**Appendix 1: Search strategy**

|  |  |  |  |
| --- | --- | --- | --- |
| **Domain** | **Domain** | **Domain** | **Outcome** |
| HIV | ART | ‘low and middle income’ ‘low- and middle- income’ | LTFU / LTF / LFU |
| ‘human immunodeficiency virus’ | HAART | ‘low income’ ‘middle income’ low-incomemiddle-income | ‘loss to follow up’‘loss to follow-up’ |
| AIDS | antiretrovir\* | LMIC / LIC / MIC /LAMI | ‘lost to follow up’‘lost to follow-up’  |
| ‘acquired immunodeficiency syndrome’ | Anti-retrovir\* | ‘Third world’ | ‘loss to program\*’‘lost to program\*’  |
| ‘acquired immune deficiency syndrome’  | ARV | ‘Less developed’ OR developing OR underdevelopedAND countr\* OR nation\* OR setting\* | Retention |
|  | ‘Anti retroviral\*’ | ‘resource limited ‘resource-limited | Attrition |
|  | Anti-HIV | Individual names of all countries listed as LMIC on World Bank list  | Retain\* |
|  | ‘Anti HIV’ |  | Default\* |
|  |  |  | Transfer\* |
|  |  |  | Drop-out / ‘drop out’ |
|  |  |  | ‘loss to care’‘lost to care’  |
| **MESH** | **MESH** | **MESH** | **MESH** |
| HIV | Antiretroviral therapy, highly active | Developing countries | Lost to follow-up |
| Acquired immunodeficiency syndrome | Anti-HIV agents | Africa / Asia / Caribbean Region / Central America / South America / Europe, Eastern / Middle East  | Patient transfer |
| HIV infections | Anti-retroviral agents |  |  |

**PUBMED**

|  |  |
| --- | --- |
| 1 | "HIV"[Mesh] OR "HIV Infections"[Mesh] OR "Acquired Immunodeficiency Syndrome"[Mesh] |
| 2 | HIV[Title/Abstract] OR "human immunodeficiency virus"[Title/Abstract] OR AIDS[Title/Abstract] OR "acquired immune deficiency syndrome"[Title/Abstract] OR "acquired immunodeficiency syndrome"[Title/Abstract] |
| 3 | 1 OR 2 |
| 4 | "Antiretroviral Therapy, Highly Active"[Mesh] OR "Anti-Retroviral Agents"[Mesh] OR "Anti-HIV Agents"[Mesh] |
| 5 | ART[Title/Abstract] OR HAART[Title/Abstract] OR anti-retrovir\*[Title/Abstract] OR antiretrovir\*[Title/Abstract] OR “anti retroviral” OR “anti retrovirals” OR ARV[Title/Abstract] OR “anti HIV”[Title/Abstract] OR “anti-HIV”[Title/Abstract] |
| 6 | 4 OR 5 |
| 7 | "Lost to Follow-Up"[Mesh] OR "Patient Transfer"[Mesh] |
| 8 | LTFU[Title/Abstract] OR LTU[Title/Abstract] OR LFU[Title/Abstract] OR "loss to follow-up"[Title/Abstract] OR "lost to follow-up"[Title/Abstract] OR "loss to follow up"[Title/Abstract] OR "lost to follow up"[Title/Abstract] OR "loss to care"[Title/Abstract] OR "lost to care"[Title/Abstract] OR “loss to program”[Title/Abstract] OR “lost to program”[Title/Abstract] OR “loss to programme”[Title/Abstract] OR “lost to programme”[Title/Abstract] OR retention[Title/Abstract] OR attrition[Title/Abstract] OR retain\*[Title/Abstract] OR default\*[Title/Abstract] OR transfer\*[Title/Abstract] OR drop-out[Title/Abstract] OR "drop out"[Title/Abstract] |
