

ONLINE SUPPLEMENT

Household air pollution interventions to improve health in Low and Middle Income Countries.

An Official American Thoracic Society Research Statement

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§The views expressed here are those of the authors and do not reflect official statements of the National Institutes of Health or other parts of the U.S. Government.

Appendix E1

Supplemental Table E1, Full Search Strategy for MEDLINE Searched on 3/17/22

#1	(household\$ or indoor\$ or home\$).ti,ab,kw.
#2	(solar OR clean* OR renewable OR liquid propane gas OR LPG OR ethanol OR chimney\$ OR natural gas OR biomass OR biofuel\$).ti,ab,kw OR exp Natural Gas/ OR exp Biomass/ OR exp Solar Energy/ OR Renewable Energy/ OR exp Biofuels/ OR exp Geothermal Energy/ OR Ethanol/
#3	(improv* OR better OR clean*).ti,ab,kw adj3 (stove\$ OR cookstove\$).ti,ab,kw
#4	2 OR 3
#5	(petroleum or pollut* OR particulate matter OR carbon monoxide OR smoke OR soot OR kerosene OR firewood OR fire\$ OR woodfire\$ OR woodstove\$ OR coal OR solid fuel\$).ti,ab,kw. OR Air Pollutants/ OR Particulate Matter/ OR exp Carbon Monoxide/ OR exp Coal Ash/ OR exp Smoke/ OR exp Petroleum/ OR Fires/ OR Wood/ OR Air Pollution/
#6	exp Air Pollution, Indoor/
#7	1 and 5
#8	6 or 7
#9	(afghanistan OR albania OR algeria OR american samoa OR angola OR "antigua and barbuda" OR antigua OR barbuda OR argentina OR armenia OR armenian OR aruba OR azerbaijan OR bahrain OR bangladesh OR barbados OR republic of belarus OR belarus OR byelarus OR belorussia OR byelorussian OR belize OR british honduras OR benin OR dahomey OR bhutan OR bolivia OR "bosnia and herzegovina" OR bosnia OR herzegovina OR botswana OR bechuanaland OR brazil OR brasil OR bulgaria OR burkina faso OR burkina fasso OR upper volta OR burundi OR urundi OR cabo verde OR cape verde OR cambodia OR kampuchea OR khmer republic OR cameroon OR cameron OR cameroun OR central african republic OR ubangi shari OR chad OR chile OR china OR colombia OR comoros OR comoro islands OR iles comores OR mayotte OR democratic republic of the congo OR democratic republic congo OR congo OR zaire OR costa rica OR "cote d'ivoire" OR "cote d'ivoire" OR cote divoire OR cote d ivoire OR ivory coast OR croatia OR cuba OR cyprus OR czech republic OR czechoslovakia OR djibouti OR french somaliland OR dominica OR dominican republic OR ecuador OR egypt OR united arab republic OR el salvador OR equatorial guinea OR spanish guinea OR eritrea OR estonia OR eswatini OR swaziland OR ethiopia OR fiji OR gabon OR gabonese republic OR gambia OR "georgia (republic)" OR georgian OR ghana OR gold coast OR gibraltar OR greece OR grenada OR guam OR guatemala OR guinea OR guinea bissau OR guyana OR british guiana OR haiti OR hispaniola OR honduras OR hungary OR india OR indonesia OR timor OR iran OR iraq OR isle of man OR jamaica OR jordan OR kazakhstan OR kazakh OR kenya OR "democratic people's republic of korea" OR republic of korea OR north korea OR south korea OR korea OR kosovo OR kyrgyzstan OR kirghizia OR kirgizstan OR kyrgyz republic OR kirghiz OR laos OR lao pdr OR "lao people's democratic republic" OR latvia OR lebanon OR lebanese republic OR lesotho OR basutoland OR liberia OR libya OR libyan arab jamahiriya OR lithuania OR macau OR macao OR republic of north macedonia OR macedonia OR madagascar OR malagasy republic OR malawi OR nyasaland OR malaysia OR malay federation OR malaya federation OR maldives OR indian ocean islands OR indian ocean OR mali OR malta OR micronesia OR federated states of micronesia OR kiribati OR marshall islands OR nauru OR northern mariana islands OR palau OR tuvalu OR mauritania OR mauritius OR mexico OR moldova OR moldovian OR mongolia OR montenegro OR morocco OR ifni OR mozambique OR portuguese east africa OR myanmar OR burma OR namibia OR nepal OR netherlands antilles OR nicaragua OR niger OR nigeria OR oman OR muscat OR pakistan OR panama OR papua new guinea OR new guinea OR paraguay OR peru

