

Supplementary Material

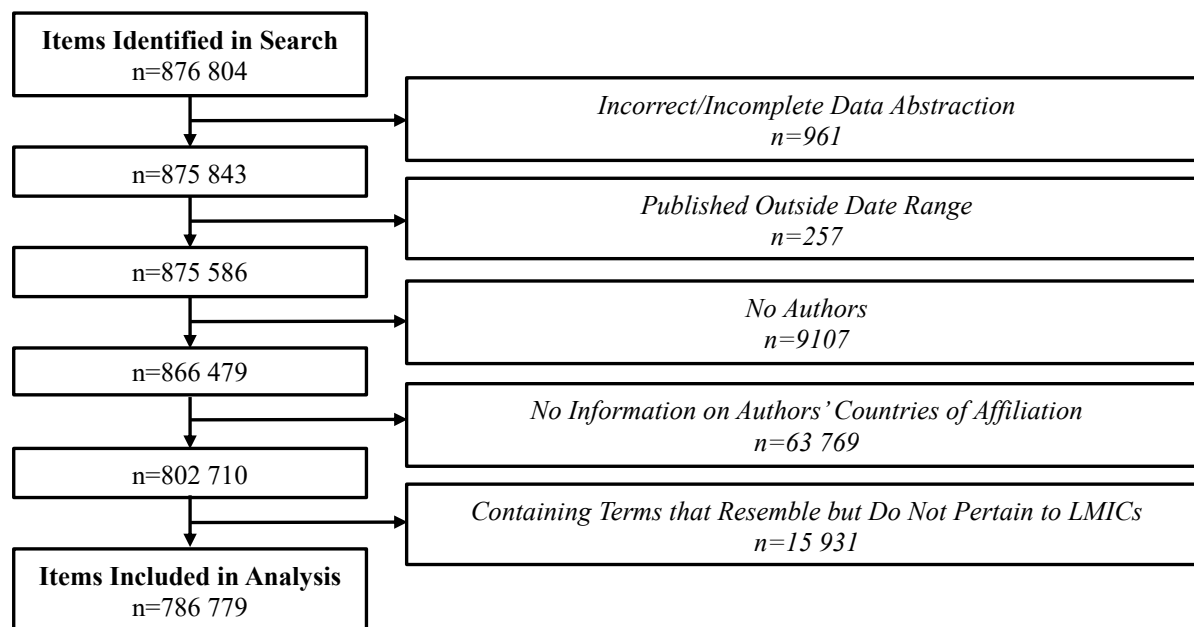
Supplementary Table 1. Number and proportion of publications with LMIC-affiliated author overall and by income status.

	Low	Lower Middle	Upper Middle	Any
Countries	45	53	76	149
Publications	100 687	354 735	372 020	786 779
Any Author^a	59 121 (58.7)	288 999 (81.5)	318 679 (85.7)	676 481 (86.0)
First Author^a	37 061 (36.8)	262 758 (74.1)	290 786 (78.2)	606 966 (77.2)
Last Author^a	29 259 (29.1)	240 144 (67.7)	273 845 (73.6)	560 166 (72.1)

^ap-value<0.001 for Chi-square test for difference in distribution between low, lower middle-, and upper middle-income countries.

Supplementary Table 2. Linear tests for trend in proportion of publications with LMIC-affiliated author by year and income status; metrics are average change in percentage points per year and 95% confidence interval.

LMIC	Any Author	First Author	Last Author
All	0.72 (0.70; 0.73)	0.70 (0.68; 0.72)	0.74 (0.72; 0.76)
Low	0.88 (0.81; 0.94)	0.42 (0.36; 0.48)	0.34 (0.28; 0.40)
Lower Middle	0.85 (0.82; 0.87)	0.90 (0.87; 0.93)	0.91 (0.88; 0.95)
Upper Middle	0.32 (0.30; 0.35)	0.28 (0.25; 0.31)	0.35 (0.32; 0.38)



Supplementary Figure 1. Selection of items for inclusion/exclusion in current study.