| 9 | 7 OR 8 |
| 10 | "Developing Countries"[Mesh] OR "Africa"[Mesh] OR "Asia"[Mesh] OR "Caribbean Region"[Mesh] OR "Central America"[Mesh] OR "South America"[Mesh] OR "Europe, Eastern"[Mesh] OR "Middle East"[Mesh] |
| 11 | LMIC[Title/Abstract] OR LIC[Title/Abstract] OR MIC[Title/Abstract] OR "third world"[Title/Abstract] OR (((“low and middle income” OR “low- and middle- income” OR LAMI OR “resource limited” OR “resource-limited” OR "low income" OR "low-income" OR “middle-income” OR "less developed" OR "middle income" OR "underdeveloped" OR "developing") AND (countr\* OR nation\* OR setting\*))[Title/Abstract]) OR Afghanistan\*[Title/Abstract] OR Benin\*[Title/Abstract] OR "Burkina Faso"[Title/Abstract] OR Burundi\*[Title/Abstract] OR "Central African Republic"[Title/Abstract] OR Chad\*[Title/Abstract] OR Comoros\*[Title/Abstract] OR "Democratic Republic of the Congo"[Title/Abstract] OR Eritrea\*[Title/Abstract] OR Ethiopia\*[Title/Abstract] OR Gambia\*[Title/Abstract] OR Guinea\*[Title/Abstract] OR Guinea-Bissau\*[Title/Abstract] OR Haiti\*[Title/Abstract] OR Korea\*[Title/Abstract] OR Liberia\*[Title/Abstract] OR Madagascar\*[Title/Abstract] OR Malawi\*[Title/Abstract] OR Mali\*[Title/Abstract] OR Mozambique\*[Title/Abstract] OR Nepal\*[Title/Abstract] OR Niger\*[Title/Abstract] OR Rwanda\*[Title/Abstract] OR Senegal\*[Title/Abstract] OR "Sierra Leone"[Title/Abstract] OR Somalia\*[Title/Abstract] OR "South Sudan"[Title/Abstract] OR Tanzania\*[Title/Abstract] OR Togo\*[Title/Abstract] OR Uganda\*[Title/Abstract] OR Zimbabwe\*[Title/Abstract] OR Armenia\*[Title/Abstract] OR Bangladesh\*[Title/Abstract] OR Bhutan\*[Title/Abstract] OR Bolivia\*[Title/Abstract] OR "Cabo Verde"[Title/Abstract] OR Cambodia\*[Title/Abstract] OR Cameroon\*[Title/Abstract] OR Congo\*[Title/Abstract] OR "Côte d'Ivoire"[Title/Abstract] OR Djibouti\*[Title/Abstract] OR Egypt\*[Title/Abstract] OR "El Salvador"[Title/Abstract] OR Ghana\*[Title/Abstract] OR Guatemala\*[Title/Abstract] OR Honduras\*[Title/Abstract] OR India\*[Title/Abstract] OR Indonesia\*[Title/Abstract] OR Kenya\*[Title/Abstract] OR Kiribati\*[Title/Abstract] OR Kosovo\*[Title/Abstract] OR Kyrgyz\*[Title/Abstract] OR "Lao PDR"[Title/Abstract] OR Lesotho\*[Title/Abstract] OR Mauritania\*[Title/Abstract] OR Micronesia\*[Title/Abstract] OR Moldova\*[Title/Abstract] OR Mongolia\*[Title/Abstract] OR Morocco\*[Title/Abstract] OR Myanmar\*[Title/Abstract] OR Nicaragua\*[Title/Abstract] OR Nigeria\*[Title/Abstract] OR Pakistan\*[Title/Abstract] OR "Papua New Guinea"[Title/Abstract] OR Philippines\*[Title/Abstract] OR Samoa\*[Title/Abstract] OR "São Tomé"[Title/Abstract] OR "Solomon Islands"[Title/Abstract] OR "Sri Lanka"[Title/Abstract] OR Sudan\*[Title/Abstract] OR Swaziland\*[Title/Abstract] OR Syria\*[Title/Abstract] OR