**Supplementary Digital Content 4. Sample Size Calculation for Chart Review**

We considered a range of feasible sample sizes ($n$) and estimated the 95% one-sided confidence lower bounds ($p\_{0}$) for a pre-determined sample PPV/NPV ($\hat{p}$). Lower bound was based on a proportion test. Bonferroni correction was used to adjust alpha ($α$) for two comparisons (PPV/NPV) with an overall $α$ = 0.05. For example, if a random sample of 100 candidate cases are reviewed and the sample PPV reaches 95.0%, the confidence lower bound will be at least 90.7% and we can confidently claim that true PPV is greater than 90%, which is expected to be sufficient for accurately describing aspirin exposure.

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| --- | --- | --- |
| Sample Size ($n$) | Sample PPV/NPV ($\hat{p}$) | Lower Bound ($p\_{0}$) |
| 200 | 0.950 | 0.920 |
| 150 | 0.950 | 0.915 |
| 100 | 0.950 | 0.907 |