS cases | 26 | 14 |
| non\_acs | fact DER | fact DER.non\_acs | 26 | 14 |
| All | dim Hospital | dim Hospital.All | 26 | 14 |
| NSTEMI cases | Base Measures | Base Measures.NSTEMI cases | 27 | 14 |
| NSTEMI days | fact DER | fact DER.NSTEMI days | 27 | 14 |
| All | dim Hospital | dim Hospital.All | 27 | 14 |

Maintenance and Updates

The process for extending this report can be broken down into a few core tasks, listed in order of increasing complexity: While the tasks are examined in isolation in reality a combination of these elements will be occurring. This section aims to provide the developer a broad understand of the report structure how to reason about implementing changes.

Creating new pages and visuals.

* Developing new measures or calculated columns.
* Updating any existing measures or calculated columns.
* Introducing new tables and/or modifying the PBI data model

Creating new pages and visuals

This is the simplest task and assumes the developer will leverage existing measures, calculated columns, and the data model to build new insights on the clinical data. The required steps are as follows:

1. Create a duplicate of the template page.
2. Ensure that instructions in *Common elements in Reports* are followed.
3. Identify existing measures or calculated columns from Table 18 Report measures or Table 19 Measures and columns used in visuals.
4. Build required visualisation.

Developing new measures or calculated columns

When undertaking this task, it is assumed that the existing data model and tables (dimensional and factual) are sufficient to meet the requirements set by the end user. Follow these steps:

1. Thoroughly review Table 18 Report measures and Table 19 Measures and columns used in visuals for any existing measures that could be leveraged (e.g., the 'Rows in DER' measure is a parent measure for more than 20 child measures in the report).
2. Develop DAX calculations leveraging (if any) existing calculations and best practices.

Updating any existing measures or calculated columns

The measures within this report have multiple parent-child relationships with multi-level hierarchies. A complete listing is provided in Table 18 Report measures which should be reviewed to ascertain the impact of modifying the DAX code. Follow these steps:

1. Review Table 18 Report measures and list all child measures. (i.e. measures that depend on the current measure under review).
2. Edit the DAX code of the measure.
3. Test and verify the results of the current measures and all child measures.

Introducing new tables and/or modifying the PBI data model

When introducing new tables, all attempts must be made to preserve the existing 'star schema' PBI model. Only in extreme cases should this be broken, in such scenarios, falling back to a snowflake schema is acceptable. In all situations, tables should have a one-to-many relationship with a single filter direction. There should be no many-to-many relationships with bidirectional filtering. Follow these steps:

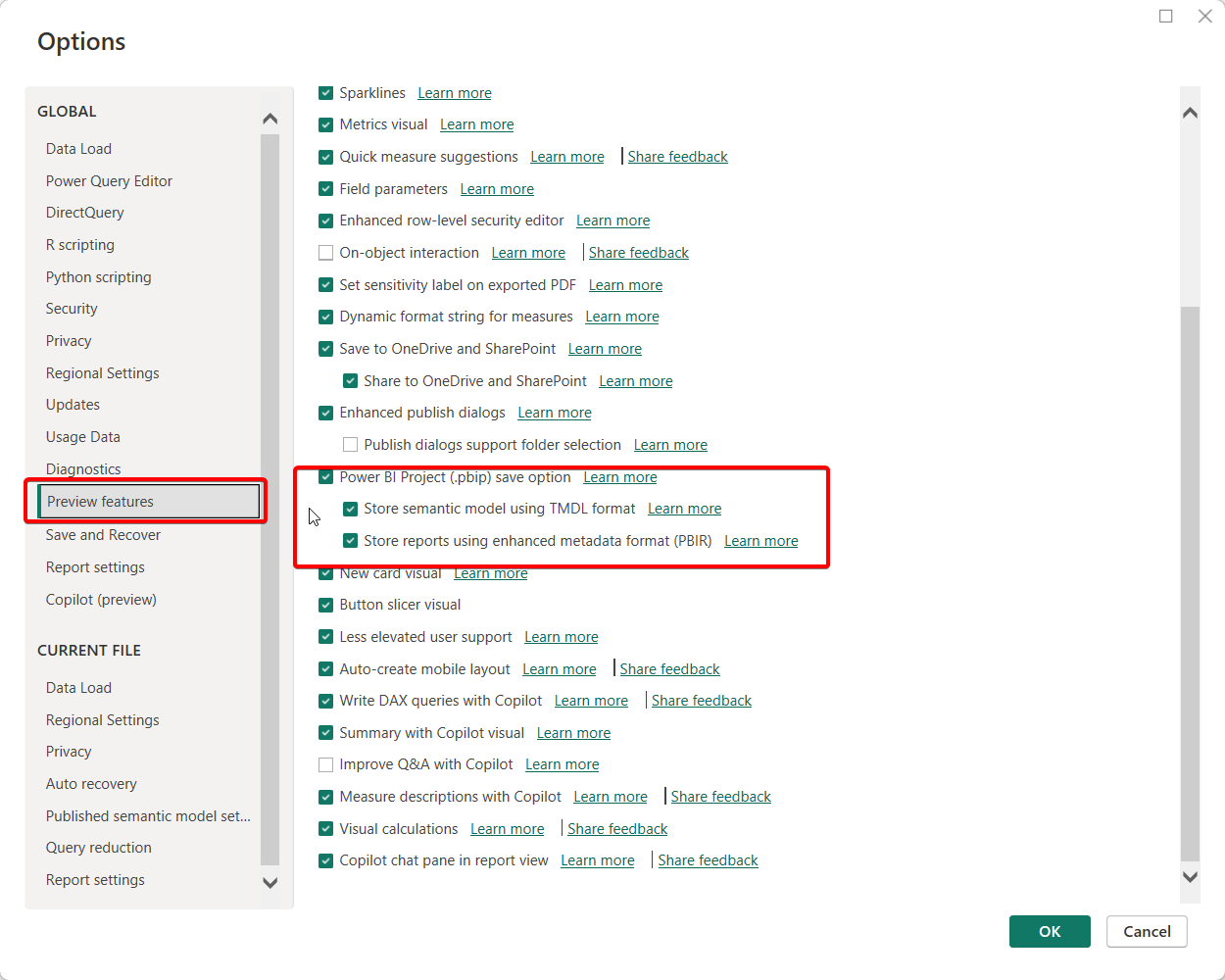
1. The report is primarily driven by the vw\_Data\_Extract\_Report and as such if new fields and/or dimensions are required this SQL query should be reviewed to determine if it already exists.
2. If the required fields are not present in vw\_Data\_Extract\_Report it is advisable to modify the SQL query in the database prior to importing to PBI.
3. If modifying the SQL is not feasible then the required table should be merged with the vw\_Data\_Extract\_Report query in the PBI query editor utilising M-code
4. Create the dimension table with unique values based on the reporting categories.
5. Once the queries are processed link the dimension table with the fact\_DER table.

VERSION CONTROL

This document facilitates the handover of the Power BI report to PTS. The report is provided as a PBIX file, "NCR\_REPORTS.pbix," along with a Git repository containing a version-controlled NCR\_REPORTS.pbip (a Power BI project file). It is hoped that future development of NCR\_REPORTS will utilise the PBIP file format.

To enable this functionality, please ensure that the local version of Power BI Desktop has the following options enabled, as shown in the figure below, to function as a version-controlled Git repository. Reference [Power BI Desktop projects (PBIP) - Power BI | Microsoft Learn](https://learn.microsoft.com/en-us/power-bi/developer/projects/projects-overview)

Figure 6 Version control configuration



The project handover repository can be found at <https://github.com/milinda-abay/NCR.git> and should be cloned and incorporated into PTS workflow. Thereby concluding the purpose of this document.

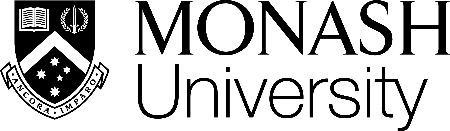
GLOSSARY OF TERMS, ABBREVIATIONS AND ACRONYMS

**“NCR”** means National Cardiac Registry

**“PTS”** means Playtime Solutions

**“PBI”** means Microsoft Power BI

“**DAX**” means Data Analysis Expressions



Further information

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