Tajikistan\*[Title/Abstract] OR Timor-Leste\*[Title/Abstract] OR Tonga\*[Title/Abstract] OR Tunisia\*[Title/Abstract] OR Ukraine\*[Title/Abstract] OR Uzbekistan\*[Title/Abstract] OR Vanuatu\*[Title/Abstract] OR Vietnam\*[Title/Abstract] OR "West Bank"[Title/Abstract] OR Gaza\*[Title/Abstract] OR Yemen\*[Title/Abstract] OR Zambia\*[Title/Abstract] OR Albania\*[Title/Abstract] OR Algeria\*[Title/Abstract] OR Samoa\*[Title/Abstract] OR Angola\*[Title/Abstract] OR Azerbaijan\*[Title/Abstract] OR Belarus\*[Title/Abstract] OR Belize\*[Title/Abstract] OR Bosnia\*[Title/Abstract] OR Botswana\*[Title/Abstract] OR Brazil\*[Title/Abstract] OR Bulgaria\*[Title/Abstract] OR China\*[Title/Abstract] OR Colombia\*[Title/Abstract] OR "Costa Rica"[Title/Abstract] OR Cuba\*[Title/Abstract] OR Dominica\*[Title/Abstract] OR "Dominican Republic"[Title/Abstract] OR Ecuador\*[Title/Abstract] OR "Equatorial Guinea"[Title/Abstract] OR Fiji\*[Title/Abstract] OR Gabon\*[Title/Abstract] OR Georgia\*[Title/Abstract] OR Grenada\*[Title/Abstract] OR Guyana\*[Title/Abstract] OR Iran\*[Title/Abstract] OR Iraq\*[Title/Abstract] OR Jamaica\*[Title/Abstract] OR Jordan\*[Title/Abstract] OR Kazakhstan\*[Title/Abstract] OR Lebanon\*[Title/Abstract] OR Libya\*[Title/Abstract] OR Macedonia\*[Title/Abstract] OR Malaysia\*[Title/Abstract] OR Maldives\*[Title/Abstract] OR "Marshall Islands"[Title/Abstract] OR Mauritius\*[Title/Abstract] OR Mexico\*[Title/Abstract] OR Montenegro\*[Title/Abstract] OR Namibia\*[Title/Abstract] OR Palau\*[Title/Abstract] OR Panama\*[Title/Abstract] OR Paraguay\*[Title/Abstract] OR Peru\*[Title/Abstract] OR Romania\*[Title/Abstract] OR Russia\*[Title/Abstract] OR Serbia\*[Title/Abstract] OR "South Africa"[Title/Abstract] OR "St. Lucia"[Title/Abstract] OR "St. Vincent and the Grenadines"[Title/Abstract] OR Suriname\*[Title/Abstract] OR Thailand\*[Title/Abstract] OR Turkey\*[Title/Abstract] OR Turkmenistan\*[Title/Abstract] OR Tuvalu\*[Title/Abstract] OR Venezuela\*[Title/Abstract] |
| 12 | 10 OR 11 |
| 13 | 3 AND 6 AND 9 AND 12  |

**EMBASE**

|  |  |
| --- | --- |
| 1 | 'Human immunodeficiency virus'/exp OR 'Human immunodeficiency virus infection'/exp OR 'acquired immune deficiency syndrome'/exp |
| 2 | ‘HIV’:ti,ab OR 'human immunodeficiency virus':ti,ab OR ‘AIDS’:ti,ab OR 'acquired immune deficiency syndrome':ti,ab OR 'acquired immunodeficiency syndrome':ti,ab |
| 3 | 1 OR 2 |
| 4 | 'highly active antiretroviral therapy'/exp OR 'anti human immunodeficiency virus agent'/exp OR 'antiretrovirus agent'/exp |
| 5 | 'art':ab,ti OR 'haart':ab,ti OR 'anti-retroviral':ab,ti OR ‘anti-retrovirals’:ab,ti OR ‘anti retroviral’:ab,ti OR ‘anti retrovirals’:ab,ti OR 'arv':ab,ti OR ‘anti HIV’:ab,ti OR ‘anti-HIV’:ab,ti |
| 6 | 4 OR 5 |
