

Appendix 1

Search Strategy: PUBMED

Initial Search: Feb 4 2020; Follow up search date: 11/22/2020; Second Follow up search date: 11/30/2020, revised for CINAHL performed on 11/20/2022

Emergency med terms

"emergency responder"[tw] OR "emergency responders"[tw] OR "emergency doctor"[tw] OR "emergency doctors"[tw] OR "emergency clinician"[tw] OR "emergency clinicians"[tw] OR "emergency physician"[tw] OR "emergency physicians"[tw] OR "emergency personnel"[tw] OR "emergency medical personnel"[tw] OR "emergency service"[tw] OR "emergency services"[tw] OR "emergency medical service"[tw] OR "emergency medical services"[tw] OR "emergency medicine"[tw] OR "emergency health service"[tw] OR "emergency health services"[tw] OR "emergency care"[tw] OR "emergency healthcare"[tw] OR "emergency treatment"[tw] OR "emergency treatments"[tw] OR "emergency department"[tw] OR "emergency departments"[tw] OR "emergency room"[tw] OR "emergency rooms"[tw] OR "emergency ward"[tw] OR "emergency wards"[tw] OR "emergency unit"[tw] OR "emergency units"[tw] OR "emergency hospital"[tw] OR "emergency hospitals"[tw] OR "emergency clinic"[tw] OR "emergency clinics"[tw] OR "emergency setting"[tw] OR "emergency staff"[tw] OR "emergency response"[tw] OR "emergency medical technician"[tw] OR "emergency medical technicians"[tw] OR "paramedic"[tw] OR "paramedics"[tw] OR "ambulance"[tw] OR "ambulances"[tw] OR "ER"[tw] OR "first responder"[tw] OR "first responders"[tw] OR "rescue work"[tw] OR "rescue worker"[tw] OR "rescue workers"[tw] OR "relief work"[tw] OR "relief worker"[tw] OR "relief workers"[tw] OR "firefighter"[tw] OR "firefighters"[tw] OR "fire fighter"[tw] OR "fire fighters"[tw] OR "trauma center"[tw] OR "trauma centers"[tw] OR "trauma unit"[tw] OR "trauma units"[tw] OR "critical care"[tw] OR "critical illness"[tw] OR "critical illnesses"[tw] OR "resuscitation"[tw] OR "shock"[tw] OR "sepsis"[tw] OR "septicemia"[tw] OR "septicaemia"[tw] OR "acute care"[tw] OR "acute disease"[tw] OR "acute diseases"[tw] OR "prehospital"[tw] OR "pre hospital"[tw] OR "wound"[tw] OR "wounds"[tw] OR "triage"[tw] OR "pregnancy complication"[tw] OR "pregnancy complications"[tw] OR "obstetric complication"[tw] OR "obstetric complications"[tw] OR "obstetric emergency"[tw] OR "obstetric emergencies"[tw]

AND

"Access"[tw]) AND ("availability" OR "availabl*" OR "affordab*" OR "cost" OR "distance" OR "spatial" OR "barrier" OR "barriers" OR "quality")

AND

LMIC: based on Cochrane Foundation PubMed Filter

("developing country"[tw] OR "developing countries"[tw] OR "developing nation"[tw] OR "developing nations"[tw] OR "developing population"[tw] OR "developing populations"[tw] OR "developing world"[tw] OR "less developed country"[tw] OR "less developed countries"[tw] OR "less developed nation"[tw] OR "less developed nations"[tw] OR "less developed population"[tw] OR "less developed populations"[tw] OR "less developed world"[tw] OR "lesser developed country"[tw] OR "lesser developed countries"[tw] OR "lesser developed nation"[tw] OR "lesser developed nations"[tw] OR "lesser developed population"[tw] OR "lesser developed populations"[tw] OR "lesser developed world"[tw] OR "least developed country"[tw] OR "least developed countries"[tw] OR "least developed nation"[tw] OR "least developed nations"[tw] OR "least developed population"[tw] OR "least developed populations"[tw] OR "least developed world"[tw] OR "under developed country"[tw] OR "under developed countries"[tw] OR "under developed nation"[tw] OR "under developed nations"[tw] OR "under developed population"[tw]

