Reliability formula

Reliability = $\sigma^2 / (\sigma^2 + V)$
where $\sigma^2$ is the systematic variance between hospitals and $V$ is the sampling variance of the sample estimate of a hospital's rate (both on the probability scale):

- $\sigma^2 = \sigma_L^2 p^2 (1-p)^2$, where $\sigma_L^2$ = variance component from model output in logit scale
- $V = p(1-p) / N$,
where $p$ = the overall readmission rate across all hospitals and $N$ = the hospital's volume.