| 7 | ‘LTFU':ab,ti OR ‘LTU':ab,ti OR ‘LFU':ab,ti OR 'loss to follow-up':ab,ti OR 'lost to follow-up':ab,ti OR 'loss to follow up':ab,ti OR 'lost to follow up':ab,ti OR 'loss to care':ab,ti OR 'lost to care':ab,ti OR ‘lost to program':ab,ti OR ‘loss to program':ab,ti OR 'lost to programme':ab,ti OR 'loss to programme':ab,ti OR 'retention':ab,ti OR 'attrition':ab,ti OR 'retain':ab,ti OR 'retained':ab,ti OR 'default':ab,ti OR 'defaulter':ab,ti OR 'defaulting':ab,ti OR 'transfer':ab,ti OR 'drop-out':ab,ti OR 'drop out':ab,ti  |
| 8 | 'developing country'/exp OR 'africa'/exp OR 'asia'/exp OR 'caribbean'/exp OR 'central america'/exp OR 'south america'/exp OR 'eastern europe'/exp OR 'middle east'/exp |
| 9 | 'lmic':ab,ti OR ‘LIC':ab,ti OR ‘MIC':ab,ti OR 'third world':ab,ti OR (((‘low and middle income’ OR ‘low- and middle- income’ OR ‘LAMI’ OR ‘resource limited’ OR ‘resource-limited’ OR 'less developed' OR 'underdeveloped' OR 'middle income' OR 'low income' OR ‘low-income’ OR ‘middle-income’ OR 'developing') AND ('country' OR 'countries' OR 'nation' OR 'nations' OR ‘setting’ OR ‘settings’)):ti,ab) OR 'afghanistan':ab,ti OR 'benin':ab,ti OR 'burkina faso':ab,ti OR 'burundi':ab,ti OR 'central african republic':ab,ti OR 'chad':ab,ti OR 'comoros':ab,ti OR 'democratic republic of the congo':ab,ti OR 'eritrea':ab,ti OR 'ethiopia':ab,ti OR 'gambia':ab,ti OR 'guinea':ab,ti OR 'guinea-bissau':ab,ti OR 'haiti':ab,ti OR 'korea':ab,ti OR 'liberia':ab,ti OR 'madagascar':ab,ti OR 'malawi':ab,ti OR 'mali':ab,ti OR 'mozambique':ab,ti OR 'nepal':ab,ti OR 'niger':ab,ti OR 'rwanda':ab,ti OR 'senegal':ab,ti OR 'sierra leone':ab,ti OR 'somalia':ab,ti OR 'south sudan':ab,ti OR 'tanzania':ab,ti OR 'togo':ab,ti OR 'uganda':ab,ti OR 'zimbabwe':ab,ti OR 'armenia':ab,ti OR 'bangladesh':ab,ti OR 'bhutan':ab,ti OR 'bolivia':ab,ti OR 'cabo verde':ab,ti OR 'cambodia':ab,ti OR 'cameroon':ab,ti OR 'congo':ab,ti OR 'cote de ivoire':ab,ti OR 'djibouti':ab,ti OR 'egypt':ab,ti OR 'el salvador':ab,ti OR 'ghana':ab,ti OR 'guatemala':ab,ti OR 'honduras':ab,ti OR 'india':ab,ti OR 'indonesia':ab,ti OR 'kenya':ab,ti OR 'kiribati':ab,ti OR 'kosovo':ab,ti OR 'kyrgyz':ab,ti OR 'lao pdr':ab,ti OR 'lesotho':ab,ti OR 'mauritania':ab,ti OR 'micronesia':ab,ti OR 'moldova':ab,ti OR 'mongolia':ab,ti OR 'morocco':ab,ti OR 'myanmar':ab,ti OR 'nicaragua':ab,ti OR 'nigeria':ab,ti OR 'pakistan':ab,ti OR 'papua new guinea':ab,ti OR 'philippines':ab,ti OR 'samoa':ab,ti OR 'sao tome':ab,ti OR 'solomon islands':ab,ti OR 'sri lanka':ab,ti OR 'sudan':ab,ti OR 'swaziland':ab,ti OR 'syria':ab,ti OR 'tajikistan':ab,ti OR 'timor-leste':ab,ti OR 'tonga':ab,ti OR 'tunisia':ab,ti OR 'ukraine':ab,ti OR 'uzbekistan':ab,ti OR 'vanuatu':ab,ti OR 'vietnam':ab,ti OR 'west bank':ab,ti OR 'gaza':ab,ti OR 'yemen':ab,ti OR 'zambia':ab,ti OR 'albania':ab,ti OR 'algeria':ab,ti OR 'samoa':ab,ti OR 'angola':ab,ti OR 'azerbaijan':ab,ti OR 'belarus':ab,ti