	<p>OR philippines OR philipines OR phillipines OR phillippines OR poland OR "polish people's republic" OR portugal OR portuguese republic OR puerto rico OR romania OR russia OR russian federation OR ussr OR soviet union OR union of soviet socialist republics OR rwanda OR ruanda OR samoa OR pacific islands OR polynesia OR samoan islands OR navigator island OR navigator islands OR "sao tome and principe" OR saudi arabia OR senegal OR serbia OR seychelles OR sierra leone OR slovakia OR slovak republic OR slovenia OR melanesia OR solomon island OR solomon islands OR norfolk island OR norfolk islands OR somalia OR south africa OR south sudan OR sri lanka OR ceylon OR "saint kitts and nevis" OR "st. kitts and nevis" OR saint lucia OR "st. lucia" OR "saint vincent and the grenadines" OR saint vincent OR "st. vincent" OR grenadines OR sudan OR suriname OR surinam OR dutch guiana OR netherlands guiana OR syria OR syrian arab republic OR tajikistan OR tadjikistan OR tadhikistan OR tadhik OR tanzania OR tanganyika OR thailand OR siam OR timor leste OR east timor OR togo OR togolese republic OR tonga OR "trinidad and tobago" OR trinidad OR tobago OR tunisia OR turkey OR turkmenistan OR turkmen OR uganda OR ukraine OR uruguay OR uzbekistan OR uzbek OR vanuatu OR new hebrides OR venezuela OR vietnam OR viet nam OR middle east OR west bank OR gaza OR palestine OR yemen OR yugoslavia OR zambia OR zimbabwe OR northern rhodesia OR global south OR africa south of the sahara OR sub-saharan africa OR subsaharan africa OR africa, central OR central africa OR africa, northern OR north africa OR northern africa OR magreb OR maghrib OR sahara OR africa, southern OR southern africa OR africa, eastern OR east africa OR eastern africa OR africa, western OR west africa OR western africa OR west indies OR indian ocean islands OR caribbean OR central america OR latin america OR "south and central america" OR south america OR asia, central OR central asia OR asia, northern OR north asia OR northern asia OR asia, southeastern OR southeastern asia OR south eastern asia OR southeast asia OR south east asia OR asia, western OR western asia OR europe, eastern OR east europe OR eastern europe OR developing country OR developing countries OR developing nation\$ OR developing population\$ OR developing world OR less developed countr* OR less developed nation\$ OR less developed population\$ OR less developed world OR lesser developed countr* OR lesser developed nation\$ OR lesser developed population\$ OR lesser developed world OR under developed countr* OR under developed nation\$ OR under developed population\$ OR under developed world OR underdeveloped countr* OR underdeveloped nation\$ OR underdeveloped population\$ OR underdeveloped world OR middle income countr* OR middle income nation\$ OR middle income population\$ OR low income countr* OR low income nation\$ OR low income population\$ OR lower income countr* OR lower income nation\$ OR lower income population\$ OR underserved countr* OR underserved nation\$ OR underserved population\$ OR underserved world OR under served countr* OR under served nation\$ OR under served population\$ OR under served world OR deprived countr* OR deprived nation\$ OR deprived population\$ OR deprived world OR poor countr* OR poor nation\$ OR poor population\$ OR poor world OR poorer countr* OR poorer nation\$ OR poorer population\$ OR poorer world OR developing econom* OR less developed econom* OR lesser developed econom* OR under developed econom* OR underdeveloped econom* OR middle income econom* OR low income econom* OR lower income econom* OR low gdp OR low gnp OR low gross domestic OR low gross national OR lower gdp OR lower gnp OR lower gross domestic OR lower gross national OR lmic OR lmics OR third world OR lami countr* OR transitional countr* OR emerging economies OR emerging nation\$).ti,ab,sh,kf.</p>
#10	health.ti,ab,kw OR exp Global Health/ OR exp Population Health/ OR exp Public Health/
#11	(cook* OR light* OR heat*).ti,ab,kw. OR exp Heating/ OR exp Lighting/ OR Cooking/
#12	(Clinical Trial or Comparative Study or Evaluation study).pt. or exp Cross-Over Studies/ or exp Clinical Trials as Topic/ or random*.ti,ab. or controll*.ti,ab. or "intervention study".ti,ab. or "experimental study".ti,ab. or trial.ti,ab. or trials.ti,ab. or evaluat*.ti,ab. or repeat*.ti,ab. or

	compar*.ti,ab. or versus.ti,ab. or "before and after".ti,ab. or "interrupted time series".ti,ab. or intervention\$.ti,ab.
#13	4 and 8 and 9 and 10 and 11 and 12

