

Additional File 3: Search strategies

Ovid search strategy: MEDLINE (R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations and Daily

1	Public-Private Sector Partnerships/
2	(Public adj3 private adj3 partnership\$).mp.
3	(Public adj3 private adj3 mix\$).mp.
4	(Private adj3 public adj3 collaborat\$).mp.
5	(Private adj3 public adj3 cooperati\$).mp.
6	(Private adj3 public adj3 co-operati\$).mp.
7	(private adj3 public adj3 alliance\$).mp.
8	(private adj3 public adj3 association\$).mp.
9	(private adj3 public adj3 coalition\$).mp.
10	(private adj3 public adj3 union\$).mp.
11	(private adj3 public adj3 consortium\$).mp.
12	(private adj3 public adj3 initiative\$).mp.
13	(private adj3 public adj3 joint\$).mp.
14	(private adj3 public adj3 ownership\$).mp.
15	privatepublic.mp.
16	publicprivate.mp.
17	(afghanistan or angola or armenia or armenian or bangladesh or benin or bhutan or bolivia or burkina faso or burkina fasso or upper volta or burundi or urundi or cabo verde or cape verde or cambodia or kampuchea or khmer republic or cameroon or cameron or cameroun or central african republic or ubangi shari or chad or comoros or comoro islands or iles comores or mayotte or democratic republic of the congo or democratic republic congo or congo or zaire or "cote d'ivoire" or "cote d'ivoire" or cote divoire or cote d ivoire or ivory coast or djibouti or french somaliland or egypt or united arab republic or el salvador or eritrea or eswatini or swaziland or ethiopia or gambia or "georgia (republic)" or georgian or ghana or guam or guatemala or guinea or guinea bissau or haiti or hispaniola or honduras or india or indonesia or timor or jordan or kenya or Kiribati or "democratic people's republic of korea" or republic of korea or north korea or korea or kosovo or kyrgyzstan or kirghizia or kirgizstan or kyrgyz republic or kirghiz or laos or lao pdr or "lao people's democratic republic" or lesotho or basutoland or liberia or madagascar or malagasy republic or malawi or niasaland or mali or micronesia or federated states of micronesia or kiribati or tuvalu or mauritania or moldova or moldovian or mongolia or morocco or ifni or mozambique or portuguese east africa or myanmar or burma or nepal or nicaragua or niger or nigeria or pakistan or papua new guinea or new guinea or philippines or philipines or phillippines or philippines or rrwanda or ruanda or "sao tome and principe" or senegal or sierra leone or melanesia or solomon island or solomon islands or somalia or south sudan or sri lanka or ceylon or sudan or syria or syrian arab republic or tajikistan or tadjikistan or tadjhikistan or tadjhik or tanzania or tanganyika or timor leste or east timor or togo or togolese republic or Tokelau or tunisia or uganda or ukraine or uzbekistan or uzbek or vanuatu or new hebrides or vietnam or viet nam or middle east or west bank or gaza or palestine or yemen or zambia or zimbabwe or northern rhodesia or global south or africa south of the sahara or sub-saharan africa or subsaharan africa or africa, central or central africa or africa, northern or north africa or northern africa or magreb or maghrib or sahara or africa, southern or southern africa or africa, eastern or east africa or eastern africa or africa, western or west africa or western africa or west indies or indian ocean islands or caribbean or central america or latin america or "south and central america" or south america or asia, central or central asia or asia, northern or north asia or northern asia or asia, southeastern or southeastern asia or south eastern asia or southeast asia or south east asia or asia, western or western asia or europe, eastern or east europe or eastern europe or developing country or developing countries or developing nation? or developing population? or developing world or less developed countr* or least developed nation? or least developed population? or least developed world

