National Health Workforce Accounts
Online Platform – part II

Functions and visualization
Exercises: Data approval, pivot tables, graphs, dashboard

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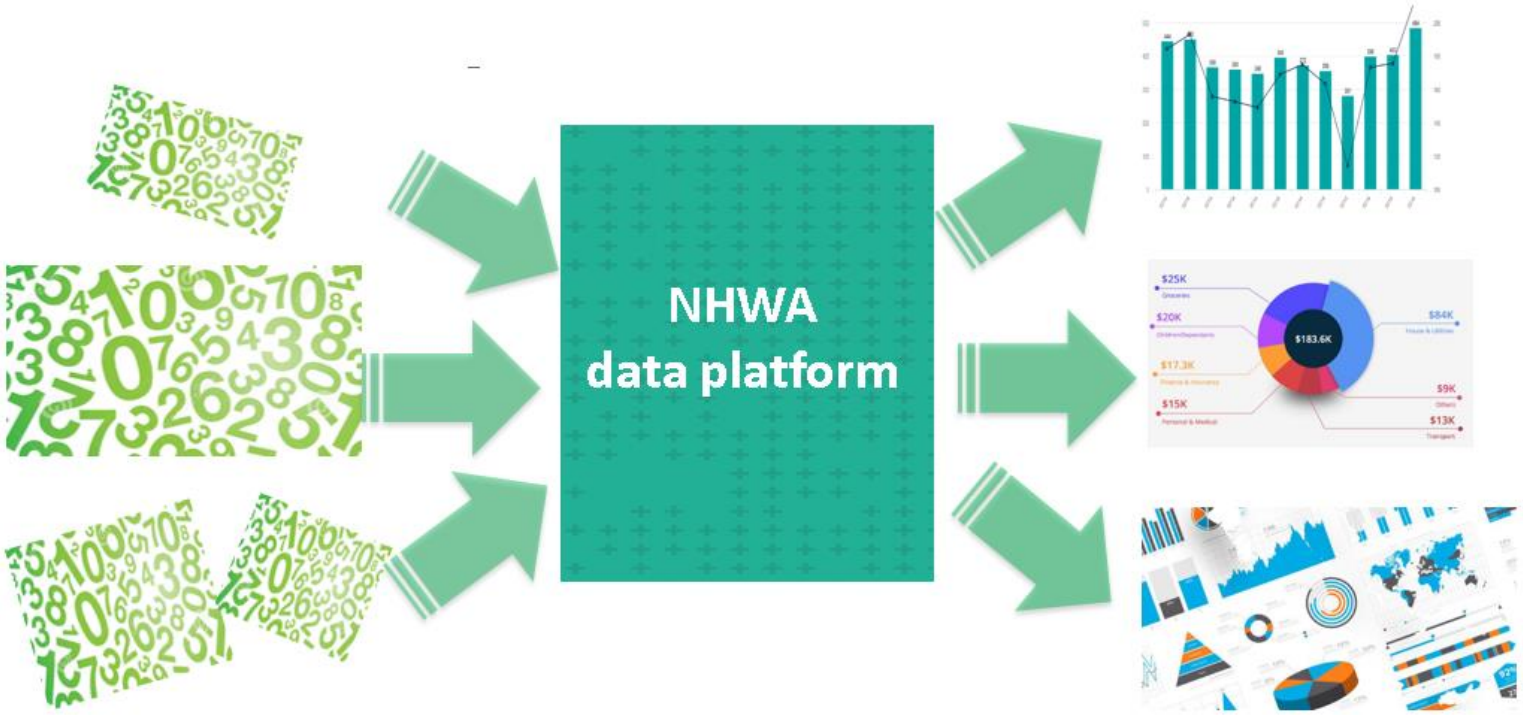
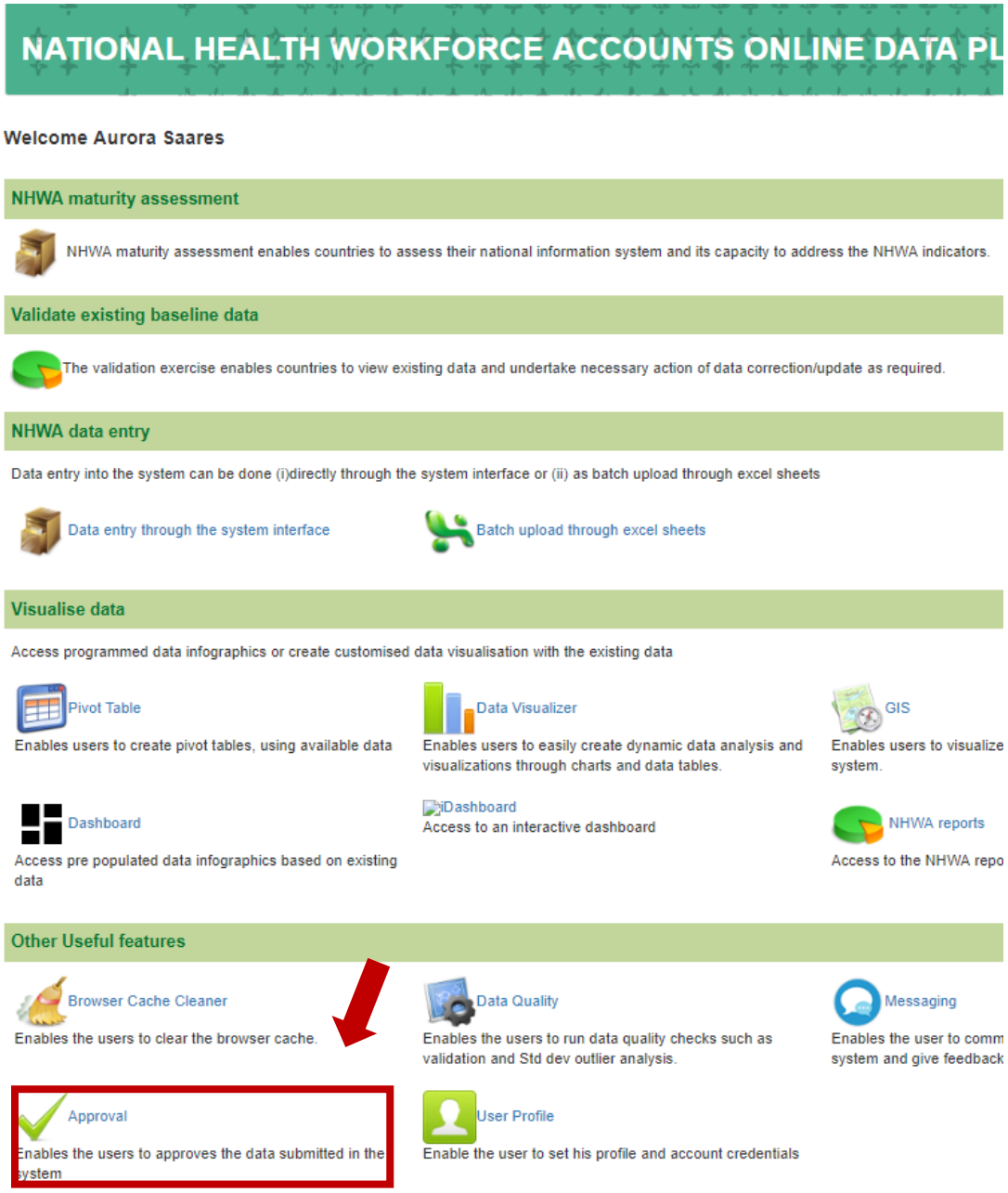
PAHO NHWA workshop, Miami July 2019