OR "under developed populations"[tw] OR "under developed world"[tw] OR "underdeveloped country"[tw] OR "underdeveloped countries"[tw] OR "underdeveloped nation"[tw] OR "underdeveloped nations"[tw] OR "underdeveloped population"[tw] OR "underdeveloped populations"[tw] OR "underdeveloped world"[tw] OR "middle income country"[tw] OR "middle income countries"[tw] OR "middle income nation"[tw] OR "middle income nations"[tw] OR "middle income population"[tw] OR "middle income populations"[tw] OR "low income country"[tw] OR "low income countries"[tw] OR "low income nation"[tw] OR "low income nations"[tw] OR "low income population"[tw] OR "low income populations"[tw] OR "lower income country"[tw] OR "lower income countries"[tw] OR "lower income nation"[tw] OR "lower income nations"[tw] OR "lower income population"[tw] OR "lower income populations"[tw] OR "underserved country"[tw] OR "underserved countries"[tw] OR "underserved nation"[tw] OR "underserved nations"[tw] OR "underserved population"[tw] OR "underserved populations"[tw] OR "underserved world"[tw] OR "under served country"[tw] OR "under served countries"[tw] OR "under served nation"[tw] OR "under served nations"[tw] OR "under served population"[tw] OR "under served populations"[tw] OR "under served world"[tw] OR "deprived country"[tw] OR "deprived countries"[tw] OR "deprived nation"[tw] OR "deprived nations"[tw] OR "deprived population"[tw] OR "deprived populations"[tw] OR "deprived world"[tw] OR "poor country"[tw] OR "poor countries"[tw] OR "poor nation"[tw] OR "poor nations"[tw] OR "poor population"[tw] OR "poor populations"[tw] OR "poor world"[tw] OR "poorer country"[tw] OR "poorer countries"[tw] OR "poorer nation"[tw] OR "poorer nations"[tw] OR "poorer population"[tw] OR "poorer populations"[tw] OR "poorer world"[tw] OR "developing economy"[tw] OR "developing economies"[tw] OR "less developed economy"[tw] OR "less developed economies"[tw] OR "lesser developed economy"[tw] OR "lesser developed economies"[tw] OR "under developed economy"[tw] OR "under developed economies"[tw] OR "underdeveloped economy"[tw] OR "underdeveloped economies"[tw] OR "middle income economy"[tw] OR "middle income economies"[tw] OR "low income economy"[tw] OR "low income economies"[tw] OR "lower income economy"[tw] OR "lower income economies"[tw] OR "low gdp"[tw] OR "low gnp"[tw] OR "low gross domestic"[tw] OR "low gross national"[tw] OR "lower gdp"[tw] OR "lower gnp"[tw] OR "lower gross domestic"[tw] OR "lower gross national"[tw] OR lmic[tw] OR lmics[tw] OR "third world"[tw] OR "lami country"[tw] OR "lami countries"[tw] OR "transitional country"[tw] OR "transitional countries"[tw] OR Africa[tw] OR Asia[tw] OR Caribbean[tw] OR West Indies[tw] OR South America[tw] OR Latin America[tw] OR Central America[tw] OR Afghanistan[tw] OR Albania[tw] OR Algeria[tw] OR Angola[tw] OR Antigua[tw] OR Barbuda[tw] OR Argentina[tw] OR Armenia[tw] OR Armenian[tw] OR Aruba[tw] OR Azerbaijan[tw] OR Bahrain[tw] OR Bangladesh[tw] OR Barbados[tw] OR Benin[tw] OR Byelarus[tw] OR Byelorussian[tw] OR Belarus[tw] OR Belorussian[tw] OR Belorussia[tw] OR Belize[tw] OR Bhutan[tw] OR Bolivia[tw] OR Bosnia[tw] OR Herzegovina[tw] OR Hercegovina[tw] OR Botswana[tw] OR Brasil[tw] OR Brazil[tw] OR Bulgaria[tw] OR Burkina Faso[tw] OR Burkina Fasso[tw] OR Upper Volta[tw] OR Burundi[tw] OR Urundi[tw] OR Cambodia[tw] OR Khmer Republic[tw] OR Kampuchea[tw] OR Cameroon[tw] OR Cameroons[tw] OR Cameron[tw] OR Camerons[tw] OR Cape Verde[tw] OR Central African Republic[tw] OR Chad[tw] OR Chile[tw] OR China[tw] OR Colombia[tw] OR Comoros[tw] OR Comoro Islands[tw] OR Comores[tw] OR Mayotte[tw] OR Congo[tw] OR Zaire[tw] OR Costa Rica[tw] OR Cote d'Ivoire[tw] OR Ivory Coast[tw] OR Croatia[tw] OR Cuba[tw] OR Cyprus[tw] OR Czechoslovakia[tw] OR Czech Republic[tw] OR Slovakia[tw] OR Slovak Republic[tw] OR Djibouti[tw] OR French Somaliland[tw] OR Dominica[tw] OR Dominican Republic[tw] OR East Timor[tw] OR East Timur[tw] OR Timor Leste[tw] OR Ecuador[tw] OR Egypt[tw] OR United Arab Republic[tw] OR El Salvador[tw] OR Eritrea[tw] OR Estonia[tw] OR Ethiopia[tw] OR Fiji[tw] OR Gabon[tw] OR Gabonese Republic[tw] OR Gambia[tw] OR Gaza[tw] OR Georgia Republic[tw] OR Georgian Republic[tw] OR Ghana[tw] OR Gold Coast[tw] OR Greece[tw] OR Grenada[tw] OR Guatemala[tw] OR Guinea[tw] OR Guam[tw] OR Guiana[tw] OR Guyana[tw] OR Haiti[tw] OR Honduras[tw] OR Hungary[tw] OR India[tw] OR Maldives[tw]

