# Supplemental Table A. Number of manuscripts submitted by continent, gender, and estimated certainty of predicted gender for corresponding author, for the pre-pandemic and pandemic periods (January 1 to May 12, 2020)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pre-Pandemic Period | | | | | Pandemic Period | | | | |
|  | Gender predicted with >95% accuracy | | Gender predicted with 50-94% accuracy | | *Unknown* | Gender predicted with >95% accuracy | | Gender predicted with 50-94% accuracy | | *Unknown* |
| Continent | *Male* | *Female* | *Male* | *Female* | *Male* | *Female* | *Male* | *Female* |
| Africa | 2 | 3 | 1 | 0 | 1 | 3 | 1 | 1 | 1 | 0 |
| Asia | 17 | 17 | 11 | 6 | 4 | 72 | 32 | 95 | 45 | 17 |
| Australia/Oceania | 8 | 4 | 0 | 0 | 2 | 4 | 6 | 3 | 3 | 0 |
| Europe | 13 | 11 | 3 | 1 | 0 | 45 | 19 | 4 | 6 | 0 |
| North America | 181 | 220 | 25 | 46 | 8 | 313 | 343 | 52 | 79 | 8 |
| South America | 5 | 12 | 1 | 0 | 0 | 4 | 6 | 0 | 2 | 1 |

# *Note:* The dates distinguishing the pre-pandemic and pandemic periods were specific to country. Then within each region. We summed the pre-pandemic period authorship and then pandemic period authorship. Observations with gender predicted at estimated accuracy <50% were set to unknown.

Supplemental Table B. Change in manuscript submission productivity comparing pre-pandemic periods to the pandemic, among submissions from the United States by gender, using alternate definition to categorize the pandemic period based on the U.S. federal government declared state of emergency (March 13, 2020 instead of February 25, 2020) (January 1 to May 12, 2020)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *Gender identified with ≥95% accuracy* | | *Sensitivity analysis (All gender identified data)* | |
|  | Men | Women | Men | Women |
| Corresponding Author | 35.0% | 21.6% | 39.1% | 23.9% |
| First Author | 31.0% | 21.6% | 33.7% | 26.6% |

*Note*: The analysis considering “all data” with gender identified includes those with estimated accuracy ≥50%. If estimated accuracy is <50%, the value for gender is set to unknown and not included in this analysis. Comparisons between men and women were not statistically different (p-value >0.05). This percentages relate to changes in the rate of submission (manuscripts/day), not number of manuscripts.