Health Workforce Department, WHO, Geneva

NHWA data platform for countries




NATIONAL HEALTH WORKFORCE ACCOUNTS ONLINE DATA PL
Welcome Aurora Saares
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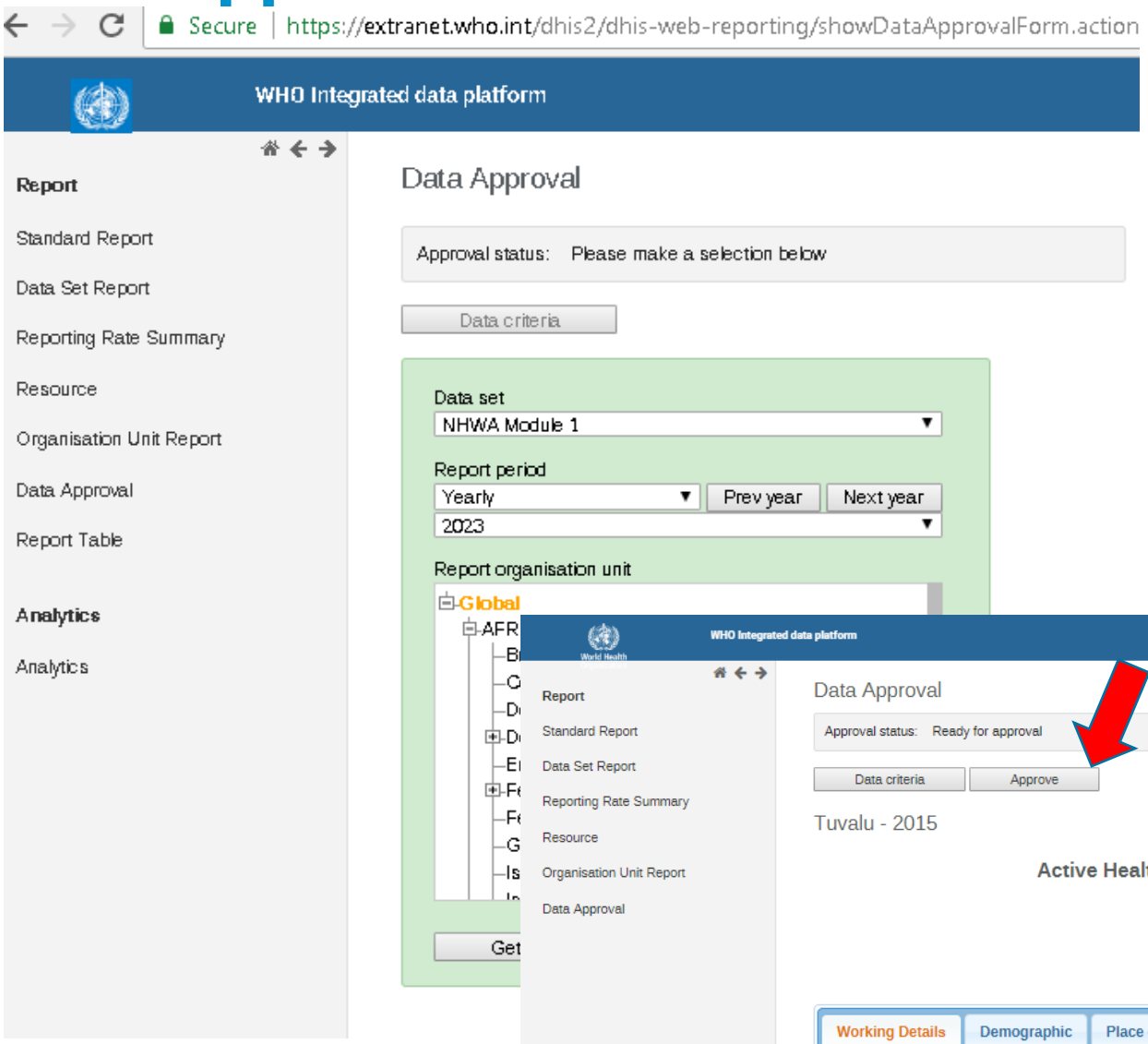
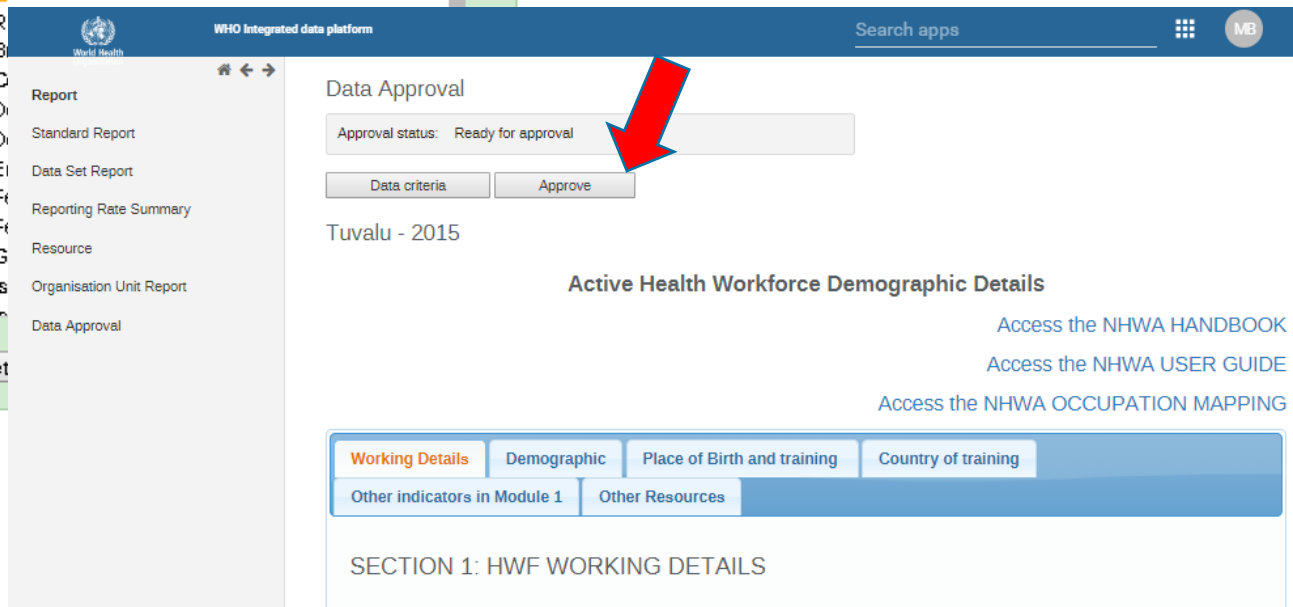
Data approval





NHWA landing page

World Health Organization

NATIONAL HEALTH WORKFORCE ACCOUNTS ONLINE DATA PLATFORM

Welcome [redacted]

User Guide | Logout

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Dashboard

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iDashboard

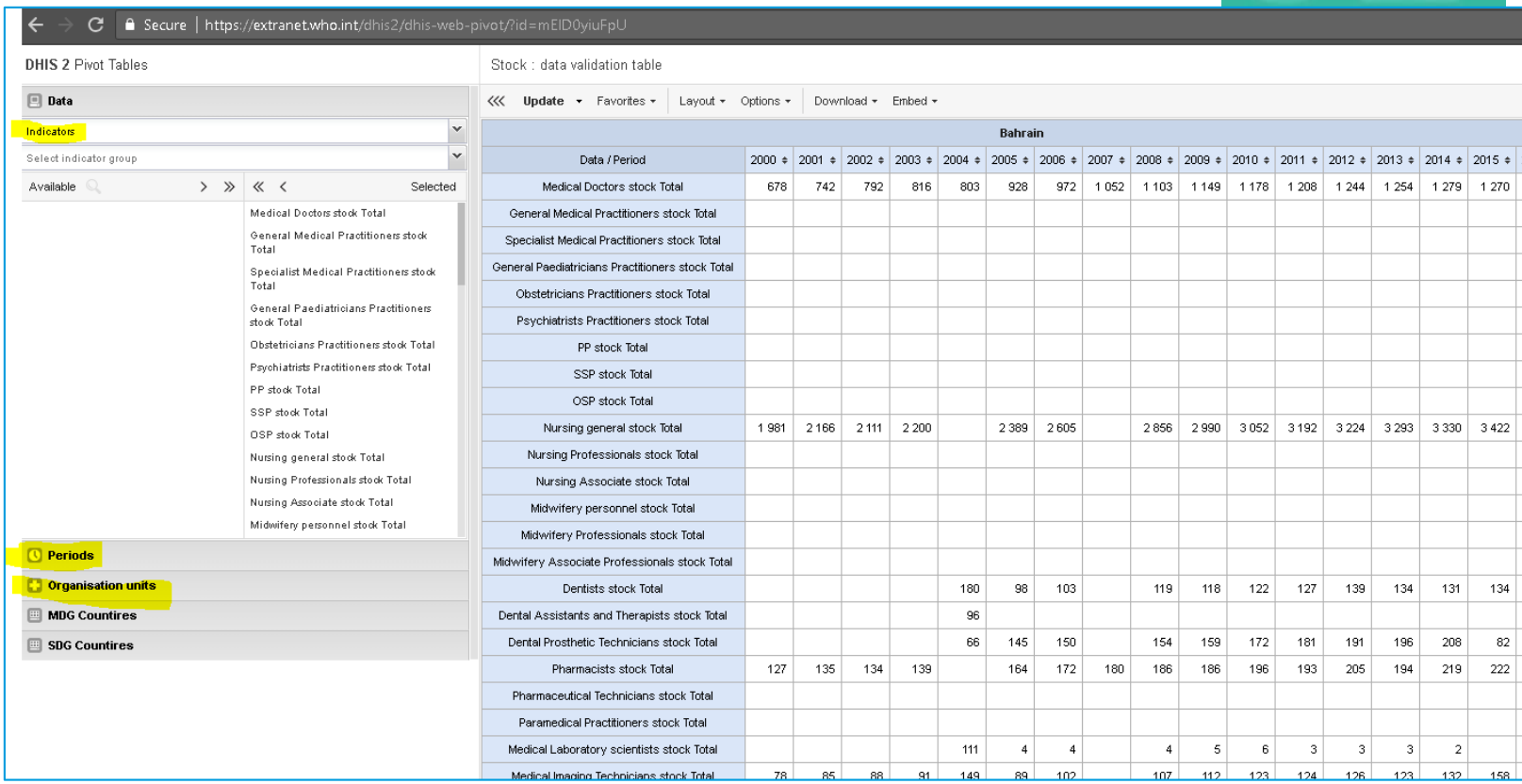
Access to an interactive dashboard

NHWA reports

Access to the NHWA reports

Pivot tables

- User can select country, year, indicator to create pivot table
- Export in various formats
  - Tabulated (xlsx, csv, HTML etc)
  - Raw data (JSON, XML etc)

