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Subject: Sample size formula DHS survey

Posted by [arjumand](#) on Mon, 09 Dec 2019 08:04:53 GMT

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I read the sampling manual of DHS ,september 2012. The sample size formula given is  $deft^2 \cdot (1/p-1)/a^2$  (without adjustment of response rate)

While usually for cross-sectional surveys we used simple asymptotic formula  $deft \cdot 1.96^2 \cdot p \cdot (1-p)/a^2$  . Can you please explain the difference in the two.

Moreover , The sample size calculation formula for MICS survey use relative margin or error  $(0.15(p))^2$  or  $(0.12(p))^2$  . Why is it important to use relative margin or error instead of absolute margin of error?

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