

Visualize the Power of Clinical Data via Power BI.

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The contents of the presentation is NOT to compare Power BI over the other's DV software's or tools available in the market.

1.) What is Power BI ?.

2.) Why Power BI ?.

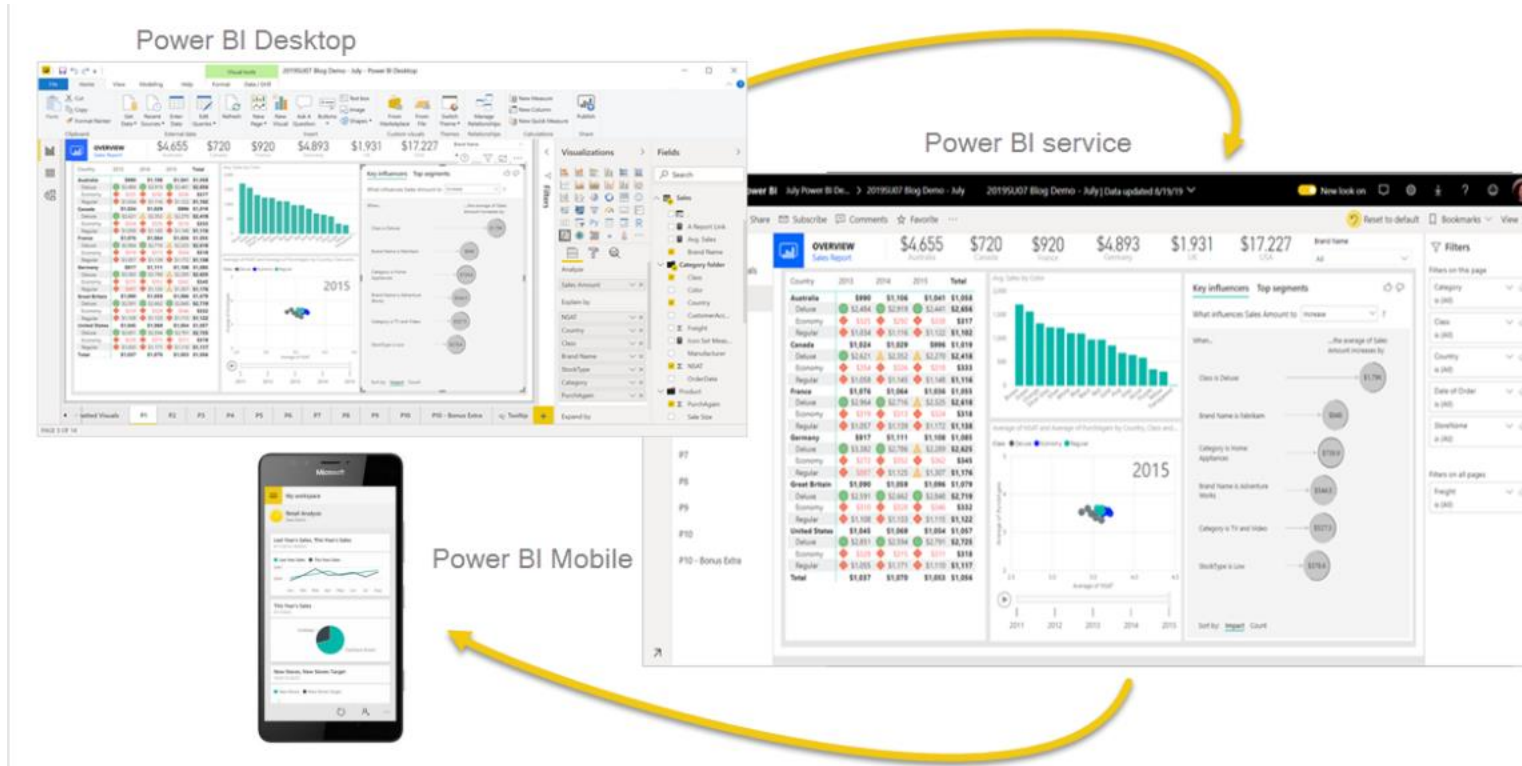
3.) UI of Power BI ?.

