Subject: Senegal SPA 2012-2015, Drug Availability in Health Facilities
Posted by EniGee on Wed, 05 Jul 2017 10:08:43 GMT

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Dear forum members/admins,

I am conducting research about the availability of antimalarials, TB and ARVs in health facilities (public and private) in Senegal.

For this, I am examining the Data provided in the 2012-2013, 2013-2014 and 2014-2015 SPA. I have created an index for each of the drug types I am looking at by combining several variables into a single one. My outcome variable is binary (Available/Not Available) and the independent variables that are suited as control variables are 'region, managing authority status, urban vs. rural'.

What I would like to know is whether there is a method that is best suited to conduct a trend analysis on the availability of these 3 types of drugs.

I am still struggling with how to incorporate an interaction term and whether 'month' or 'year' would be most appropriate as a time indicator. From what I understand, the merged dataset is not a panel dataset, so that brings up the question of how to best consider the weights assigned (sample weight for each of the 3 surveys is a weight assigned to facilities).

Many thanks in advance and best wishes,

Eunice