Supplemental Table E2, Full Search Strategy for Embase.com Searched on 3/17/22

#1	(household\$ OR indoor\$ OR home\$):ab,ti,kw OR 'Household'/exp OR 'Indoor'/exp
#2	solar:ab,ti,kw OR clean*:ab,ti,kw OR renewable:ab,ti,kw OR 'liquid propane gas':ab,ti,kw OR lpg:ab,ti,kw OR ethanol:ab,ti,kw OR chimney\$:ab,ti,kw OR 'natural gas':ab,ti,kw OR biomass:ab,ti,kw OR biofuel\$:ab,ti,kw OR 'natural gas'/exp OR 'biomass energy'/exp OR 'chimney'/exp OR 'renewable energy'/exp OR 'biofuel'/exp
#3	((improv* OR better OR clean*) NEAR/3 (stove\$ OR cookstove\$)):ab,ti,kw
#4	#2 OR #3
#5	(petroleum OR pollut* OR 'particulate matter' OR 'carbon monoxide' OR smoke OR soot OR kerosene OR firewood OR fire\$ OR woodfire\$ OR woodstove\$ OR coal OR 'solid fuel\$'):ab,ti,kw OR 'Air Pollutant'/de OR 'Air Pollution'/de OR 'Particulate Matter'/de OR 'Atmospheric particulate matter'/exp OR 'Carbon Monoxide'/exp OR 'Fly Ash'/exp OR 'Smoke'/exp OR 'Kerosene'/exp OR 'Fire'/exp OR 'Indoor Air Pollution'/exp OR 'Wood'/exp OR 'Soot'/exp OR 'Exhaust gas'/exp OR 'Indoor air pollution'/exp OR 'Petroleum'/exp
#6	#1 AND #5
#7	'antigua and barbuda':ab,ti,kw OR 'bosnia and herzegovina':ab,ti,kw OR 'sao tome and principe':ab,ti,kw OR 'saint kitts and nevis':ab,ti,kw OR 'saint vincent and the grenadines':ab,ti,kw OR 'trinidad and tobago':ab,ti,kw OR 'st. kitts and nevis':ab,ti,kw OR 'south and central america':ab,ti,kw OR ('american samoa' OR 'republic of belarus' OR 'british honduras' OR 'burkina faso' OR 'burkina fasso' OR 'upper volta' OR 'cabo verde' OR 'cape verde' OR 'khmer republic' OR 'central african republic' OR 'ubangi shari' 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 belarus OR byelarus OR belorussia OR byelorussian OR belize OR benin OR dahomey OR bhutan OR bolivia OR bosnia OR herzegovina OR botswana OR bechuanaland OR brazil OR brasil OR bulgaria OR burundi OR urundi OR cambodia OR kampuchea OR cameroon OR cameron OR cameroun OR chad OR chile OR china OR colombia OR comoros OR 'comoro islands' OR 'iles comores' OR mayotte OR 'democratic republic of the congo' OR 'democratic republic congo' OR congo OR zaire OR 'costa rica' OR 'cote d'ivoire' OR 'cote d'ivoire' OR 'cote divoire' OR 'cote d'ivoire' OR 'ivory coast' OR croatia OR cuba OR cyprus OR 'czech republic' OR czechoslovakia OR djibouti OR 'french somaliland' OR dominica OR 'dominican republic' OR ecuador OR egypt OR 'united arab republic' OR 'el salvador' OR 'equatorial guinea' OR 'spanish guinea' OR eritrea OR estonia OR eswatini OR swaziland OR ethiopia OR fiji OR gabon OR 'gabonese republic' OR gambia OR 'georgia (republic)' OR georgian OR ghana OR 'gold coast' OR gibraltar OR greece OR grenada OR guam OR guatemala OR guinea OR 'guinea bissau' OR guyana OR 'british guiana' OR haiti OR hispaniola OR honduras OR hungary OR india OR indonesia OR timor OR iran OR iraq OR 'isle of man' OR jamaica OR jordan OR kazakhstan OR kazakh OR kenya OR 'democratic people`s republic of korea' OR 'republic of korea' OR 'north korea' OR 'south korea' OR korea OR kosovo OR kyrgyzstan OR kirghizia OR kirgizstan OR 'kyrgyz republic' OR kirghiz OR laos OR 'lao pdr' OR 'lao people`s democratic republic' OR latvia OR lebanon OR 'lebanese republic' OR lesotho OR basutoland OR liberia OR libya OR 'libyan arab jamahiriya' OR lithuania OR macau OR macao OR 'republic of north macedonia' OR macedonia OR madagascar OR 'malagasy republic' OR malawi OR nyasaland OR malaysia OR 'malay