OR 'belize':ab,ti OR 'bosnia':ab,ti OR 'botswana':ab,ti OR 'brazil':ab,ti OR 'bulgaria':ab,ti OR 'china':ab,ti OR 'colombia':ab,ti OR 'costa rica':ab,ti OR 'cuba':ab,ti OR 'dominica':ab,ti OR 'dominican republic':ab,ti OR 'ecuador':ab,ti OR 'equatorial guinea':ab,ti OR 'fiji':ab,ti OR 'gabon':ab,ti OR 'georgia':ab,ti OR 'grenada':ab,ti OR 'guyana':ab,ti OR 'iran':ab,ti OR 'iraq':ab,ti OR 'jamaica':ab,ti OR 'jordan':ab,ti OR 'kazakhstan':ab,ti OR 'lebanon':ab,ti OR 'libya':ab,ti OR 'macedonia':ab,ti OR 'malaysia':ab,ti OR 'maldives':ab,ti OR 'marshall islands':ab,ti OR 'mauritius':ab,ti OR 'mexico':ab,ti OR 'montenegro':ab,ti OR 'namibia':ab,ti OR 'palau':ab,ti OR 'panama':ab,ti OR 'paraguay':ab,ti OR 'peru':ab,ti OR 'romania':ab,ti OR 'russia':ab,ti OR 'serbia':ab,ti OR 'south africa':ab,ti OR 'st. lucia':ab,ti OR 'st. vincent and the grenadines':ab,ti OR 'suriname':ab,ti OR 'thailand':ab,ti OR 'turkey':ab,ti OR 'turkmenistan':ab,ti OR 'tuvalu':ab,ti OR 'venezuela':ab,ti |
| 10 | 8 OR 9 |
| 11 | 3 AND 6 AND 7 AND 10 |

**Psycinfo**

|  |  |
| --- | --- |
| 1 | Exp hiv/ |
| 2 | (hiv or "human immunodeficiency virus" or aids or "acquired immune deficiency syndrome" or "acquired immunodeficiency syndrome").ab,ti. |
| 3 | 1 OR 2 |
| 4 | Exp drug therapy/ |
| 5 | (art or haart or anti-retrovir\* or antiretrovir\* or "anti retroviral" or "anti retrovirals" or arv or "anti HIV" or "anti-HIV").ab,ti. |
| 6 | 4 OR 5 |
| 7 | Exp dropouts/ |
| 8 | Exp experimental attrition/  |
| 9 | (ltfu or lfu or ltu or "loss to follow-up" or "lost to follow-up" or "loss to follow up" or "lost to follow up" or "loss to care" or "lost to care" or "loss to program" or "lost to program" or "loss to programme" or "lost to programme" or retention or attrition or retain\* or default\* or transfer\* or drop-out or "drop out").ab,ti. |
| 10 | 7 OR 8 OR 9 |
| 11 | Exp developing countries/ |
| 12 | (lmic or lic or mic or "third world" or (("low and middle income" or "low- and middle- income" or lami or "resource limited" or "resource-limited" or "low income" or "low-income" or "middle-income" or "less developed" or "middle income" or "underdeveloped" or "developing") and (countr\* or nation\* or setting\*))).ab,ti. |
| 13 | (Afghanistan\* or Benin\* or "Burkina Faso\*" or Burundi\* or "Central African Republic\*" or Chad\* or Comoros\* or "Democratic Republic of the Congo\*" or Eritrea\* or Ethiopia\* or Gambia\* or Guinea\* or Guinea-Bissau\* or Haiti\* or Korea\* or Liberia\* or Madagascar\* or Malawi\* or Mali\* or Mozambique\* or Nepal\* or Niger\* or Rwanda\* or Senegal\* or "Sierra Leone\*" or Somalia\* or "South Sudan\*" or Tanzania\* or Togo\* or Uganda\* or Zimbabwe\* or Armenia\* or Bangladesh\* or Bhutan\* or Bolivia\* or "Cabo Verde\*" or Cambodia\* or Cameroon\* or Congo\* or "Côte