OR Indonesia[tw] OR Iran[tw] OR Iraq[tw] OR Isle of Man[tw] OR Jamaica[tw] OR Jordan[tw]
OR Kazakhstan[tw] OR Kazakh[tw] OR Kenya[tw] OR Kiribati[tw] OR Korea[tw] OR Kosovo[tw]
OR Kyrgyzstan[tw] OR Kirghizia[tw] OR Kyrgyz Republic[tw] OR Kirghiz[tw] OR Kirgizstan[tw]
OR "Lao PDR"[tw] OR Laos[tw] OR Latvia[tw] OR Lebanon[tw] OR Lesotho[tw] OR
Basutoland[tw] OR Liberia[tw] OR Libya[tw] OR Lithuania[tw] OR Macedonia[tw] OR
Madagascar[tw] OR Malagasy Republic[tw] OR Malaysia[tw] OR Malaya[tw] OR Malay[tw] OR
Sabah[tw] OR Sarawak[tw] OR Malawi[tw] OR Nyasaland[tw] OR Mali[tw] OR Malta[tw] OR
Marshall Islands[tw] OR Mauritania[tw] OR Mauritius[tw] OR Agalega Islands[tw] OR Mexico[tw]
OR Micronesia[tw] OR Middle East[tw] OR Moldova[tw] OR Moldovia[tw] OR Moldovian[tw] OR
Mongolia[tw] OR Montenegro[tw] OR Morocco[tw] OR Ifni[tw] OR Mozambique[tw] OR
Myanmar[tw] OR Myanma[tw] OR Burma[tw] OR Namibia[tw] OR Nepal[tw] OR Netherlands
Antilles[tw] OR New Caledonia[tw] OR Nicaragua[tw] OR Niger[tw] OR Nigeria[tw] OR Northern
Mariana Islands[tw] OR Oman[tw] OR Muscat[tw] OR Pakistan[tw] OR Palau[tw] OR
Palestine[tw] OR Panama[tw] OR Paraguay[tw] OR Peru[tw] OR Philippines[tw] OR
Philippines[tw] OR Phillipines[tw] OR Phillippines[tw] OR Poland[tw] OR Portugal[tw] OR Puerto
Rico[tw] OR Rhodesia[tw] OR Romania[tw] OR Rumania[tw] OR Roumania[tw] OR Russia[tw]
OR Russian[tw] OR Rwanda[tw] OR Ruanda[tw] OR Saint Kitts[tw] OR St Kitts[tw] OR Nevis[tw]
OR Saint Lucia[tw] OR St Lucia[tw] OR Saint Vincent[tw] OR St Vincent[tw] OR Grenadines[tw]
OR Samoa[tw] OR Samoan Islands[tw] OR Navigator Island[tw] OR Navigator Islands[tw] OR
Sao Tome[tw] OR Saudi Arabia[tw] OR Senegal[tw] OR Serbia[tw] OR Montenegro[tw] OR
Seychelles[tw] OR Sierra Leone[tw] OR Slovenia[tw] OR Sri Lanka[tw] OR Ceylon[tw] OR
Solomon Islands[tw] OR Somalia[tw] OR Sudan[tw] OR Suriname[tw] OR Surinam[tw] OR
Swaziland[tw] OR Syria[tw] OR Tajikistan[tw] OR Tadzhikistan[tw] OR Tadjikistan[tw] OR
Tadzhik[tw] OR Tanzania[tw] OR Thailand[tw] OR Togo[tw] OR Togolese Republic[tw] OR
Tonga[tw] OR Trinidad[tw] OR Tobago[tw] OR Tunisia[tw] OR Turkey[tw] OR Turkmenistan[tw]
OR Turkmen[tw] OR Uganda[tw] OR Ukraine[tw] OR Uruguay[tw] OR USSR[tw] OR Soviet
Union[tw] OR Union of Soviet Socialist Republics[tw] OR Uzbekistan[tw] OR Uzbek OR
Vanuatu[tw] OR New Hebrides[tw] OR Venezuela[tw] OR Vietnam[tw] OR Viet Nam[tw] OR
West Bank[tw] OR Yemen[tw] OR Yugoslavia[tw] OR Zambia[tw] OR Zimbabwe[tw] OR Pacific
region OR Pacific island)

