

KenyaEMR Data Tools Reporting

August 2021 Revision

Tasks:	Query Design Reporting Using KenyaEMR Data Tools
Objective:	To formulate Ad Hoc reports that aim to inform programming
Who:	EMR user
Required Materials:	Username, password, computer installed with KenyaEMR and data tools

STEP	ACTION
1.	<div data-bbox="170 541 1112 997" data-label="Image"> </div> <p style="text-align: center;">Accessing KenyaEMR data tools</p>
	<p>Login to your Ubuntu Server</p> <p>Step 1: Enter the username for logging into the server Step 2: Enter the password for logging into the server</p> <p>Click enter.</p>

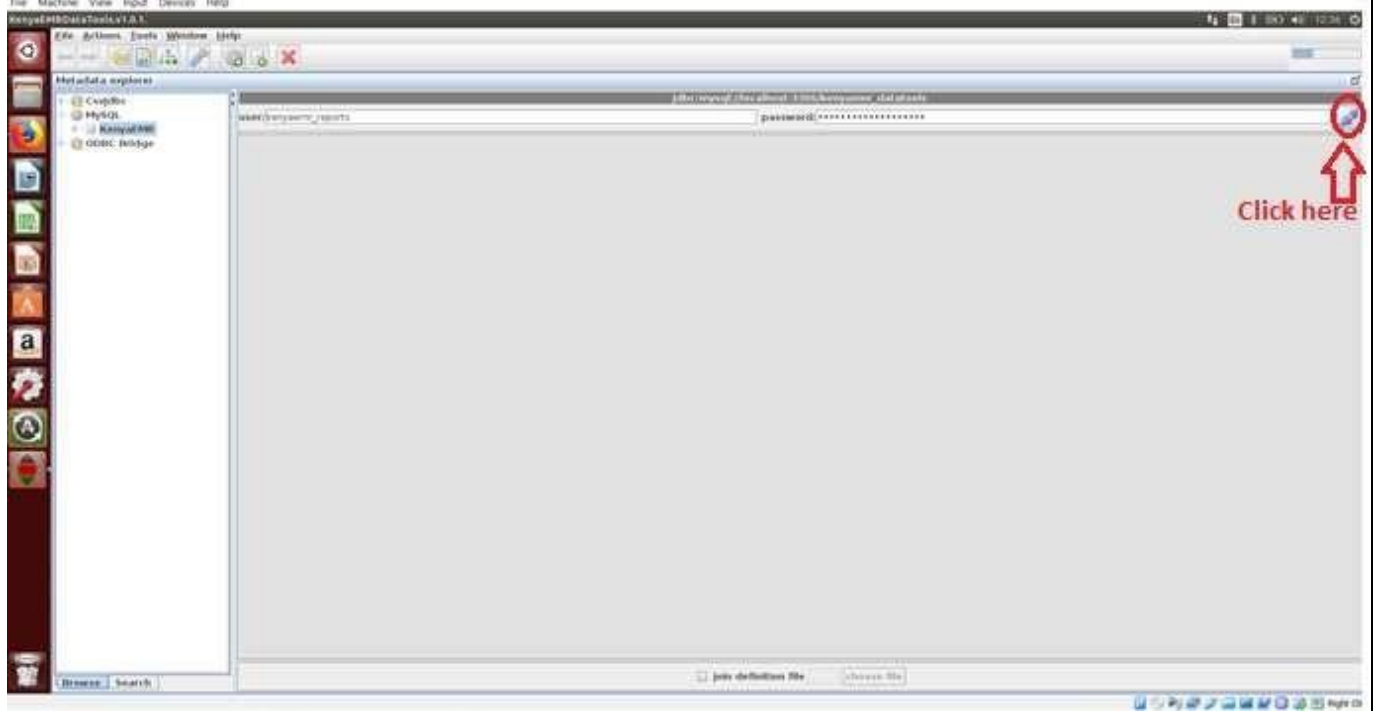
2. Ubuntu Desktop



Upon successful login, you shall be navigated to Linux home Page

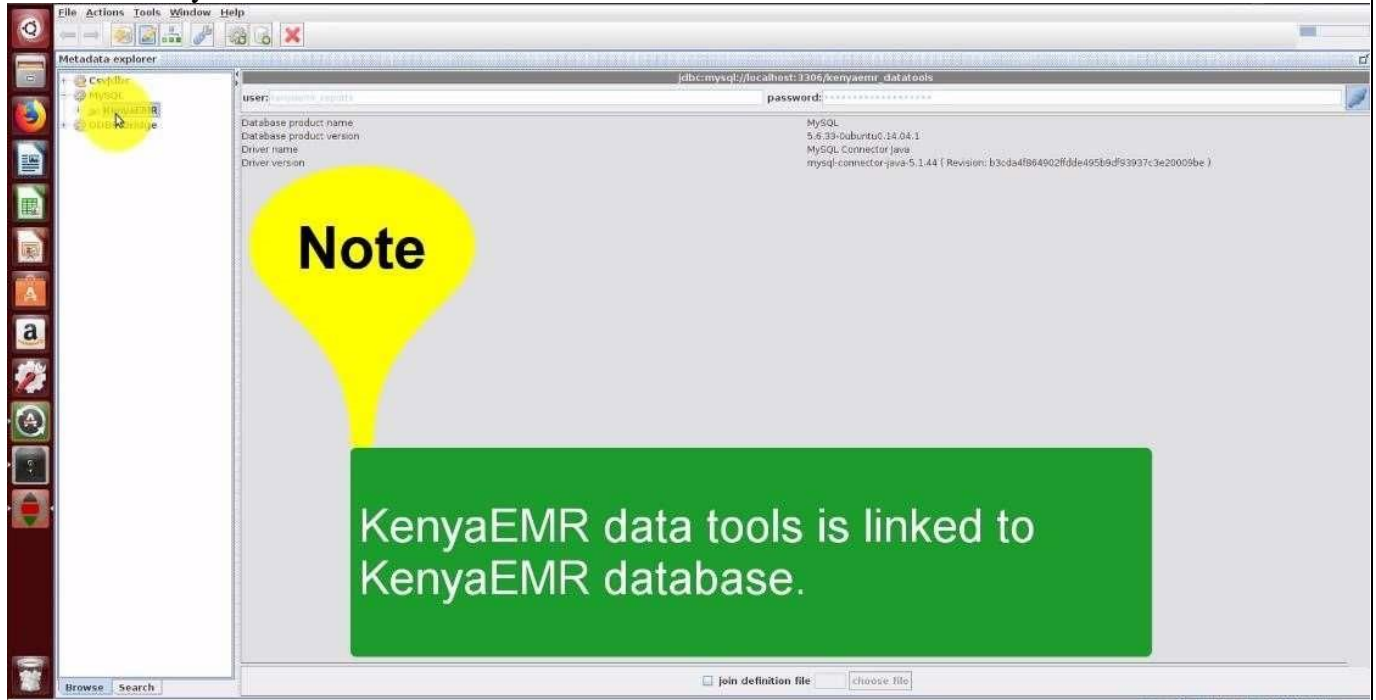
Double click “KenyaEMR Data Tools” icon

3. KenyaEMR Data tool Login



Login credentials: Username and password are programmed onto the instance “Click Login”

4. Successful KenyaEMR data tools access



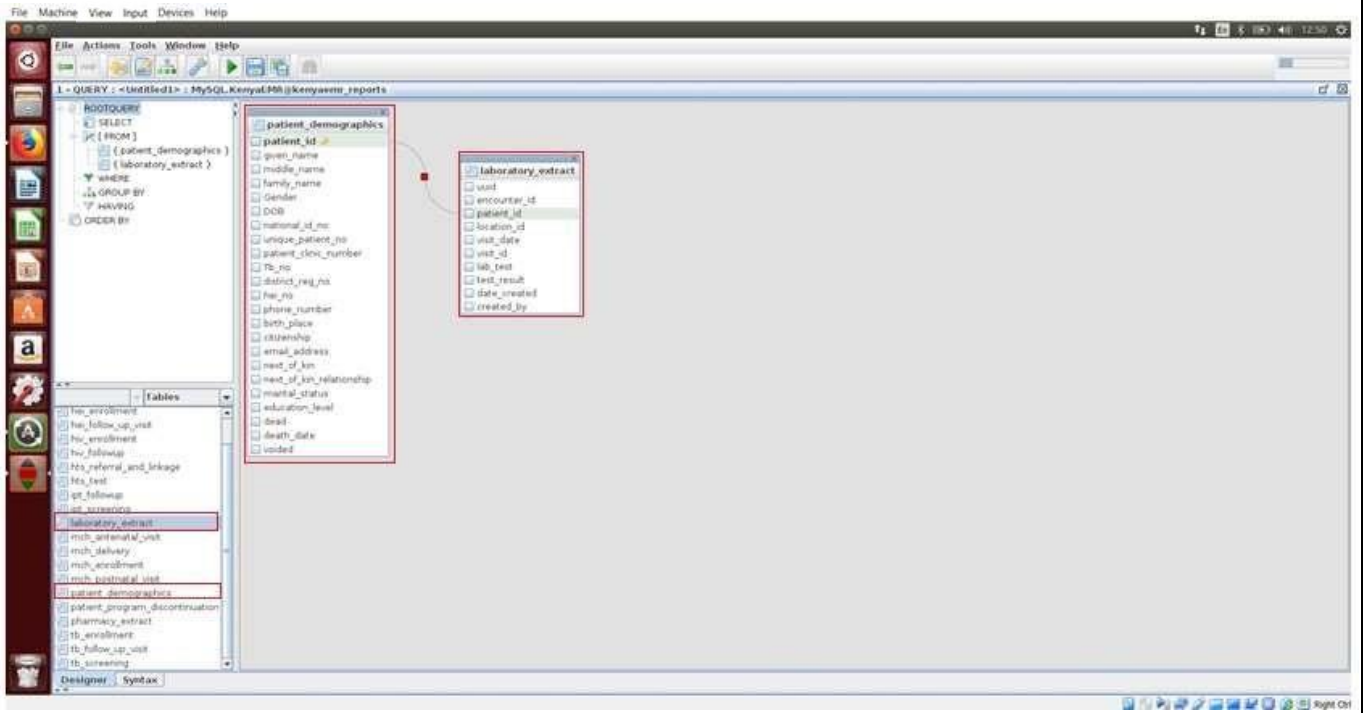
Confirmation of login: Database product name, database product version, driver name and version