	or least developed countr* or less developed nation? or less developed population? or less developed world or lesser developed countr* or lesser developed nation? or lesser developed population? or lesser developed world or under developed countr* or under developed nation? or under developed population? or under developed world or underdeveloped countr* or underdeveloped nation? or underdeveloped population? or underdeveloped world or lower middle income countr* or lower middle income nation? or lower middle income population? or low income countr* or low income nation? or low income population? or lower income countr* or lower income nation? or lower income population? or underserved countr* or underserved nation? or underserved population? or underserved world or under served countr* or under served nation? or under served population? or under served world or deprived countr* or deprived nation? or deprived population? or deprived world or poor countr* or poor nation? or poor population? or poor world or poorer countr* or poorer nation? or poorer population? or poorer world or developing econom* or less developed econom* or lesser developed econom* or under developed econom* or underdeveloped econom* or lower middle income econom* or low income econom* or lower income econom* or low gdp or low gnp or low gross domestic or low gross national or lower gdp or lower gnp or lower gross domestic or lower gross national or lmic or lmics or third world or lami countr* or transitional countr* or emerging economies or emerging nation?).ti,ab,sh,kf.
18	or/1-16
19	17 and 18
20	19 not (editorial or letter or comment).pt.

Ovid search strategy: Embase

1	Public-Private Sector Partnerships/
2	(Public adj3 private adj3 partnership\$).mp.
3	(Public adj3 private adj3 mix\$).mp.
4	(Private adj3 public adj3 collaborat\$).mp.
5	(Private adj3 public adj3 cooperati\$).mp.
6	(Private adj3 public adj3 co-operati\$).mp.
7	(private adj3 public adj3 alliance\$).mp.
8	(private adj3 public adj3 association\$).mp.
9	(private adj3 public adj3 coalition\$).mp.
10	(private adj3 public adj3 union\$).mp.
11	(private adj3 public adj3 consortium\$).mp.
12	(private adj3 public adj3 initiative\$).mp.
13	(private adj3 public adj3 joint\$).mp.
14	(private adj3 public adj3 ownership\$).mp.
15	privatepublic.mp.
16	publicprivate.mp.
17	(afghanistan or angola or armenia or armenian or bangladesh or benin or bhutan or bolivia or burkina faso or burkina fasso or upper volta or burundi or urundi or cabo verde or cape verde or cambodia or kampuchea or khmer republic or cameroon or cameron or cameroun or central african republic or ubangi shari or chad or comoros or comoro islands or iles comores or mayotte or democratic republic of the congo or democratic republic congo or congo or zaire or "cote d'ivoire" or "cote d' ivoire" or cote divoire or cote d ivoire or ivory coast or djibouti or french somaliland or egypt or united arab republic or el salvador or eritrea or eswatini or swaziland or ethiopia or gambia or "georgia (republic)" or georgian or ghana or guam or guatemala or guinea or guinea bissau or haiti or hispaniola or honduras or india or indonesia or timor or jordan or kenya or Kiribati or "democratic people's republic of korea" or republic of korea or north korea or korea or kosovo or kyrgyzstan or kirghizia or kirgizstan or kyrgyz republic or kirghiz or laos or lao pdr or "lao people's democratic republic" or lesotho or basutoland or

