**Supplementary Table 1. Major published cohorts on the correlation between proton pump inhibitors and COVID-19**

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| --- | --- | --- | --- | --- |
| Publication | Country | Impact on patients with COVID-19 | | |
| Increase susceptibility | Increase severity | Increase mortality |
| Luxenburger H et al.1 | Germany | Yes | Yes | Yes |
| Vila-Corcoles A et al.2 | Spain | No | - | - |
| Lee SW et al.3 | Korea | No | Yes | Yes |
| Almario CV et al.4 | America | Yes | **-** | **-** |
| Fan X et al.5 | Britain | No | **-** | No |
| Elmunzer BJ et al.6 | America | **-** | No | No |
| Ramachandran P et al.7 | America | **-** | Yes | Yes |
| Zhou J et al.8 | China | **-** | Yes | Yes |
| McKeigue PM et al.9 | Britain | **-** | Yes | - |
| Ullah AZM et al.10 | Britain | **-** | - | No |
| Israelsen SB et al.11 | Denmark | Yes | No | No |
| Liu JJ et al.12 | America | **-** | **-** | Yes |