5. Opening Query



Click on the query icon to launch query tables, that will appear on the left lower panel

6. Launching query table



Double click query table to launch

7.

Launching the report

The screenshot shows a query tool interface. At the top, a yellow box highlights the 'Launch Query' button. Below it, the query editor shows a SELECT statement for the 'patient_demographics' table. A red callout box points to the table and its fields, stating 'Select data elements in sequence required in the report'. The fields listed are: patient_id, given_name, middle_name, family_name, Gender, DOB, national_id_no, unique_patient_no, patient_clinic_number, Tb_no, district_reg_no, hei_no, phone_number, birth_place, citizenship, email_address, next_of_kin, next_of_kin_relationship, marital_status, education_level, dead, death_date, and voided. Below the query editor, a data table is displayed with columns: #, given_name, middle_name, family_name, Gender, DOB, unique_patient_no, phone_number, marital_status, and education_level. A red callout box points to the table, stating 'Report extract can be downloaded in Excel or extrapolated into Pivot tables'. The table contains 11 rows of patient data.

#	given_name	middle_name	family_name	Gender	DOB	unique_patient_no	phone_number	marital_status	education_level
1	LOITA	LOITA	LOITA	M					
2	Mushiboti	Mushiboti	Mushiboti	F					
3	Lihavi	Lihavi	Lihavi	F			072956...		
4	Christine	Christine	Christine	M			072675...		
5	Agatha	Agatha	Agatha	F	1971-05...	161040...	071172...	Never m...	
6	Josephine	Josephine	Josephine	F			072727...		
7	Mukhunji	Mukhunji	Mukhunji	M			072859...		
8	Anjeline	Anjeline	Anjeline	F			072417...		
9	Opindo	Opindo	Opindo	M	1984-12...	175960...	070632...	Never m...	Second...
10	Fridah	Fridah	Fridah	F			072504...		
11	murunga	murunga	murunga	F	02:59	161040...	071097...	Married	Primary...

Click on the launch query icon, to display report. The report can be downloaded in Excel or extrapolated into Pivot tables for further analysis.

8. PIVOT Tables

#	given_n...	middle_...	family_n...	DOB	phone_n...	marital_s...	educatio...	visit_date	weight	height	nutrition...	populed...	who_sts...	evsuste...	tb_status	ctx_sdr1...
102	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-01...							
103	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-01...							
104	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-01...				WHO Sta...			
105	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-02...	71.5	163					
106	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-02...	71.5	163					
107	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-02...	71	163					
108	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-02...							
109	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-02...							
110	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-02...				WHO Sts...			Good
111	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-03...	71	163					
112	murunga	murunga	murunga	1996-05...	161040...	071097...	Married	Primary...	2016-03...	71	163					



KenyaEMR Data Tools. Tested with Firefox and Chrome (Internet Explorer is not supported)

Table: Count:

Totals 32,271

given_name ▾
middle_name ▾
family_name ▾
DOB ▾
unique_patient_no ▾
phone_number ▾
marital_status ▾

Pivot tables run on the browser.

9.

