

Appendix 2: Search Strategy & Results

Academic Search Sources

<i>Source</i>	<i>Results</i>	<i>Detail</i>
1. Pubmed & Medline	166	From page 2
2. Isl web of science	357	From page 7
3. ERIC & Education Full-text	5	From page 16
4. CINAHL	27	From page 23
5. Cochrane	648	From page 28
6. Global Health database	89	From page 33
TOTAL	1,292	

Grey Literature Search Results

- From page 38

PubMed strategy: evidence map on CHWs, mobile technology, and training

Search Sources

Source

Pubmed (Medline)

Cochrane
CINAHL
Global Health' database
ERIC
Education Full-text
ISI web of science

Search 1 with EBSCO Host

CINAHL

Search 2 with EBSCO Host

ERIC

Education Full-text

Master Search String

Combination of concepts:

Community health care workers **AND** LMICs **AND** mobile technology **AND** training

- Pub Med

Searched on 13 April

Timeframe: 2000-2018

Search in Abstract and title

SEARCH RESULTS

Search History:

RESULTS: 166

Search (((((((("community health care worker"[Title/Abstract] OR CHW[Title/Abstract] OR CHWs[Title/Abstract]))) OR ("community health worker"[Title/Abstract] OR "community health volunteer"[Title/Abstract] OR "community health aide"[Title/Abstract] OR "community health practitioner"[Title/Abstract] OR "community health representative"[Title/Abstract] OR "community health advocate"[Title/Abstract] OR "community health promote"[Title/Abstract]))) OR (((community[Title/Abstract] AND "mental health"[Title/Abstract])) AND (worker[Title/Abstract] OR volunteer[Title/Abstract] OR aide[Title/Abstract])) OR (((village[Title/Abstract] AND health[Title/Abstract])) AND (worker[Title/Abstract] OR team[Title/Abstract] OR guide[Title/Abstract])) OR (("lady health worker"[Title/Abstract] OR "lady health visitor"[Title/Abstract] OR "front-line primary healthcare"[Title/Abstract] OR "front-line primary health care"[Title/Abstract] OR behvarz[Title/Abstract] OR brigadista[Title/Abstract] OR manzaneras[Title/Abstract] OR "rural health assistant"[Title/Abstract] OR gramsakhi[Title/Abstract] OR Doula[Title/Abstract] OR "lay health worker"[Title/Abstract] OR "trained birth assistant"[Title/Abstract] OR "accredited social health activist"[Title/Abstract] OR "adherence support worker"[Title/Abstract] OR "care facilitator"[Title/Abstract] OR "health extension worker"[Title/Abstract] OR "lay counsellor"[Title/Abstract] OR "peer counsellor"[Title/Abstract] OR "maternal health worker"[Title/Abstract] OR "shasthy* shebikas"[Title/Abstract] OR "shasthy* kormis"[Title/Abstract] OR "front line primary health* care worker"[Title/Abstract] OR "front line primary healthcare worker"[Title/Abstract] OR "health activist"[Title/Abstract] OR "home health aide"[Title/Abstract] OR "Nutrition worker"[Title/Abstract] OR "barefoot doctor"[Title/Abstract] OR "basic health worker"[Title/Abstract])) OR ((midwife[Title/Abstract] OR midwives[Title/Abstract] OR midwifery[Title/Abstract] OR "birth assistant"[Title/Abstract])) AND (((((((in-service[Title/Abstract] OR ongoing[Title/Abstract] OR update[Title/Abstract] OR recap[Title/Abstract])) OR (((refresher* train*[Title/Abstract] OR refresher* course*[Title/Abstract] OR "continuing medical education"[Title/Abstract] OR "continuing medical training"[Title/Abstract] OR "continuing nursing education"[Title/Abstract] OR "continuing nursing training"[Title/Abstract] OR "continuing education"[Title/Abstract])) OR (adequa*[Title/Abstract] AND train*[Title/Abstract])) OR ((Education*[Title/Abstract] OR learn*[Title/Abstract] OR train*[Title/Abstract] OR teach*[Title/Abstract] OR instruct*[Title/Abstract] OR coach*[Title/Abstract] OR guide*[Title/Abstract] OR tutor*[Title/Abstract] OR supervision[Title/Abstract] OR "decision-support"[Title/Abstract] OR "provider-provider communication"[Title/Abstract] OR "provider work planning"[Title/Abstract] OR "provider work scheduling"[Title/Abstract]))) AND (((Text message*[Title/Abstract] OR short messag*[Title/Abstract] OR SMS[Title/Abstract] OR "social media"[Title/Abstract] OR "mobile communication"[Title/Abstract])) OR ((("mobile technology"[Title/Abstract] OR "mobile technologies"[Title/Abstract] OR "mobile phone"[Title/Abstract] OR "mobile phones"[Title/Abstract] OR mobile telephone*[Title/Abstract] OR cell phone*[Title/Abstract] OR mobile device*[Title/Abstract] OR portable electronic device*[Title/Abstract] OR phone*[Title/Abstract] OR tablet*[Title/Abstract] OR PDA[Title/Abstract]

OR personal digital assistant*[Title/Abstract] OR handheld computer*[Title/Abstract] OR tablet computer*[Title/Abstract] OR computer tablet*[Title/Abstract] OR iPad[Title/Abstract] OR iPod[Title/Abstract] OR iPhone[Title/Abstract] OR smart phone*[Title/Abstract] OR smartphone*[Title/Abstract] OR feature phone*[Title/Abstract] OR basic phone*[Title/Abstract] OR “app”[Title/Abstract] OR mobile application*[Title/Abstract])))) OR ((mhealth[Title/Abstract] OR m-health[Title/Abstract] OR “mobile health”[Title/Abstract])))) AND (((((((Africa[Title/Abstract] OR Asia[Title/Abstract] OR Caribbean[Title/Abstract] OR “West Indies”[Title/Abstract] OR “South America”[Title/Abstract] OR “Latin America”[Title/Abstract] OR “Central America”[Title/Abstract] OR Afghanistan[Title/Abstract] OR Albania[Title/Abstract] OR Algeria[Title/Abstract] OR Angola[Title/Abstract] OR Antigua[Title/Abstract] OR Barbuda[Title/Abstract] OR Argentina[Title/Abstract] OR Armenia[Title/Abstract] OR Aruba[Title/Abstract] OR Azerbaijan[Title/Abstract] OR Bahrain[Title/Abstract] OR Bangladesh[Title/Abstract] OR Barbados[Title/Abstract] OR Benin[Title/Abstract] OR Belarus[Title/Abstract] OR Byelorussian[Title/Abstract] OR Belarus[Title/Abstract] OR Belorussian[Title/Abstract] OR Belize[Title/Abstract] OR Bhutan[Title/Abstract] OR Bolivia[Title/Abstract] OR Bosnia[Title/Abstract] OR Herzegovina[Title/Abstract] OR Hercegovina[Title/Abstract] OR Botswana[Title/Abstract] OR Brasil[Title/Abstract] OR Brazil[Title/Abstract] OR Bulgaria[Title/Abstract] OR “Burkina Faso”[Title/Abstract] OR “Burkina Fasso”[Title/Abstract] OR “Upper Volta”[Title/Abstract] OR Burundi[Title/Abstract] OR Urundi[Title/Abstract] OR Cambodia[Title/Abstract] OR “Khmer Republic”[Title/Abstract] OR Kampuchea[Title/Abstract] OR Cameroon[Title/Abstract] OR Cameroons[Title/Abstract] OR Cameroon[Title/Abstract] OR Camerons[Title/Abstract] OR “Cape Verde”[Title/Abstract] OR “Central African Republic”[Title/Abstract] OR CAR[Title/Abstract] OR Chad[Title/Abstract] OR Chile[Title/Abstract] OR China[Title/Abstract] OR Colombia[Title/Abstract] OR Comoros[Title/Abstract] OR “Comoro Islands”[Title/Abstract] OR Comores[Title/Abstract] OR Mayotte[Title/Abstract] OR Congo[Title/Abstract] OR Zaire[Title/Abstract] OR “Costa Rica”[Title/Abstract] OR “Cote d’Ivoire”[Title/Abstract] OR “Ivory Coast”[Title/Abstract] OR Croatia[Title/Abstract] OR Cuba[Title/Abstract] OR Cyprus[Title/Abstract] OR Czechoslovakia[Title/Abstract] OR “Czech Republic”[Title/Abstract] OR Slovakia[Title/Abstract] OR “Slovak Republic”[Title/Abstract] OR Djibouti[Title/Abstract] OR “French Somaliland”[Title/Abstract] OR Dominica[Title/Abstract] OR “Dominican Republic”[Title/Abstract] OR “East Timor”[Title/Abstract] OR “East Timur”[Title/Abstract] OR “Timor Leste”[Title/Abstract] OR Ecuador[Title/Abstract] OR Egypt[Title/Abstract] OR “United Arab Republic”[Title/Abstract] OR “El Salvador”[Title/Abstract] OR Eritrea[Title/Abstract] OR Estonia[Title/Abstract] OR Ethiopia[Title/Abstract] OR Fiji[Title/Abstract] OR Gabon[Title/Abstract] OR “Gabonese Republic”[Title/Abstract] OR Gambia[Title/Abstract] OR Gaza[Title/Abstract] OR Georgia[Title/Abstract] OR Ghana[Title/Abstract] OR “Gold Coast”[Title/Abstract] OR Greece[Title/Abstract] OR Grenada[Title/Abstract] OR Guatemala[Title/Abstract] OR Guinea[Title/Abstract] OR Guam[Title/Abstract] OR Guiana[Title/Abstract] OR Guyana[Title/Abstract] OR Haiti[Title/Abstract] OR Honduras[Title/Abstract] OR Hungary[Title/Abstract] OR India[Title/Abstract] OR Maldives[Title/Abstract] OR Indonesia[Title/Abstract] OR Iran[Title/Abstract] OR Iraq[Title/Abstract] OR Jamaica[Title/Abstract] OR Jordan[Title/Abstract] OR Kazakhstan[Title/Abstract] OR Kazakh[Title/Abstract] OR Kenya[Title/Abstract] OR Kiribati[Title/Abstract] OR Korea[Title/Abstract] OR Kosovo[Title/Abstract] OR Kyrgyzstan[Title/Abstract] OR Kirghizia[Title/Abstract] OR “Kyrgyz Republic”[Title/Abstract] OR Kirghiz[Title/Abstract] OR Kirgizstan[Title/Abstract] OR “Lao PDR”[Title/Abstract] OR Laos[Title/Abstract] OR Latvia[Title/Abstract] OR Lebanon[Title/Abstract] OR Lesotho[Title/Abstract] OR Basutoland[Title/Abstract] OR Liberia[Title/Abstract] OR Libya[Title/Abstract] OR Lithuania[Title/Abstract] OR Macedonia[Title/Abstract] OR Madagascar[Title/Abstract] OR “Malagasy Republic”[Title/Abstract] OR Malaysia[Title/Abstract] OR Malaya[Title/Abstract] OR Malay[Title/Abstract] OR Sabah[Title/Abstract] OR Sarawak[Title/Abstract] OR Malawi[Title/Abstract] OR Nyasaland[Title/Abstract] OR Mali[Title/Abstract] OR Malta[Title/Abstract] OR “Marshall Islands”[Title/Abstract] OR Mauritania[Title/Abstract] OR Mauritius[Title/Abstract] OR “Agalega Islands”[Title/Abstract] OR Mexico[Title/Abstract] OR Micronesia[Title/Abstract] OR “Middle East”[Title/Abstract] OR Moldova[Title/Abstract] OR