4.) Examples of Clinical Data Visualisation using Power BI.

5.) Publishing the dash boards.

What is Power BI

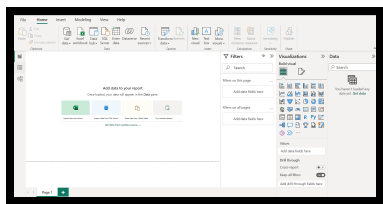
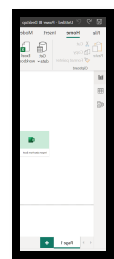
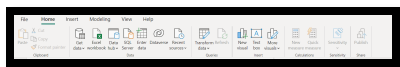
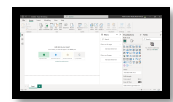
- An interactive DV software.
- Desktop based interface with cloud-based solution.
- It has 3 integrated components



Why Power BI?

- Fairly intuitive user interface with high integration to other MS products.
- Versatile with little upfront learning.
- Broad integration features.
- Huge online community.
- Constantly improving, with new features.
- Free version available.
- Available on many platforms.
- Over many million subscribers.

UI of Power BI.



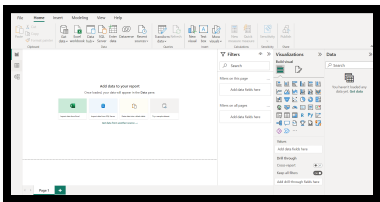
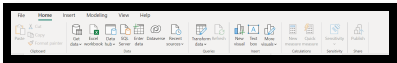
UI of Power BI.

The screenshot displays the Power BI Desktop application window. The title bar reads 'Untitled - Power BI Desktop'. The interface is divided into several sections:

- Left Sidebar:** Contains icons for 'File', 'Home', 'Visualizations', and 'Fields'. Below these are icons for 'Get data', 'Recent sources', and 'Open other reports'.
- Main Content Area:**
 - Header:** 'Power BI Desktop' with a search bar and user profile 'Madhusudhan Reddy Mule Venkata'.
 - Getting started with Power BI Desktop:** A large central area with a play button icon over a dashboard preview.
 - Building reports:** A section with a play button icon over a report preview.
 - Query view concepts:** A section with a play button icon over a query view preview.
 - Uploading your reports:** A section with a play button icon over a report upload preview.
 - Create a Phone report:** A section with a play button icon over a mobile report preview.
 - VIEW ALL VIDEOS:** A link to view all tutorial videos.
 - Checkboxes:** 'Show this screen on startup' is checked.
- Right Sidebar:**
 - WHAT'S NEW:** 'Take a look at what's new and improved in Power BI in this month's update.'
 - FORUMS:** 'Visit the Power BI Forum to ask questions or interact with other users in the Power BI community.'
 - POWER BI BLOG:** 'Keep up to date with the latest news, resources, and updates from the Power BI team.'
 - TUTORIALS:** 'Ready to learn more about Power BI?'
 - Get started with Power BI Desktop
 - Download a sample
 - Watch our training videos
 - See what others have built
 - All guided learning

At the bottom, the status bar shows 'Page 1 of 1' and a zoom level of '63%'.

UI of Power BI



Untitled - Power BI Desktop

Search

Madhusudhan Reddy Mule Venkata

File Home Insert Modeling View Help

Paste Cut Copy Format painter Clipboard

Get data Excel workbook Data hub SQL Server Enter data Dataaverse Recent sources Transform data Refresh data Queries

New visual Text box More visuals Insert

New measure Quick measure Calculations

Sensitivity Sensitivity

Publish Share

Add data to your report

Once loaded, your data will appear in the Fields pane.