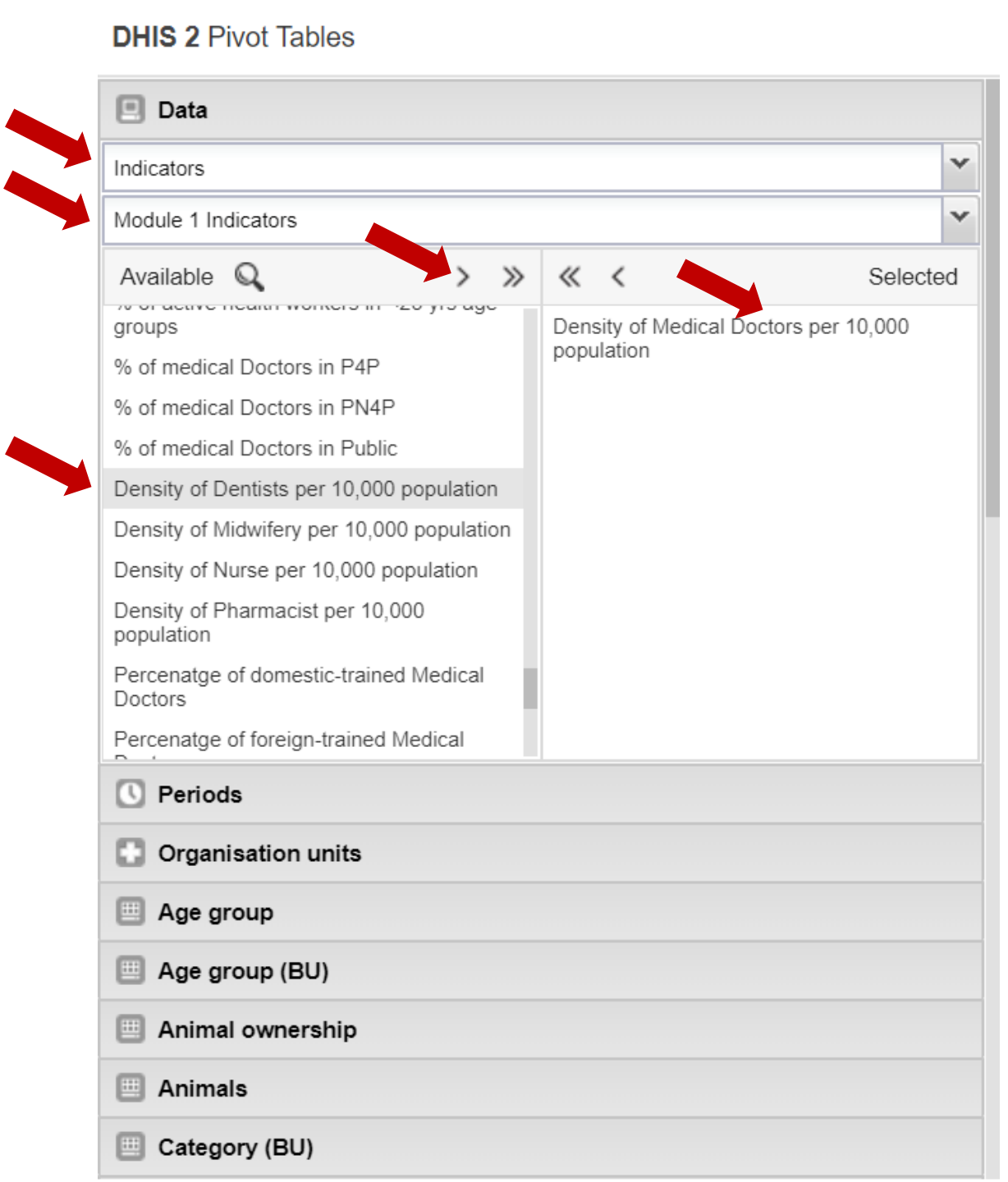


Data / Period	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Medical Doctors stock Total	678	742	792	816	803	928	972	1 052	1 103	1 149	1 178	1 208	1 244	1 254	1 279	1 270
General Medical Practitioners stock Total																
Specialist Medical Practitioners stock Total																
General Paediatricians Practitioners stock Total																
Obstetricians Practitioners stock Total																
Psychiatrists Practitioners stock Total																
PP stock Total																
SSP stock Total																
OSP stock Total																
Nursing general stock Total	1 981	2 166	2 111	2 200		2 389	2 605		2 856	2 990	3 052	3 192	3 224	3 293	3 330	3 422
Nursing Professionals stock Total																
Nursing Associate stock Total																
Midwifery personnel stock Total																
Midwifery Professionals stock Total																
Midwifery Associate Professionals stock Total																
Dentists stock Total					180	98	103		119	118	122	127	139	134	131	134
Dental Assistants and Therapists stock Total					96											
Dental Prosthetic Technicians stock Total					66	145	150		154	159	172	181	191	196	208	82
Pharmacists stock Total	127	135	134	139		164	172	180	186	186	196	193	205	194	219	222
Pharmaceutical Technicians stock Total																
Paramedical Practitioners stock Total																
Medical Laboratory scientists stock Total					111	4	4		4	5	6	3	3	3	2	
Medical Imaging Technicians stock Total	78	85	88	91	149	89	102		107	112	123	124	126	123	132	158

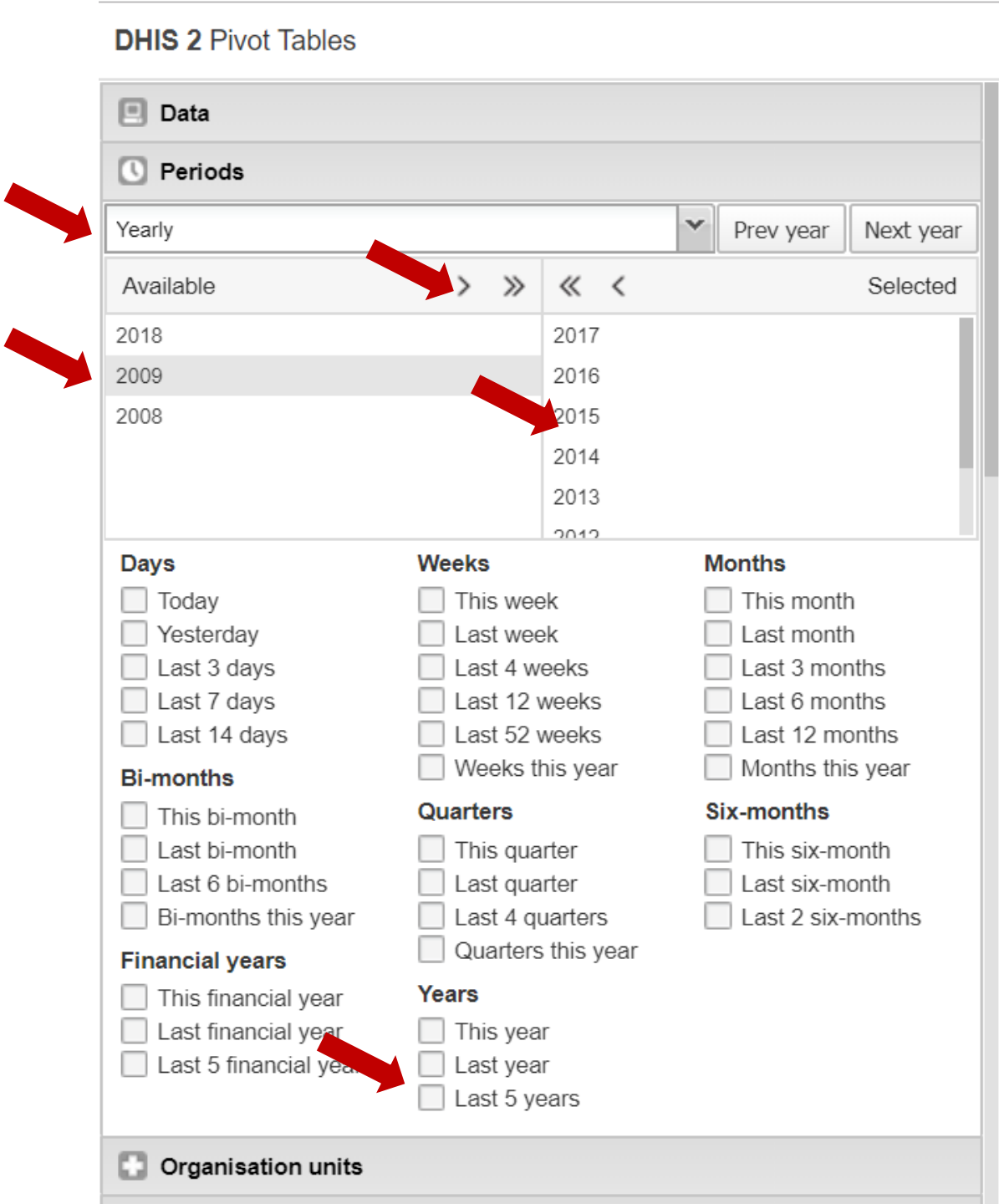
Pivot table, interface **Data selection**