Moldovia[Title/Abstract] OR Mongolia[Title/Abstract] OR Montenegro[Title/Abstract] OR Morocco [Title/Abstract] OR Mozambique[Title/Abstract] OR Mocambique[Title/Abstract] OR Myanmar[Title/Abstract] OR Myanma[Title/Abstract] OR Burma[Title/Abstract] OR Namibia[Title/Abstract] OR Nepal[Title/Abstract] OR “Netherlands Antilles”[Title/Abstract] OR “New Caledonia”[Title/Abstract] OR Nicaragua[Title/Abstract] OR Niger[Title/Abstract] OR Nigeria[Title/Abstract] OR “Northern Mariana Islands”[Title/Abstract] OR Oman[Title/Abstract] OR Muscat[Title/Abstract] OR Pakistan[Title/Abstract] OR Palau[Title/Abstract] OR Palestine[Title/Abstract] OR Panama[Title/Abstract] OR Paraguay[Title/Abstract] OR Peru[Title/Abstract] OR Philippines[Title/Abstract] OR Philipines[Title/Abstract] OR Phillipines[Title/Abstract] OR Phillippines[Title/Abstract] OR Poland[Title/Abstract] OR Portugal[Title/Abstract] OR “Puerto Rico”[Title/Abstract] OR Romania[Title/Abstract] OR Rumania[Title/Abstract] OR Roumania[Title/Abstract] OR Russia[Title/Abstract] OR Russian[Title/Abstract] OR Rwanda[Title/Abstract] OR Ruanda[Title/Abstract] OR “Saint Kitts”[Title/Abstract] OR “St Kitts”[Title/Abstract] OR Nevis[Title/Abstract] OR “Saint Lucia”[Title/Abstract] OR “St Lucia”[Title/Abstract] OR “Saint Vincent”[Title/Abstract] OR “St Vincent”[Title/Abstract] OR Grenadines[Title/Abstract] OR Samoa[Title/Abstract] OR “Samoan Islands”[Title/Abstract] OR “Navigator Island”[Title/Abstract] OR “Navigator Islands”[Title/Abstract] OR “Sao Tome”[Title/Abstract] OR “Saudi Arabia”[Title/Abstract] OR Senegal[Title/Abstract] OR Serbia[Title/Abstract] OR Montenegro[Title/Abstract] OR Seychelles[Title/Abstract] OR “Sierra Leone”[Title/Abstract] OR Slovenia[Title/Abstract] OR “Sri Lanka”[Title/Abstract] OR Ceylon[Title/Abstract] OR “Solomon Islands”[Title/Abstract] OR Somalia[Title/Abstract] OR Sudan[Title/Abstract] OR Suriname[Title/Abstract] OR Surinam[Title/Abstract] OR Swaziland[Title/Abstract] OR Syria[Title/Abstract] OR Tajikistan[Title/Abstract] OR Tadjikistan[Title/Abstract] OR Tadjikistan[Title/Abstract] OR Tadjhik[Title/Abstract] OR Tanzania[Title/Abstract] OR Thailand[Title/Abstract] OR Togo[Title/Abstract] OR “Togolese Republic”[Title/Abstract] OR Tonga[Title/Abstract] OR Trinidad[Title/Abstract] OR Tobago[Title/Abstract] OR Tunisia[Title/Abstract] OR Turkey[Title/Abstract] OR Turkmenistan[Title/Abstract] OR Turkmen[Title/Abstract] OR Uganda[Title/Abstract] OR Ukraine[Title/Abstract] OR Uruguay[Title/Abstract] OR “USSR”[Title/Abstract] OR “Soviet Union”[Title/Abstract] OR “Union of Soviet Socialist Republics”[Title/Abstract] OR Uzbekistan[Title/Abstract] OR Uzbek[Title/Abstract] OR Vanuatu[Title/Abstract] OR “New Hebrides”[Title/Abstract] OR Venezuela[Title/Abstract] OR Vietnam[Title/Abstract] OR “Viet Nam”[Title/Abstract] OR “West Bank”[Title/Abstract] OR Yemen[Title/Abstract] OR Yugoslavia[Title/Abstract] OR Zambia[Title/Abstract] OR Zimbabwe[Title/Abstract] OR (“developing countr*”[Title/Abstract] OR “developing countries”[Title/Abstract] OR “developing nation*”[Title/Abstract] OR “developing world”[Title/Abstract] OR “less-developed countr*”[Title/Abstract] OR “less developed countr*”[Title/Abstract] OR “less-developed world”[Title/Abstract] OR “lesser developed world”[Title/Abstract] OR “lesser-developed countr*”[Title/Abstract] OR “lesser developed nation*”[Title/Abstract] OR “lesser developed world”[Title/Abstract] OR “under-developed countr*”[Title/Abstract] OR “under developed nation*”[Title/Abstract] OR “under-developed world”[Title/Abstract] OR “under developed nation*” [Title/Abstract] OR “under-developed world”[Title/Abstract] OR “underdeveloped countr*”[Title/Abstract] OR “under-developed countr*”[Title/Abstract] OR “Under developed countr*”[Title/Abstract] OR “under developed nation*”[Title/Abstract] OR “under-developed nation*”[Title/Abstract] OR “underdeveloped nation*”[Title/Abstract] OR (“lower middle income country” [Title/Abstract] OR “lower middle-income country” [Title/Abstract] OR “lower middle income nation”[Title/Abstract] OR “lower middle-income nation” [Title/Abstract] OR “upper middle-income country”[Title/Abstract] OR “upper middle income country”[Title/Abstract] OR “upper middle-income nation” [Title/Abstract] OR “upper middle income nation”[Title/Abstract] OR “low-income country”[Title/Abstract] OR “low income country” [Title/Abstract] OR “low-income nation”[Title/Abstract] OR “low income nation” [Title/Abstract] OR “lower income country” [Title/Abstract] OR “lower-income country”[Title/Abstract] OR “lower income nation” [Title/Abstract] OR “lower-income nation” [Title/Abstract] OR “Low-[Title/Abstract] AND Middle- Income country”[Title/Abstract] OR “Low[Title/Abstract] AND Middle Income Country”[Title/Abstract] OR

((“lower middle income countries”[Title/Abstract] OR “lower middle-income countries” [Title/Abstract] OR “lower middle income nation”[Title/Abstract] OR “lower middle-income nation” [Title/Abstract] OR “upper middle-income countries”[Title/Abstract] OR “upper middle income countries”[Title/Abstract] OR “upper middle-income nation” [Title/Abstract] OR “upper middle income nation”[Title/Abstract] OR “low-income countries”[Title/Abstract] OR “low income countries” [Title/Abstract] OR “low-income nation”[Title/Abstract] OR “low income nation” [Title/Abstract] OR “lower income countries” [Title/Abstract] OR “lower-income countries”[Title/Abstract] OR “lower income nation” [Title/Abstract] OR “lower-income nation” [Title/Abstract] OR “Low-[Title/Abstract] AND Middle- Income countries”[Title/Abstract] OR “Low[Title/Abstract] AND Middle Income Countries”[Title/Abstract])) OR ((Imic[Title/Abstract] OR Imics [Title/Abstract] OR “third world”[Title/Abstract] OR “lami countr*”[Title/Abstract] OR “transitional countr*”[Title/Abstract] OR “majority world”[Title/Abstract] OR “Global South”[Title/Abstract] OR LMIC[Title/Abstract] OR LMICs[Title/Abstract] OR LIC[Title/Abstract] OR LICs[Title/Abstract] OR LMICs[Title/Abstract] OR LMIC[Title/Abstract] OR UMICs[Title/Abstract] OR UMIC”[Title/Abstract])))) Filters: Publication date from 2000/01/01 to 2019/12/31

Web of Science strategy: evidence map on CHWs, mobile technology, and training

Search Sources

Source

Pubmed
Medline
Cochrane
CINAHL
Global Health' database
ERIC
Education Full-text
ISI web of science

Master Search String

Combination of concepts:

Community health care workers **AND** LMICs **AND** mobile technology **AND** training

Web of Science Catalogue:

Web of Science Core Collection: Citation Indexes

- Science Citation Index Expanded (SCI-EXPANDED) --1981-present
- Social Sciences Citation Index (SSCI) --1981-present
- Arts & Humanities Citation Index (A&HCI) --1981-2016
- Emerging Sources Citation Index (ESCI) --2015-present

Timeframe: 2000-2018

Search in TS: Topic

SEARCH RESULTS

Search History:

Search History						
Set	Results	Save History / Create Alert	Open Saved History	Edit Sets	Combine Sets AND OR Combine	Delete Sets Select All Delete
# 27	357	#26 AND #22 AND #16 AND #8		Edit		
		<i>Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018</i>				
# 26	2,104,101	#25 OR #24 OR #23		Edit		
		<i>Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018</i>				
# 25	15,270	TS=(((in-service OR ongoing OR update OR recap*) AND train*))		Edit		
		<i>Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018</i>				

24 [44,507](#) TS=(refresher* train* OR refresher* course* OR (adequa* AND train*) OR (continuing medical education) OR (continuing medical training) OR (continuing nursing education) OR (continuing nursing training) OR (continuing education)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

23 [2,104,009](#) TS=(Education* OR learn* OR train* OR teach* OR instruct* OR coach* OR guide* OR tutor* OR supervision OR (decision-support) OR (provider-provider communication) OR (provider work planning) OR (provider work scheduling)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

22 [249,975](#) #21 OR #20 OR #19 OR #18 OR #17 [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

21 [82,844](#) TS=((Text messag*) OR (short messag*) OR (SMS) OR (social media) OR (mobile communication)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

20 [73,016](#) TS=((iPAD) OR (iPOD) OR (iPhone) OR (smart phone*) OR (smartphone*) OR (feature phone*) OR (basic phone*) OR (app) OR (mobile application*)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

19 [102,297](#) TS=(phone* OR tablet* OR PDA OR (personal digital assistant*) OR (handheld computer*) OR (tablet computer*) OR (computer tablet*)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

18 [56,652](#) TS=((mobile technolog*) OR (mobile phone*) OR (mobile telephone*) OR (cell* phone*) OR (mobile device*) OR (portable electronic device*)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

17 [12,987](#) TS=(mhealth OR m-health OR (mobile health)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

16 [2,538,459](#) #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

15 [3,743](#) TS=(LMIC OR LMICs OR LIC OR LICs OR LMICs OR LMIC OR UMICs OR UMIC) [Edit](#)
Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

14 [63,343](#) TS=((third world) OR (lami countr*) OR (transitional countr*) OR (majority world) OR (Global South)) [Edit](#)
Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

13 [143,455](#) TS=((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*)) [Edit](#)
Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

12 [49,429](#) TS=((underserved country) OR (underserved countries) OR (underserved nation) OR (underserved nations) OR (underserved world) OR (under served country) OR (under served countries) OR (under served nation) OR (under served nations) OR (under served world) OR (deprived country) OR (deprived countries) OR (deprived nation) OR (deprived nations) OR (deprived world) OR (poor countr*) OR (poor nation) OR (poor nations) OR (poor world) OR (poorer country) OR (poorer countries) OR (poorer nation) OR (poorer nations) OR (poorer world)) [Edit](#)
Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

11 [36,217](#) TS=((lower middle income countr*) OR (lower middle-income countr*) OR (lower middle income nation*) OR (lower middle-income nation*) OR (upper middle-income countr*) OR (upper middle income countr*) OR (upper middle-income nation*) OR (upper middle income nation*) OR (low-income countr*) OR (low income countr*) OR (low-income nation*) OR (low income nation*) OR (lower income countr*) OR (lower-income countr*) OR (lower income nation*) OR (lower-income nation*) OR (Low- and Middle- Income countr*) OR (Low and Middle Income Countr*) OR (underserved country)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

10 [309,170](#) TS=((developing countr*) OR (developing countries) OR (developing nation*) OR (developing world) OR (less-developed countr*) OR (less developed countr*) OR (less-developed world) OR (lesser developed world) OR (lesser-developed countr*) OR (lesser developed countr*) OR (lesser-developed nation*) OR (lesser developed nation*) OR (lesser-developed world) OR (under-developed countr*) OR (under developed countr*) OR (under-developed nation*) OR (under developed nation*) OR (under-developed world) OR (underdeveloped world) OR (under developed world) OR (underdeveloped countr*) OR (under-developed countr*) OR (Under developed countr*) OR (under developed nation*) OR (under-developed nation*) OR (underdeveloped nation*)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

9 [2,219,398](#) TS=(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 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 [Edit](#)

Kampuchea OR Cameroon OR Cameroons OR Cameron OR Camerons OR (Cape Verde) OR (Central African Republic) OR CAR 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 Timor) 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 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 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 Mongolia OR Montenegro OR Morocco OR Mozambique OR Mocambique 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 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)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

8 [31,602](#) #7 OR #6 OR #5 OR #4 OR #3 OR #2 OR #1 [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

7 [11,161](#) TS=(midwife OR midwives OR midwifery OR (birth assistant*)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

6 [14,847](#) TS=(lady health worker*) OR TS=(lady health visitor*) OR TS=(front-line primary healthcare) OR TS=(front-line primary health care) OR TS=behvarz OR TS=brigadista OR TS=manzaneras OR TS=(rural health assistant*) OR TS=gramsakhi OR TS=Doula OR TS=(lay health worker*) OR TS=(trained birth assistant*) OR TS=(accredited social health activist*) OR TS=(adherence support worker*) OR TS=(care facilitator*) OR TS=(health extension worker*) OR TS=(lay counsellor*) OR TS=(peer counsellor*) OR TS=(maternal health worker*) OR TS=(shashthy* shebikas) OR TS=(shashthy* kormis) OR TS=(front line primary health* care worker*) OR TS=(front line primary healthcare worker*) OR TS=(health activist*) OR TS=(home health aide*) OR TS=(Nutrition worker*) OR TS=(barefoot doctor*) OR TS=(basic health worker*) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

5 [209](#) TS=(community NEAR (mental health*) NEAR/3 (worker* or volunteer* or aide*)) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

4 [358](#) TS=(community health* NEAR/3 aide*) OR TS=(community health* NEAR/3 practitioner*) OR TS=(community health* NEAR/3 representative*) OR TS=(community health* NEAR/3 advocate*) OR TS=(community health* NEAR/3 promote*) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

3 [240](#) TS=(community health* NEAR/3 volunteer*) OR TS=(community health* NEAR/3 volunteer) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

2 [3,061](#) TS=(community health* NEAR/3 worker*) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

1 [6,911](#) TS=((community health care worker*) OR CHW OR CHWs) [Edit](#)

Indexes=SCI-EXPANDED, SSCI, A&HCI, ESCI Timespan=2000-2018

ERIC & Edu FT strategy: evidence map on CHWs, mobile technology, and training

Search Sources

Source

Pubmed (Medline)

Cochrane

CINAHL

Global Health' database

ERIC

Education Full-text

ISI web of science

Search 1 with EBSCO Host

CINAHL

Search 2 with EBSCO Host

ERIC

Master Search String

Combination of concepts:

Community health care workers **AND** LMICs **AND** mobile technology **AND** training

- ERIC and Education Full-text (via Ebsco Host)

Searched on 19 April

Timeframe: 2000-2019

Search in Abstract and title

SEARCH RESULTS

Search History:

RESULTS: 5

Search ID#	Search Terms	Search Options	Actions
<input type="checkbox"/> S25	S7 AND S16 AND S20 AND S24	Search modes - Boolean/Phrase	View Results (5) View Details Edit
<input type="checkbox"/> S24	S21 OR S22 OR S23	Search modes - Boolean/Phrase	View Results (827,009) View Details Edit
<input type="checkbox"/> S23	AB ((in-service OR ongoing OR update OR recap*) AND train*)	Limiters - Published Date: 20000101-20191231 Search modes - Boolean/Phrase	View Results (12,675) View Details Edit
<input type="checkbox"/> S22	AB (refresher* train* OR refresher* course* OR (adequa* AND train*) OR "continuing medical education" OR "continuing medical training" OR "continuing nursing education" OR "continuing nursing training" OR "continuing education")	Limiters - Published Date: 20000101-20191231 Search modes - Boolean/Phrase	View Results (5,525) View Details Edit

- | | | | |
|--------------------------|---|---|--|
| <input type="checkbox"/> | S21 AB Education* OR learn* OR train* OR teach* OR instruct* OR coach* OR guide* OR tutor* OR supervision OR “decision-support” OR “provider-provider communication” OR “provider work planning” OR “provider work scheduling” | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (826,991)
View Details
Edit |
| <input type="checkbox"/> | S20 S17 OR S18 OR S19 | Search modes - Boolean/Phrase | View Results (24,762)
View Details
Edit |
| <input type="checkbox"/> | S19 AB (“Text messag*” OR “short messag*” OR SMS OR “social media” OR “mobile communication”) | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (7,089)
View Details
Edit |
| <input type="checkbox"/> | S18 AB (“mobile technolog*” OR “mobile phone*” OR “mobile telephone*” OR “cell* phone*” OR “mobile device*” OR “portable electronic device*” OR phone* OR tablet* OR PDA OR “personal digital assistant*” OR “handheld computer*” OR “tablet computer*” OR “computer tablet*” OR iPad OR iPod OR iPhone OR “smart phone*” OR “smartphone*” OR “feature phone*” OR “basic phone*” OR “app” OR “mobile application*”) | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (18,564)
View Details
Edit |
| <input type="checkbox"/> | S17 AB (mhealth OR m-health OR “mobile health”) | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (74)
View Details
Edit |
| <input type="checkbox"/> | S16 S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 | Search modes - Boolean/Phrase | View Results (116,865)
View Details
Edit |

