

Review of Sudan Population Data at Locality Level

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1 Comparing S3M results locality list with CBS-provided locality populations

Below is a table of number of localities in per state from the S3MII side-by-side with the table of number of localities per state from the CBS data on populations.

##		S3M nLocalities		CBS nLocalities
## 1	Al-Gadarif	12	Gedaref	12
## 2	Al-Gazeera	8	Gezira	8
## 3	Blue Nile	7	Blue Nile	7
## 4	Central Darfur	9	Central Darfur	9
## 5	East Darfur	9	East Darfur	9
## 6	Kassala	11	Kassala	11
## 7	Khartoum	7	Khartoum	7
## 8	North Darfur	19	North Darfur	18
## 9	North Kordofan	8	North Kordofan	8
## 10	Northern	7	Northern	7
## 11	Red Sea	10	Red Sea	10
## 12	River Nile	7	River Nile	7
## 13	Sinar	7	Sennar	7
## 14	South Darfur	22	South Darfur	21
## 15	South Kordofan	17	South Kordofan	17
## 16	West Darfur	9	West Darfur	8
## 17	West Kordofan	14	West Kordofan	14
## 18	White Nile	9	White Nile	9

There is general agreement between the two lists with regard to the localities that they report on. The differences between North Darfur, South Darfur and West Darfur is accounted for by the IDP camps in each state that have been counted as separate “localities” or survey domain/area in the S3MII (see next point below on IDP camps).

When actual locality names are compared between the two lists, however, there is variance across the names which is already expected. For the most part, locality names can be matched. When matching, we will use the locality results for S3MII as the standard for the spelling and will adjust spelling from CBS accordingly.

2 Missing population for specific localities

The other issue now is the missing data on population for certain localities:

##	state	locality	pop
## 4	Blue Nile	Wd almahi	NA
## 11	Central Darfur	Rokero	NA
## 12	Central Darfur	Golo	NA
## 33	Gezira	algurashi	NA
## 42	Gedaref	Elmfaza	NA
## 43	Gedaref	Basunda	NA
## 74	North Darfur	Dar-Alsalam	NA
## 77	North Darfur	Am baro	NA
## 80	North Darfur	alteena	NA
## 81	North Darfur	Kranoy	NA
## 102	Red Sea	Dordaib	NA
## 105	Red Sea	Gabait	NA
## 113	River Nile	Elbohira	NA
## 157	South Kordofan	Alburam	NA
## 158	South Kordofan	Heban	NA
## 165	West Darfur	Jable mon	NA
## 178	West Kordofan	Abyei	NA
## 180	West Kordofan	Elmairam	NA
## 182	White Nile	Guli	NA

The possible solution will be to find the data for this from the UNFPA data that was shared earlier. On review, we couldn't match these locality names with the names on the UNFPA list. This might be due to spelling or that the UNFPA list does not have the most current locality list.

We would need UNICEF to tell us how it would like to deal with these missing populations.

3 IDP camps

In the previous results, we have agreed with UNICEF that we will treat the IDP camps as if they were their own "locality" or their own survey domain when reporting results at the locality level and then including the IDP camp data/results when estimating the indicators for the state in which they are located. So, For South Darfur, North Darfur and West Darfur estimates, the respective camps contributed to the sample.

For this new analysis, we need UNICEF to indicate that this is still how they want to deal with the IDP camps. If so, then we need population sizes for the IDP camps.

Moving forward, we will treat the IDP camps as separate special areas and estimate the indicators for these areas via bootstrap but we will not include these IDP camps in estimating the indicators for the state in which they are situated.