$$n=\frac{(zα/2)^{2}×p(1-p)}{d^{2}}= \frac{(\frac{zα}{2})^{2}×0.268(1-0.268)}{(0.05)^{2}}$$

$$=\frac{(1.96)^{2}×0.196}{0.0025}=301$$

Where

* n= sample size
* $zα/2$= 95% CI
* p=population proportion
* d= margin of error