Import data from Excel Import data from SQL Server Paste data into a blank table Try a sample dataset

Get data from another source →

Filters

Search

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

Visualizations

Build visual

Values

Add data fields here

Drill through

Cross-report Off

Keep all filters On

Add drill-through fields here

Fields

Search

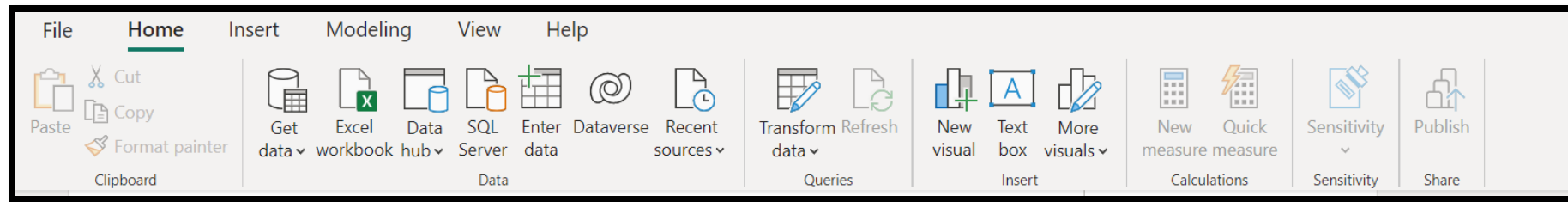
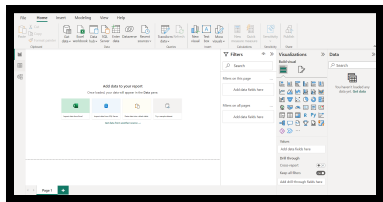
You haven't loaded any data yet. Get data

Page 1

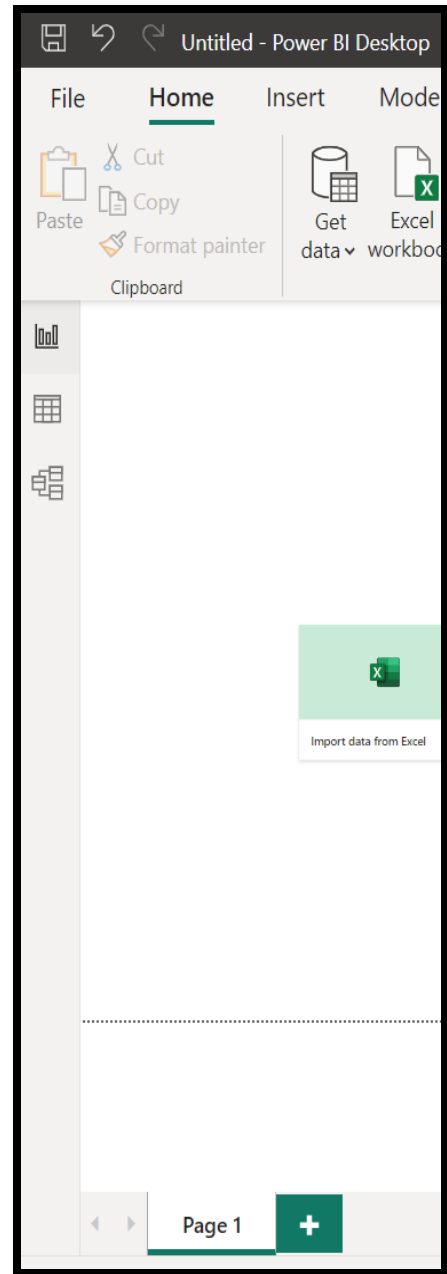
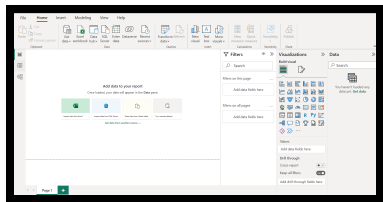
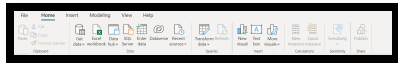
Page 1 of 1