federation' OR 'malaya federation' OR maldives OR 'indian ocean islands' OR 'indian ocean'
 OR mali OR malta OR micronesia OR 'federated states of micronesia' OR kiribati OR 'marshall
 islands' OR nauru OR 'northern mariana islands' OR palau OR tuvalu OR mauritania OR
 mauritius OR mexico OR moldova OR moldovian OR mongolia OR montenegro OR
 'montenegro (republic)' OR morocco OR ifni OR mozambique OR 'portuguese east africa' OR
 myanmar OR burma OR namibia OR nepal OR 'netherlands antilles' OR nicaragua OR niger OR
 nigeria OR oman OR muscat OR pakistan OR panama OR 'papua new guinea' OR 'new guinea'
 OR paraguay OR peru OR philippines OR philipines OR phillipines OR phillippines OR poland
 OR 'polish people`s republic' OR portugal OR 'portuguese republic' OR 'puerto rico' OR
 romania OR russia OR 'russian federation' OR ussr OR 'soviet union' OR 'union of soviet
 socialist republics' OR rwnda OR ruanda OR samoa OR 'pacific islands' OR polynesia OR
 'samoan islands' OR 'navigator island' OR 'navigator islands' OR 'saudi arabia' OR senegal OR
 serbia OR seychelles OR 'sierra leone' OR slovakia OR 'slovak republic' OR slovenia OR
 melanesia OR 'solomon island' OR 'solomon islands' OR 'norfolk island' OR 'norfolk islands' OR
 somalia OR 'south africa' OR 'south sudan' OR 'sri lanka' OR ceylon OR 'saint lucia' OR 'st. lucia'
 OR 'saint vincent' OR 'st. vincent' OR grenadines OR sudan OR suriname OR surinam OR 'dutch
 guiana' OR 'netherlands guiana' OR syria OR 'syrian arab republic' OR tajikistan OR tadjikistan
 OR tadjhikistan OR tadjhik OR tanzania OR tanganyika OR thailand OR siam OR 'timor leste'
 OR 'east timor' OR togo OR 'togolese republic' OR tonga OR trinidad OR tobago OR tunisia OR
 'turkey (republic)' OR turkey OR turkmenistan OR turkmen OR uganda OR ukraine OR uruguay
 OR uzbekistan OR uzbek OR vanuatu OR 'new hebrides' OR venezuela OR vietnam OR 'viet
 nam' OR 'middle east' OR 'west bank' OR gaza OR palestine OR yemen OR yugoslavia OR
 zambia OR zimbabwe OR 'northern rhodesia' OR 'global south' OR 'africa south of the sahara'
 OR 'sub saharan africa' OR 'subsaharan africa' OR 'africa, central' OR 'central africa' OR 'africa,
 northern' OR 'north africa' OR 'northern africa' OR magreb OR maghrib OR sahara OR 'africa,
 southern' OR 'southern africa' OR 'africa, eastern' OR 'east africa' OR 'eastern africa' OR
 'africa, western' OR 'west africa' OR 'western africa' OR 'west indies' OR 'indian ocean islands'
 OR 'caribbean region' OR 'caribbean islands' OR caribbean OR 'central america' OR 'latin
 america' OR 'south america' OR 'asia, central' OR 'central asia' OR 'asia, northern' OR 'north
 asia' OR 'northern asia' OR 'asia, southeastern' OR 'southeastern asia' OR 'south eastern asia'
 OR 'southeast asia' OR 'south east asia' OR 'asia, western' OR 'western asia' OR 'europe,
 eastern' OR 'east europe' OR 'eastern europe' OR 'developing country' OR 'developing
 countries' OR 'developing nation\$' OR 'developing population\$' OR 'developing world' OR 'less
 developed countr*' OR 'less developed nation\$' OR 'less developed population\$' OR 'less
 developed world' OR 'lesser developed countr*' OR 'lesser developed nation\$' OR 'lesser
 developed population\$' OR 'lesser developed world' OR 'under developed countr*' OR 'under
 developed nation\$' OR 'under developed population\$' OR 'under developed world' OR
 'underdeveloped countr*' OR 'underdeveloped nation\$' OR 'underdeveloped population\$' OR
 'underdeveloped world' OR 'middle income countr*' OR 'middle income nation\$' OR 'middle
 income population\$' OR 'low income countr*' OR 'low income nation\$' OR 'low income
 population\$' OR 'lower income countr*' OR 'lower income nation\$' OR 'lower income
 population\$' OR 'underserved countr*' OR 'underserved nation\$' OR 'underserved
 population\$' OR 'underserved world' OR 'under served countr*' OR 'under served nation\$' OR
 'under served population\$' OR 'under served world' OR 'deprived countr*' OR 'deprived
 nation\$' OR 'deprived population\$' OR 'deprived world' OR 'poor countr*' OR 'poor nation\$'
 OR 'poor population\$' OR 'poor world' OR 'poorer countr*' OR 'poorer nation\$' OR 'poorer
 population\$' OR 'poorer world' OR 'developing econom*' OR 'less developed econom*' OR
 'lesser developed econom*' OR 'under developed econom*' OR 'underdeveloped econom*'

