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

We considered a range of feasible sample sizes () and estimated the 95% one-sided confidence lower bounds () for a pre-determined sample PPV/NPV (). Lower bound was based on a proportion test. Bonferroni correction was used to adjust alpha () for two comparisons (PPV/NPV) with an overall = 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.

|  |  |  |
| --- | --- | --- |
| Sample Size () | Sample PPV/NPV () | Lower Bound () |
| 200 | 0.950 | 0.920 |
| 150 | 0.950 | 0.915 |
| 100 | 0.950 | 0.907 |