- | | | | | |
|--------------------------|-----|---|---|--|
| <input type="checkbox"/> | S15 | AB ““khmer” AND “republic”” OR ““cape” AND “verde”” OR ““central” AND “african” AND “republic”” | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (56)
View Details
Edit |
| <input type="checkbox"/> | S14 | AB lmic OR lmic OR “third world” OR “lami countr*” OR “transitional countr*” OR “majority world” OR “Global South” OR LMIC OR LMICs OR LIC OR LICs OR LMICs OR LMIC OR UMICs OR UMIC | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (642)
View Details
Edit |
| <input type="checkbox"/> | S13 | AB “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*” | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (183)
View Details
Edit |
| <input type="checkbox"/> | S12 | AB “underserved country” OR “underserved countries” OR “underserved nation” OR “underserved nations” OR “underserved world” OR “under served country” OR “under served countries” OR “under served nation” OR “under served nations” OR “under served world” OR “deprived country” OR “deprived countries” OR “deprived nation” OR “deprived nations” OR “deprived world” OR “poor countr*” OR “poor nation” OR “poor nations” OR “poor world” OR “poorer country” OR “poorer countries” OR “poorer n ... | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (506)
View Details
Edit |
| <input type="checkbox"/> | S11 | AB “lower middle income countr*” OR “lower middle-income countr*” OR “lower middle income nation*” OR “lower middle-income nation*” OR “upper middle-income countr*” OR “upper middle income countr*” OR “upper middle-income nation*” OR “upper middle income nation*” OR “low-income countr*” OR “low income countr*” OR “low-income nation*” OR “low income nation*” OR “lower income countr*” OR “lower-income countr*” OR “lower income nation*” OR “lower-income nation*” OR “Low- and Middle- Inco ... | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (480)
View Details
Edit |

- | | | | | |
|--------------------------|-----|--|---|---|
| <input type="checkbox"/> | S10 | AB “developing countr*” OR “developing countries” OR “developing nation*” OR “developing world” OR “less-developed countr*” OR “less developed countr*” OR “less-developed world” OR “lesser developed world” OR “lesser-developed countr*” OR “lesser developed countr*” OR “lesser-developed nation*” OR “lesser developed nation*” OR “lesser-developed world” OR “under-developed countr*” OR “under developed countr*” OR “under-developed nation*” OR “under developed nation*” OR “under-developed ... | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (7,331)
View Details
Edit |
| <input type="checkbox"/> | S9 | AB Haiti OR Honduras OR Hungary OR India OR Maldives OR Indonesia OR Iran OR Iraq 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 Island ... | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (65,318)
View Details
Edit |
| <input type="checkbox"/> | S8 | AB 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 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 V ... | Limiters - Published Date: 20000101-20191231

Search modes - Boolean/Phrase | View Results (58,101)
View Details
Edit |
| <input type="checkbox"/> | S7 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 | Search modes - Boolean/Phrase | View Results (989)
View Details
Edit |

- | | | | |
|--------------------------|---|---|--|
| <input type="checkbox"/> | S6 AB midwife OR midwives OR midwifery OR “birth assistant*” | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (487)
View Details
Edit |
| <input type="checkbox"/> | S5 AB “lady health worker*” OR “lady health visitor*” OR “front-line primary healthcare” OR “front-line primary health care” OR behvarz OR brigadista OR manzaneras OR “rural health assistant*” OR gramsakhi OR Doula OR “lay health worker*” OR “trained birth assistant*” OR “accredited social health activist*” OR “adherence support worker*” OR “care facilitator*” OR “health extension worker*” OR “lay counsellor*” OR “peer counsellor*” OR “maternal health worker*” OR “shasthy* shebikas” OR “shasthy* ko ... | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (94)
View Details
Edit |
| <input type="checkbox"/> | S4 AB (village AND health* AND (worker* OR team* OR guide*)) | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (41)
View Details
Edit |
| <input type="checkbox"/> | S3 AB (community AND “mental health*” AND (worker* OR volunteer* OR aide*)) | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (175)
View Details
Edit |
| <input type="checkbox"/> | S2 AB “community health worker*” OR “community health volunteer*” OR “community health aide*” OR “community health practition*” OR “community health representative*” OR “community health advocate*” OR “community health promote*” | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (208)
View Details
Edit |
| <input type="checkbox"/> | S1 AB “community health care worker*” OR CHW OR CHWs | Limiters - Published Date: 20000101-20191231
Search modes - Boolean/Phrase | View Results (102)
View Details |

[Edit](#)

CINAHL strategy: evidence map on CHWs, mobile technology, and training

Search Sources

Source

Pubmed (Medline)

Cochrane

CINAHL

Global Health' database

ERIC

Education Full-text

ISI web of science

Master Search String

Combination of concepts:

Community health care workers **AND** LMICs **AND** mobile technology **AND** training

- CINAHL (via Ebsco Host)

Searched on 18 April

Timeframe: 2000-2018

Search in Abstract and title

SEARCH RESULTS

Search History:

RESULTS: 27

Search (((((((("community health care worker"[Title/Abstract] OR CHW[Title/Abstract] OR CHWs[Title/Abstract]))) OR ("community health worker"[Title/Abstract] OR "community health volunteer"[Title/Abstract] OR "community health aide"[Title/Abstract] OR "community health practition"[Title/Abstract] OR "community health representative"[Title/Abstract] OR "community health advocate"[Title/Abstract] OR "community health promote"[Title/Abstract]))) OR (((community[Title/Abstract] AND "mental health"[Title/Abstract])) AND (worker*[Title/Abstract] OR volunteer*[Title/Abstract] OR aide*[Title/Abstract]))) OR (((village[Title/Abstract] AND health*[Title/Abstract])) AND (worker*[Title/Abstract] OR team*[Title/Abstract] OR guide*[Title/Abstract]))) OR (("lady health worker"[Title/Abstract] OR "lady health visitor"[Title/Abstract] OR "front-line primary healthcare"[Title/Abstract] OR "front-line primary health care"[Title/Abstract] OR behvarz[Title/Abstract] OR brigadista[Title/Abstract] OR manzaneras[Title/Abstract] OR "rural health assistant"[Title/Abstract] OR gramsakhi[Title/Abstract] OR Doula[Title/Abstract] OR "lay health worker"[Title/Abstract] OR "trained birth assistant"[Title/Abstract] OR "accredited social health activist"[Title/Abstract] OR "adherence support worker"[Title/Abstract] OR "care facilitator"[Title/Abstract] OR "health extension worker"[Title/Abstract] OR "lay counsellor"[Title/Abstract] OR "peer counsellor"[Title/Abstract] OR "maternal health worker"[Title/Abstract] OR "shasthy* shebikas"[Title/Abstract] OR "shasthy* kormis"[Title/Abstract] OR "front line primary health* care worker"[Title/Abstract] OR "front line primary healthcare worker"[Title/Abstract] OR "health activist"[Title/Abstract] OR "home health aide"[Title/Abstract] OR "Nutrition worker"[Title/Abstract] OR "barefoot doctor"[Title/Abstract] OR "basic health worker"[Title/Abstract]))) OR ((midwife[Title/Abstract] OR midwives[Title/Abstract] OR midwifery[Title/Abstract] OR "birth assistant"[Title/Abstract]))) AND (((((((in-service[Title/Abstract] OR ongoing[Title/Abstract] OR update[Title/Abstract] OR recap[Title/Abstract]))) OR (((refresher* train*[Title/Abstract] OR refresher* course*[Title/Abstract] OR "continuing medical education"[Title/Abstract] OR "continuing medical training"[Title/Abstract] OR "continuing nursing education"[Title/Abstract] OR "continuing nursing training"[Title/Abstract] OR "continuing education"[Title/Abstract])) OR (adequa*[Title/Abstract] AND train*[Title/Abstract]))) OR ((Education*[Title/Abstract] OR learn*[Title/Abstract] OR train*[Title/Abstract] OR teach*[Title/Abstract] OR instruct*[Title/Abstract] OR coach*[Title/Abstract] OR guide*[Title/Abstract] OR tutor*[Title/Abstract] OR supervision[Title/Abstract] OR "decision-support"[Title/Abstract] OR "provider-provider communication"[Title/Abstract] OR "provider work planning"[Title/Abstract] OR "provider work scheduling"[Title/Abstract]))) AND (((Text message*[Title/Abstract] OR short messag*[Title/Abstract] OR SMS[Title/Abstract] OR "social media"[Title/Abstract] OR "mobile communication"[Title/Abstract]))) OR (((("mobile technology"[Title/Abstract] OR "mobile technologies"[Title/Abstract] OR "mobile phone"[Title/Abstract] OR "mobile phones"[Title/Abstract] OR mobile telephone*[Title/Abstract] OR cell phone*[Title/Abstract] OR mobile device*[Title/Abstract] OR portable electronic device*[Title/Abstract] OR phone*[Title/Abstract] OR tablet*[Title/Abstract] OR PDA[Title/Abstract]