OVID, Global Health (CABI):
Used Identical terms as Embase

Embase:
Date of Search: Feb 6 2020

Access terms

(‘emergency responder’ OR ‘emergency responders’ OR ‘emergency doctor’ OR ‘emergency doctors’ OR ‘emergency clinician’ OR ‘emergency clinicians’ OR ‘emergency physician’ OR ‘emergency physicians’ OR ‘emergency personnel’ OR ‘emergency medical personnel’ OR ‘emergency service’ OR ‘emergency services’ OR ‘emergency medical service’ OR ‘emergency medical services’ OR ‘emergency medicine’ OR ‘emergency health service’ OR ‘emergency health services’ OR ‘emergency care’ OR ‘emergency healthcare’ OR ‘emergency treatment’ OR ‘emergency treatments’ OR ‘emergency department’ OR ‘emergency departments’ OR ‘emergency room’ OR ‘emergency rooms’ OR ‘emergency ward’ OR ‘emergency wards’ OR ‘emergency unit’ OR ‘emergency units’ OR ‘emergency hospital’ OR ‘emergency hospitals’ OR ‘emergency clinic’ OR ‘emergency clinics’ OR ‘emergency setting’ OR ‘emergency staff’ OR ‘emergency response’ OR ‘emergency medical technician’ OR ‘emergency medical technicians’ OR ‘paramedic’ OR ‘paramedics’ OR ‘ambulance’ OR ‘ambulances’ OR ‘ER’ OR ‘first responder’ OR ‘first responders’ OR ‘rescue work’ OR ‘rescue worker’ OR ‘rescue workers’ OR ‘relief work’ OR ‘relief worker’ OR ‘relief workers’ OR ‘firefighter’ OR ‘firefighters’ OR ‘fire fighter’ OR ‘fire fighters’ OR ‘trauma center’ OR ‘trauma centers’ OR ‘trauma unit’ OR ‘trauma units’ OR ‘critical care’ OR ‘critical illness’ OR ‘critical illnesses’ OR ‘resuscitation’ OR ‘shock’ OR ‘sepsis’ OR ‘septicemia’ OR ‘septicaemia’ OR ‘acute care’ OR ‘acute disease’ OR ‘acute diseases’ OR ‘prehospital’ OR ‘pre hospital’ OR ‘wound’ OR ‘wounds’ OR ‘triage’ OR ‘pregnancy complication’ OR ‘pregnancy complications’ OR ‘obstetric complication’ OR ‘obstetric complications’ OR ‘obstetric emergency’ OR ‘obstetric emergencies’)

AND ‘Access’ AND (‘availability’ OR ‘availabl*’ OR ‘affordab*’ OR ‘cost’ OR ‘distance’ OR ‘spatial’ OR ‘barrier’ OR ‘barriers’ OR ‘quality’) AND (‘emergency responder’ OR ‘emergency responders’ OR ‘emergency doctor’ OR ‘emergency doctors’ OR ‘emergency clinician’ OR ‘emergency clinicians’ OR ‘emergency physician’ OR ‘emergency physicians’ OR ‘emergency personnel’ OR ‘emergency medical personnel’ OR ‘emergency service’ OR ‘emergency services’ OR ‘emergency medical service’ OR ‘emergency medical services’ OR ‘emergency medicine’ OR ‘emergency health service’ OR ‘emergency health services’ OR ‘emergency care’ OR ‘emergency healthcare’ OR ‘emergency treatment’ OR ‘emergency treatments’ OR ‘emergency department’ OR ‘emergency departments’ OR ‘emergency room’ OR ‘emergency rooms’ OR ‘emergency ward’ OR ‘emergency wards’ OR ‘emergency unit’ OR ‘emergency units’ OR ‘emergency hospital’ OR ‘emergency hospitals’ OR ‘emergency clinic’ OR ‘emergency clinics’ OR ‘emergency setting’ OR ‘emergency staff’ OR ‘emergency response’ OR ‘emergency medical technician’ OR ‘emergency medical technicians’ OR ‘paramedic’ OR ‘paramedics’ OR ‘ambulance’ OR ‘ambulances’ OR ‘ER’ OR ‘first responder’ OR ‘first responders’ OR ‘rescue work’ OR ‘rescue worker’ OR ‘rescue workers’ OR ‘relief work’ OR ‘relief worker’ OR ‘relief workers’ OR ‘firefighter’ OR ‘firefighters’ OR ‘fire fighter’ OR ‘fire fighters’ OR ‘trauma center’ OR ‘trauma centers’ OR ‘trauma unit’ OR ‘trauma units’ OR ‘critical care’ OR ‘critical illness’ OR ‘critical illnesses’ OR ‘resuscitation’ OR ‘shock’ OR ‘sepsis’ OR ‘septicemia’ OR ‘septicaemia’ OR ‘acute care’ OR ‘acute disease’ OR ‘acute diseases’ OR ‘prehospital’ OR ‘pre hospital’ OR ‘wound’ OR ‘wounds’ OR ‘triage’ OR ‘pregnancy complication’ OR ‘pregnancy complications’ OR ‘obstetric complication’ OR ‘obstetric complications’ OR ‘obstetric emergency’ OR ‘obstetric emergencies’)

