



HEALTH SYSTEMS TRUST

Step-by-Step Guide to using the DISTRICT HEALTH BAROMETER (DHB) Data File

1. Open the file DHBData_2006-07.xls by clicking on it.
2. The first page (which opens into the 'Data_Socio' worksheet) will look like this:

- Along the left (a) are the province and district names as well as coding to tell you if the district is a metro or ISRDP or cross-border district.
- Along the top (b) are the indicators, each indicator is in a different colour with the data presented by year.
- The red-yellow-green colour coded ranking (c) tells you if the district is in the top, middle or bottom third of SA with respect to the relevant indicator.
- At the bottom of the file you will see a number of tabs. Currently the tab (worksheet) that is open (d) is Data_socio, which is the section with all the socioeconomic data.
- The tab Data_socio is the first of all the tabs and is on the furthest left-hand side of the spreadsheet. From there, to get to each tab and subsequent worksheet you will move along to the right. (Use arrows on left to uncover obscured tabs.)
- Moving along (by clicking on each tab individually) you will see all the other indicator sections, these are:

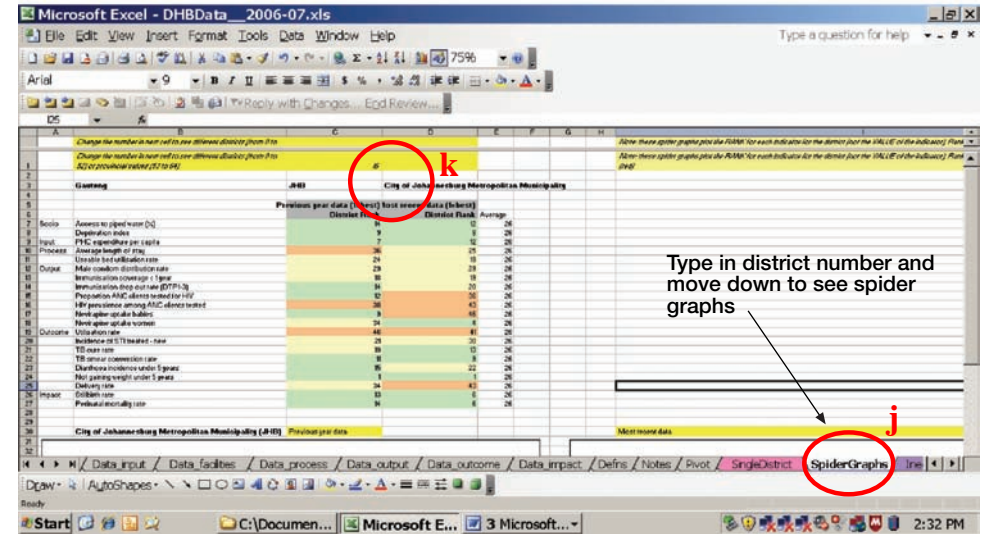
- o Data_input (all the input indicators)
- o Data_facilities (summary of facilities in the public and private sector and number of beds)
- o Data_process (all the process indicators)
- o Data_output (all the output indicators)
- o Data_outcome (all the outcome indicators)
- o Data_impact (all the impact indicators)
- o Data_definitions (all the indicator definitions)
- o Notes (notes about data quality issues by indicator/district)
- o Pivot (the pivot table by district which you can use to select your own views)
- o SingleDistrict (single district profile)
- o SpiderGraphs (spider graphs per district)
- o Inequalities (indicators compared by socio-economic quintile)

3. Returning to the first worksheet (the Data_socio tab) if you scroll down the page to the bottom of the worksheet page, you will see emboldened entries (as indicated by the red circle (e) in the screenshot below):

4. These entries are the province, metro and ISRDP and SA averages. Each successive tab has the same layout, with the districts first and then all the provinces below. Below each indicator column and at the bottom (in the purple cells) you will see the source for each indicator, whether StatsSA, DHIS, HEU, TB register or Treasury, etc.
5. Single District Profiles
In order to get the profile (detailed data) of a particular district you will need the district's "unique identifying number". This appears in the first (yellowed) column of the 'Data_socio' worksheet (f) besides the name of the district you want to profile (e.g. City of Johannesburg is number 16).

Province Code	Type	Dist	ISRDP Metro	Cross-District	Population
16	GP	DC42			911 447
17	GP	DC46			202 419
18	GP	DC48		Y	777 771
19	GP	EKU	Metro	Y	2 476 129
20	GP	JHB	Metro	Y	3 176 946
21	GP	TSH	Metro	Y	2 052 935
22	KZN	DC21	ISRDP	Y	695 105
23	KZN	DC22		Y	980 654

6. Spider Graphs. Go to the blue tab marked SpiderGraphs (j), which is next to the Single District tab. The page looks as follows:



