Table 1. Summary measures of meta-analysis on numbers of diagnostic-related errors and procedural errors

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Total Claims** | **Total # of diagnostic-related errors** | **Frequency** | **Proportion [95% CI]** | **Total # of procedural errors** | **Frequency** | **Proportion [95% CI]** |
| Agout et al. 2018 | 71 | 71 | 6 | 0.085 [0.032; 0.175] | 71 | 64 | 0.901 [0.807; 0.959] |
| Ahmed et al. 2019 | 201 | 603a | 307 | 0.509 [0.468; 0.550] | 1407b | 442 | 0.314 [0.290; 0.339] |
| Atrey et al. 2010 | 341 | - | - | - | - | - | - |
| Burns et al. 2018 | 2671 | 2671 | 541 | 0.203 [0.187; 0.218] | 2671 | 1479 | 0.554 [0.535; 0.573] |
| Gidwani et al. 2009 | 130 | 130 | 68 | 0.523 [0.434; 0.611] | 130 | 79 | 0.608 [0.518; 0.692] |
| Gould et al. 2003 | 14979 | 14979 | 2629 | 0.176 [0.170; 0.182] | 14979 | 9227 | 0.616 [0.608; 0.624] |
| Harrison et al. 2015 | 85 | 85 | 69 | 0.812 [0.712; 0.888] | 85 | 16 | 0.188 [0.112; 0.288] |
| Mouton et al. 2018 | 126 | 126 | 85 | 0.675 [0.585; 0.755] | 126 | 100 | 0.794 [0.713; 0.861] |
| Ring et al. 2014 | 1294 | 1294 | 567 | 0.438 [0.411; 0.466] | 1294 | 292 | 0.226 [0.203; 0.249] |
| Ring et al. 2017 | 1364 | 1364 | 84 | 0.062 [0.049; 0.076] | 1364 | 112 | 0.082 [0.068; 0.098] |
| Rynecki et al. 2018 | 81 | 243a | 154 | 0.634 [0.570; 0.694] | 567b | 196 | 0.346 [0.307; 0.386] |
| Talbot et al. 2014 | 811 | 811 | 101 | 0.125 [0.103; 0.149] | 811 | 100 | 0.123 [0.102; 0.148] |
| **Number of studies** | |  |  | **11** |  |  | **11** |
| **Fixed effect model** | |  |  | **0.216 [0.210; 0.222]** |  |  | **0.541 [0.534; 0.548]** |
| **Random effects model** | |  |  | **0.340 [0.234; 0.465]** |  |  | **0.406 [0.279; 0.547]** |

aNumber of claims related to diagnostic error, diagnostic delay, and treatment delay

bNumber of claims related to procedure error, infection, complication, technique error, postop error, wrong side operated, and inadequate result