	OR '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 'emerging economies' OR 'emerging nation\$'):ab,ti,kw
#8	'health':ab,ti,kw OR 'Global Health'/exp OR 'Public Health'/exp OR 'Population Health'/exp
#9	'cook*':ti,ab,kw OR 'light*':ti,ab,kw OR 'heat*':ti,ab,kw OR 'Heating'/exp OR 'Illumination'/exp OR 'Cooking'/exp
#10	'randomized controlled trial'/exp OR 'clinical trial'/exp OR 'comparative study'/exp OR 'controlled study'/de OR 'evaluation study'/de OR 'human experiment'/exp OR random*:ab,ti OR control*:ab,ti OR 'intervention study':ab,ti OR 'experimental study':ab,ti OR trial:ab,ti OR trials:ab,ti OR compar*:ab,ti OR repeat*:ab,ti OR crossover:ab,ti OR 'double blind':ab,ti OR evaluat*:ab,ti OR 'before and after':ab,ti OR 'interrupted time series':ab,ti OR intervention\$:ab,ti
#11	#4 AND #6 AND #7 AND #8 AND #9 AND #10

Supplemental Table E3, Full Search Strategy for Cochrane Searched on 3/17/22

#1	(household\$ or indoor\$ or home\$).ti,ab,kw.
#2	(solar OR clean* OR renewable OR liquid propane gas OR LPG OR ethanol OR chimney\$ OR natural gas OR biomass OR biofuel\$).ti,ab,kw OR exp Natural Gas/ OR exp Biomass/ OR exp Solar Energy/ OR Renewable Energy/ OR exp Biofuels/ OR exp Geothermal Energy/ OR Ethanol/
#3	(improv* OR better OR clean*).ti,ab,kw adj3 (stove\$ OR cookstove\$).ti,ab,kw
#4	2 OR 3
#5	(petroleum or pollut* OR particulate matter OR carbon monoxide OR smoke OR soot OR kerosene OR firewood OR fire\$ OR woodfire\$ OR woodstove\$ OR coal OR solid fuel\$).ti,ab,kw. OR Air Pollutants/ OR Particulate Matter/ OR exp Carbon Monoxide/ OR exp Coal Ash/ OR exp Smoke/ OR exp Petroleum/ OR Fires/ OR Wood/ OR Air Pollution/
#6	exp Air Pollution, Indoor/
#7	1 and 5
#8	6 or 7
#9	(afghanistan OR albania OR algeria OR american samoa OR angola OR "antigua and barbuda" OR antigua OR barbuda OR argentina OR armenia OR armenian OR aruba OR azerbaijan OR bahrain OR bangladesh OR barbados OR republic of belarus OR belarus OR byelarus OR belorussia OR byelorussian OR belize OR british honduras OR benin OR dahomey OR bhutan OR bolivia OR "bosnia and herzegovina" OR bosnia OR herzegovina OR botswana OR bechuanaland OR brazil OR brasil OR bulgaria OR burkina faso OR burkina fasso OR upper volta OR burundi OR urundi OR cabo verde OR cape verde OR cambodia OR kampuchea OR khmer republic OR cameroon OR cameron OR cameroun OR central african republic OR ubangi shari OR chad OR chile OR china OR colombia OR comoros OR comoro islands OR iles comores OR mayotte OR democratic republic of the congo OR democratic republic congo OR congo OR zaire OR costa rica OR "cote d'ivoire" OR "cote d'ivoire" OR cote divoire OR cote d ivoire OR ivory coast OR croatia OR cuba OR cyprus OR czech republic OR czechoslovakia OR djibouti OR french somaliland OR dominica OR dominican republic OR ecuador OR egypt OR united arab republic OR el salvador OR equatorial guinea OR spanish guinea OR eritrea OR estonia OR eswatini OR swaziland OR ethiopia OR fiji OR gabon OR gabonese republic OR gambia OR "georgia (republic)" OR georgian OR ghana OR gold coast OR gibraltar OR greece OR grenada OR guam OR guatemala OR guinea OR guinea bissau OR guyana OR british guiana OR haiti OR hispaniola OR honduras OR hungary OR india OR indonesia OR

