**Supplementary Table 1: Full search strategies for all databases and other electronic sources (From May 1, 2022 to September 10, 2023)**

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| MEDLINE search strategy |
| (("transmissi\*"[Title/Abstract] OR "epidemiolog\*"[Title/Abstract] OR "model\*"[Title/Abstract] OR "incubation period\*"[Title/Abstract] OR "serial interval\*"[Title/Abstract] OR "generation time\*"[Title/Abstract] OR "generation interval\*"[Title/Abstract] OR "Serial distribution"[Title/Abstract] OR "Secondary infections"[Title/Abstract] OR "Secondary cases"[Title/Abstract] OR "growth rate\*"[Title/Abstract] OR "Doubling time"[Title/Abstract] OR "Severity"[Title/Abstract] OR "case fatality rate\*"[Title/Abstract] OR "Mortality rate"[Title/Abstract] OR "Attack rate"[Title/Abstract] OR "Infectious period"[Title/Abstract] OR "reproduction number\*"[Title/Abstract] OR "Reproduction ratio"[Title/Abstract] OR "Reproductive rate"[Title/Abstract] OR ("transmissi\*"[Text Word] OR "epidemiolog\*"[Text Word] OR "model\*"[Text Word] OR "incubation period\*"[Text Word] OR "serial interval\*"[Text Word] OR "generation time\*"[Text Word] OR "generation interval\*"[Text Word] OR "Serial distribution"[Text Word] OR "Secondary infections"[Text Word] OR "Secondary cases"[Text Word] OR "growth rate\*"[Text Word] OR "Doubling time"[Text Word] OR "Severity"[Text Word] OR "case fatality rate\*"[Text Word] OR "Mortality rate"[Text Word] OR "Attack rate"[Text Word] OR "Infectious period"[Text Word] OR "reproduction number\*"[Text Word] OR "Reproduction ratio"[Text Word] OR "Reproductive rate"[Text Word])) AND ("Monkeypox"[Text Word] OR "Monkeypox virus"[Text Word] OR "Mpox"[Text Word] OR ("Monkeypox"[MeSH Terms] OR "Monkeypox virus"[MeSH Terms]) OR ("Monkeypox"[Title/Abstract] OR "Monkeypox virus"[Title/Abstract] OR "Mpox"[Title/Abstract]))) AND (2022/5/1:3000/12/12[pdat]) |

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| **EMBASE search strategy** |
| ('monkeypox':ti,ab,kw OR 'monkeypox virus':ti,ab,kw OR 'mpox':ti,ab,kw OR 'monkeypox'/exp OR 'monkeypox virus'/exp) AND ('transmissi\*':ti,ab,kw OR 'epidemiolog\*':ti,ab,kw OR 'model\*':ti,ab,kw OR 'incubation period\*':ti,ab,kw OR 'serial interval\*':ti,ab,kw OR 'generation time\*':ti,ab,kw OR 'generation interval\*':ti,ab,kw OR 'serial distribution':ti,ab,kw OR 'secondary infections':ti,ab,kw OR 'secondary cases':ti,ab,kw OR 'growth rate\*':ti,ab,kw OR 'doubling time':ti,ab,kw OR 'severity':ti,ab,kw OR 'case fatality ratio\* cfr':ti,ab,kw OR 'case fatality rate\*':ti,ab,kw OR 'mortality rate':ti,ab,kw OR 'attack rate':ti,ab,kw OR 'infectious period':ti,ab,kw OR 'reproduction number\*':ti,ab,kw OR 'reproductive number\* r0':ti,ab,kw OR 'reproduction ratio':ti,ab,kw OR 'reproductive rate':ti,ab,kw) AND (2022:py OR 2023:py) |

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| **Scopus search strategy** |
| ( TITLE-ABS-KEY ( "Monkeypox" OR "Monkeypox virus" OR "Mpox" ) ) AND ( TITLE-ABS-KEY ( "Transmissi\*" OR "Epidemiolog\*" OR "Model\*" OR "Incubation period\*" OR "Serial interval\*" OR "Generation time\*" OR "Generation interval\*" OR "Serial distribution" OR "Secondary infections" OR "Secondary cases" OR "Growth rate\*" OR "Doubling time" OR "Severity" OR "Case fatality ratio\* CFR" OR "Case fatality rate\*" OR "Mortality rate" OR "Attack rate" OR "Infectious period" OR "Reproduction number\*" OR "Reproductive number\* R0" OR "Reproduction ratio" OR "Reproductive rate" ) ) AND ( LIMIT-TO ( PUBYEAR , 2023 ) OR LIMIT-TO ( PUBYEAR , 2022 ) ) |

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| **Web of science search strategy** |
| TS=(“Transmissi\*” OR “Epidemiolog\*” OR “Model\*” OR “Incubation period\*” OR “Serial interval\*” OR “Generation time\*” OR “Generation interval\*” OR “Serial distribution” OR “Secondary infections” OR “Secondary cases” OR “Growth rate\*” OR “Doubling time” OR “Severity” OR “Case fatality ratio\* CFR” OR “Case fatality rate\*” OR “Mortality rate” OR “Attack rate” OR “Infectious period” OR “Reproduction number\*” OR “Reproductive number\* R0” OR “Reproduction ratio” OR “Reproductive rate”) AND TS=((“Monkeypox” OR “Monkeypox virus” OR “Mpox”)) |

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| **Clinical trials, repositories of preliminary reports of scientific articles, institutional websites, and repositories search strategy** |
| Monkeypox OR Monkeypox virus OR Mpox |