Terminology :

- Data (indicators, data element)
- Periods (year)
- Organisation unit (country)

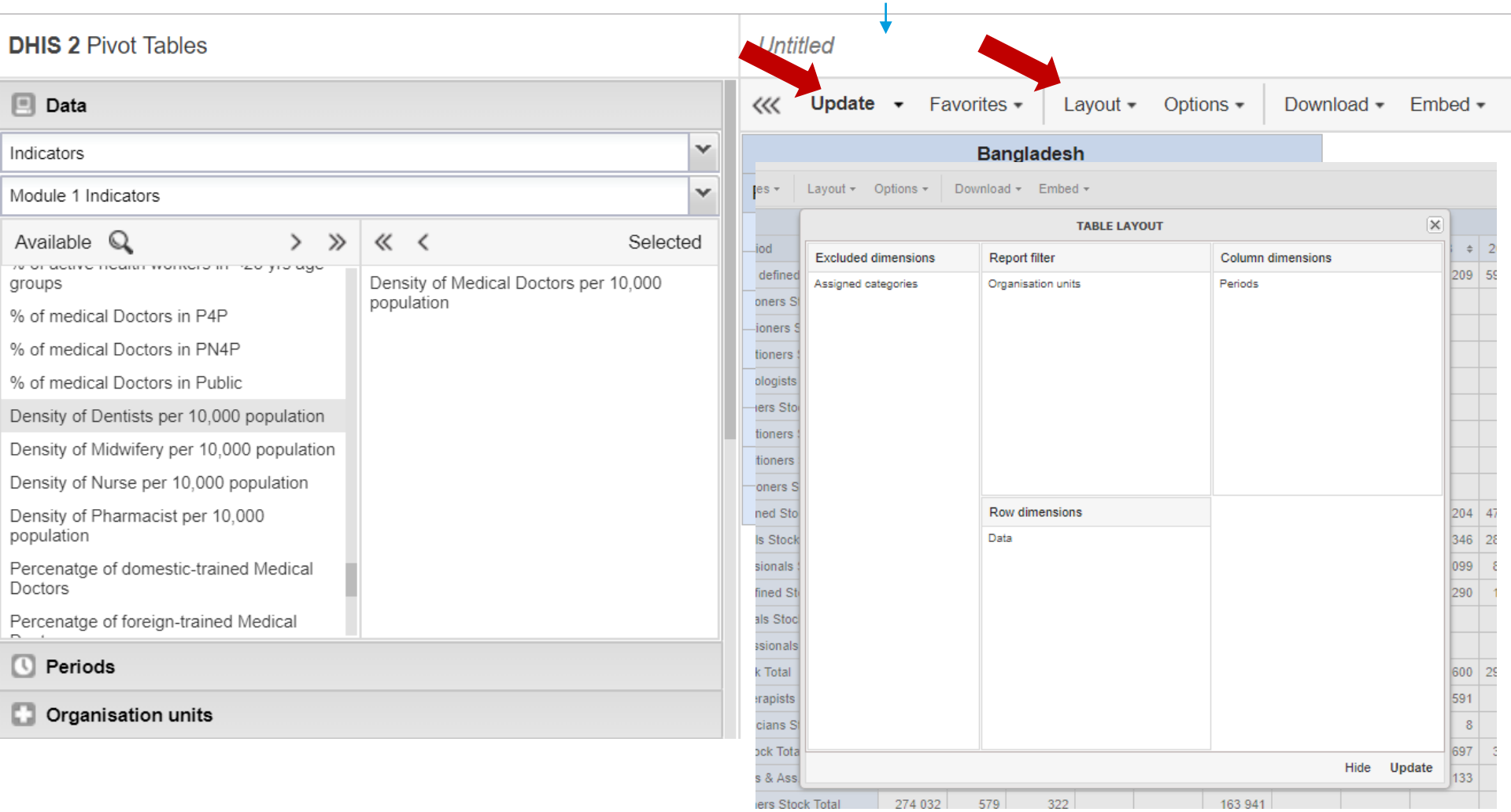


Pivot table, interface **Period selection**

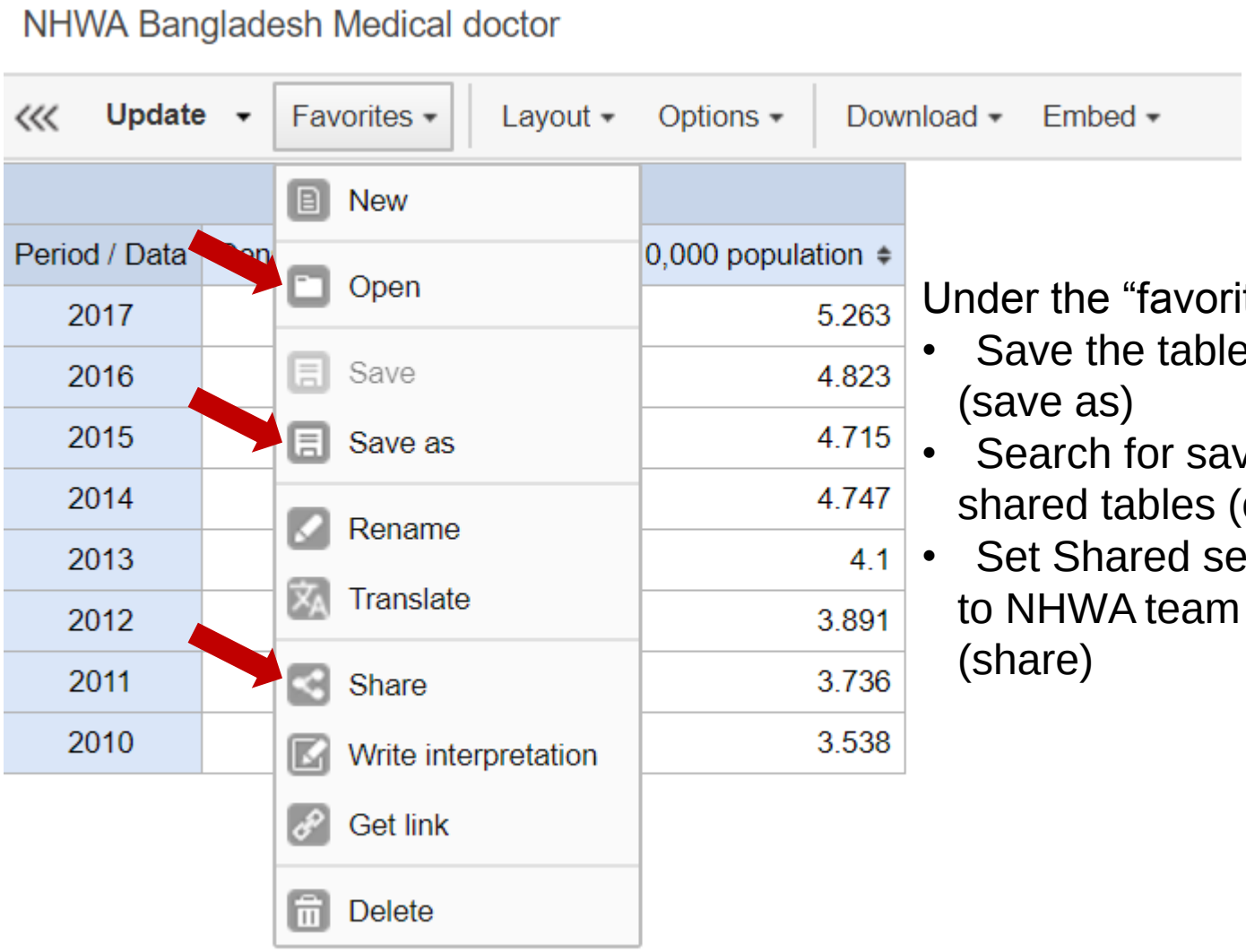


Manipulate a table/graph/…

Layout: manage table