	liberia or madagascar or malagasy republic or malawi or nyasaland or mali or micronesia or federated states of micronesia or kiribati or tuvalu or mauritania or moldova or moldovian or mongolia or morocco or ifni or mozambique or portuguese east africa or myanmar or burma or nepal or nicaragua or niger or nigeria or pakistan or papua new guinea or new guinea or philippines or philipines or phillippines or philippines or rwanda or ruanda or "sao tome and principe" or senegal or sierra leone or melanesia or solomon island or solomon islands or somalia or south sudan or sri lanka or ceylon or sudan or syria or syrian arab republic or tajikistan or tadjikistan or tadzhikistan or tadzhik or tanzania or tanganyika or timor leste or east timor or togo or togolese republic or Tokelau or tunisia or uganda or ukraine or uzbekistan or uzbek or vanuatu or new hebrides or vietnam or viet nam or middle east or west bank or gaza or palestine or yemen or zambia or zimbabwe or northern rhodesia or global south or africa south of the sahara or sub-saharan africa or subsaharan africa or africa, central or central africa or africa, northern or north africa or northern africa or magreb or maghrib or sahara or africa, southern or southern africa or africa, eastern or east africa or eastern africa or africa, western or west africa or western africa or west indies or indian ocean islands or caribbean or central america or latin america or "south and central america" or south america or asia, central or central asia or asia, northern or north asia or northern asia or asia, southeastern or southeastern asia or south eastern asia or southeast asia or south east asia or asia, western or western asia or europe, eastern or east europe or eastern europe or developing country or developing countries or developing nation? or developing population? or developing world or less developed countr* or least developed nation? or least developed population? or least developed world or least developed countr* or less developed nation? or less developed population? or less developed world or lesser developed countr* or lesser developed nation? or lesser developed population? or lesser developed world or under developed countr* or under developed nation? or under developed population? or under developed world or underdeveloped countr* or underdeveloped nation? or underdeveloped population? or underdeveloped world or lower middle income countr* or lower middle income nation? or lower middle income population? or low income countr* or low income nation? or low income population? or lower income countr* or lower income nation? or lower income population? or underserved countr* or underserved nation? or underserved population? or underserved world or under served countr* or under served nation? or under served population? or under served world or deprived countr* or deprived nation? or deprived population? or deprived world or poor countr* or poor nation? or poor population? or poor world or poorer countr* or poorer nation? or poorer population? or poorer world or developing econom* or less developed econom* or lesser developed econom* or under developed econom* or underdeveloped econom* or lower middle income econom* or low income econom* or lower income econom* or low gdp or low gnp or low gross domestic or low gross national or lower gdp or lower gnp or lower gross domestic or lower gross national or lmic or lmic's or third world or lami countr* or transitional countr* or emerging economies or emerging nation?).ti,ab,sh,kw.
18	or/1-16
19	17 and 18
20	19 not (conference paper or editorial or letter).pt.

Ovid search strategy: HMIC Health Management Information Consortium

1	partnerships/
2	public private mix/
3	(Public adj3 private adj3 partnership\$).mp.
4	(Public adj3 private adj3 mix\$).mp.
5	(Private adj3 public adj3 collaborat\$).mp.
6	(Private adj3 public adj3 cooperati\$).mp.
7	(Private adj3 public adj3 co-operati\$).mp.
8	(private adj3 public adj3 alliance\$).mp.
9	(private adj3 public adj3 association\$).mp.

10	(private adj3 public adj3 coalition\$).mp.
11	(private adj3 public adj3 union\$).mp.
12	(private adj3 public adj3 consortium\$).mp.
13	(private adj3 public adj3 initiative\$).mp.
14	(private adj3 public adj3 joint\$).mp.
15	(private adj3 public adj3 ownership\$).mp.
16	privatepublic.mp.
17	publicprivate.mp.
