**Supplementary Table 2: Characteristics of the excluded studies**

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| Study | Reason for exclusion |
| Adler (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Alharbi (2022) | Theoretical model only |
| Alhammadi (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Almuzini (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Amao (2022) | Not study period of interest |
| Antinori (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Antoine (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Aromolo (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Assiri (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Bassi (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Bhosale (2022) | Theoretical model only |
| Bisanzio (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Blackburn (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Bleichrodt (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Brosius (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Brosnan (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Caldeira (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Candela (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Cangahuala (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Cao (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Caria (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Cassir (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Chen (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Chieloka (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Ciccarese (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Davido (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Doncell (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Dou (2023) | Theoretical model only |
| Edwards (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Edwards (2023) | Not availability of full text, only poster abstract |
| El-Mansouri (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| El-Mesady (2022) | Theoretical model only |
| Essajee (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Estévez (2023) | Not availability of full text, only poster abstract |
| Fink (2023) | Not availability of full text, only poster abstract |
| García-Piqueras, P. (2023) | Theoretical model only |
| Girometti (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Govind (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Grau Echevarría (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Harrison (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Hazra (2023) | None of the epidemiological parameters of interest are estimated or reported. |
| Hens (2023) | Not availability of full text, only poster abstract |
| Hofer (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Hoornenborg (2023) | Theoretical model only |
| Kava (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Khan (2022) | Theoretical model only |
| Ko (2022) | Theoretical model only |
| Koh (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Kraemer (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Kwong (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Kyaw (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Liu (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Madubueze (2022) | Theoretical model only |
| Mahase (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Majee (2023) | Theoretical model only |
| Maldonado-Barrueco (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Martínez (2022) | Theoretical model only |
| Martins-Filho (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Martins-Filho (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Marwah (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Mendes (2022) | Theoretical model only |
| Meo (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Meo (2022) | Not study period of interest |
| Michael (2023) | Theoretical model only |
| Miller (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Murayama (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Ngungu (2023) | Theoretical model only |
| Nieto-Chaupis (2022) | Theoretical model only |
| Noe (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Nouchi (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Oakley (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Onu (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Okposo (2023) | Theoretical model only |
| Orviz (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Pampa-Espinoza (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Pascom (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Patel (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Perez Duque (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Peter (2023) | Theoretical model only |
| Peter (2022) | Theoretical model only |
| Peter (2022) | Theoretical model only |
| Philpott (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Pilkington (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Pramanik (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Rahimi (2022) | Wrong study design (Literature review) |
| Reda (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Relhan (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Riccò (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Rimmer (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Savinkina (2022) | Theoretical model only |
| Savinkina (2023) | Theoretical model only |
| Sheffer (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Siegenbeek (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Sihuincha Maldonado (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Silva (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Smouni (2023) | Theoretical model only |
| Spicknall (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Spohr (2023) | Theoretical model only |
| Ullah (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Van Dijck (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Van Ewijk (2023) | None of the epidemiological parameters of interest are estimated or reported |
| Vivancos (2022) | None of the epidemiological parameters of interest are estimated or reported |
| Vivancos-Gallego (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Vogel (2023) | Wrong study design (Literature review) |
| Vusirikala (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Wong (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Yasmin (2022) | None of the epidemiological parameters of interest are estimated or reported. |
| Yuan (2022) | Theoretical model only |
| Zhang (2022) | None of the epidemiological parameters of interest are estimated or reported. |