53%

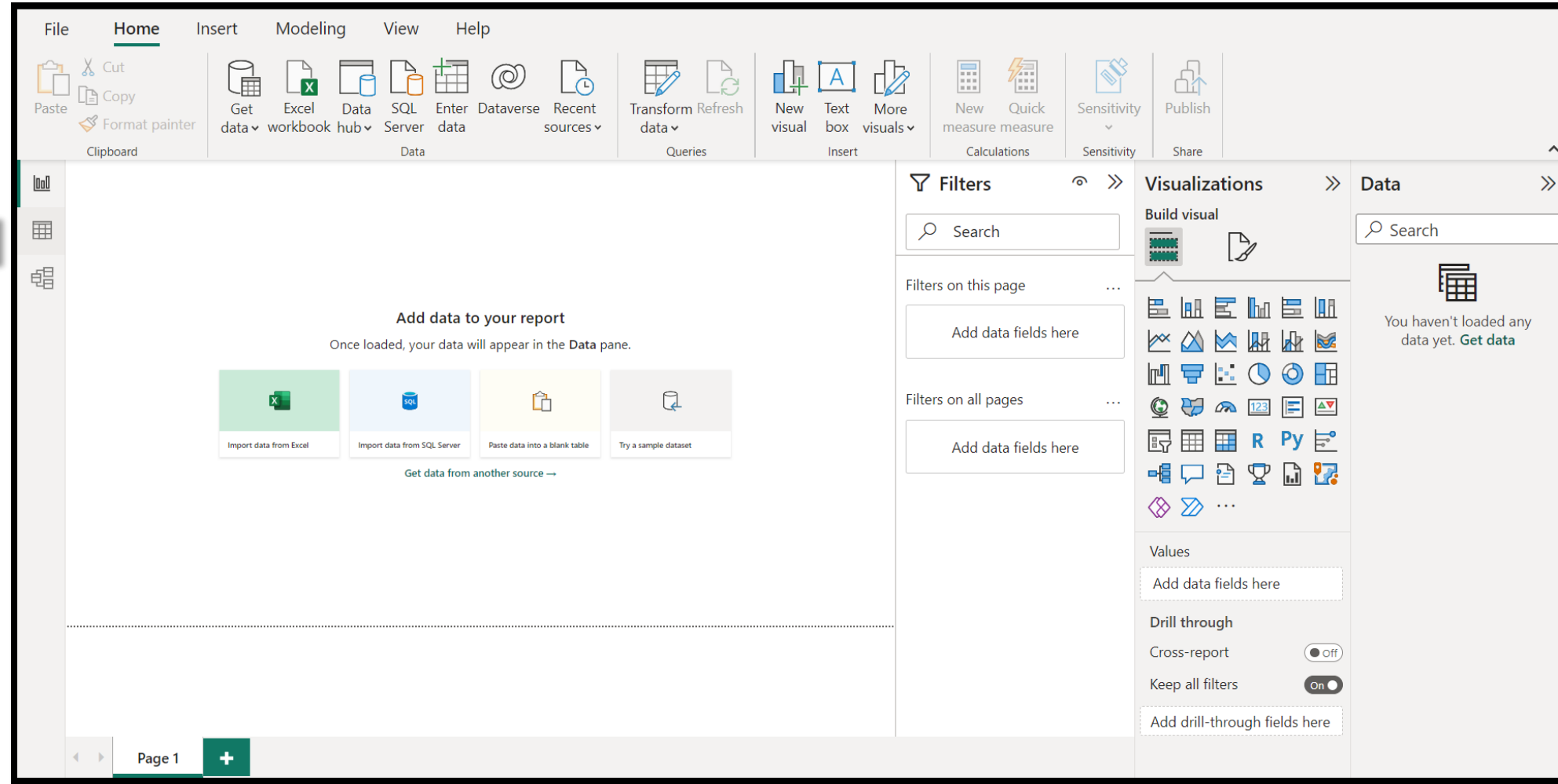
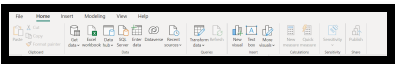
UI of Power BI.



UI of Power BI.



UI of Power BI.



Adverse Events information

of Subjects

225

of AEs

1191

Serious ...