OR personal digital assistant*[Title/Abstract] OR handheld computer*[Title/Abstract] OR tablet computer*[Title/Abstract] OR computer tablet*[Title/Abstract] OR iPad[Title/Abstract] OR iPod[Title/Abstract] OR iPhone[Title/Abstract] OR smart phone*[Title/Abstract] OR smartphone*[Title/Abstract] OR feature phone*[Title/Abstract] OR basic phone*[Title/Abstract] OR “app”[Title/Abstract] OR mobile application*[Title/Abstract])))) OR ((mhealth[Title/Abstract] OR m-health[Title/Abstract] OR “mobile health”[Title/Abstract])))) AND (((((((Africa[Title/Abstract] OR Asia[Title/Abstract] OR Caribbean[Title/Abstract] OR “West Indies”[Title/Abstract] OR “South America”[Title/Abstract] OR “Latin America”[Title/Abstract] OR “Central America”[Title/Abstract] OR Afghanistan[Title/Abstract] OR Albania[Title/Abstract] OR Algeria[Title/Abstract] OR Angola[Title/Abstract] OR Antigua[Title/Abstract] OR Barbuda[Title/Abstract] OR Argentina[Title/Abstract] OR Armenia[Title/Abstract] OR Aruba[Title/Abstract] OR Azerbaijan[Title/Abstract] OR Bahrain[Title/Abstract] OR Bangladesh[Title/Abstract] OR Barbados[Title/Abstract] OR Benin[Title/Abstract] OR Belarus[Title/Abstract] OR Byelorussian[Title/Abstract] OR Belarus[Title/Abstract] OR Belorussian[Title/Abstract] OR Belize[Title/Abstract] OR Bhutan[Title/Abstract] OR Bolivia[Title/Abstract] OR Bosnia[Title/Abstract] OR Herzegovina[Title/Abstract] OR Hercegovina[Title/Abstract] OR Botswana[Title/Abstract] OR Brasil[Title/Abstract] OR Brazil[Title/Abstract] OR Bulgaria[Title/Abstract] OR “Burkina Faso”[Title/Abstract] OR “Burkina Fasso”[Title/Abstract] OR “Upper Volta”[Title/Abstract] OR Burundi[Title/Abstract] OR Urundi[Title/Abstract] OR Cambodia[Title/Abstract] OR “Khmer Republic”[Title/Abstract] OR Kampuchea[Title/Abstract] OR Cameroon[Title/Abstract] OR Cameroons[Title/Abstract] OR Cameroon[Title/Abstract] OR Camerons[Title/Abstract] OR “Cape Verde”[Title/Abstract] OR “Central African Republic”[Title/Abstract] OR CAR[Title/Abstract] OR Chad[Title/Abstract] OR Chile[Title/Abstract] OR China[Title/Abstract] OR Colombia[Title/Abstract] OR Comoros[Title/Abstract] OR “Comoro Islands”[Title/Abstract] OR Comores[Title/Abstract] OR Mayotte[Title/Abstract] OR Congo[Title/Abstract] OR Zaire[Title/Abstract] OR “Costa Rica”[Title/Abstract] OR “Cote d’Ivoire”[Title/Abstract] OR “Ivory Coast”[Title/Abstract] OR Croatia[Title/Abstract] OR Cuba[Title/Abstract] OR Cyprus[Title/Abstract] OR Czechoslovakia[Title/Abstract] OR “Czech Republic”[Title/Abstract] OR Slovakia[Title/Abstract] OR “Slovak Republic”[Title/Abstract] OR Djibouti[Title/Abstract] OR “French Somaliland”[Title/Abstract] OR Dominica[Title/Abstract] OR “Dominican Republic”[Title/Abstract] OR “East Timor”[Title/Abstract] OR “East Timur”[Title/Abstract] OR “Timor Leste”[Title/Abstract] OR Ecuador[Title/Abstract] OR Egypt[Title/Abstract] OR “United Arab Republic”[Title/Abstract] OR “El Salvador”[Title/Abstract] OR Eritrea[Title/Abstract] OR Estonia[Title/Abstract] OR Ethiopia[Title/Abstract] OR Fiji[Title/Abstract] OR Gabon[Title/Abstract] OR “Gabonese Republic”[Title/Abstract] OR Gambia[Title/Abstract] OR Gaza[Title/Abstract] OR Georgia[Title/Abstract] OR Ghana[Title/Abstract] OR “Gold Coast”[Title/Abstract] OR Greece[Title/Abstract] OR Grenada[Title/Abstract] OR Guatemala[Title/Abstract] OR Guinea[Title/Abstract] OR Guam[Title/Abstract] OR Guiana[Title/Abstract] OR Guyana[Title/Abstract] OR Haiti[Title/Abstract] OR Honduras[Title/Abstract] OR Hungary[Title/Abstract] OR India[Title/Abstract] OR Maldives[Title/Abstract] OR Indonesia[Title/Abstract] OR Iran[Title/Abstract] OR Iraq[Title/Abstract] OR Jamaica[Title/Abstract] OR Jordan[Title/Abstract] OR Kazakhstan[Title/Abstract] OR Kazakh[Title/Abstract] OR Kenya[Title/Abstract] OR Kiribati[Title/Abstract] OR Korea[Title/Abstract] OR Kosovo[Title/Abstract] OR Kyrgyzstan[Title/Abstract] OR Kirghizia[Title/Abstract] OR “Kyrgyz Republic”[Title/Abstract] OR Kirghiz[Title/Abstract] OR Kirghizstan[Title/Abstract] OR “Lao PDR”[Title/Abstract] OR Laos[Title/Abstract] OR Latvia[Title/Abstract] OR Lebanon[Title/Abstract] OR Lesotho[Title/Abstract] OR Basutoland[Title/Abstract] OR Liberia[Title/Abstract] OR Libya[Title/Abstract] OR Lithuania[Title/Abstract] OR Macedonia[Title/Abstract] OR Madagascar[Title/Abstract] OR “Malagasy Republic”[Title/Abstract] OR Malaysia[Title/Abstract] OR Malaya[Title/Abstract] OR Malay[Title/Abstract] OR Sabah[Title/Abstract] OR Sarawak[Title/Abstract] OR Malawi[Title/Abstract] OR Nyasaland[Title/Abstract] OR Mali[Title/Abstract] OR Malta[Title/Abstract] OR “Marshall Islands”[Title/Abstract] OR Mauritania[Title/Abstract] OR Mauritius[Title/Abstract] OR “Agalega Islands”[Title/Abstract] OR Mexico[Title/Abstract] OR Micronesia[Title/Abstract] OR “Middle East”[Title/Abstract] OR Moldova[Title/Abstract] OR

Moldova[Title/Abstract] OR Mongolia[Title/Abstract] OR Montenegro[Title/Abstract] OR Morocco [Title/Abstract] OR Mozambique[Title/Abstract] OR Mocambique[Title/Abstract] OR Myanmar[Title/Abstract] OR Myanma[Title/Abstract] OR Burma[Title/Abstract] OR Namibia[Title/Abstract] OR Nepal[Title/Abstract] OR “Netherlands Antilles”[Title/Abstract] OR “New Caledonia”[Title/Abstract] OR Nicaragua[Title/Abstract] OR Niger[Title/Abstract] OR Nigeria[Title/Abstract] OR “Northern Mariana Islands”[Title/Abstract] OR Oman[Title/Abstract] OR Muscat[Title/Abstract] OR Pakistan[Title/Abstract] OR Palau[Title/Abstract] OR Palestine[Title/Abstract] OR Panama[Title/Abstract] OR Paraguay[Title/Abstract] OR Peru[Title/Abstract] OR Philippines[Title/Abstract] OR Philipines[Title/Abstract] OR Phillipines[Title/Abstract] OR Phillippines[Title/Abstract] OR Poland[Title/Abstract] OR Portugal[Title/Abstract] OR “Puerto Rico”[Title/Abstract] OR Romania[Title/Abstract] OR Rumania[Title/Abstract] OR Roumania[Title/Abstract] OR Russia[Title/Abstract] OR Russian[Title/Abstract] OR Rwanda[Title/Abstract] OR Ruanda[Title/Abstract] OR “Saint Kitts”[Title/Abstract] OR “St Kitts”[Title/Abstract] OR Nevis[Title/Abstract] OR “Saint Lucia”[Title/Abstract] OR “St Lucia”[Title/Abstract] OR “Saint Vincent”[Title/Abstract] OR “St Vincent”[Title/Abstract] OR Grenadines[Title/Abstract] OR Samoa[Title/Abstract] OR “Samoan Islands”[Title/Abstract] OR “Navigator Island”[Title/Abstract] OR “Navigator Islands”[Title/Abstract] OR “Sao Tome”[Title/Abstract] OR “Saudi Arabia”[Title/Abstract] OR Senegal[Title/Abstract] OR Serbia[Title/Abstract] OR Montenegro[Title/Abstract] OR Seychelles[Title/Abstract] OR “Sierra Leone”[Title/Abstract] OR Slovenia[Title/Abstract] OR “Sri Lanka”[Title/Abstract] OR Ceylon[Title/Abstract] OR “Solomon Islands”[Title/Abstract] OR Somalia[Title/Abstract] OR Sudan[Title/Abstract] OR Suriname[Title/Abstract] OR Surinam[Title/Abstract] OR Swaziland[Title/Abstract] OR Syria[Title/Abstract] OR Tajikistan[Title/Abstract] OR Tadhikistan[Title/Abstract] OR Tadjikistan[Title/Abstract] OR Tadhik[Title/Abstract] OR Tanzania[Title/Abstract] OR Thailand[Title/Abstract] OR Togo[Title/Abstract] OR “Togolese Republic”[Title/Abstract] OR Tonga[Title/Abstract] OR Trinidad[Title/Abstract] OR Tobago[Title/Abstract] OR Tunisia[Title/Abstract] OR Turkey[Title/Abstract] OR Turkmenistan[Title/Abstract] OR Turkmen[Title/Abstract] OR Uganda[Title/Abstract] OR Ukraine[Title/Abstract] OR Uruguay[Title/Abstract] OR “USSR”[Title/Abstract] OR “Soviet Union”[Title/Abstract] OR “Union of Soviet Socialist Republics”[Title/Abstract] OR Uzbekistan[Title/Abstract] OR Uzbek[Title/Abstract] OR Vanuatu[Title/Abstract] OR “New Hebrides”[Title/Abstract] OR Venezuela[Title/Abstract] OR Vietnam[Title/Abstract] OR “Viet Nam”[Title/Abstract] OR “West Bank”[Title/Abstract] OR Yemen[Title/Abstract] OR Yugoslavia[Title/Abstract] OR Zambia[Title/Abstract] OR Zimbabwe[Title/Abstract] OR (“developing countr*”[Title/Abstract] OR “developing countries”[Title/Abstract] OR “developing nation*”[Title/Abstract] OR “developing world”[Title/Abstract] OR “less-developed countr*”[Title/Abstract] OR “less developed countr*”[Title/Abstract] OR “less-developed world”[Title/Abstract] OR “lesser developed world”[Title/Abstract] OR “lesser-developed countr*”[Title/Abstract] OR “lesser developed nation*”[Title/Abstract] OR “lesser developed world”[Title/Abstract] OR “under-developed countr*”[Title/Abstract] OR “under developed countr*”[Title/Abstract] OR “under-developed nation*”[Title/Abstract] OR “under developed nation*” [Title/Abstract] OR “under-developed world”[Title/Abstract] OR “underdeveloped world” [Title/Abstract] OR “under developed world”[Title/Abstract] OR “underdeveloped countr*”[Title/Abstract] OR “under-developed countr*”[Title/Abstract] OR “Under developed countr*”[Title/Abstract] OR “under developed nation*”[Title/Abstract] OR “under-developed nation*”[Title/Abstract] OR “underdeveloped nation*”[Title/Abstract] OR (“lower middle income country”[Title/Abstract] OR “lower middle-income country” [Title/Abstract] OR “lower middle income nation”[Title/Abstract] OR “lower middle-income nation” [Title/Abstract] OR “upper middle-income country”[Title/Abstract] OR “upper middle income country”[Title/Abstract] OR “upper middle-income nation” [Title/Abstract] OR “upper middle income nation”[Title/Abstract] OR “low-income country”[Title/Abstract] OR “low income country” [Title/Abstract] OR “low-income nation”[Title/Abstract] OR “low income nation” [Title/Abstract] OR “lower income country” [Title/Abstract] OR “lower-income country”[Title/Abstract] OR “lower income nation” [Title/Abstract] OR “lower-income nation” [Title/Abstract] OR “Low-[Title/Abstract] AND Middle- Income country”[Title/Abstract] OR “Low[Title/Abstract] AND Middle Income Country”[Title/Abstract] OR

