

Sample size Calculation

The sample size of 341 was calculated using the formula,

$$n = \frac{Z^2_{\alpha} pq}{d^2}$$

Where,

n = the minimum sample size

Z_{α} = the standard normal deviate corresponding to level of significance of 5%=1.96

d = the desired level of precision, 0.05

p = proportion of HCW exposed to needle stick injury in Northern Uganda = 0.28 [11]

q = 1- p = 0.72

10% non-response rate brings n=341