Scopus Search

(TITLE-ABS-KEY (Afghanistan) OR TITLE-ABS-KEY (Albania) OR TITLE-ABS-KEY (Algeria) OR TITLE-ABS-KEY ("American Samoa") OR TITLE-ABS-KEY (Angola) OR TITLE-ABS-KEY (Antigua) OR TITLE-ABS-KEY (Barbuda) OR TITLE-ABS-KEY (Argentina) OR TITLE-ABS-KEY ("Argentine Republic") OR TITLE-ABS-KEY (Armenia) OR TITLE-ABS-KEY ("Armenian Soviet Socialist Republic") OR TITLE-ABS-KEY (Aruba) OR TITLE-ABS-KEY (Azerbaijan) OR TITLE-ABS-KEY ("Azerbaijan Soviet Socialist Republic") OR TITLE-ABS-KEY (Bahrain) OR TITLE-ABS-KEY (Bangladesh) OR TITLE-ABS-KEY (Barbados) OR TITLE-ABS-KEY (Belarus) OR TITLE-ABS-KEY (Byelarus) OR TITLE-ABS-KEY (Belorussia) OR TITLE-ABS-KEY (Byelorussia) OR TITLE-ABS-KEY ("Belorussian Soviet Socialist Republic") OR TITLE-ABS-KEY ("Byelorussian Soviet Socialist Republic") OR TITLE-ABS-KEY (Belize) OR TITLE-ABS-KEY (Benin) OR TITLE-ABS-KEY (Bhutan) OR TITLE-ABS-KEY (Bolivia) OR TITLE-ABS-KEY (Bosnia) OR TITLE-ABS-KEY (Herzegovina) OR TITLE-ABS-KEY (Botswana) OR TITLE-ABS-KEY (Brazil) OR TITLE-ABS-KEY (Bulgaria) OR TITLE-ABS-KEY ("Burkina Faso") OR TITLE-ABS-KEY (Burundi) OR TITLE-ABS-KEY ("Cape Verde") OR TITLE-ABS-KEY ("Cabo Verde") OR TITLE-ABS-KEY (

Cambodia) OR TITLE-ABS-KEY (Kampuchea) OR TITLE-ABS-KEY (Cameroon) OR TITLE-ABS-KEY ("Central African Republic") OR TITLE-ABS-KEY (Chad) OR TITLE-ABS-KEY (Chile) OR TITLE-ABS-KEY (China) OR TITLE-ABS-KEY (Colombia) OR TITLE-ABS-KEY (Comoros) OR TITLE-ABS-KEY (Congo) OR TITLE-ABS-KEY (Zaire) OR TITLE-ABS-KEY ("Costa Rica") OR TITLE-ABS-KEY ("Cote d'Ivoire") OR TITLE-ABS-KEY ("Ivory Coast") OR TITLE-ABS-KEY (Croatia) OR TITLE-ABS-KEY (Cuba) OR TITLE-ABS-KEY ("Czech Republic") OR TITLE-ABS-KEY (Czechoslovakia) OR TITLE-ABS-KEY (Djibouti) OR TITLE-ABS-KEY (Dominica) OR TITLE-ABS-KEY ("Dominican Republic") OR TITLE-ABS-KEY (Ecuador) OR TITLE-ABS-KEY (Egypt) OR TITLE-ABS-KEY ("El Salvador") OR TITLE-ABS-KEY ("Equatorial Guinea") OR TITLE-ABS-KEY (Eritrea) OR TITLE-ABS-KEY (Estonia) OR TITLE-ABS-KEY ("Estonian Soviet Socialist Republic") OR TITLE-ABS-KEY (Ethiopia) OR TITLE-ABS-KEY (Fiji) OR TITLE-ABS-KEY (Gabon) OR TITLE-ABS-KEY ("Gabonese Republic") OR TITLE-ABS-KEY (Gambia) OR 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("South Africa") OR TITLE-ABS-KEY ("Sri Lanka") OR TITLE-ABS-KEY (Sudan) OR TITLE-ABS-KEY (Suriname) OR TITLE-ABS-KEY (Swaziland) OR TITLE-ABS-KEY (Syria) OR TITLE-ABS-KEY ("Syrian Arab Republic") OR TITLE-ABS-KEY (Tajikistan) OR TITLE-ABS-KEY (Tadjikistan) OR TITLE-ABS-KEY (Tadzshikistan) OR TITLE-ABS-KEY ("Tajik Soviet Socialist Republic") OR TITLE-ABS-KEY (Tanzania) OR TITLE-ABS-KEY (Thailand) OR TITLE-ABS-KEY (Timor) OR TITLE-ABS-KEY ("Timor-Leste") OR TITLE-ABS-KEY (Togo) OR TITLE-ABS-KEY ("Togolese Republic") OR TITLE-ABS-KEY (Tonga) OR TITLE-ABS-KEY (Trinidad)