((“lower middle income countries”[Title/Abstract] OR “lower middle-income countries” [Title/Abstract] OR “lower middle income nation”[Title/Abstract] OR “lower middle-income nation” [Title/Abstract] OR “upper middle-income countries”[Title/Abstract] OR “upper middle income countries”[Title/Abstract] OR “upper middle-income nation” [Title/Abstract] OR “upper middle income nation”[Title/Abstract] OR “low-income countries”[Title/Abstract] OR “low income countries” [Title/Abstract] OR “low-income nation”[Title/Abstract] OR “low income nation” [Title/Abstract] OR “lower income countries” [Title/Abstract] OR “lower-income countries”[Title/Abstract] OR “lower income nation” [Title/Abstract] OR “lower-income nation” [Title/Abstract] OR “Low-[Title/Abstract] AND Middle- Income countries”[Title/Abstract] OR “Low[Title/Abstract] AND Middle Income Countries”[Title/Abstract])) OR ((Imic[Title/Abstract] OR Imics [Title/Abstract] OR “third world”[Title/Abstract] OR “lami countr*”[Title/Abstract] OR “transitional countr*”[Title/Abstract] OR “majority world”[Title/Abstract] OR “Global South”[Title/Abstract] OR LMIC[Title/Abstract] OR LMICs[Title/Abstract] OR LIC[Title/Abstract] OR LICs[Title/Abstract] OR LMICs[Title/Abstract] OR LMIC[Title/Abstract] OR UMICs[Title/Abstract] OR UMIC”[Title/Abstract])))) Filters: Publication date from 2000/01/01 to 2019/12/31

Cochrane: evidence map on CHWs, mobile technology, and training

Search Sources

Source

Pubmed (Medline)

Cochrane

CINAHL

Global Health' database

ERIC

Education Full-text

ISI web of science

Master Search String

Combination of concepts:

Community health care workers **AND** LMICs **AND** mobile technology **AND** training

Searched on 19 April

Timeframe: 2000-2019

Search in Abstract and title

SEARCH RESULTS

Search History:

RESULTS: 648

Search Name:

Date Run: 19/04/18 14:16:09.927

Description:

ID	Search	Hits
#1	"community health care worker*" or CHW or CHWs Publication Year from 2000 to 2018	413
#2	"community health worker*" or "community health volunteer*" or "community health aide*" or "community health practition*" or "community health representative*" or "community health advocate*" or "community health promote*" Publication Year from 2000 to 2018	906
#3	(community and "mental health*" and (worker* or volunteer* or aide*)) Publication Year from 2000 to 2018	853
#4	(village and health* and (worker* or team* or guide*)) Publication Year from 2000 to 2018	340
#5	"lady health worker*" or "lady health visitor*" or "front-line primary healthcare" or "front-line primary health care" or behvarz or brigadista or manzaneras or "rural health assistant*" or gramsakhi or Doula or "lay health worker*" or "trained birth assistant*" or "accredited social health activist*" or "adherence support worker*" or "care facilitator*" or "health extension worker*" or "lay counsellor*" or "peer counsellor*" or "maternal health worker*" or "shasthy* shebikas" or "shasthy* kormis" or "front line primary health* care worker*" or "front line primary healthcare worker*" or "health activist*" or "home health aide*" or "Nutrition worker*" or "barefoot doctor*" or "basic health worker*" Publication Year from 2000 to 2018	368
#6	midwife or midwives or midwifery or "birth assistant*" Publication Year from 2000 to 2018	2724

#7 {or #1-#6} Publication Year from 2000 to 2018 4766

#8 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 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 Camerouns or Cameron or Camerons or "Cape Verde" or "Central African Republic" or CAR 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 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 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 Mongolia or Montenegro or Morocco or Mozambique or Mocambique 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 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 Tadjhikistan 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 Publication Year from 2000 to 2018 168859

#9 "developing countr*" or "developing countries" or "developing nation*" or "developing world" or "less-developed countr*" or "less developed countr*" or "less-developed world" or "lesser developed world" or "lesser-developed countr*" or "lesser developed countr*" or "lesser-developed nation*" or "lesser developed nation*" or "lesser-developed world" or "under-developed countr*" or "under developed countr*" or "under-developed nation*" or "under developed nation*" or "under-developed world" or "underdeveloped world" or "under developed world" or "underdeveloped countr*" or "under-developed countr*" or "Under developed countr*" or "under developed nation*" or "under-developed nation*" or "underdeveloped nation*" Publication Year from 2000 to 2018 4040

- #10 "lower middle income countr*" or "lower middle-income countr*" or "lower middle income nation*" or "lower middle-income nation*" or "upper middle-income countr*" or "upper middle income countr*" or "upper middle-income nation*" or "upper middle income nation*" or "low-income countr*" or "low income countr*" or "low-income nation*" or "low income nation*" or "lower income countr*" or "lower-income countr*" or "lower income nation*" or "lower-income nation*" or "Low- and Middle- Income countr*" or "Low and Middle Income Countr*" Publication Year from 2000 to 2018 1880
- #11 "underserved country" or "underserved countries" or "underserved nation" or "underserved nations" or "underserved world" or "under served country" or "under served countries" or "under served nation" or "under served nations" or "under served world" or "deprived country" or "deprived countries" or "deprived nation" or "deprived nations" or "deprived world" or "poor countr*" or "poor nation" or "poor nations" or "poor world" or "poorer country" or "poorer countries" or "poorer nation" or "poorer nations" or "poorer world" Publication Year from 2000 to 2018 166
- #12 "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*" Publication Year from 2000 to 2018 45
- #13 lmic or lmic* or "third world" or "lami countr*" or "transitional countr*" or "majority world" or "Global South" or LMIC or LMICs or LIC or LICs or LMICs or LMIC or UMICs or UMIC Publication Year from 2000 to 2018 452
- #14 "khmer" and "republic" or "cape" and "verde" or "central" and "african" and "republic" Publication Year from 2000 to 2018 347
- #15 {or #8-#14} Publication Year from 2000 to 2018 169960
- #16 (mhealth or m-health or "mobile health") Publication Year from 2000 to 2018 675
- #17 ("mobile technolog*" or "mobile phone*" or "mobile telephone*" or "cell* phone*" or "mobile device*" or "portable electronic device*" or phone* or tablet* or PDA or "personal digital assistant*" or "handheld computer*" or "tablet computer*" or "computer tablet*" or iPad or iPod or iPhone or "smart phone*" or "smartphone*" or "feature phone*" or "basic phone*" or "app" or "mobile application*") Publication Year from 2000 to 2018 21986
- #18 ("Text messag*" or "short messag*" or SMS or "social media" or "mobile communication") Publication Year from 2000 to 2018 2524
- #19 {or #16-#18} Publication Year from 2000 to 2018 23656
- #20 Education* or learn* or train* or teach* or instruct* or coach* or guide* or tutor* or supervision or "decision-support" or "provider-provider communication" or "provider work planning" or "provider work scheduling" Publication Year from 2000 to 2018 152151
- #21 ((in-service or ongoing or update or recap*) and train*) Publication Year from 2000 to 2018 4343

- #22 (refresher* train* or refresher* course* or (adequa* and train*)) or "continuing medical education" or "continuing medical training" or "continuing nursing education" or "continuing nursing training" or "continuing education" Publication Year from 2000 to 2018 5489
- #23 {or #20-#22} Publication Year from 2000 to 2018 152154
- #24 {and #7, #15, #19, #23} Publication Year from 2000 to 2018 648

Global Health: evidence map on CHWs, mobile technology, and training

Search Sources

Source

Pubmed (Medline)

Cochrane

CINAHL

Global Health' database

ERIC

Education Full-text

ISI web of science

Master Search String

Combination of concepts:

Community health care workers **AND** LMICs **AND** mobile technology **AND** training

- Global Health database

Searched on 13 April

Timeframe: 2000-2018

Search in Abstract and title

SEARCH RESULTS

Search History:

RESULTS: 89

Search (((((((community health care worker*[Title/Abstract] OR CHW[Title/Abstract] OR CHWs[Title/Abstract]))) OR ((community health worker*[Title/Abstract] OR community health volunteer*[Title/Abstract] OR community health aide*[Title/Abstract] OR community health practitioner*[Title/Abstract] OR community health representative*[Title/Abstract] OR community health advocate*[Title/Abstract] OR community health promote*[Title/Abstract]))) OR (((community[Title/Abstract] AND mental health*[Title/Abstract])) AND (worker*[Title/Abstract] OR volunteer*[Title/Abstract] OR aide*[Title/Abstract]))) OR (((village[Title/Abstract] AND health*[Title/Abstract])) AND (worker*[Title/Abstract] OR team*[Title/Abstract] OR guide*[Title/Abstract]))) OR ((lady health worker*[Title/Abstract] OR lady health visitor*[Title/Abstract] OR front-line primary healthcare[Title/Abstract] OR front-line primary health care[Title/Abstract] OR behvarz[Title/Abstract] OR brigadista[Title/Abstract] OR manzaneras[Title/Abstract] OR rural health assistant*[Title/Abstract] OR gramsakhi[Title/Abstract] OR Doula[Title/Abstract] OR lay health worker*[Title/Abstract] OR trained birth assistant*[Title/Abstract] OR accredited social health activist*[Title/Abstract] OR adherence support worker*[Title/Abstract] OR care facilitator*[Title/Abstract] OR health extension worker*[Title/Abstract] OR lay counsellor*[Title/Abstract] OR peer counsellor*[Title/Abstract] OR maternal health worker*[Title/Abstract] OR shashy* shebikas[Title/Abstract] OR shashy* kormis[Title/Abstract] OR front line primary health* care worker*[Title/Abstract] OR front line primary healthcare worker*[Title/Abstract] OR health activist*[Title/Abstract] OR home health aide*[Title/Abstract] OR Nutrition worker*[Title/Abstract] OR barefoot doctor*[Title/Abstract] OR basic health worker*[Title/Abstract]))) OR ((midwife[Title/Abstract] OR midwives[Title/Abstract] OR midwifery[Title/Abstract] OR birth assistant*[Title/Abstract]))) AND (((((((in-service[Title/Abstract] OR ongoing[Title/Abstract] OR update[Title/Abstract] OR recap*[Title/Abstract]))) OR (((refresher* train*[Title/Abstract] OR refresher* course*[Title/Abstract] OR continuing medical education[Title/Abstract] OR continuing medical training[Title/Abstract] OR continuing nursing education[Title/Abstract] OR continuing nursing training[Title/Abstract] OR continuing education[Title/Abstract])) OR (adequa*[Title/Abstract] AND train*[Title/Abstract]))) OR ((Education*[Title/Abstract] OR learn*[Title/Abstract] OR train*[Title/Abstract] OR teach*[Title/Abstract] OR instruct*[Title/Abstract] OR coach*[Title/Abstract] OR guide*[Title/Abstract] OR tutor*[Title/Abstract] OR supervision[Title/Abstract] OR decision-support[Title/Abstract] OR provider-provider communication[Title/Abstract] OR provider work planning[Title/Abstract] OR provider work scheduling[Title/Abstract]))) AND (((((Text message*[Title/Abstract] OR short messag*[Title/Abstract] OR SMS[Title/Abstract] OR social media[Title/Abstract] OR mobile communication[Title/Abstract]))) OR (((mobile technology[Title/Abstract] OR mobile technologies[Title/Abstract] OR mobile phone[Title/Abstract] OR mobile phones[Title/Abstract] OR mobile telephone*[Title/Abstract] OR cell phone*[Title/Abstract] OR mobile device*[Title/Abstract] OR portable electronic device*[Title/Abstract] OR phone*[Title/Abstract] OR tablet*[Title/Abstract] OR PDA[Title/Abstract] OR personal digital assistant*[Title/Abstract] OR handheld computer*[Title/Abstract] OR tablet

computer*[Title/Abstract] OR computer tablet*[Title/Abstract] OR iPad[Title/Abstract] OR iPod[Title/Abstract] OR iPhone[Title/Abstract] OR smart phone*[Title/Abstract] OR smartphone*[Title/Abstract] OR feature phone*[Title/Abstract] OR basic phone*[Title/Abstract] OR app[Title/Abstract] OR mobile application*[Title/Abstract])))) OR ((mhealth[Title/Abstract] OR m-health[Title/Abstract] OR mobile health[Title/Abstract])))) AND (((((((Africa[Title/Abstract] OR Asia[Title/Abstract] OR Caribbean[Title/Abstract] OR West Indies[Title/Abstract] OR South America[Title/Abstract] OR Latin America[Title/Abstract] OR Central America[Title/Abstract] OR Afghanistan[Title/Abstract] OR Albania[Title/Abstract] OR Algeria[Title/Abstract] OR Angola[Title/Abstract] OR Antigua[Title/Abstract] OR Barbuda[Title/Abstract] OR Argentina[Title/Abstract] OR Armenia[Title/Abstract] OR Aruba[Title/Abstract] OR Azerbaijan[Title/Abstract] OR Bahrain[Title/Abstract] OR Bangladesh[Title/Abstract] OR Barbados[Title/Abstract] OR Benin[Title/Abstract] OR Byelarus[Title/Abstract] OR Byelorussian[Title/Abstract] OR Belarus[Title/Abstract] OR Belorussian[Title/Abstract] OR Belorussia[Title/Abstract] OR Belize[Title/Abstract] OR Bhutan[Title/Abstract] OR Bolivia[Title/Abstract] OR Bosnia[Title/Abstract] OR Herzegovina[Title/Abstract] OR Hercegovina[Title/Abstract] OR Botswana[Title/Abstract] OR Brasil[Title/Abstract] OR Brazil[Title/Abstract] OR Bulgaria[Title/Abstract] OR Burkina Faso[Title/Abstract] OR Burkina Fasso[Title/Abstract] OR Upper Volta[Title/Abstract] OR Burundi[Title/Abstract] OR Urundi[Title/Abstract] OR Cambodia[Title/Abstract] OR Khmer Republic[Title/Abstract] OR Kampuchea[Title/Abstract] OR Cameroon[Title/Abstract] OR Cameroons[Title/Abstract] OR Cameron[Title/Abstract] OR Camerons[Title/Abstract] OR Cape Verde[Title/Abstract] OR Central African Republic[Title/Abstract] OR CAR[Title/Abstract] OR Chad[Title/Abstract] OR Chile[Title/Abstract] OR China[Title/Abstract] OR Colombia[Title/Abstract] OR Comoros[Title/Abstract] OR Comoro Islands[Title/Abstract] OR Comores[Title/Abstract] OR Mayotte[Title/Abstract] OR Congo[Title/Abstract] OR Zaire[Title/Abstract] OR Costa Rica[Title/Abstract] OR Cote d'Ivoire[Title/Abstract] OR Ivory Coast[Title/Abstract] OR Croatia[Title/Abstract] OR Cuba[Title/Abstract] OR Cyprus[Title/Abstract] OR Czechoslovakia[Title/Abstract] OR Czech Republic[Title/Abstract] OR Slovakia[Title/Abstract] OR Slovak Republic[Title/Abstract] OR Djibouti[Title/Abstract] OR French Somaliland[Title/Abstract] OR Dominica[Title/Abstract] OR Dominican Republic[Title/Abstract] OR East Timor[Title/Abstract] OR East Timur[Title/Abstract] OR Timor Leste[Title/Abstract] OR Ecuador[Title/Abstract] OR Egypt[Title/Abstract] OR United Arab Republic[Title/Abstract] OR El Salvador[Title/Abstract] OR Eritrea[Title/Abstract] OR Estonia[Title/Abstract] OR Ethiopia[Title/Abstract] OR Fiji[Title/Abstract] OR Gabon[Title/Abstract] OR Gabonese Republic[Title/Abstract] OR Gambia[Title/Abstract] OR Gaza[Title/Abstract] OR Georgia[Title/Abstract] OR Ghana[Title/Abstract] OR Gold Coast[Title/Abstract] OR Greece[Title/Abstract] OR Grenada[Title/Abstract] OR Guatemala[Title/Abstract] OR Guinea[Title/Abstract] OR Guam[Title/Abstract] OR Guiana[Title/Abstract] OR Guyana[Title/Abstract] OR Haiti[Title/Abstract] OR Honduras[Title/Abstract] OR Hungary[Title/Abstract] OR India[Title/Abstract] OR Maldives[Title/Abstract] OR Indonesia[Title/Abstract] OR Iran[Title/Abstract] OR Iraq[Title/Abstract] OR Jamaica[Title/Abstract] OR Jordan[Title/Abstract] OR Kazakhstan[Title/Abstract] OR Kazakh[Title/Abstract] OR Kenya[Title/Abstract] OR Kiribati[Title/Abstract] OR Korea[Title/Abstract] OR Kosovo[Title/Abstract] OR Kyrgyzstan[Title/Abstract] OR Kirghizia[Title/Abstract] OR Kyrgyz Republic[Title/Abstract] OR Kirghiz[Title/Abstract] OR Kirgizstan[Title/Abstract] OR Lao PDR[Title/Abstract] OR Laos[Title/Abstract] OR Latvia[Title/Abstract] OR Lebanon[Title/Abstract] OR Lesotho[Title/Abstract] OR Basutoland[Title/Abstract] OR Liberia[Title/Abstract] OR Libya[Title/Abstract] OR Lithuania[Title/Abstract] OR Macedonia[Title/Abstract] OR Madagascar[Title/Abstract] OR Malagasy Republic[Title/Abstract] OR Malaysia[Title/Abstract] OR Malaya[Title/Abstract] OR Malay[Title/Abstract] OR Sabah[Title/Abstract] OR Sarawak[Title/Abstract] OR Malawi[Title/Abstract] OR Nyasaland[Title/Abstract] OR Mali[Title/Abstract] OR Malta[Title/Abstract] OR Marshall Islands[Title/Abstract] OR Mauritania[Title/Abstract] OR Mauritius[Title/Abstract] OR Agalega Islands[Title/Abstract] OR Mexico[Title/Abstract] OR Micronesia[Title/Abstract] OR Middle East[Title/Abstract] OR Moldova[Title/Abstract] OR Moldovia[Title/Abstract] OR Mongolia[Title/Abstract] OR Montenegro[Title/Abstract] OR Morocco [Title/Abstract] OR Mozambique[Title/Abstract] OR Mocambique[Title/Abstract] OR Myanmar[Title/Abstract] OR Myanma[Title/Abstract] OR Burma[Title/Abstract] OR Namibia[Title/Abstract] OR