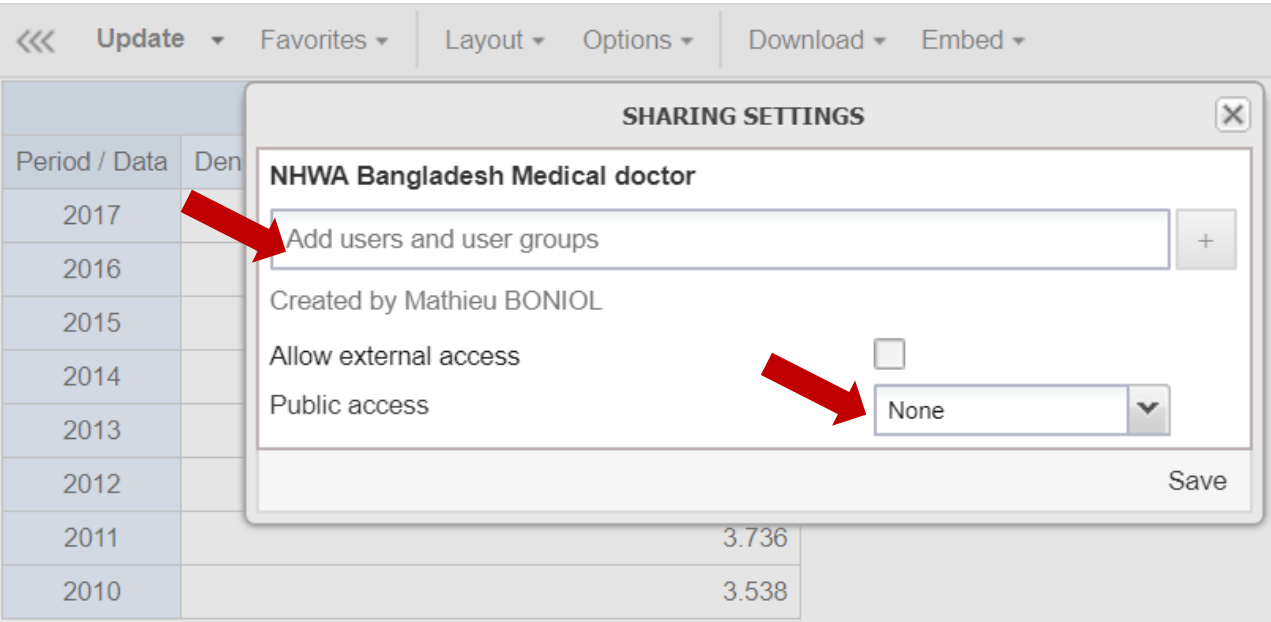
Save/open a table/ graph/…

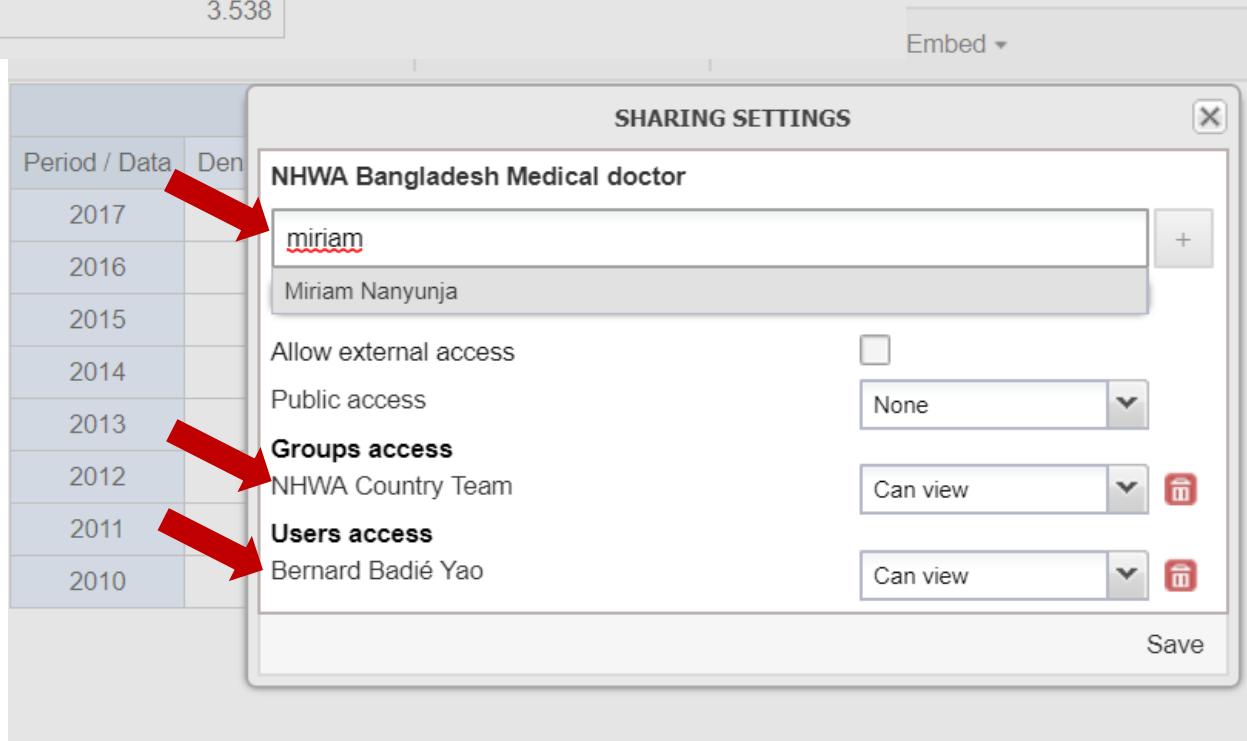


Under the “favorites”:

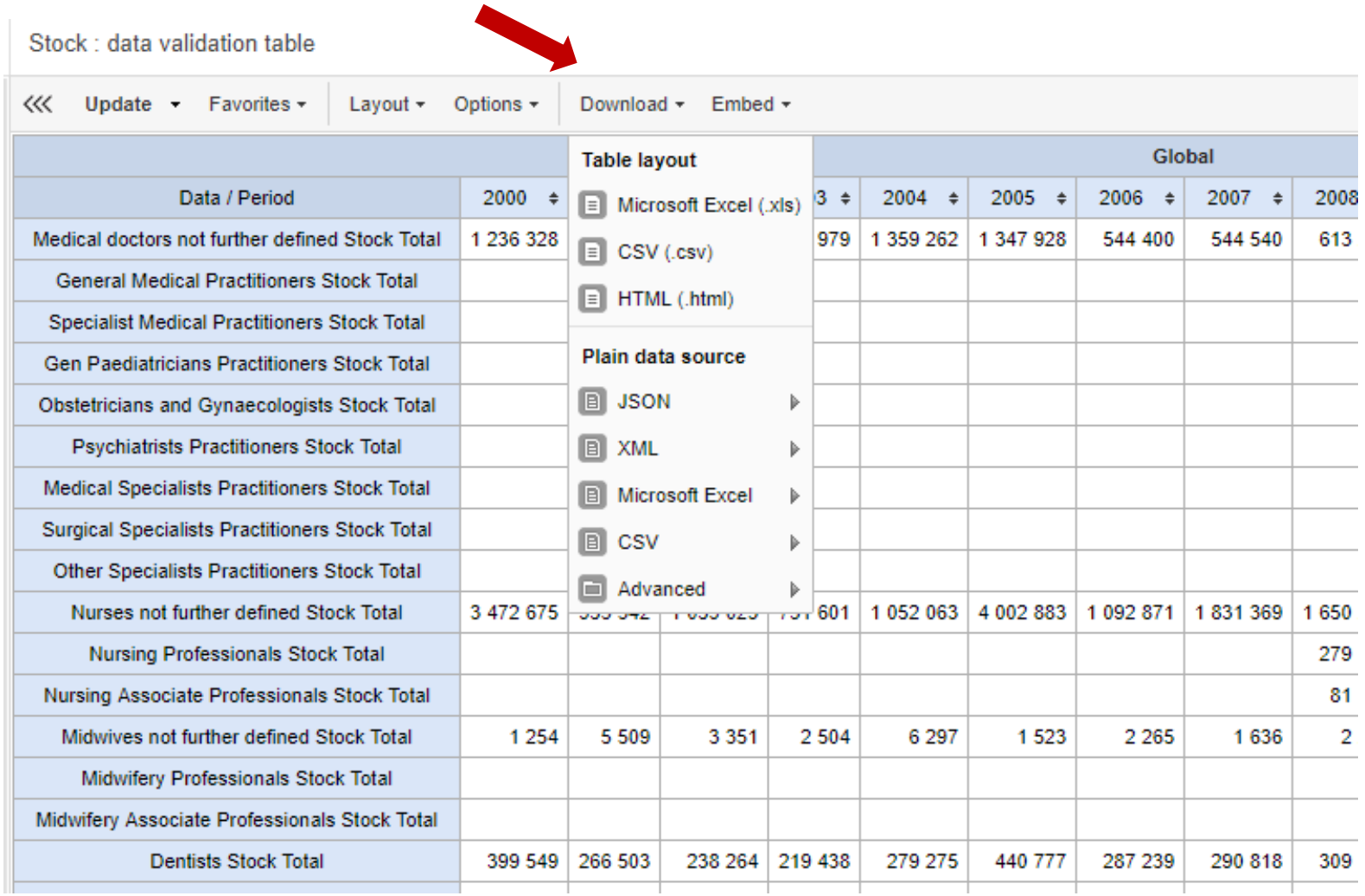
- Save the table/ visual (save as)
- Search for saved and shared tables (open)
- Set Shared settings to NHWA team (share)