OR TITLE-ABS-KEY (Tobago) OR TITLE-ABS-KEY (Tunisia) OR TITLE-ABS-KEY (Turkey) OR TITLE-ABS-KEY (Turkmenistan) OR TITLE-ABS-KEY (Turkmenia) OR TITLE-ABS-KEY (“Turkmen Soviet Socialist Republic”) OR TITLE-ABS-KEY (Tuvalu) OR TITLE-ABS-KEY (Uganda) OR TITLE-ABS-KEY (Ukraine) OR TITLE-ABS-KEY (“Ukrainian Soviet Socialist Republic”) OR TITLE-ABS-KEY (Uruguay) OR TITLE-ABS-KEY (Uzbekistan) OR TITLE-ABS-KEY (“Uzbek Soviet Socialist Republic”) OR TITLE-ABS-KEY (Vanuatu) OR TITLE-ABS-KEY (Venezuela) OR TITLE-ABS-KEY (Vietnam) OR TITLE-ABS-KEY (“Viet Nam”) OR TITLE-ABS-KEY ("West Bank") OR TITLE-ABS-KEY (Gaza) OR TITLE-ABS-KEY (Yemen) OR TITLE-ABS-KEY (Zambia) OR TITLE-ABS-KEY (Zimbabwe)) AND PUBYEAR > 1999 AND PUBYEAR < 2018 AND (SUBJAREA(DENT) OR SUBJAREA(HEAL) OR SUBJAREA(MEDI) OR SUBJAREA(NURS))

Country Legend for Figures 9 and 10

Number	Classification	Country
1	Low	Afghanistan
2	Lower Middle	Albania
3	Upper Middle	Algeria
4	Upper Middle	American Samoa
5	Lower Middle	Angola
6	Upper Middle	Antigua and Barbuda
7	Upper Middle	Argentina
8	Lower Middle	Armenia
9	Upper Middle	Aruba
10	Upper Middle	Azerbaijan
11	Upper Middle	Bahrain
12	Low	Bangladesh
13	Upper Middle	Barbados
14	Upper Middle	Belarus
15	Upper Middle	Belize
16	Low	Benin
17	Lower Middle	Bhutan
18	Lower Middle	Bolivia
19	Upper Middle	Bosnia and Herzegovina
20	Upper Middle	Botswana
21	Upper Middle	Brazil
22	Upper Middle	Bulgaria
23	Low	Burkina Faso
24	Low	Burundi
25	Lower Middle	Cabo Verde
26	Low	Cambodia
27	Lower Middle	Cameroon
28	Low	Central African Republic
29	Low	Chad
30	Upper Middle	Chile
31	Lower Middle	China
32	Upper Middle	Colombia
33	Low	Comoros
34	Low	Congo, Dem. Rep.

