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Subject: Need to calculate country weight based on facilities when combining two SPA surveys?

Posted by [masjas](#) on Mon, 25 Jul 2016 13:39:28 GMT

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Using data from the SPA survey Tanzania and Namibia we are interested in exploring the association between health care providers characteristics and their response to question w167 (dichotomized in yes and no).

We want to conduct multilevel mixed effect logistic regression analyses (MELOGIT in STATA), including random effects for health providers, health facility and country. Within each country we are using health provider weights and facility weights. In Kenya 695 facilities are included and in Tanzania 611. I am doubting whether to calculate a country weight to ensure more equal weight of the countries in the combined analyses or accepting that Kenya contributes with more facilities (and more health providers) compared to Tanzania? Would you be able to give me advise?

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