
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 $d^2 \cdot (1/p-1)/a^2$ (without adjustment of response rate)

While usually for cross-sectional surveys we used simple asymptotic formula $d^2 \cdot 1.96^2 \cdot p \cdot (1-p)/a^2$. 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?