18	(afghanistan or angola or armenia or armenian or bangladesh or benin or bhutan or bolivia or burkina faso or burkina fasso or upper volta or burundi or urundi or cabo verde or cape verde or cambodia or kampuchea or khmer republic or cameroon or cameron or cameroun or central african republic or ubangi shari or chad or comoros or comoro islands or iles comores or mayotte or democratic republic of the congo or democratic republic congo or congo or zaire or "cote d'ivoire" or "cote d'ivoire" or cote divoire or cote d ivoire or ivory coast or djibouti or french somaliland or egypt or united arab republic or el salvador or eritrea or eswatini or swaziland or ethiopia or gambia or "georgia (republic)" or georgian or ghana or guam or guatemala or guinea or guinea bissau or haiti or hispaniola or honduras or india or indonesia or timor or jordan or kenya or Kiribati or "democratic people's republic of korea" or republic of korea or north korea or korea or kosovo or kyrgyzstan or kirghizia or kirgizstan or kyrgyz republic or kirghiz or laos or lao pdr or "lao people's democratic republic" or lesotho or basutoland or liberia or madagascar or malagasy republic or malawi or nyasaland or mali or micronesia or federated states of micronesia or kiribati or tuvalu or mauritania or moldova or moldovian or mongolia or morocco or ifni or mozambique or portuguese east africa or myanmar or burma or nepal or nicaragua or niger or nigeria or pakistan or papua new guinea or new guinea or philippines or philipines or phillipines or philippines or rwanda or ruanda or "sao tome and principe" or senegal or sierra leone or melanesia or solomon island or solomon islands or somalia or south sudan or sri lanka or ceylon or sudan or syria or syrian arab republic or tajikistan or tadjikistan or tadjikistan or tadjik or tanzania or tanganyika or timor leste or east timor or togo or togolese republic or Tokelau or tunisia or uganda or ukraine or uzbekistan or uzbek or vanuatu or new hebrides or vietnam or viet nam or middle east or west bank or gaza or palestine or yemen or zambia or zimbabwe or northern rhodesia or global south or africa south of the sahara or sub-saharan africa or subsaharan africa or africa, central or central africa or africa, northern or north africa or northern africa or magreb or maghrib or sahara or africa, southern or southern africa or africa, eastern or east africa or eastern africa or africa, western or west africa or western africa or west indies or indian ocean islands or caribbean or central america or latin america or "south and central america" or south america or asia, central or central asia or asia, northern or north asia or northern asia or asia, southeastern or southeastern asia or south eastern asia or southeast asia or south east asia or asia, western or western asia or europe, eastern or east europe or eastern europe or developing country or developing countries or developing nation? or developing population? or developing world or less developed countr* or least developed nation? or least developed population? or least developed world or least developed countr* or less developed nation? or less developed population? or less developed world or lesser developed countr* or lesser developed nation? or lesser developed population? or lesser developed world or under developed countr* or under developed nation? or under developed population? or under developed world or underdeveloped countr* or underdeveloped nation? or underdeveloped population? or underdeveloped world or lower middle income countr* or lower middle income nation? or lower middle income population? or low income countr* or low income nation? or low income population? or lower income countr* or lower income nation? or lower income population? or underserved countr* or underserved nation? or underserved population? or underserved world or under served countr* or under served nation? or under served population? or under served world or deprived countr* or deprived nation? or deprived population? or deprived world or poor countr* or poor nation? or poor population? or poor world or poorer countr* or poorer nation? or poorer population? or poorer world or developing econom* or less developed econom* or lesser developed econom* or under developed econom* or underdeveloped econom* or lower middle income econom* or low income econom* or

