Supplementary information

Equation S1: Sample size calculation.

$$n \geq \frac{4z_{\alpha/2}^2 \sigma_0^2}{\delta^2}$$

n: sample size

(1-α) = 0.95 (95%) (Confidence interval) (α=0.05)

Z-score (α/2) =1.960

δ: margin of error (±δ/2)

σ: standard deviation