Defining sharing settings



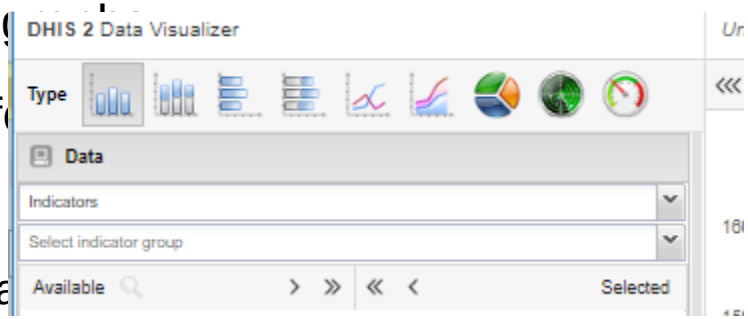


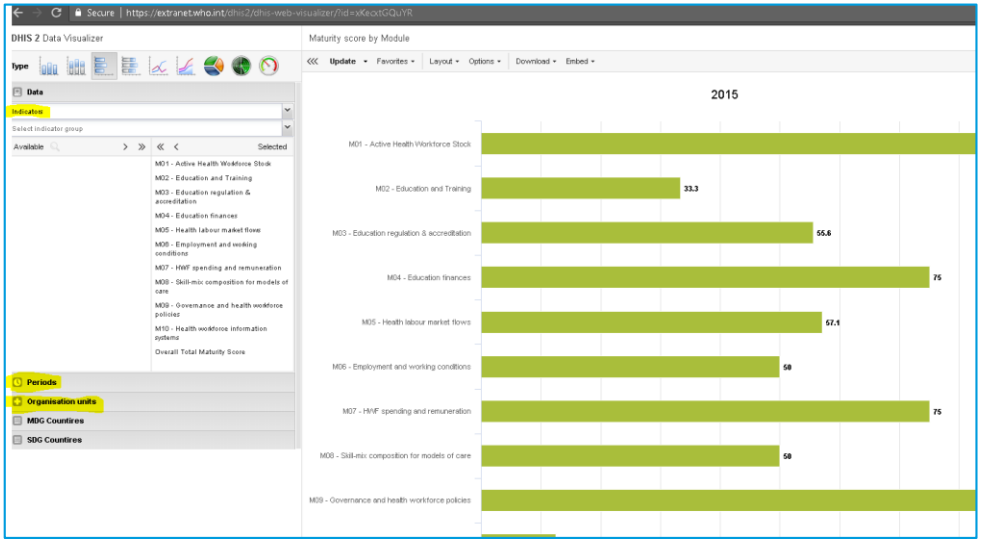
Download options

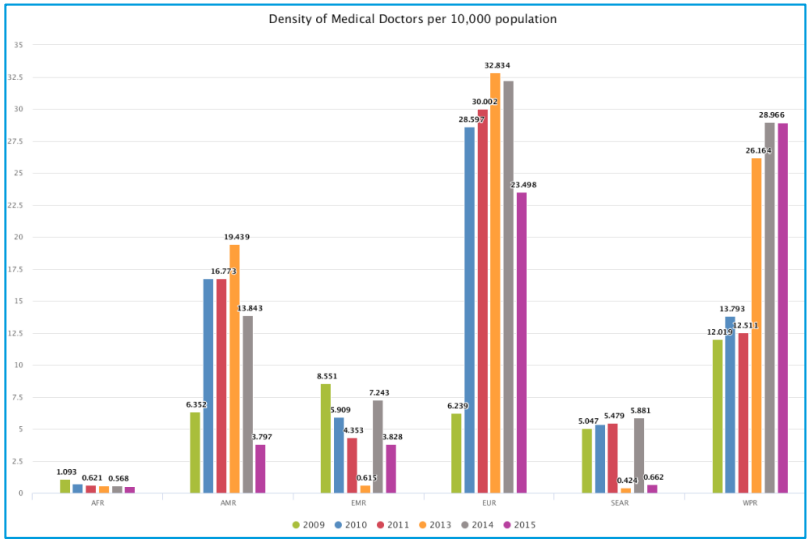


Data visualization

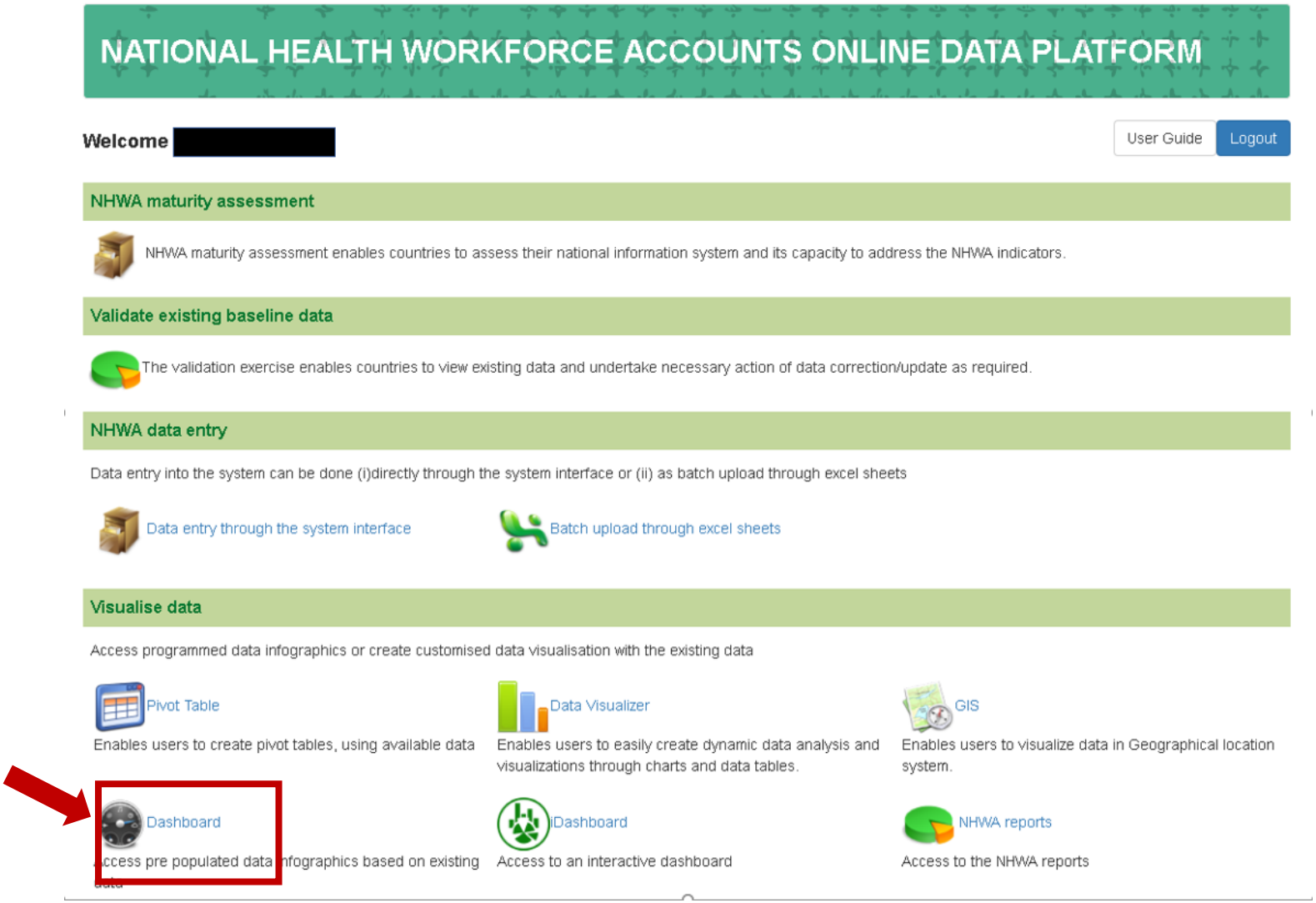
- Saved Pivot table can be viewed as a chart
- A new chart can be created
- Selection of country, year, indicator to create g
- Data and graphs can be exported in various f
  - Graphical (png, pdf)
  - Tabulated data (xlsx, csv, HTML etc) or raw da







