**Additional table 6. Performance of algorithms employing a single reviewer approach.**

|  |  |  |
| --- | --- | --- |
| Algorithm | Loss of Sensitivity (%)aMean [95%CI] | Work-saved (%)bMean [95%CI] |
|  | Derivation | Validation | Derivation | Validation |
| 1 | 1.2% [0.5% - 3.1%] | 0.3% [0.1% - 1.2%] | 25.2% [24.3% - 26.1%] | 32.0% [31.4% - 32.7%] |
| 2 | 0.8% [0.2% - 2.4%]  | 1.2% [0.6% - 2.5%] | 22.2% [21.3% - 23.0%] | 27.5% [26.8% - 28.1%] |
| 3 | 0.0% [0.0% - 1.2%]  | 0.6% [0.3% - 1.7%] | 14.8% [14.1% - 15.6%] | 10.5% [10.1% - 10.9%] |
| 4 | 1.9% [0.8% - 4.0%]  | 1.3% [0.7% - 2.6%]  | 37.7% [36.7% - 38.7%] | 48.2% [47.5% - 48.9%] |
| 5 | 1.2% [0.5% - 3.1%]  | 0.8% [0.4% - 1.9%]  | 33.6% [32.6% - 34.5%] | 39.8% [39.1% - 40.5%] |

a Loss of sensitivity is the percentage of eligible citations incorrectly excluded by the algorithm at the abstract level among all eligible citations.

b Work-saved is defined as the percentage of all citations that were excluded by the algorithm without requiring a second assessment by the investigative team.