35	Lower Middle	Congo, Rep.
36	Upper Middle	Costa Rica
37	Upper Middle	Croatia
38	Upper Middle	Cuba
39	Upper Middle	Czech Republic
40	Lower Middle	Côte d'Ivoire
41	Lower Middle	Djibouti
42	Upper Middle	Dominica
43	Upper Middle	Dominican Republic
44	Lower Middle	Ecuador
45	Lower Middle	Egypt, Arab Rep.
46	Lower Middle	El Salvador
47	Upper Middle	Equatorial Guinea
48	Low	Eritrea
49	Upper Middle	Estonia
50	Low	Ethiopia
51	Lower Middle	Fiji
52	Upper Middle	Gabon
53	Low	Gambia, The
54	Lower Middle	Georgia
55	Low	Ghana
56	Upper Middle	Gibraltar
57	Upper Middle	Greece
58	Upper Middle	Grenada
59	Upper Middle	Guam
60	Lower Middle	Guatemala
61	Low	Guinea
62	Low	Guinea-Bissau
63	Lower Middle	Guyana
64	Low	Haiti
65	Lower Middle	Honduras
66	Upper Middle	Hungary
67	Lower Middle	India
68	Lower Middle	Indonesia
69	Lower Middle	Iran, Islamic Rep.
70	Lower Middle	Iraq
71	Upper Middle	Isle of Man
72	Upper Middle	Jamaica
73	Lower Middle	Jordan
74	Upper Middle	Kazakhstan
75	Low	Kenya
76	Lower Middle	Kiribati
77	Low	Korea, Dem. Rep.

78	Upper Middle	Korea, Rep.
79	Lower Middle	Kosovo
80	Upper Middle	Kuwait
81	Low	Kyrgyz Republic
82	Low	Lao PDR
83	Upper Middle	Latvia
84	Upper Middle	Lebanon
85	Lower Middle	Lesotho
86	Low	Liberia
87	Upper Middle	Libya
88	Upper Middle	Lithuania
89	Upper Middle	Macao SAR, China
90	Upper Middle	Macedonia, FYR
91	Low	Madagascar
92	Low	Malawi
93	Upper Middle	Malaysia
94	Lower Middle	Maldives
95	Low	Mali
96	Upper Middle	Malta
97	Lower Middle	Marshall Islands
98	Low	Mauritania
99	Upper Middle	Mauritius
100	Upper Middle	Mayotte
101	Upper Middle	Mexico
102	Lower Middle	Micronesia, Fed. Sts.
103	Lower Middle	Moldova
104	Lower Middle	Mongolia
105	Upper Middle	Montenegro
106	Lower Middle	Morocco
107	Low	Mozambique
108	Low	Myanmar
109	Upper Middle	Namibia
110	Upper Middle	Nauru
111	Low	Nepal
112	Upper Middle	Netherlands Antilles (former)
113	Upper Middle	New Caledonia
114	Lower Middle	Nicaragua
115	Low	Niger
116	Lower Middle	Nigeria
117	Upper Middle	Northern Mariana Islands
118	Upper Middle	Oman
119	Lower Middle	Pakistan
120	Upper Middle	Palau

121	Upper Middle	Panama
122	Lower Middle	Papua New Guinea
123	Lower Middle	Paraguay
124	Upper Middle	Peru
125	Lower Middle	Philippines
126	Upper Middle	Poland
127	Upper Middle	Portugal
128	Upper Middle	Puerto Rico
129	Upper Middle	Romania
130	Upper Middle	Russian Federation
131	Low	Rwanda
132	Lower Middle	Samoa
133	Upper Middle	Saudi Arabia
134	Low	Senegal
135	Upper Middle	Serbia
136	Upper Middle	Seychelles
137	Low	Sierra Leone
138	Upper Middle	Slovak Republic
139	Upper Middle	Slovenia
140	Low	Solomon Islands
141	Low	Somalia
142	Upper Middle	South Africa
143	Low	South Sudan
144	Lower Middle	Sri Lanka
145	Upper Middle	St. Kitts and Nevis
146	Upper Middle	St. Lucia
147	Upper Middle	St. Vincent and the Grenadines
148	Lower Middle	Sudan
149	Upper Middle	Suriname
150	Lower Middle	Swaziland
151	Lower Middle	Syrian Arab Republic
152	Lower Middle	São Tomé and Príncipe
153	Low	Tajikistan
154	Low	Tanzania
155	Lower Middle	Thailand
156	Lower Middle	Timor-Leste
157	Low	Togo
158	Lower Middle	Tonga
159	Upper Middle	Trinidad and Tobago
160	Lower Middle	Tunisia
161	Upper Middle	Turkey
162	Lower Middle	Turkmenistan
163	Upper Middle	Tuvalu