Dashboards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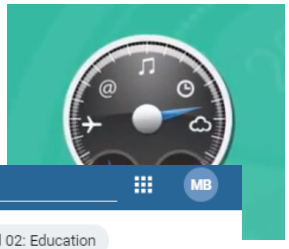
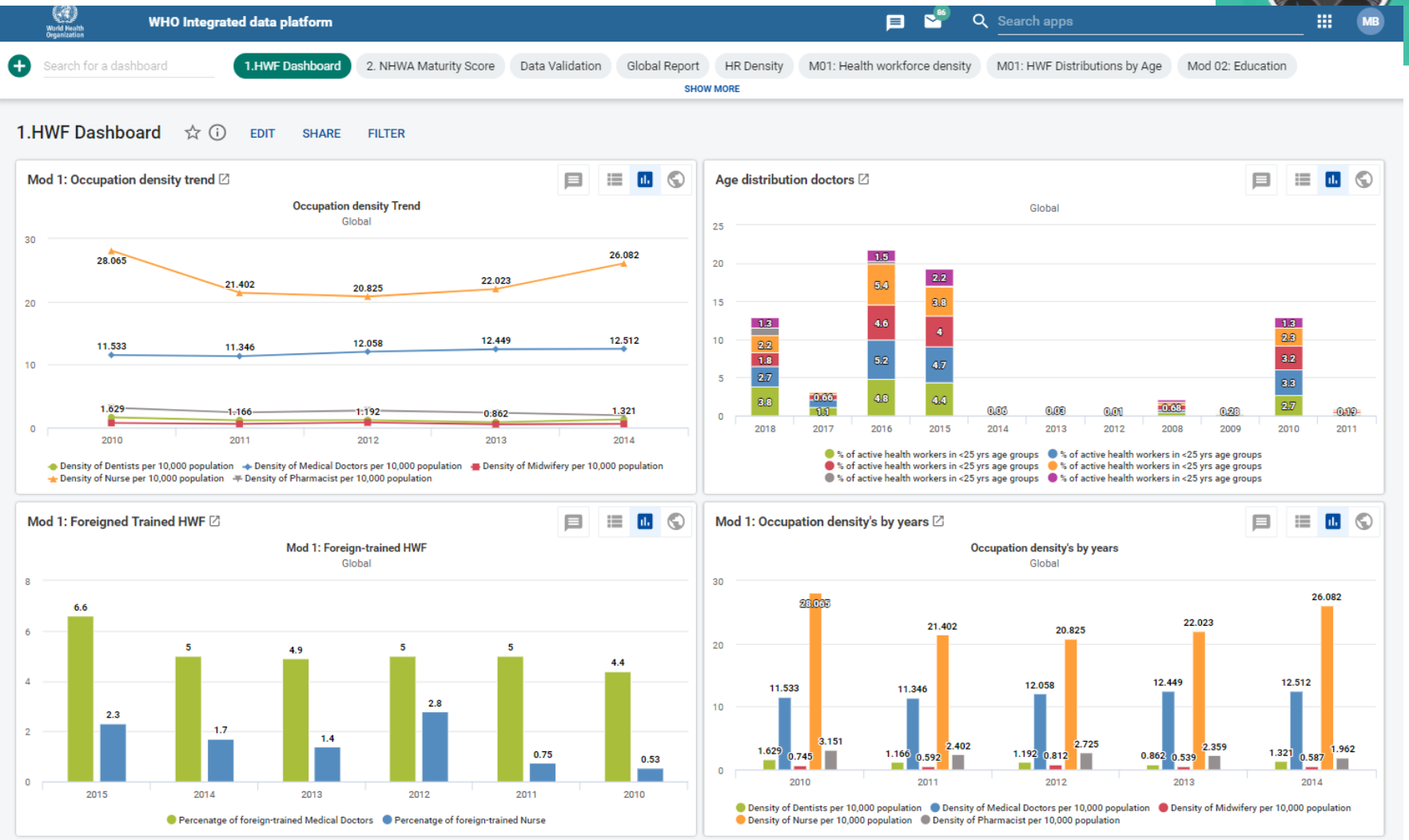
Dashboard

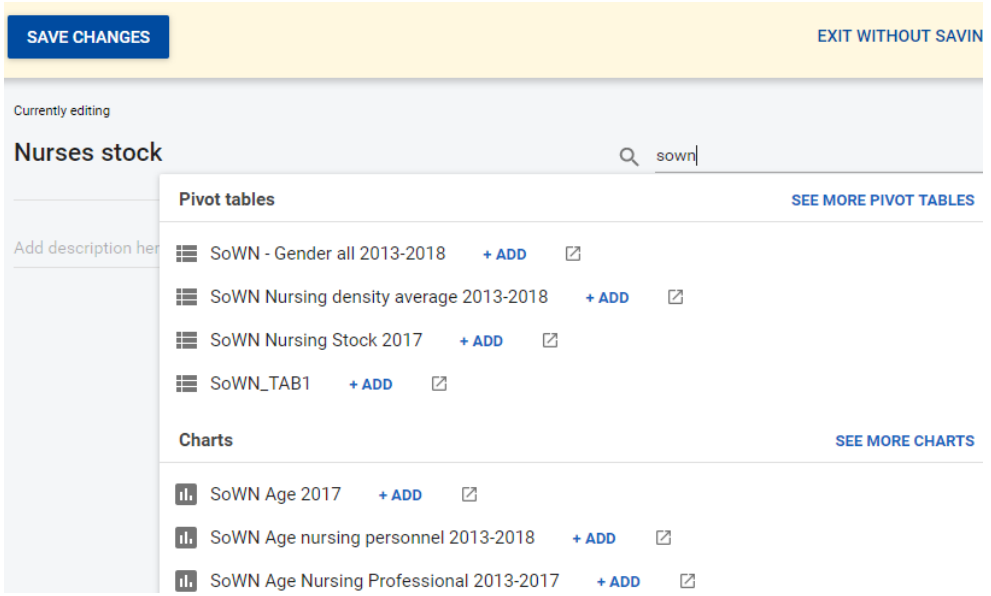
- Display tables and graphs already created, prepopulated dashboards by NHWA module
- Possibility to create your own dashboards



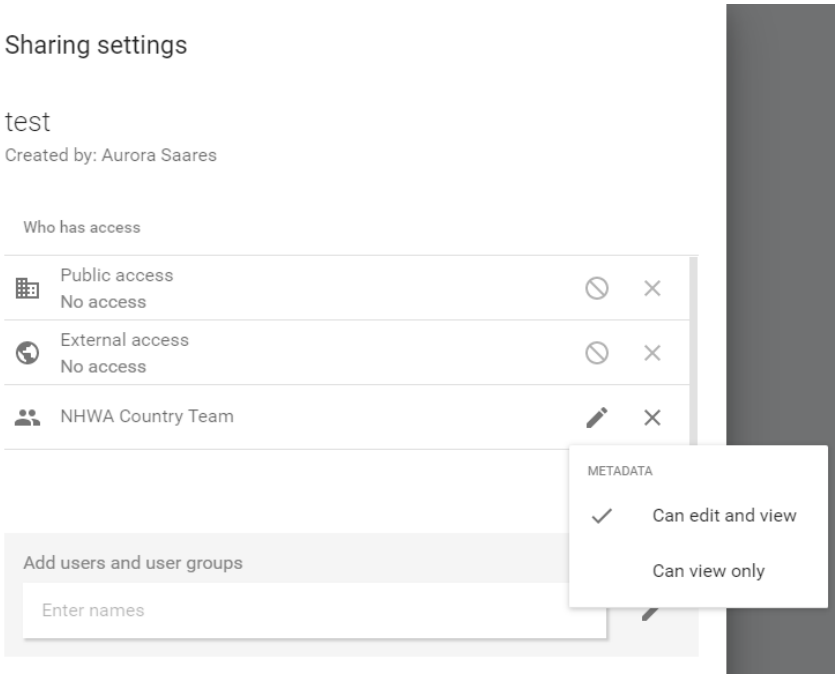


Dashboards

- Add tables, charts to existing dashboards or create a new dashboards, mark favorite dashboards