☐ N
☐ Y

Severity

☐ MILD
☐ MODERATE
☐ SEVERE

Outcome

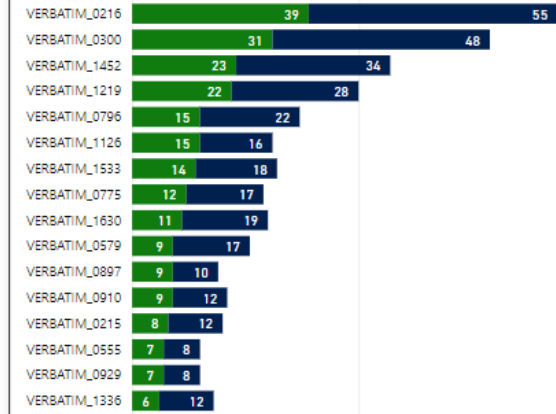
☐ NOT RESOLVED
☐ RESOLVED

ARM

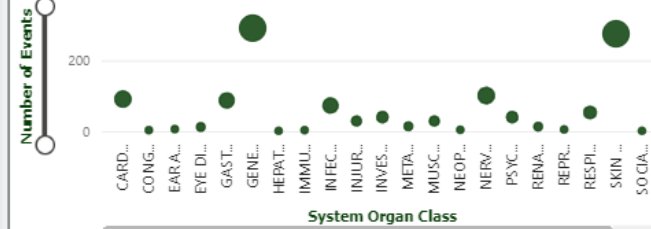
Placebo
Screen Failure
Xanomeline High
Dose
Xanomeline Low Dose

N, E by AE Terms

● Number of subjects ● Number of events

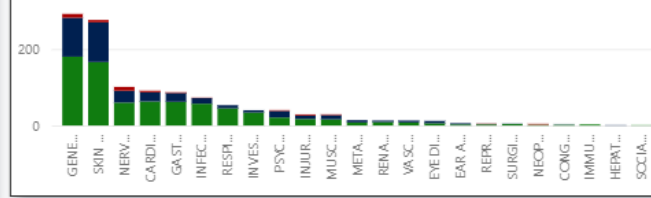


of events by SOC



SOC by Severity

AESEV ● MILD ● MODERATE ● SEVERE



Life threatening?

☐ N
☐ Y

USUBJID

01-701-1015
01-701-1023
01-701-1028
01-701-1034
01-701-1047
01-701-1097
01-701-1111
01-701-1115
01-701-1118

Filters

Search

Filters on this page

Add data fields here

Filters on all pages

USUBJID
is (All)

Filter type

Basic filtering

Search

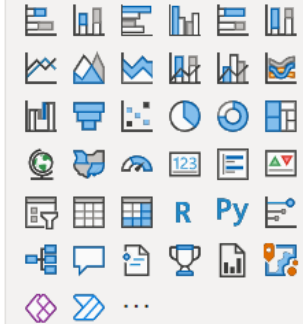
☒ Select all
☒ 01-701-1015 1
☒ 01-701-1023 1
☒ 01-701-1028 1
☒ 01-701-1033 1
☒ 01-701-1034 1
☒ 01-701-1047 1

☐ Require single selection

Add data fields here

Visualizations

Build visual



Values

Add data fields here

Drill through

Cross-report

On

Keep all filters

On

USUBJID

is (All)

Data

Search

> AE

> DM

☐ AGE
☐ AGEU
☐ ARM
☐ ARMCD
☐ COUNTRY
☐ DMDTC
☐ DMDY
☐ DOMAIN
☐ RACE
☐ RFENDTC
☐ RFSTDTC
☐ SEX
☐ SITEID
☐ STUDYID
☐ SUBJID
☐ USUBJID