Nepal[Title/Abstract] OR Netherlands Antilles[Title/Abstract] OR New Caledonia[Title/Abstract] OR Nicaragua[Title/Abstract] OR Niger[Title/Abstract] OR Nigeria[Title/Abstract] OR Northern Mariana Islands[Title/Abstract] OR Oman[Title/Abstract] OR Muscat[Title/Abstract] OR Pakistan[Title/Abstract] OR Palau[Title/Abstract] OR Palestine[Title/Abstract] OR Panama[Title/Abstract] OR Paraguay[Title/Abstract] OR Peru[Title/Abstract] OR Philippines[Title/Abstract] OR Philipines[Title/Abstract] OR Phillipines[Title/Abstract] OR Phillippines[Title/Abstract] OR Poland[Title/Abstract] OR Portugal[Title/Abstract] OR Puerto Rico[Title/Abstract] OR Romania[Title/Abstract] OR Rumania[Title/Abstract] OR Roumania[Title/Abstract] OR Russia[Title/Abstract] OR Russian[Title/Abstract] OR Rwanda[Title/Abstract] OR Ruanda[Title/Abstract] OR Saint Kitts[Title/Abstract] OR St Kitts[Title/Abstract] OR Nevis[Title/Abstract] OR Saint Lucia[Title/Abstract] OR St Lucia[Title/Abstract] OR Saint Vincent[Title/Abstract] OR St Vincent[Title/Abstract] OR Grenadines[Title/Abstract] OR Samoa[Title/Abstract] OR Samoan Islands[Title/Abstract] OR Navigator Island[Title/Abstract] OR Navigator Islands[Title/Abstract] OR Sao Tome[Title/Abstract] OR Saudi Arabia[Title/Abstract] OR Senegal[Title/Abstract] OR Serbia[Title/Abstract] OR Montenegro[Title/Abstract] OR Seychelles[Title/Abstract] OR Sierra Leone[Title/Abstract] OR Slovenia[Title/Abstract] OR Sri Lanka[Title/Abstract] OR Ceylon[Title/Abstract] OR Solomon Islands[Title/Abstract] OR Somalia[Title/Abstract] OR Sudan[Title/Abstract] OR Suriname[Title/Abstract] OR Surinam[Title/Abstract] OR Swaziland[Title/Abstract] OR Syria[Title/Abstract] OR Tajikistan[Title/Abstract] OR Tadjhikistan[Title/Abstract] OR Tadjikistan[Title/Abstract] OR Tadjhik[Title/Abstract] OR Tanzania[Title/Abstract] OR Thailand[Title/Abstract] OR Togo[Title/Abstract] OR Togolese Republic[Title/Abstract] OR Tonga[Title/Abstract] OR Trinidad[Title/Abstract] OR Tobago[Title/Abstract] OR Tunisia[Title/Abstract] OR Turkey[Title/Abstract] OR Turkmenistan[Title/Abstract] OR Turkmen[Title/Abstract] OR Uganda[Title/Abstract] OR Ukraine[Title/Abstract] OR Uruguay[Title/Abstract] OR USSR[Title/Abstract] OR Soviet Union[Title/Abstract] OR Union of Soviet Socialist Republics[Title/Abstract] OR Uzbekistan[Title/Abstract] OR Uzbek[Title/Abstract] OR Vanuatu[Title/Abstract] OR New Hebrides[Title/Abstract] OR Venezuela[Title/Abstract] OR Vietnam[Title/Abstract] OR Viet Nam[Title/Abstract] OR West Bank[Title/Abstract] OR Yemen[Title/Abstract] OR Yugoslavia[Title/Abstract] OR Zambia[Title/Abstract] OR Zimbabwe[Title/Abstract])) OR ((developing countr*[Title/Abstract] OR developing countries[Title/Abstract] OR developing nation*[Title/Abstract] OR developing world[Title/Abstract] OR less-developed countr*[Title/Abstract] OR less developed countr*[Title/Abstract] OR less-developed world[Title/Abstract] OR lesser developed world[Title/Abstract] OR lesser-developed countr*[Title/Abstract] OR lesser developed countr*[Title/Abstract] OR lesser-developed nation*[Title/Abstract] OR lesser developed nation*[Title/Abstract] OR lesser-developed world[Title/Abstract] OR under-developed countr*[Title/Abstract] OR under developed countr*[Title/Abstract] OR under-developed nation*[Title/Abstract] OR under developed nation*[Title/Abstract] OR under-developed world[Title/Abstract] OR underdeveloped world [Title/Abstract] OR under developed world[Title/Abstract] OR underdeveloped countr*[Title/Abstract] OR under-developed countr*[Title/Abstract] OR Under developed countr*[Title/Abstract] OR under developed nation*[Title/Abstract] OR under-developed nation*[Title/Abstract] OR underdeveloped nation*[Title/Abstract])))) OR ((lower middle income country[Title/Abstract] OR lower middle-income country [Title/Abstract] OR lower middle income nation[Title/Abstract] OR lower middle-income nation [Title/Abstract] OR upper middle-income country[Title/Abstract] OR upper middle income country[Title/Abstract] OR upper middle-income nation [Title/Abstract] OR upper middle income nation[Title/Abstract] OR low-income country[Title/Abstract] OR low income country [Title/Abstract] OR lower-income country[Title/Abstract] OR lower income nation [Title/Abstract] OR lower-income nation [Title/Abstract] OR Low-[Title/Abstract] AND Middle- Income country[Title/Abstract] OR Low[Title/Abstract] AND Middle Income Country[Title/Abstract])))) OR ((lower middle income countries[Title/Abstract] OR lower middle-income countries [Title/Abstract] OR lower middle income nation[Title/Abstract] OR lower middle-income nation [Title/Abstract] OR upper middle-income countries[Title/Abstract] OR upper middle income countries[Title/Abstract] OR upper middle-income nation [Title/Abstract] OR upper middle income nation[Title/Abstract] OR low-income countries[Title/Abstract] OR low income

countries [Title/Abstract] OR low-income nation[Title/Abstract] OR low income nation [Title/Abstract] OR lower income countries [Title/Abstract] OR lower-income countries[Title/Abstract] OR lower income nation [Title/Abstract] OR lower-income nation [Title/Abstract] OR Low-[Title/Abstract] AND Middle- Income countries[Title/Abstract] OR Low[Title/Abstract] AND Middle Income Countries[Title/Abstract])) OR ((Imic[Title/Abstract] OR Imics [Title/Abstract] OR third world[Title/Abstract] OR lami countr*[Title/Abstract] OR transitional countr*[Title/Abstract] OR majority world[Title/Abstract] OR Global South[Title/Abstract] OR LMIC[Title/Abstract] OR LMICs[Title/Abstract] OR LIC[Title/Abstract] OR LICs[Title/Abstract] OR LMICs[Title/Abstract] OR LMIC[Title/Abstract] OR UMICs[Title/Abstract] OR UMIC[Title/Abstract])))) Filters: Publication date from 2000/01/01 to 2019/12/31

Overview of Grey literature search

Type	Sources	Results
Repositories	• Google	200
	• Google Scholar	300
	• Mobile Active [http://www.mobileactive.org]	0
	• KIT Information Portal	35
	• WHO publication database	14
	• Knowledge for Health	217
	• mHealth in Low-Resource Settings [http://www.mhealthinfo.org].	0
	• K4Health (mHealth Evidence Knowledge 4 Health Database)	10
	• Centre for Disease Control	30
Organisational websites	• Aga Khan Health Service, Tanzania	5
	• AMREF Health Africa,	5
	• The BRAC MNCH (Maternal, Neonatal and Child Health) programme	0
	• Cell Life Project	0
	• Concern Worldwide	0
	• D-Tree International	0
	• The Innovation Working Group,	0
	• Family Health International (FHI)	2
	• Grameen Foundation	1
	• GSMA for Mobile Development	59
	• International Institute for Communication and Development (IICD)	5
	• Johns Hopkins (JHPIEGO)	2
	• Royal Tropical Institute (KIT)	35
	• Mobile Alliance for Maternal Action (MAMA)	12
	• Medic Mobile	56
	• mHealth Alliance	0
	• Mothers2Mothers	0
	• NEEDS	0
	• Pathfinder	0
	• PLAN International	0
	• Pharmaccess International,	62
	• Red Cross	0
	• USAID	1
• DFID	30	
• UNICEF	86	
• UNESCO	2	

• UNDP	44
• Philani	0
• Foundation for Innovative New Diagnostics	0
• Women Deliver	0
• World Bank	21
• Simavi	0
• Wired Mothers	1
• Village Reach	12
• EngenderHealth	2
• Click Diagnostics	0
• Afya Research Africa	0
• INTRAHEALTH	35
• African Women Foundation	0
• Last Mile Health	0
• Muso	0
• Omni Med	0
• Strong Minds Uganda	0
• mhinnovation.net	0
• dimagi.com	3
TOTAL	1,287