AND (‘developing country’ OR ‘middle income country’ OR ‘middle income countr*’ OR ‘low income country’ OR ‘global medicine’ OR ‘third world’ OR ‘underserved countr*’ OR ‘resource limited country’ OR ‘lmic*’ OR ‘low income economy’ OR ‘middle income economy’ OR ‘underdeveloped countr*’ OR ‘underdeveloped economy’ OR ‘poor countr*’ OR ‘poor nation’ OR ‘world health’ OR ‘middle-income countr*’ OR ‘transitional countr*’ OR ‘lower middle income countr*’ OR ‘upper middle income’ OR ‘less developed countr*’ OR ‘lesser developed countr*’ OR ‘developing countr*’ OR ‘developing nation’ OR ‘lower-middle income countr*’ OR ‘upper-middle income countr*’ OR ‘low-income countr*’ OR ‘deprived countr*’ OR ‘low gdp’ OR ‘lami

countr** OR 'poorer nation' OR 'under served countr** OR 'under served nation' OR 'lower income population' OR 'low income population' OR 'developing world' OR 'africa' OR 'asia' OR 'caribbean' OR armenian OR aruba OR byelorussian OR belarus OR belorussian OR belorussia OR bosnia OR herzegovina OR hercegovina OR brasil OR 'comoro islands' OR comores OR mayotte OR zaire OR 'ivory coast' OR 'slovak republic' OR 'french somaliland' OR 'east timor' OR 'timor leste' OR 'united arab republic' OR 'gabonese republic' OR gaza OR 'georgia republic' OR 'georgian republic' OR 'gold coast' OR guiana OR maldives OR 'isle of man' OR kazakh OR kiribati OR kirghizia OR 'kyrgyz republic' OR kirghiz OR kirgizstan OR basutoland OR 'malagasy republic' OR malaya OR malay OR sabah OR sarawak OR nyasaland OR 'marshall islands' OR 'agalega islands' OR moldovia OR moldovian OR ifni OR myanma OR burma OR 'northern mariana islands' OR muscat OR palestine OR philippines OR philippines OR philippines OR rumania OR roumania OR russian OR ruanda OR 'saint kitts' OR 'st kitts' OR nevis OR 'st lucia' OR 'st vincent' OR 'samoan islands' OR 'navigator island' OR 'navigator islands' OR 'sao tome' OR ceylon OR 'solomon islands' OR surinam OR tadzhikistan OR tadjikistan OR tadjik OR 'togolese republic' OR turkmen OR 'soviet union' OR 'union of soviet socialist republics' OR uzbek OR 'new hebrides' OR 'viet nam' OR 'west bank' OR rhodesia OR africa OR 'africa, northern' OR 'africa south of the sahara' OR 'africa, central' OR 'africa, eastern or africa, southern' OR 'africa, western or asia' OR 'asia, central' OR 'asia, southeastern' OR 'asia, western' OR 'caribbean region' OR 'west indies' OR 'south america' OR 'latin america' OR 'central america' OR afghanistan OR albania OR algeria OR 'american samoa' OR angola OR antigua OR barbuda OR argentina OR armenia OR azerbaijan OR bahrain OR bangladesh OR barbados OR benin OR byelarus OR belize OR bhutan OR bolivia OR 'bosnia-herzegovina' OR botswana OR brazil OR bulgaria OR 'cape verde' OR 'central african republic' OR chad OR chile OR china OR colombia OR comoros OR congo OR 'costa rica' OR 'cote d ivoire' OR croatia OR cuba OR cyprus OR czechoslovakia OR 'czech republic' OR slovakia OR djibouti OR 'democratic republic of the congo' OR dominica OR 'dominican republic' OR 'east timor' OR ecuador OR egypt OR 'el salvador' OR eritrea OR estonia OR ethiopia OR fiji OR gabon OR gambia OR georgia OR ghana OR greece OR grenada OR guatemala OR guinea OR 'guinea-bissau' OR guam OR guyana OR haiti OR honduras OR hungary OR india OR indonesia OR iran OR iraq OR jamaica OR jordan OR kazakhstan OR kenya OR korea OR kosovo OR kyrgyzstan OR laos OR latvia OR lebanon OR lesotho OR liberia OR libya OR lithuania OR macedonia OR madagascar OR malaysia OR malawi OR mali OR malta OR mauritania OR mauritius OR mexico OR micronesia OR 'middle east' OR moldova OR mongolia OR morocco OR mozambique OR myanmar OR namibia OR nepal OR 'netherlands antilles' OR 'new caledonia' OR nicaragua OR niger OR nigeria OR oman OR pakistan OR palau OR panama OR 'papua new guinea' OR paraguay OR peru OR philippines OR poland OR portugal OR 'puerto rico' OR romania OR russia OR rwanda OR 'saint lucia' OR 'saint vincent' OR grenadines OR samoa OR 'saudi arabia' OR senegal OR serbia OR montenegro OR seychelles OR 'sierra leone' OR slovenia OR 'sri lanka' OR somalia OR 'south africa' OR sudan OR suriname OR swaziland OR syria OR tajikistan OR tanzania OR thailand OR togo OR tonga OR trinidad OR tobago OR tunisia OR turkey OR turkmenistan OR uganda OR ukraine OR uruguay OR ussr OR uzbekistan OR vanuatu OR venezuela OR vietnam OR yemen OR yugoslavia OR zambia OR zimbabwe OR 'burkina faso' OR 'upper volta' OR burundi OR urundi OR cambodia OR 'khmer republic' OR kampuchea OR cameroon OR cameroons OR 'cameron or' AND camérons OR 'cape verde' OR 'central african republic' OR 'pacific region' OR 'pacific island'