DM

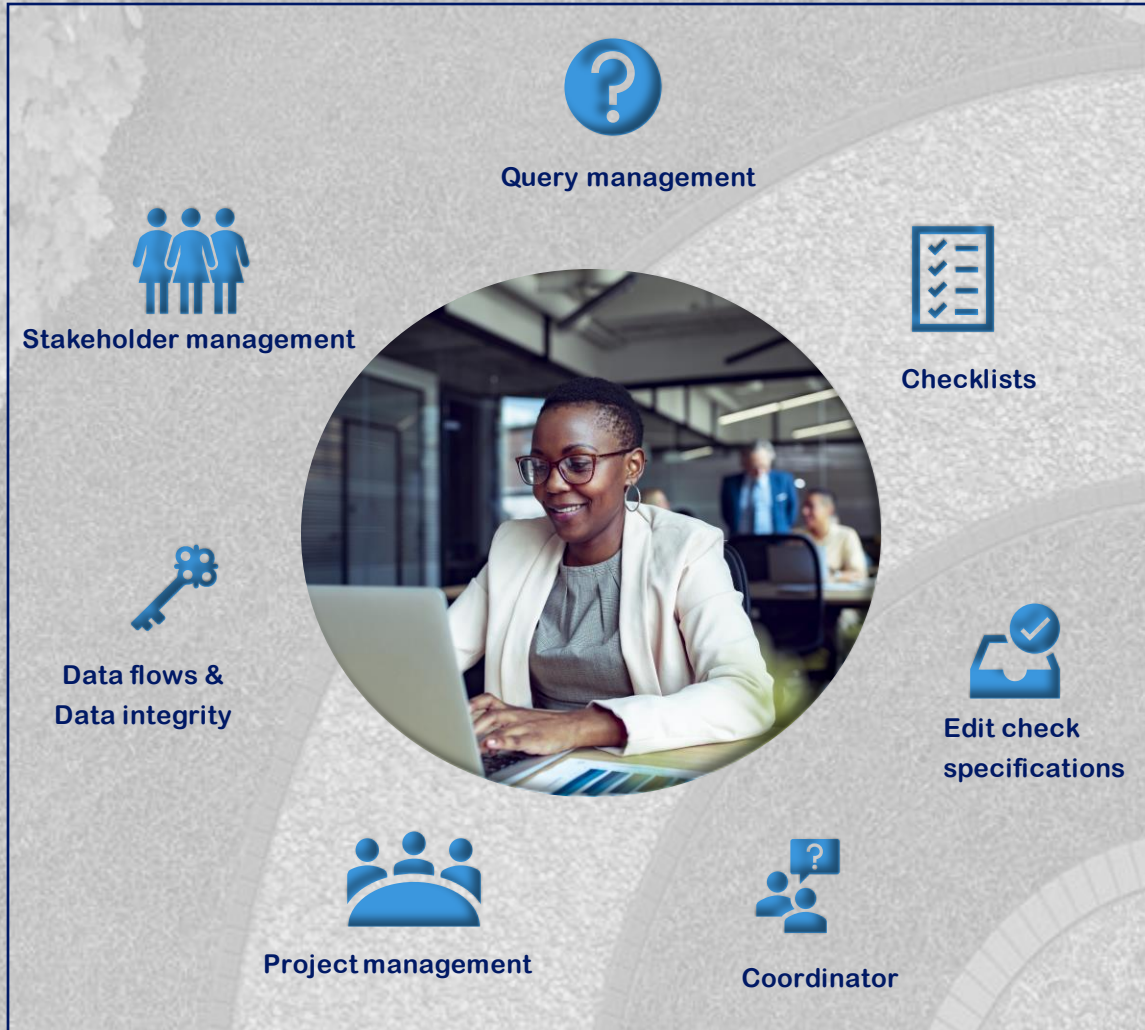
AE

+

Examples of Clinical Data visualisation using Power BI.

- Over to Power BI Desktop

The changing landscape



Clinical data manager



Clinical data scientist

Why Power BI in Clinical Data Management?



Zero programming



Integration with Microsoft Teams & Sharepoint



Can be shared with Study Group on Microsoft Teams channel



Automatic refresh of dashboards (weekly, daily or hourly)



Quick setup of standard dashboards in new trials