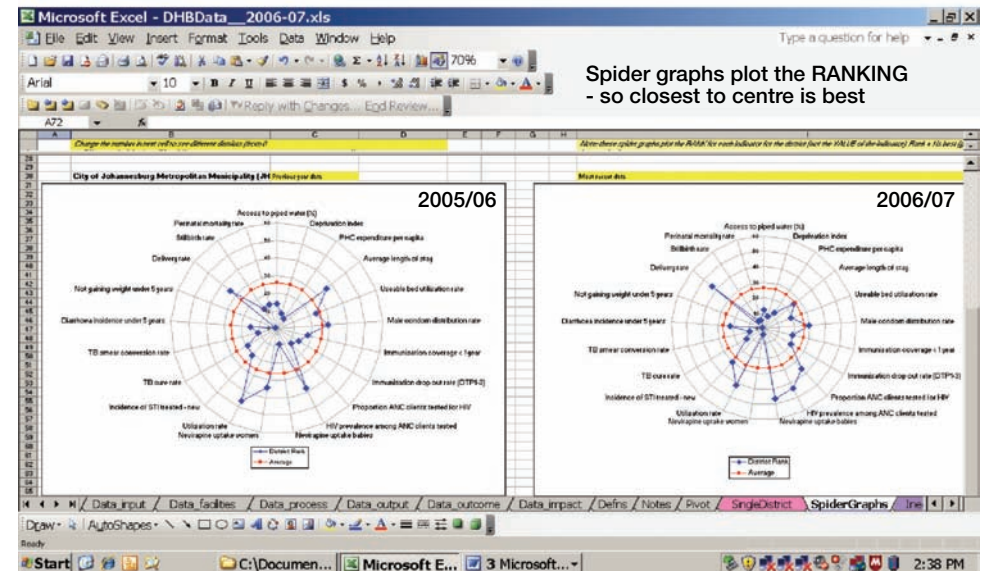
Type in district number and move down to see spider graphs

Now go to the pink worksheet tab (g) marked SingleDistrict, which looks like the screenshot below:

Indicator	2003/04	2004/05	2005/06	2006/07	2007/08
Population total	2 444 444	2 540 413	3 298 132	4 794 347	6 244 347
Population under 1 year	12 529	16 029	17 593	19 254	21 024
Population density	1 999	2 000	2 000	2 000	2 000
Medical aid coverage (%)	97.0	96.1	11.4	11.7	81.9
Access to piped water (%) - 2001 and 2005	2.37	1.60	8	8	8
Deprivation index - 2001 and 2005 (high value = most deprived)	5	5	5	5	5
Socio-economic index - 2001 and 2005 (1=poor, 5=best)	31	31	8	47.2	47.2
Power rate (% households with separate +FR03pm)	451	305	307	12	250
Non-hospital PHC expenditure per capita - 2001/02 and later (real)	6.2	7.2	7.2	4.7	4.7
% District health services expenditure on District Management	7.8	7.8	43.6	43.6	43.6
% District health services expenditure on District Hospitals	777	952	954	954	954
Cost per FDE	23.2	18.8	17.7	24.5	29.9
Nurse clinical workload	4.1	3.9	4.4	4.1	25
Average length of stay (ALOS)	49.2	51.1	69.0	66.9	65.4
Bed utilisation rate (BUR)	2.0	12.5	8.5	7.8	20
Clinic supervision rate	79.0	93.6	87.9	88.9	19
Male condom distribution rate	6.1	6.2	2.9	2.0	3.0
Immunisation coverage + 1 year	6.7	13.7	14.7	14.7	14.7
Immunisation drop out rate (DTP1-3)	30.1	60.4	63.8	64.5	36
Caesarean section rate	25.7	28.4	29.6	31	23.7
Proportion ANC clients tested for HIV	10.6	10.6	22.5	41	23.7
HIV prevalence among ANC clients tested (DHHS)	37.0	37.0	37.0	46	47.0
HIV prevalence among ANC clients tested (survey)	31.1	31.1	31.1	31.1	31.1
Neonatal uptake rate among newborn babies of HIV+ women	73.0	57.9	65.1	37.1	46
Neonatal uptake rate among newborn babies of HIV+ women (survey)	31.1	31.1	31.1	31.1	31.1

Type the district number, 16, in the yellow section at the top of the page (h) and press enter and the profile for the City of Johannesburg will display in the worksheet. Typing in another number, for instance 3 (and enter), will change all the information to reveal the district profile for Ukhahlamba District Municipality.

Type in the "unique identifying number" of the selected district in the yellow section (ringed as (k) above) and scroll down the page to view the Spider graphs, which will be automatically generated for that particular district. The graph on the left is 2005/06 data and the graph on the right is 2006/07 data.



Spider graphs plot the RANKING - so closest to centre is best

Remember that with Spider graphs the relevant RANK for each indicator for a district is plotted and not the indicator value itself.

The red circle on the Spider graph is the mid-point (ie rank 26 out of 52 districts), so the further outside the red circle, the worse the relative performance and the closer to the centre the better.) In order to see the Spider graphs of another district, simply go back to the Data_socio tab, (furthest on the left of all the tabs) and look up the new district's "unique identifying number" (yellowed column) of the relevant district, in the same way as for doing a district profile. Completed spider graphs for each district can also be seen in the folder called 'Spider graphs' on the main menu on this CD.