

Supplementary Table 1 Characteristic of the 6 Asia-Pacific countries included in this study

|                                                                                     | Bangladesh | India   | Indonesia | Pakistan | Thailand | Viet Nam |
|-------------------------------------------------------------------------------------|------------|---------|-----------|----------|----------|----------|
| GDP per capita in 2022 (USD per capita)                                             | 2716.5     | 2391.9  | 4798.1    | 1650.3   | 7069.6   | 4086.5   |
| Malaria incidence cases in 2022                                                     | 22451      | 3389400 | 1155531   | 2655017  | 6263     | 412      |
| percentage of health expenditure out of<br>total government expenditure in 2022 (%) | 1.19       | 4.46    | 8.03      | 5.55     | 16.10    | 10.70    |
| universal health coverage index                                                     | 52         | 63      | 55        | 45       | 82       | 68       |
| Human development index in 2021                                                     | 0.67       | 0.644   | 0.713     | 0.54     | 0.803    | 0.726    |
| life expectancy at birth in 2022 (years)                                            | 74         | 68      | 68        | 66       | 80       | 75       |

Supplementary Table 2 The total SU consumption by drug categories in 6 Asia-Pacific countries

|                                         | Bangladesh | India      | Indonesia  | Pakistan   | Thailand    | Viet Nam |
|-----------------------------------------|------------|------------|------------|------------|-------------|----------|
| <b>Total SU consumption</b>             | 4593302    | 1440922210 | 2881844420 | 5763688840 | 11527377680 | 14270231 |
| Artemisinin-based combination therapy   | 245256     | 80673732   | 1521595942 | 4403440362 | 10167129202 | 5408     |
| Artemisinin and its derivatives         | 940        | 52106361   | 52106361   | 52106361   | 52106361    | 1223     |
| Quinine and other quinoline derivatives | 4260386    | 1083029947 | 1083029947 | 1083029947 | 1083029947  | 14263600 |
| Quinine-based combination therapy       | 0          | 18580022   | 18580022   | 18580022   | 18580022    | 0        |
| Other chemical medicines                | 86720      | 20363404   | 20363404   | 20363404   | 20363404    | 0        |
| Traditional Indian ayurvedic medicine   | 0          | 186168744  | 186168744  | 186168744  | 186168744   | 0        |