d'Ivoire\*" or Djibouti\* or Egypt\* or "El Salvador\*" or Ghana\* or Guatemala\* or Honduras\* or India\* or Indonesia\* or Kenya\* or Kiribati\* or Kosovo\* or Kyrgyz\* or "Lao PDR\*" or Lesotho\* or Mauritania\* or Micronesia\* or Moldova\* or Mongolia\* or Morocco\* or Myanmar\* or Nicaragua\* or Nigeria\* or Pakistan\* or "Papua New Guinea\*" or Philippines\* or Samoa\* or "São Tomé\*" or "Solomon Islands\*" or "Sri Lanka\*" or Sudan\* or Swaziland\* or Syria\* or Tajikistan\* or Timor-Leste\* or Tonga\* or Tunisia\* or Ukraine\* or Uzbekistan\* or Vanuatu\* or Vietnam\* or "West Bank\*" or Gaza\* or Yemen\* or Zambia\* or Albania\* or Algeria\* or Samoa\* or Angola\* or Azerbaijan\* or Belarus\* or Belize\* or Bosnia\* or Botswana\* or Brazil\* or Bulgaria\* or China\* or Colombia\* or "Costa Rica\*" or Cuba\* or Dominica\* or "Dominican Republic\*" or Ecuador\* or "Equatorial Guinea\*" or Fiji\* or Gabon\* or Georgia\* or Grenada\* or Guyana\* or Iran\* or Iraq\* or Jamaica\* or Jordan\* or Kazakhstan\* or Lebanon\* or Libya\* or Macedonia\* or Malaysia\* or Maldives\* or "Marshall Islands\*" or Mauritius\* or Mexico\* or Montenegro\* or Namibia\* or Palau\* or Panama\* or Paraguay\* or Peru\* or Romania\* or Russia\* or Serbia\* or "South Africa\*" or "St. Lucia\*" or "St. Vincent and the Grenadines\*" or Suriname\* or Thailand\* or Turkey\* or Turkmenistan\* or Tuvalu\* or Venezuela\*).ab,ti. |
| 14 | 11 OR 12 OR 13 |
| 15 | 3 AND 6 AND 10 AND 14 |

**Cochrane**

|  |  |
| --- | --- |
| 1 | MeSH descriptor: [HIV Infections] explode all trees  |
| 2 | MeSH descriptor: [Acquired Immunodeficiency Syndrome] explode all trees  |
| 3 | MeSH descriptor: [HIV] explode all trees |
| 4 | (hiv or "human immunodeficiency virus" or aids or "acquired immune deficiency syndrome" or "acquired immunodeficiency syndrome"):ti,ab |
| 5 | 1 or 2 or 3 or 4 |
| 6 | MeSH descriptor: [Antiretroviral Therapy, Highly Active] explode all trees |
| 7 | MeSH descriptor: [Anti-Retroviral Agents] explode all trees |
| 8 | MeSH descriptor: [Anti-HIV Agents] explode all trees |
| 9 | (art or haart or anti-retrovir\* or antiretrovir\* or "anti retroviral" or "anti retrovirals" or arv or "anti HIV" or "anti-HIV"):ti,ab |
| 10 | 6 OR 7 OR 8 OR 9 |
| 11 | MeSH descriptor: [Lost to Follow-Up] explode all trees |
| 12 | MeSH descriptor: [Patient Transfer] explode all trees |
| 13 | (ltfu or lfu or ltu or "loss to follow-up" or "lost to follow-up" or "loss to follow up" or "lost to follow up" or "loss to care" or "lost to care" or "loss to program" or "lost to program" or "loss to programme" or "lost to programme" or retention or attrition or retain\* or default\* or transfer\* or drop-out or "drop out"):ti,ab |
| 14 | 11 OR 12 OR 13 |
| 15 | MeSH descriptor: [Developing Countries] explode all trees |