	lower income econom* or low gdp or low gnp or low gross domestic or low gross national or lower gdp or lower gnp or lower gross domestic or lower gross national or lmic or lmic or third world or lami countr* or transitional countr* or emerging economies or emerging nation?).mp.
19	or/1-17
20	18 and 19

Ovid search strategy: SSCI, SCI and ESCI via the Web of Science

1	TS=(Public NEAR/3 private NEAR/3 partnership\$)
2	TS=(Public NEAR/3 private NEAR/3 mix\$)
3	TS=(Private NEAR/3 public NEAR/3 collaborat\$)
4	TS=(Private NEAR/3 public NEAR/3 cooperati\$)
5	TS=(Private NEAR/3 public NEAR/3 co-operati\$)
6	TS=(private NEAR/3 public NEAR/3 alliance\$)
7	TS=(private NEAR/3 public NEAR/3 association\$)
8	TS=(private NEAR/3 public NEAR/3 coalition\$)
9	TS=(private NEAR/3 public NEAR/3 union\$)
10	TS=(private NEAR/3 public NEAR/3 consortium\$)
11	TS=(private NEAR/3 public NEAR/3 initiative\$)
12	TS=(private NEAR/3 public NEAR/3 joint\$)
13	TS=(private NEAR/3 public NEAR/3 ownership\$)
14	TS=publicprivate
15	TS=(afghanistan or angola or armenia or armenian or bangladesh or benin or bhutan or bolivia or burkina faso or "burkina fasso" or "upper volta" or burundi or urundi or "cabo verde" or "cape verde" or cambodia or kampuchea or "khmer republic" or cameroon or cameron or cameroun or "central african republic" or "ubangi shari" or chad or comoros or "comoro islands" or "iles comores" or mayotte or "democratic republic of the congo" or "democratic republic congo" or congo or zaire or "cote d'ivoire")
16	TS=("cote d'ivoire" or "cote divoire" or "cote d ivoire" or "ivory coast" or djibouti or "french Somaliland" or egypt or "united arab republic" or "el Salvador" or eritrea or eswatini or swaziland or ethiopia or gambia or "georgia (republic)" or georgian or ghana or guam or guatemala or guinea or "guinea Bissau" or haiti or hispaniola or honduras or india or indonesia or timor or jordan or kenya or Kiribati or "democratic people's republic of korea" or "republic of korea" or "north korea" or korea or kosovo or Kyrgyzstan)
17	TS=(kirghizia or kirgizstan or "kyrgyz republic" or kirghiz or laos or lao pdr or "lao people's democratic republic" or lesotho or basutoland or liberia or madagascar or "malagasy republic" or malawi or nyasaland or mali or micronesia or "federated states of Micronesia" or kiribati or tuvalu or mauritania or moldova or moldovian or mongolia or morocco or ifni or mozambique or "portuguese east Africa" or myanmar or burma or nepal or nicaragua or niger or nigeria or pakistan or papua new guinea)
18	TS=("new guinea" or philippines or philipines or phillipines or phillippines or rwanda or ruanda or "sao tome and principe" or senegal or "sierra leone" or melanesia or "solomon island" or "solomon islands" or somalia or "south sudan" or "sri lanka" or ceylon or sudan or syria or "syrian arab republic" or tajikistan or tadjikistan or tadjhikistan or tadjhik or tanzania or tanganyika or "timor leste" or "east timor" or togo or "togolese republic" or Tokelau or tunisia or uganda or ukraine or uzbekistan or uzbek or Vanuatu)
19	TS=("new Hebrides" or vietnam or "viet nam" or "middle east" or "west bank" or gaza or palestine or yemen or zambia or zimbabwe or "northern Rhodesia" or "global south" or "africa south of the sahara" or "sub-saharan Africa" or "subsaharan Africa" or "africa, central" or "central Africa" or "africa, northern" or "north Africa" or "northern Africa" or magreb or maghrib or sahara or "africa, southern" or "southern Africa" or "africa, eastern" or "east Africa" or "eastern africa" or "africa, western" or "west Africa" or "western Africa")
20	TS=("west indies" or "indian ocean islands" or caribbean or "central America" or "latin America" or "south and central america" or "south America" or "asia, central" or "central asia" or "asia, northern" or "north asia" or "northern asia" or "asia, southeastern" or "southeastern asia" or "south eastern asia" or "southeast

	asia" or "south east asia" or "asia, western" or "western asia" or "europe, eastern" or "east Europe" or "eastern Europe" or "developing country" or "developing countries" or "developing nation?" or "developing population?")
21	TS=("developing world" or "less developed countr*" or "least developed nation?" or "least developed population?" or "least developed world" or "least developed countr*" or "less developed nation?" or "less developed population?" or "less developed world" or "lesser developed countr*" or "lesser developed nation?" or "lesser developed population?" or "lesser developed world" or "under developed countr*" or "under developed nation?" or "under developed population?" or "under developed world")
22	TS=("underdeveloped countr*" or "underdeveloped nation?" or "underdeveloped population?" or "underdeveloped world" or "lower middle income countr*" or "lower middle income nation?" or "lower middle income population?" or "low income countr*" or "low income nation?" or "low income population?" or "lower income countr*" or "lower income nation?" or "lower income population?" or "underserved countr*" or "underserved nation?" or "underserved population?" or "underserved world")
23	TS=("under served countr*" or "under served nation?" or "under served population?" or "under served world" or "deprived countr*" or "deprived nation?" or "deprived population?" or "deprived world" or "poor countr*" or "poor nation?" or "poor population?" or "poor world" or "poorer countr*" or "poorer nation?" or "poorer population?" or "poorer world" or "developing econom*" or "less developed econom*" or "lesser developed econom*" or "under developed econom*" or "underdeveloped econom*")
24	TS=("lower middle income econom*" or "low income econom*" or "lower income econom*" or "low gdp" or "low gnp" or "low gross domestic" or "low gross national" or "lower gdp" or "lower gnp" or "lower gross domestic" or "lower gross national" or lmic or lmics or "third world" or "lami countr*" or "transitional countr*" or "emerging economies" or "emerging nation?")
	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15#16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25#26 AND #27

CENTRAL (via The Cochrane Library) (Includes EPOC Search Register)