'access' AND ('availability' OR 'availabl** OR 'affordab** OR 'cost' OR 'distance' OR 'spatial' OR 'barrier' OR 'barriers' OR 'quality') AND ('emergency responder' OR 'emergency responders' OR 'emergency doctor' OR 'emergency doctors' OR 'emergency clinician' OR 'emergency clinicians' OR 'emergency physician' OR 'emergency physicians' OR 'emergency personnel' OR 'emergency medical personnel' OR 'emergency service' OR 'emergency services' OR

'emergency medical service' OR 'emergency medical services' OR 'emergency medicine' OR 'emergency health service' OR 'emergency health services' OR 'emergency care' OR 'emergency healthcare' OR 'emergency treatment' OR 'emergency treatments' OR 'emergency department' OR 'emergency departments' OR 'emergency room' OR 'emergency rooms' OR 'emergency ward' OR 'emergency wards' OR 'emergency unit' OR 'emergency units' OR 'emergency hospital' OR 'emergency hospitals' OR 'emergency clinic' OR 'emergency clinics' OR 'emergency setting' OR 'emergency staff' OR 'emergency response' OR 'emergency medical technician' OR 'emergency medical technicians' OR 'paramedic' OR 'paramedics' OR 'ambulance' OR 'ambulances' OR 'er' OR 'first responder' OR 'first responders' OR 'rescue work' OR 'rescue worker' OR 'rescue workers' OR 'relief work' OR 'relief worker' OR 'relief workers' OR 'firefighter' OR 'firefighters' OR 'fire fighter' OR 'fire fighters' OR 'trauma center' OR 'trauma centers' OR 'trauma unit' OR 'trauma units' OR 'critical care' OR 'critical illness' OR 'critical illnesses' OR 'resuscitation' OR 'shock' OR 'sepsis' OR 'septicemia' OR 'septicaemia' OR 'acute care' OR 'acute disease' OR 'acute diseases' OR 'prehospital' OR 'pre hospital' OR 'wound' OR 'wounds' OR 'triage' OR 'pregnancy complication' OR 'pregnancy complications' OR 'obstetric complication' OR 'obstetric complications' OR 'obstetric emergency' OR 'obstetric emergencies') AND (('developing country' OR 'middle income country' OR 'middle income countr*' OR 'low income country' OR 'global medicine' OR 'third world' OR 'underserved countr*' OR 'resource limited country' OR 'Imic*' OR 'low income economy' OR 'middle income economy' OR 'underdeveloped countr*' OR 'underdeveloped economy' OR 'poor countr*' OR 'poor nation' OR 'world health' OR 'middle-income countr*' OR 'transitional countr*' OR 'lower middle income countr*' OR 'upper middle income' OR 'less developed countr*' OR 'lesser developed countr*' OR 'developing countr*' OR 'developing nation' OR 'lower-middle income countr*' OR 'upper-middle income countr*' OR 'low-income countr*' OR 'deprived countr*' OR 'low gdp' OR 'lami countr*' OR 'poorer nation' OR 'under served countr*' OR 'under served nation' OR 'lower income population' OR 'low income population' OR 'developing world' OR 'africa' OR 'asia' OR 'caribbean' OR armenian OR aruba OR byelorussian OR belarus OR belorussian OR belorussia OR bosnia OR herzegovina OR hercegovina OR brasil OR 'comoro islands' OR comores OR mayotte OR zaire OR 'ivory coast' OR 'slovak republic' OR 'french somaliland' OR 'east timor' OR 'timor leste' OR 'united arab republic' OR 'gabonese republic' OR gaza OR 'georgia republic' OR 'georgian republic' OR 'gold coast' OR guiana OR maldives OR 'isle of man' OR kazakh OR kiribati OR kirghizia OR 'kyrgyz republic' OR kirghiz OR kirgizstan OR basutoland OR 'malagasy republic' OR malaya OR malay OR sabah OR sarawak OR niasaland OR 'marshall islands' OR 'agalega islands' OR moldovia OR moldovian OR ifni OR myanma OR burma OR 'northern mariana islands' OR muscat OR palestine OR philipines OR phillipines OR philippines OR rumania OR roumania OR russian OR ruanda OR 'saint kitts' OR 'st kitts' OR nevis OR 'st lucia' OR 'st vincent' OR 'samoan islands' OR 'navigator island' OR 'navigator islands' OR 'sao tome' OR ceylon OR 'solomon islands' OR surinam OR tadzhikistan OR tadjikistan OR tadjik OR 'togolese republic' OR turkmen OR 'soviet union' OR 'union of soviet socialist republics' OR uzbek OR 'new hebrides' OR 'viet nam' OR 'west bank' OR rhodesia OR africa OR 'africa, northern' OR 'africa south of the sahara' OR 'africa, central' OR 'africa, eastern or africa, southern' OR 'africa, western or asia' OR 'asia, central' OR 'asia, southeastern' OR 'asia, western' OR 'caribbean region' OR 'west indies' OR 'south america' OR 'latin america' OR 'central america' OR afghanistan OR albania OR algeria OR 'american samoa' OR angola OR antigua OR barbuda OR argentina OR armenia OR azerbaijan OR bahrain OR bangladesh OR barbados OR benin OR byelarus OR belize OR bhutan OR bolivia OR 'bosnia-herzegovina' OR botswana OR brazil OR bulgaria OR 'cape verde' OR 'central african republic' OR chad OR chile OR china OR colombia OR comoros OR congo OR 'costa rica' OR 'cote d ivoire' OR croatia OR cuba OR cyprus OR czechoslovakia OR 'czech republic' OR slovakia OR djibouti OR 'democratic republic of the congo' OR dominica OR 'dominican republic' OR 'east timor' OR ecuador OR egypt OR 'el salvador' OR eritrea OR estonia OR ethiopia OR fiji OR gabon OR