timor OR iran OR iraq OR isle of man OR jamaica OR jordan OR kazakhstan OR kazakh OR kenya OR "democratic people's republic of korea" OR republic of korea OR north korea OR south korea OR korea OR kosovo OR kyrgyzstan OR kirghizia OR kirgizstan OR kyrgyz republic OR kirghiz OR laos OR lao pdr OR "lao people's democratic republic" OR latvia OR lebanon OR lebanese republic OR lesotho OR basutoland OR liberia OR libya OR libyan arab jamahiriya OR lithuania OR macau OR macao OR republic of north macedonia OR macedonia OR madagascar OR malagasy republic OR malawi OR nyasaland OR malaysia OR malay federation OR malaya federation OR maldives OR indian ocean islands OR indian ocean OR mali OR malta OR micronesia OR federated states of micronesia OR kiribati OR marshall islands OR nauru OR northern mariana islands OR palau OR tuvalu OR mauritania OR mauritius OR mexico OR moldova OR moldovian OR mongolia OR montenegro OR morocco OR ifni OR mozambique OR portuguese east africa OR myanmar OR burma OR namibia OR nepal OR netherlands antilles OR nicaragua OR niger OR nigeria OR oman OR muscat OR pakistan OR panama OR papua new guinea OR new guinea OR paraguay OR peru OR philippines OR philipines OR phillipines OR phillippines OR poland OR "polish people's republic" OR portugal OR portuguese republic OR puerto rico OR romania OR russia OR russian federation OR ussr OR soviet union OR union of soviet socialist republics OR rwanada OR ruanda OR samoa OR pacific islands OR polynesia OR samoan islands OR navigator island OR navigator islands OR "sao tome and principe" OR saudi arabia OR senegal OR serbia OR seychelles OR sierra leone OR slovakia OR slovak republic OR slovenia OR melanesia OR solomon island OR solomon islands OR norfolk island OR norfolk islands OR somalia OR south africa OR south sudan OR sri lanka OR ceylon OR "saint kitts and nevis" OR "st. kitts and nevis" OR saint lucia OR "st. lucia" OR "saint vincent and the grenadines" OR saint vincent OR "st. vincent" OR grenadines OR sudan OR suriname OR surinam OR dutch guiana OR netherlands guiana OR syria OR syrian arab republic OR tajikistan OR tadjikistan OR tadhikistan OR tadhik OR tanzania OR tanganyika OR thailand OR siam OR timor leste OR east timor OR togo OR togolese republic OR tonga OR "trinidad and tobago" OR trinidad OR tobago OR tunisia OR turkey OR turkmenistan OR turkmen OR uganda OR ukraine OR uruguay OR uzbekistan OR uzbek OR vanuatu OR new hebrides OR venezuela OR vietnam OR viet nam OR middle east OR west bank OR gaza OR palestine OR yemen OR yugoslavia OR zambia OR zimbabwe OR northern rhodesia OR global south OR africa south of the sahara OR sub-saharan africa OR subsaharan africa OR africa, central OR central africa OR africa, northern OR north africa OR northern africa OR magreb OR maghrib OR sahara OR africa, southern OR southern africa OR africa, eastern OR east africa OR eastern africa OR africa, western OR west africa OR western africa OR west indies OR indian ocean islands OR caribbean OR central america OR latin america OR "south and central america" OR south america OR asia, central OR central asia OR asia, northern OR north asia OR northern asia OR asia, southeastern OR southeastern asia OR south eastern asia OR southeast asia OR south east asia OR asia, western OR western asia OR europe, eastern OR east europe OR eastern europe OR developing country OR developing countries OR developing nation\$ OR developing population\$ OR developing world OR less developed countr* OR less developed nation\$ OR less developed population\$ OR less developed world OR lesser developed countr* OR lesser developed nation\$ OR lesser developed population\$ OR lesser developed world OR under developed countr* OR under developed nation\$ OR under developed population\$ OR under developed world OR underdeveloped countr* OR underdeveloped nation\$ OR underdeveloped population\$ OR underdeveloped world OR middle income countr* OR middle income nation\$ OR middle income population\$ OR low income countr* OR low income nation\$ OR low income population\$ OR lower income countr* OR lower income nation\$ OR lower income population\$ OR underserved countr* OR underserved nation\$ OR underserved population\$ OR underserved world OR under served countr* OR under served nation\$ OR under served population\$ OR under served world