KenyaEMR Data Tools. Tested with Firefox and Chrome (Internet Explorer is not supported)

Table: Count:

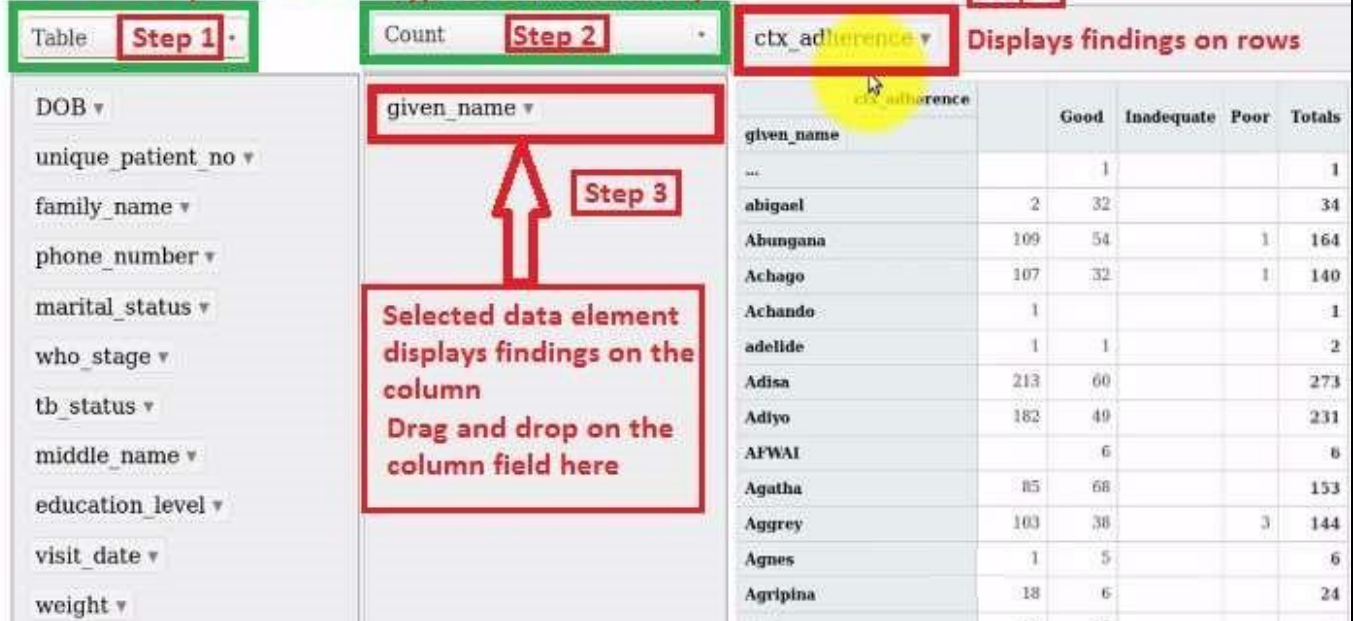
Totals 32,271

Count
Count Unique Values
List Unique Values
Sum
Integer Sum
Average
Sum over Sum
80% Upper Bound
80% Lower Bound
Sum as Fraction of Total
Sum as Fraction of Rows
Sum as Fraction of Columns
Count as Fraction of Total
Count as Fraction of Rows
Count as Fraction of Columns

marital_status ▾
education_level ▾
visit_date ▾
weight ▾

PIVOT Tables: Allows for manipulation of data extracts by choosing data analysis and presentation methods

KenyaEMR Data Tools. Tested with Firefox and Chrome (Internet Explorer is not supported)
Mode of data presentation Type of Statistical analysis Step 4



Step 1 Table

Step 2 Count

Step 3 given_name

Step 4 ctx_adherence Displays findings on rows

given_name	Good	Inadequate	Poor	Totals
...		1		1
abigael	2	32		34
Abungana	109	54	1	164
Achago	107	32	1	140
Achando	1			1
adelide	1	1		2
Adisa	213	60		273
Adiyo	182	49		231
AFWAI		6		6
Agatha	85	68		153
Aggrey	103	38	3	144
Agnes	1	5		6
Agripina	18	6		24

**Selected data element displays findings on the column
Drag and drop on the column field here**

Pivot manipulation

Step1: Select mode of data presentation from the drop-down menu

Step 2: Select type of statistical analysis from the drop-down menu

Step 3: Drag and drop data set of interest under the count field to appear in a column i.e. given name Step 4:

Drag and drop data set of interest parallel to the count field for findings to appear in rows i.e. CTX adherence

This marks the end of KenyaEMR data tool reporting