- Set shared settings to NHWA country team /NHWA regional team
  - Not to be public



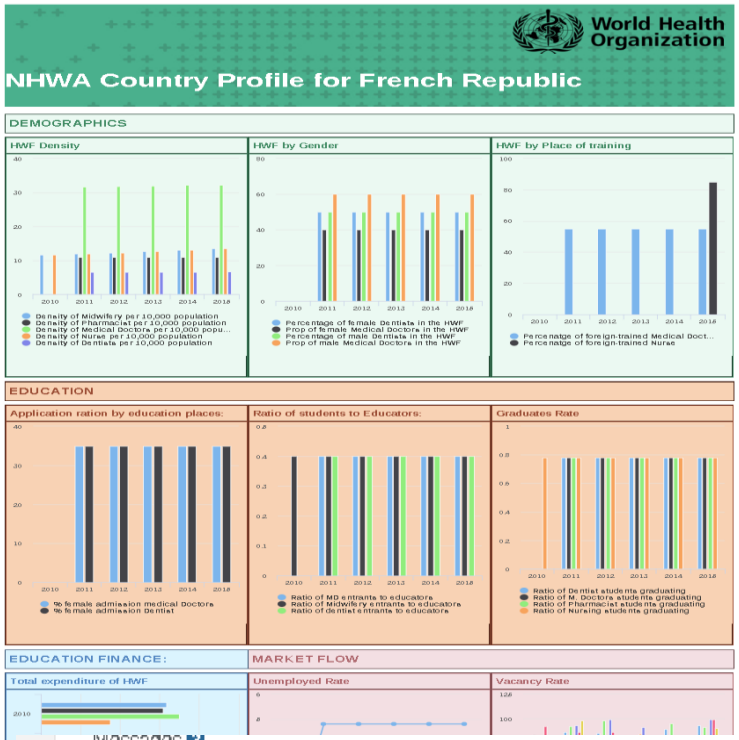
Maturity assessment dashboard

- NHWA dashboard presents the assessment results for easy interpretation and becomes a valuable resource for stakeholders dialogue at the national level.

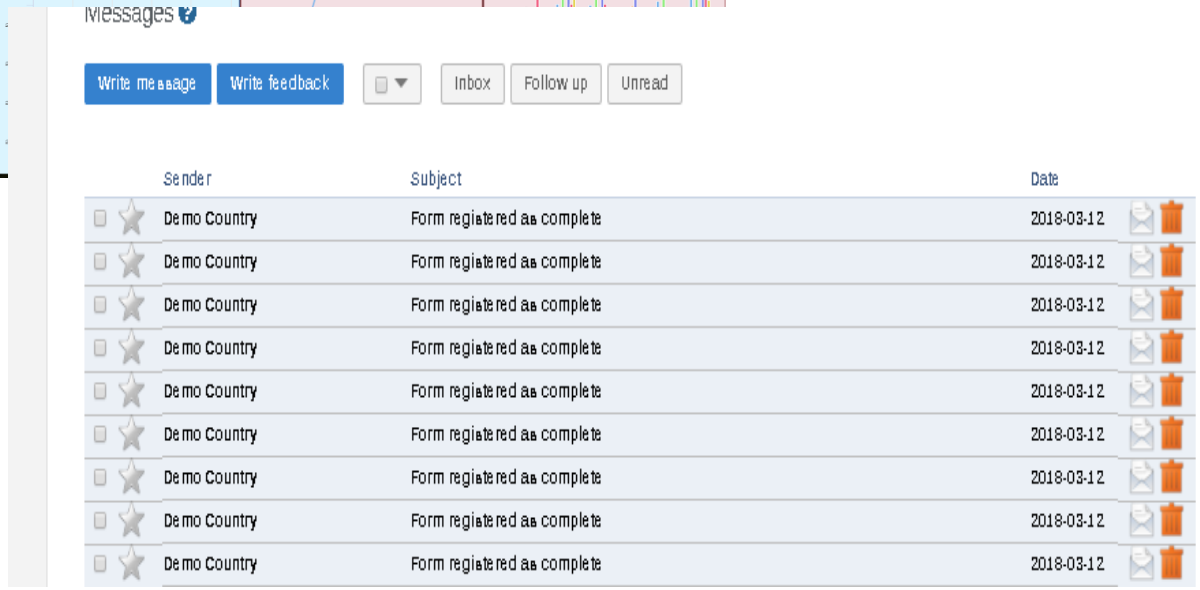
- Green indicates that country has the country ‘has data on’ a particular indicators, while Red indicating that ‘country does not have data ’ on a particular indicators

Other tools

Country profiles (in “report”)



Messaging



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WHO Integrated data ...

DHIS 2 browser cache cleaner

Session storage

ouUseShortName	☐
ouSelected	☐
dhis2.de.cst.metaData	☐
dhis2.de.cst.dataSetAssociations	☐

Local storage

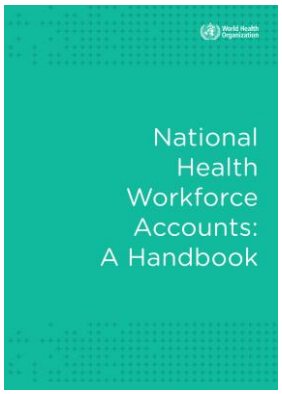
dhis2.menu.ui.headerBar.title	☐
formversions	☐
ouUsername	☐
ouVersion	☐
usersettings	☐
dhis2.menu.ui.headerBar.userStyle	☐
datavalues	☐
dhis2.dashboard.current.a.saares	☐
ouRoots	☐
loglevel	☐

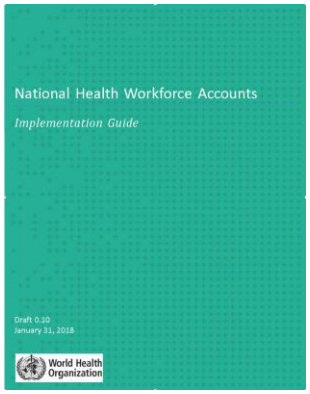
indexedDB

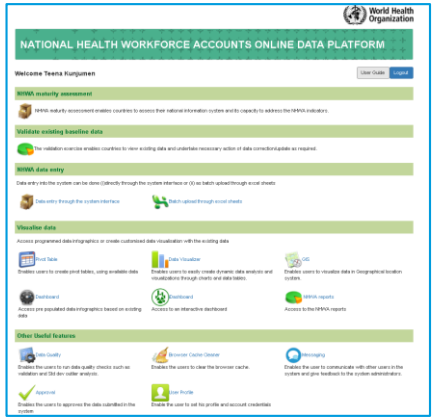
dhis2ou	☐
dhis2de	☐

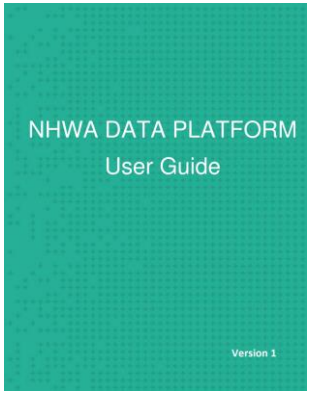
Clear | Select all

Resources









https://www.who.int/hrh/statistics/nhwa/en/

Contact us at hrhstatistics@who.int

Exercises – part II

Connection https://extranet.who.int/dhis2-demo/dhis-web-commons/security/login.action

- 2.1 – **Approve data entered yesterday**
- 2.2 – **Pivot table**
- 2.3 – Data **visualizer**
- 2.4 – **Dashboard**

Connection **https://extranet.who.int/dhis2-demo/dhis-web-commons/security/login.action**

Exercise 1 – Data approval

- On landing page, go to Approval
- Select module and year you entered data yesterday
- Review the data and approve

Exercise 2 – Pivot table

- Go to pivot table
- Select data element, all data elements → nursing personnel stock (use search function)
- Select period (year you entered data)
- Save the table and define sharing settings for certain groups : NHWA Country team, NHWA Regional team and NHWA Global team, eventually share as visualization only for participants of the same country.

Exercise 3 – Visualization

- Click Chart in top right corner → open this table as a chart
- Visualize in
- Line plot with data from Table 1
- Bar chart with data from Table 1
- Pie chart with data from Table 2
- Save charts and define sharing settings (as per exercise 2)

Exercise 4 – Dashboard

4.1. Create a Dashboard with pivot tables and charts created in exercises 2 and 3.

4.2. Define sharing settings of your Dashboard.

4.3. Add comments and save as favorite

Thank you

World Health Organization

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1211 Geneva

Switzerland

Contact us:
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https://www.who.int/hrh/statistics/nhwa/en/