gambia OR georgia OR ghana OR greece OR grenada OR guatemala OR guinea OR 'guinea-bissau' OR guam OR guyana OR haiti OR honduras OR hungary OR india OR indonesia OR iran OR iraq OR jamaica OR jordan OR kazakhstan OR kenya OR korea OR kosovo OR kyrgyzstan OR laos OR latvia OR lebanon OR lesotho OR liberia OR libya OR lithuania OR macedonia OR madagascar OR malaysia OR malawi OR mali OR malta OR mauritania OR mauritius OR mexico OR micronesia OR 'middle east' OR moldova OR mongolia OR morocco OR mozambique OR myanmar OR namibia OR nepal OR 'netherlands antilles' OR 'new caledonia' OR nicaragua OR niger OR nigeria OR oman OR pakistan OR palau OR panama OR 'papua new guinea' OR paraguay OR peru OR philippines OR poland OR portugal OR 'puerto rico' OR romania OR russia OR russia OR russia OR 'saint lucia' OR 'saint vincent' OR grenadines OR samoa OR 'saudi arabia' OR senegal OR serbia OR montenegro OR seychelles OR 'sierra leone' OR slovenia OR 'sri lanka' OR somalia OR 'south africa' OR sudan OR suriname OR swaziland OR syria OR tajikistan OR tanzania OR thailand OR togo OR tonga OR trinidad OR tobago OR tunisia OR turkey OR turkmenistan OR uganda OR ukraine OR uruguay OR ussr OR uzbekistan OR vanuatu OR venezuela OR vietnam OR yemen OR yugoslavia OR zambia OR zimbabwe OR 'burkina faso' OR 'upper volta' OR burundi OR urundi OR cambodia OR 'khmer republic' OR kampuchea OR cameroon OR cameroons OR 'cameron or') AND camérons OR 'cape verde' OR 'central african republic')

Web of Science:

Date of Initial Search: Feb 6, 2020; Date of second search: Nov 30 2020

TS= 'Access' AND ('availability' OR 'availabl*' OR 'affordab*' OR 'cost' OR 'distance' OR 'spatial' OR 'barrier' OR 'barriers' OR 'quality') ANDAND
 (emergency responder" OR "emergency responders" OR "emergency doctor" OR "emergency doctors" OR "emergency clinician" OR "emergency clinicians" OR "emergency physician" OR "emergency physicians" OR "emergency personnel" OR "emergency medical personnel" OR "emergency service" OR "emergency services" OR "emergency medical service" OR "emergency medical services" OR "emergency medicine" OR "emergency health service" OR "emergency health services" OR "emergency care" OR "emergency healthcare" OR "emergency treatment" OR "emergency treatments" OR "emergency department" OR "emergency departments" OR "emergency room" OR "emergency rooms" OR "emergency ward" OR "emergency wards" OR "emergency unit" OR "emergency units" OR "emergency hospital" OR "emergency hospitals" OR "emergency clinic" OR "emergency clinics" OR "emergency setting" OR "emergency staff" OR "emergency response" OR "emergency medical technician" OR "emergency medical technicians" OR "paramedic" OR "paramedics" OR "ambulance" OR "ambulances" OR "ER" OR "first responder" OR "first responders" OR "rescue work" OR "rescue worker" OR "rescue workers" OR "relief work" OR "relief worker" OR "relief workers" OR "firefighter" OR "firefighters" OR "fire fighter" OR "fire fighters" OR "trauma center" OR "trauma centers" OR "trauma unit" OR "trauma units" OR "critical care" OR "critical illness" OR "critical illnesses" OR "resuscitation" OR "shock" OR "sepsis" OR "septicemia" OR "septicaemia" OR "acute care" OR "acute disease" OR "acute diseases" OR "prehospital" OR "pre hospital" OR "wound" OR "wounds" OR "triage" OR "pregnancy complication" OR "pregnancy complications" OR "obstetric complication" OR "obstetric complications" OR "obstetric emergency" OR "obstetric emergencies")
 AND