	OR deprived countr* OR deprived nation\$ OR deprived population\$ OR deprived world OR poor countr* OR poor nation\$ OR poor population\$ OR poor world OR poorer countr* OR poorer nation\$ OR poorer population\$ OR poorer world OR developing econom* OR less developed econom* OR lesser developed econom* OR under developed econom* OR underdeveloped econom* OR middle income econom* OR low income econom* OR lower income econom* OR low gdp OR low gnp OR low gross domestic OR low gross national OR lower gdp OR lower gnp OR lower gross domestic OR lower gross national OR lmic OR Imics OR third world OR lami countr* OR transitional countr* OR emerging economies OR emerging nation\$).ti,ab.
#10	health.ti,ab,kw OR exp Global Health/ OR exp Population Health/ OR exp Public Health/
#11	(cook* OR light* OR heat*).ti,ab,kw. OR exp Heating/ OR exp Lighting/ OR Cooking/
#12	(Clinical Trial or Comparative Study or Evaluation study).pt. or exp Cross-Over Studies/ or exp Clinical Trials as Topic/ or random*.ti,ab. or controll*.ti,ab. or "intervention study".ti,ab. or "experimental study".ti,ab. or trial.ti,ab. or trials.ti,ab. or evaluat*.ti,ab. or repeat*.ti,ab. or compar*.ti,ab. or versus.ti,ab. or "before and after".ti,ab. or "interrupted time series".ti,ab. or intervention\$.ti,ab.
#13	4 and 8 and 9 and 10 and 11 and 12

Supplemental Table E4, Full Search Strategy for Web of Science Searched on 3/17/22

#1	TS=(household\$ OR indoor\$ OR home\$)
#2	TS=(solar OR clean* OR renewable OR "liquid propane gas" OR LPG OR ethanol OR chimney\$ OR "natural gas" OR biomass OR biofuel\$)
#3	TS=((improv* OR better OR clean*) NEAR/3 (stove\$ OR cookstove\$))
#4	#2 OR #3
#5	TS=(pollut* OR "particulate matter" OR "carbon monoxide" OR smoke OR soot OR kerosene OR firewood OR fire\$ OR woodfire\$ OR woodstove\$ OR coal OR "solid fuel\$" OR petroleum)
#6	#1 AND #5
#7	TS=(afghanistan OR albania OR algeria OR american samoa OR angola OR "antigua and barbuda" OR antigua OR barbuda OR argentina OR armenia OR armenian OR aruba OR azerbaijan OR bahrain OR bangladesh OR barbados OR republic of belarus OR belarus OR byelarus OR belorussia OR byelorussian OR belize OR british honduras OR benin OR dahomey OR bhutan OR bolivia OR "bosnia and herzegovina" OR bosnia OR herzegovina OR botswana OR bechuanaland OR brazil OR brasil OR bulgaria OR burkina faso OR burkina fasso OR upper volta OR burundi OR urundi OR cabo verde OR cape verde OR cambodia OR kampuchea OR khmer republic OR cameroon OR cameron OR cameroun OR central african republic OR ubangi shari OR chad OR chile OR china OR colombia OR comoros OR comoro islands OR iles comores OR mayotte OR democratic republic of the congo OR democratic republic congo OR congo OR zaire OR costa rica OR "cote d'ivoire" OR "cote d'ivoire" OR cote divoire OR cote d ivoire OR ivory coast OR croatia OR cuba OR cyprus OR czech republic OR czechoslovakia OR djibouti OR french somaliland OR dominica OR dominican republic OR ecuador OR egypt OR united arab republic OR el salvador OR equatorial guinea OR spanish guinea OR eritrea OR estonia OR eswatini OR swaziland OR ethiopia OR fiji OR gabon OR gabonese republic OR gambia OR "georgia (republic)" OR georgian OR ghana OR gold coast OR gibraltar OR greece OR grenada OR guam OR guatemala OR guinea OR guinea bissau OR guyana OR british guiana OR haiti OR hispaniola OR honduras OR hungary OR india OR indonesia OR timor OR iran OR iraq OR isle of man OR jamaica OR jordan OR kazakhstan OR kazakh OR kenya OR "democratic people's republic of korea" OR republic of korea OR north korea OR south korea OR korea OR kosovo OR kyrgyzstan OR kirghizia OR kirgizstan OR kyrgyz republic OR kirghiz OR laos OR lao pdr OR "lao people's democratic republic" OR latvia OR lebanon OR lebanese republic OR lesotho OR basutoland OR liberia OR libya OR libyan arab