164	Low	Uganda
165	Lower Middle	Ukraine
166	Upper Middle	Uruguay
167	Low	Uzbekistan
168	Lower Middle	Vanuatu
169	Upper Middle	Venezuela, RB
170	Low	Vietnam
171	Lower Middle	West Bank and Gaza
172	Low	Yemen, Rep.
173	Low	Zambia
174	Low	Zimbabwe

Excluded non-LMIC related terms with corresponding LMIC in parentheses:

Guatemala (Antigua), old/ancient (if article was published in Spanish; Antigua), La Antigua (Antigua), a randomized trial of unruptured brain arteriovenous malformation trial/study (abbreviated ARUBA; Aruba), Azerbaijan Province (Azerbaijan), East/West Azerbaijan (Azerbaijan), Benin City (Benin), brazil nut (Brazil), kampuchea tea (Cambodia), chimpanzee adenoviral/vector (abbreviated chAd; Chad), CHADS2 (Chad), calcium hydroxyapatite deposition disease (abbreviated CHAD; Chad), china clay (China), Congo red (Congo), Crimean-Congo (Republic of Congo), Chinese University Basketball Association (abbreviated CUBA; Cuba), neisseria meningitidis (refers to neisseria meningitidis isolates from Cuba; Cuba), rhyzopertha Dominica (Cuba), Zaire ebolavirus/Ebola Zaire/EBOV Zaire/Zaire antigen/strain (Democratic Republic of Congo), Salvador/Brazil (El Salvador), Ethiopian sheep (Ethiopia), ImageJ/image analysis/Fiji package (Fiji), America/United States/USA (Georgia), Georgia anion toxin (Georgia), Gibraltar system/cable barrier system (Gibraltar), guinea pig/fowl/hen/worm (Guinea), French Guiana (Guyana), Persia Americana (refers to persea americana; Iran), Central Macedonia (Macedonia), Madagascar periwinkle (Madagascar), Malawi cichlids (Malawi), Mali Losinj (Mali), Mali Empire (Mali), Empire (except British Empire; Malta), orange (Malta), New Mexico (Mexico), Inner Mongolia (Mongolia), Montenegro antigen/skin test/reaction (Montenegro), cruzi (refers to trypanosoma cruzi Nicaragua; Nicaragua), Aspergillus/A. Niger (Niger), Helleborus Niger (Niger), leptospira noguchii serovar (refers to leptospira noguchii serovar Panama; Panama), Papua Indonesia (Papua New Guinea), New Guinea without Papua (Papua New Guinea), Poland syndrome (Poland), Puerto Rico scale (Puerto Rico), A/Puerto Rico or A/Pr8 or Pr8 virus (refers to A/Puerto Rico/8/1934 H1N1 virus; Puerto Rico), White Russia (refers to Belarus; Russia), treponema pallidum/TPE, Samoa D (refers to Samoa D strain of treponema pallidum; Samoa), Senegal parrot (Senegal), Australia (St. Lucia), passiflora edulis (refers to passionfruit/grenadine; St. Vincent/Grenadines), Christopher's Hospice/Hospital (St. Vincent/Grenadines), Vincent Foundation (St. Vincent/Grenadines), Vincent de Paul (St. Vincent/Grenadines), Vincent's Hospital/University Hospital/Health/Medical Center (St. Vincent/Grenadines), Italy (St. Vincent/Grenadines), gulf (refers to Gulf St. Vincent; St. Vincent/Grenadines), Sudan IV (Sudan), domestic turkey (Turkey), ocellated turkey (Turkey), turkey bird (Turkey), turkey vulture (Turkey), wild turkey (Turkey), Christmas turkey (Turkey), turkeys (Turkey), Turkey-Kramer (Turkey), Gaza Province (West Bank and Gaza).

Since author list is occasionally included in the body of the abstract, we excluded items where a name resembling LMIC was present in the author list for countries Argentina, Chad, Chile, Congo, Georgia, Guinea, Jordan, Laos (Lao People's Democratic Republic), Liberia, Mali, Malta, Montenegro, Nevis (St. Kitts/Nevis), Oman, Palau, Peru, Poland, Romania, Togo, Tonga, Trinidad (Trinidad and Tobago).