TS=("developing countr*" OR "developing nation*" OR "developing population*" OR "less developed countr*" OR "less developed nation*" OR "less developed population*" OR "lesser developed countr*" OR "lesser developed nation*" OR "lesser developed population*" OR "lesser developed world" OR "least developed countr*" OR "least developed nation*" OR "least developed population*" OR "least 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 "middle income countr*" OR "middle income nation*" OR "middle income population*" OR "low income countr*" OR "low income nation*" OR "low income population" 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 "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 Imic OR Imics OR "third world" OR "lami countr*" OR "transitional countr*" OR Africa OR Asia OR Caribbean OR West Indies OR South America OR Latin America OR Central America OR Afghanistan OR Albania OR Algeria OR Angola OR Antigua OR Barbuda OR Argentina OR Armenia OR Armenian OR Aruba OR Azerbaijan OR Bahrain OR Bangladesh OR Barbados OR

Benin OR Byelarus OR Byelorussian OR Belarus OR Belorussian OR Belorussia OR Belize OR Bhutan OR Bolivia OR Bosnia OR Herzegovina OR Hercegovina OR Botswana OR Brasil OR Brazil OR Bulgaria OR Burkina Faso OR Burkina Fasso OR Upper Volta OR Burundi OR Urundi OR Cambodia OR Khmer Republic OR Kampuchea OR Cameroon OR Cameroons OR Cameron OR Camerons OR Cape Verde OR Central African Republic OR Chad OR Chile OR China OR Colombia OR Comoros OR Comoro Islands OR Comores OR Mayotte OR Congo OR Zaire OR Costa Rica OR Cote d'Ivoire OR Ivory Coast OR Croatia OR Cuba OR Cyprus OR Czechoslovakia OR Czech Republic OR Slovakia OR Slovak Republic OR Djibouti OR French Somaliland OR Dominica OR Dominican Republic OR East Timor OR East Timur OR Timor Leste OR Ecuador OR Egypt OR United Arab Republic OR El Salvador OR Eritrea OR Estonia OR Ethiopia OR Fiji OR Gabon OR Gabonese Republic OR Gambia OR Gaza OR Georgia Republic OR Georgian Republic OR Ghana OR Gold Coast OR Greece OR Grenada OR Guatemala OR Guinea OR Guam OR Guiana OR Guyana OR Haiti OR Honduras OR Hungary OR India OR Maldives OR Indonesia OR Iran OR Iraq OR Isle of Man OR Jamaica OR Jordan OR Kazakhstan OR Kazakh OR Kenya OR Kiribati OR Korea OR Kosovo OR Kyrgyzstan OR Kirghizia OR Kyrgyz Republic OR Kirghiz OR Kirgizstan OR "Lao PDR" OR Laos OR Latvia OR Lebanon OR Lesotho OR Basutoland OR Liberia OR Libya OR Lithuania OR Macedonia OR Madagascar OR Malagasy Republic OR Malaysia OR Malaya OR Malay OR Sabah OR Sarawak OR Malawi OR Nyasaland OR Mali OR Malta OR Marshall Islands OR Mauritania OR Mauritius OR Agalega Islands OR Mexico OR Micronesia OR Middle East OR Moldova OR Moldovia OR Moldovian OR Mongolia OR Montenegro OR Morocco OR Ifni OR Mozambique OR Myanmar OR Myanma OR Burma OR Namibia OR Nepal OR Netherlands Antilles OR New Caledonia OR Nicaragua OR Niger OR Nigeria OR Northern Mariana Islands OR Oman OR Muscat OR Pakistan OR Palau OR Palestine OR Panama OR Paraguay OR Peru OR Philippines OR Philipines OR Phillipines OR Phillippines OR Poland OR Portugal OR Puerto Rico OR Rhodesia OR Romania OR Rumania OR Roumania OR Russia OR Russian OR Rwanda OR Ruanda OR Saint Kitts OR St Kitts OR Nevis OR Saint Lucia OR St Lucia OR Saint Vincent OR St Vincent OR Grenadines OR Samoa OR Samoan Islands OR Navigator Island OR Navigator Islands OR Sao Tome OR Saudi Arabia OR Senegal OR Serbia OR Montenegro OR Seychelles OR Sierra Leone OR Slovenia OR Sri Lanka OR Ceylon OR Solomon Islands OR Somalia OR Sudan OR Suriname OR Surinam OR Swaziland OR Syria OR Tajikistan OR Tadjikistan OR Tadjikistan OR Tadjhik OR Tanzania OR Thailand OR Togo OR Togolese Republic OR Tonga OR Trinidad OR Tobago OR Tunisia OR Turkey OR Turkmenistan OR Turkmen OR Uganda OR Ukraine OR Uruguay OR USSR OR Soviet Union OR Union of Soviet Socialist Republics OR Uzbekistan OR Uzbek OR Vanuatu OR New Hebrides OR Venezuela OR Vietnam OR Viet Nam OR West Bank OR Yemen OR Yugoslavia OR Zambia OR Zimbabwe)

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Global Index Medicus:

Initial Search Date: Feb 6, 2020

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