jamahiriya OR lithuania OR macau OR macao OR republic of north macedonia OR macedonia OR madagascar OR malagasy republic OR malawi OR nyasaland OR malaysia OR malay federation OR malaya federation OR maldives OR indian ocean islands OR indian ocean OR mali OR malta OR micronesia OR federated states of micronesia OR kiribati OR marshall islands OR nauru OR northern mariana islands OR palau OR tuvalu OR mauritania OR mauritius OR mexico OR moldova OR moldovian OR mongolia OR montenegro OR morocco OR ifni OR mozambique OR portuguese east africa OR myanmar OR burma OR namibia OR nepal OR netherlands antilles OR nicaragua OR niger OR nigeria OR oman OR muscat OR pakistan OR panama OR papua new guinea OR new guinea OR paraguay OR peru OR philippines OR philipines OR phillipines OR philippines OR poland OR "polish people's republic" OR portugal OR portuguese republic OR puerto rico OR romania OR russia OR russian federation OR ussr OR soviet union OR union of soviet socialist republics OR rwanda OR ruanda OR samoa OR pacific islands OR polynesia OR samoan islands OR navigator island OR navigator islands OR "sao tome and principe" OR saudi arabia OR senegal OR serbia OR seychelles OR sierra leone OR slovakia OR slovak republic OR slovenia OR melanesia OR solomon island OR solomon islands OR norfolk island OR norfolk islands OR somalia OR south africa OR south sudan OR sri lanka OR ceylon OR "saint kitts and nevis" OR "st. kitts and nevis" OR saint lucia OR "st. lucia" OR "saint vincent and the grenadines" OR saint vincent OR "st. vincent" OR grenadines OR sudan OR suriname OR surinam OR dutch guiana OR netherlands guiana OR syria OR syrian arab republic OR tajikistan OR tadjikistan OR tadhikistan OR tadhik OR tanzania OR tanganyika OR thailand OR siam OR timor leste OR east timor OR togo OR togolese republic OR tonga OR "trinidad and tobago" OR trinidad OR tobago OR tunisia OR turkey OR turkmenistan OR turkmen OR uganda OR ukraine OR uruguay OR uzbekistan OR uzbek OR vanuatu OR new hebrides OR venezuela OR vietnam OR viet nam OR middle east OR west bank OR gaza OR palestine OR yemen OR yugoslavia OR zambia OR zimbabwe OR northern rhodesia OR global south OR africa south of the sahara OR sub-saharan africa OR subsaharan africa OR africa, central OR central africa OR africa, northern OR north africa OR northern africa OR magreb OR maghrib OR sahara OR africa, southern OR southern africa OR africa, eastern OR east africa OR eastern africa OR africa, western OR west africa OR western africa OR west indies OR indian ocean islands OR caribbean OR central america OR latin america OR "south and central america" OR south america OR asia, central OR central asia OR asia, northern OR north asia OR northern asia OR asia, southeastern OR southeastern asia OR south eastern asia OR southeast asia OR south east asia OR asia, western OR western asia OR europe, eastern OR east europe OR eastern europe OR developing country OR developing countries OR developing nation? OR developing population? OR developing world OR less developed countr* OR less developed nation? OR less developed population? OR less developed world OR lesser developed countr* OR lesser developed nation? OR lesser developed population? OR lesser developed world OR under developed countr* OR under developed nation? OR under developed population? OR under developed world OR underdeveloped countr* OR underdeveloped nation? OR underdeveloped population? OR underdeveloped world OR middle income countr* OR middle income nation? OR middle income population? OR low income countr* OR low income nation? OR low income population? OR lower income countr* OR lower income nation? OR lower income population? OR underserved countr* OR underserved nation? OR underserved population? OR underserved world OR under served countr* OR under served nation? OR under served population? OR under served world OR deprived countr* OR deprived nation? OR deprived population? OR deprived world OR poor countr* OR poor nation? OR poor population? OR poor world OR poorer countr* OR poorer nation? OR poorer population? OR poorer world OR developing econom* OR less developed econom* OR lesser developed econom* OR under developed econom* OR underdeveloped econom* OR middle income econom* OR low income econom* OR lower income econom* OR low gdp OR low gnp OR low gross domestic OR low gross national OR lower gdp OR lower gnp OR lower gross domestic OR lower gross national

	OR lmic OR lmics OR third world OR lami countr* OR transitional countr* OR emerging economies OR emerging nation?)
#8	TS=(health)
#9	TS=(cook* OR light* OR heat*)
#10	TS=("randomized controlled trial" OR "clinical trial" OR "comparative study" OR "controlled study" OR "evaluation study" OR "human experiment" OR random* OR control* OR "intervention study" OR "experimental study" OR trial OR trials OR compar* OR repeat* OR crossover OR "double blind" OR evaluat* OR "before and after" OR "interrupted time series" OR intervention\$)
#11	#4 AND #6 AND #7 AND #8 AND #9 AND #10