1	Public-Private Sector Partnerships/
2	(Public NEAR/3 private NEAR/3 partnership\$) OR (Public NEAR/3 private NEAR/3 mix\$) OR (Private NEAR/3 public NEAR/3 collaborat\$) OR (Private NEAR/3 public NEAR/3 cooperati\$) OR (Private NEAR/3 public NEAR/3 co-operati\$) OR
3	(afghanistan or angola or armenia or armenian or bangladesh or benin or bhutan or bolivia or burkina faso or burkina fasso or upper volta or burundi or urundi or cabo verde or cape verde or cambodia or kampuchea or khmer republic or cameroon or cameron or cameroun or central african republic or ubangi shari or chad or comoros or comoro islands or iles comores or mayotte or democratic republic of the congo or democratic republic congo or congo or zaire or "cote d'ivoire" or "cote d' ivoire" or cote divoire or cote d ivoire or ivory coast or djibouti or french somaliland or egypt or united arab republic or el salvador or eritrea or eswatini or swaziland or ethiopia or gambia or "georgia (republic)" or georgian or ghana or guam or guatemala or guinea or guinea bissau or haiti or hispaniola or honduras or india or indonesia or timor or jordan or kenya or Kiribati or "democratic people's republic of korea" or republic of korea or north korea or korea or kosovo or kyrgyzstan or kirghizia or kirgizstan or kyrgyz republic or kirghiz or laos or lao pdr or "lao people's democratic republic" or lesotho or basutoland or liberia or madagascar or malagasy republic or malawi or nyasaland or mali or micronesia or federated states of micronesia or kiribati or tuvalu or mauritania or moldova or moldovian or mongolia or morocco or ifni or mozambique or portuguese east africa or myanmar or burma or nepal or nicaragua or niger or nigeria or pakistan or papua new guinea or new guinea or philippines or philipines or phillipines or phillippines or rwanda or ruanda or "sao tome and principe" or senegal or sierra leone or melanesia or solomon island or solomon islands or somalia or south sudan or sri lanka or ceylon or sudan or syria or syrian arab republic or tajikistan or tadjikistan or tadjhikistan or tadjhik or tanzania or tanganyika or timor leste or east timor or togo or togolese republic or Tokelau or tunisia or uganda or ukraine or uzbekistan or uzbek or vanuatu or new hebrides or vietnam or viet nam or middle east or west bank or gaza or palestine or yemen or zambia or zimbabwe or northern rhodesia or global south or africa south of the sahara or sub-saharan africa or subsaharan africa or africa, central or central africa or africa, northern or north africa or northern africa or magreb or maghrib or sahara or africa, southern or southern africa or africa, eastern or east

	africa or eastern africa or africa, western or west africa or western africa or west indies or indian ocean islands or caribbean or central america or latin america or "south and central america" or south america or asia, central or central asia or asia, northern or north asia or northern asia or asia, southeastern or southeastern asia or south eastern asia or southeast asia or south east asia or asia, western or western asia or europe, eastern or east europe or eastern europe or developing country or developing countries or developing nation? or developing population? or developing world or less developed countr* or least developed nation? or least developed population? or least developed world or least developed countr* or less developed nation? or less developed population? or less developed world or lesser developed countr* or lesser developed nation? or lesser developed population? or lesser developed world or under developed countr* or under developed nation? or under developed population? or under developed world or underdeveloped countr* or underdeveloped nation? or underdeveloped population? or underdeveloped world or lower middle income countr* or lower middle income nation? or lower middle income population? or low income countr* or low income nation? or low income population? or lower income countr* or lower income nation? or lower income population? or underserved countr* or underserved nation? or underserved population? or underserved world or under served countr* or under served nation? or under served population? or under served world or deprived countr* or deprived nation? or deprived population? or deprived world or poor countr* or poor nation? or poor population? or poor world or poorer countr* or poorer nation? or poorer population? or poorer world or developing econom* or less developed econom* or lesser developed econom* or under developed econom* or underdeveloped econom* or lower middle income econom* or low income econom* or lower income econom* or low gdp or low gnp or low gross domestic or low gross national or lower gdp or lower gnp or lower gross domestic or lower gross national or lmics or third world or lami countr* or transitional countr* or emerging economies or emerging nation?)
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3ie International Initiative for Impact Evaluation via <https://www.3ieimpact.org/>

Search terms: (public private) OR Abstract:(public private) OR Keywords:(public private) limited to
country filter