| 16 | MeSH descriptor: [Africa] explode all trees |
| 17 | MeSH descriptor: [Asia] explode all trees |
| 18 | MeSH descriptor: [Caribbean Region] explode all trees |
| 19 | MeSH descriptor: [Central America] explode all trees |
| 20 | MeSH descriptor: [South America] explode all trees |
| 21 | MeSH descriptor: [Europe, Eastern] explode all trees |
| 22 | MeSH descriptor: [Middle East] explode all trees |
| 23  | (lmic or lic or mic or "third world" or (("low and middle income" or "low- and middle- income" or lami or "resource limited" or "resource-limited" or "low income" or "low-income" or "middle-income" or "less developed" or "middle income" or "underdeveloped" or "developing") and (countr\* or nation\* or setting\*)) or Afghanistan\* or Benin\* or "Burkina Faso\*" or Burundi\* or "Central African Republic\*" or Chad\* or Comoros\* or "Democratic Republic of the Congo\*" or Eritrea\* or Ethiopia\* or Gambia\* or Guinea\* or Guinea-Bissau\* or Haiti\* or Korea\* or Liberia\* or Madagascar\* or Malawi\* or Mali\* or Mozambique\* or Nepal\* or Niger\* or Rwanda\* or Senegal\* or "Sierra Leone\*" or Somalia\* or "South Sudan\*" or Tanzania\* or Togo\* or Uganda\* or Zimbabwe\* or Armenia\* or Bangladesh\* or Bhutan\* or Bolivia\* or "Cabo Verde\*" or Cambodia\* or Cameroon\* or Congo\* or "Côte d'Ivoire\*" or Djibouti\* or Egypt\* or "El Salvador\*" or Ghana\* or Guatemala\* or Honduras\* or India\* or Indonesia\* or Kenya\* or Kiribati\* or Kosovo\* or Kyrgyz\* or "Lao PDR\*" or Lesotho\* or Mauritania\* or Micronesia\* or Moldova\* or Mongolia\* or Morocco\* or Myanmar\* or Nicaragua\* or Nigeria\* or Pakistan\* or "Papua New Guinea\*" or Philippines\* or Samoa\* or "São Tomé\*" or "Solomon Islands\*" or "Sri Lanka\*" or Sudan\* or Swaziland\* or Syria\* or Tajikistan\* or Timor-Leste\* or Tonga\* or Tunisia\* or Ukraine\* or Uzbekistan\* or Vanuatu\* or Vietnam\* or "West Bank\*" or Gaza\* or Yemen\* or Zambia\* or Albania\* or Algeria\* or Samoa\* or Angola\* or Azerbaijan\* or Belarus\* or Belize\* or Bosnia\* or Botswana\* or Brazil\* or Bulgaria\* or China\* or Colombia\* or "Costa Rica\*" or Cuba\* or Dominica\* or "Dominican Republic\*" or Ecuador\* or "Equatorial Guinea\*" or Fiji\* or Gabon\* or Georgia\* or Grenada\* or Guyana\* or Iran\* or Iraq\* or Jamaica\* or Jordan\* or Kazakhstan\* or Lebanon\* or Libya\* or Macedonia\* or Malaysia\* or Maldives\* or "Marshall Islands\*" or Mauritius\* or Mexico\* or Montenegro\* or Namibia\* or Palau\* or Panama\* or Paraguay\* or Peru\* or Romania\* or Russia\* or Serbia\* or "South Africa\*" or "St. Lucia\*" or "St. Vincent and the Grenadines\*" or Suriname\* or Thailand\* or Turkey\* or Turkmenistan\* or Tuvalu\* or Venezuela\*):ti,ab |
| 24 | #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 |
| 25 | 5 AND 10 AND 14 AND 24 |