

Supplement 1. PubMed query to retrieve articles reporting original research conducted in sub-Saharan Africa, published 2014–2018.

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(
( (Angola[tiab] OR Angola[mh]) OR

( (Benin[tiab] NOT "Benin haplotype"[tiab]) OR
  Benin[mh] ) OR

(Botswana[tiab] OR Botswana[mh]) OR
(Burkina Faso[tiab] OR Burkina Faso[mh]) OR
(Burundi[tiab] OR Burundi[mh]) OR
(Cameroon[tiab] OR Cameroon[mh]) OR
(Cape Verde[tiab] OR Cape Verde[mh]) OR
(Cabo Verde[tiab] OR Cabo Verde[mh]) OR
(Central African Republic[tiab] OR Central African Republic[mh]) OR
(Chad[tiab] OR Chad[mh]) OR
(Comoros[tiab] OR Comoros[mh]) OR
(Democratic Republic of the Congo[tiab] OR Democratic Republic of the Congo[mh]) OR
(Republic of the Congo[tiab] OR Republic of the Congo[mh]) OR
(Cote d'Ivoire[tiab] OR Cote d'Ivoire[mh]) OR
(Ivory Coast[tiab] OR Ivory Coast[mh]) OR
(Djibouti[tiab] OR Djibouti[mh]) OR
(Equatorial Guinea[tiab] OR Equatorial Guinea[mh]) OR
(Eritrea[tiab] OR Eritrea[mh]) OR
(eSwatini[tiab] OR eSwatini[mh]) OR
(Swaziland[tiab] OR Swaziland[mh]) OR
(Ethiopia[tiab] OR Ethiopia[mh]) OR
(Gabon[tiab] OR Gabon[mh]) OR
(Gambia[tiab] OR Gambia[mh]) OR
(Ghana[tiab] OR Ghana[mh]) OR

(
(Guinea[tiab] NOT ( Papua New Guinea[tiab] OR
  "guinea pig"[tiab] OR
  "guinea pigs"[tiab] OR
  "guinea fowl"[tiab]
) OR
) OR
Guinea[mh]
) OR
(Guinea-Bissau[tiab] OR Guinea-Bissau[mh]) OR

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(Nigeria[tiab] OR Nigeria[mh]) OR
(Rwanda[tiab] OR Rwanda[mh]) OR
(Sao Tome and Principe[tiab] OR Sao Tome and Principe[mh]) OR
(Senegal[tiab] OR Senegal[mh]) OR
(Seychelles[tiab] OR Seychelles[mh]) OR
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(Sierra Leone[tiab] OR Sierra Leone[mh]) OR
(Somalia[tiab] OR Somalia[mh]) OR
(South Africa[tiab] OR South Africa[mh]) OR

((South Sudan[tiab] NOT ("sudan black"[tiab] OR "sudan iv"[tiab]))
OR
South Sudan[mh])

OR

((Sudan[tiab] NOT ("sudan black"[tiab] OR "sudan iv"[tiab]))
OR
Sudan[mh])

OR
(Tanzania[tiab] OR Tanzania[mh]) OR
(Togo[tiab] OR Togo[mh]) OR
(Uganda[tiab] OR Uganda[mh]) OR
(Zambia[tiab] OR Zambia[mh]) OR
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)
)

AND

(journal article[ptyp] NOT (case reports[ptyp] OR
clinical trial protocol[ptyp] OR
"clinical trial, veterinary"[ptyp] OR
comment[ptyp] OR
historical article[ptyp] OR
history[sb] OR
review[ptyp] OR
editorial[ptyp] OR
guideline[ptyp] OR
introductory journal article[ptyp] OR
lecture[ptyp] OR
news[ptyp] OR
newspaper article[ptyp] OR
practice guideline[ptyp])
)

AND

("2014/01/01"[PDat] : "2018/12/31"[PDat])

AND

Humans[Mesh]
)

NOT

(case report[ti] OR
clinical practice guide[ti] OR
clinical protocols[mh] OR
essay[ti] OR
history[sb] OR
"int nurs rev"[journal] OR
meta analysis[ti] OR
news[ti] OR
practice guidelines as topic[mh] OR
study protocol[ti] OR
systematic review[ti] OR
systematic[sb] OR
"wkly epidemiol rec"[journal])

Supplemental Table. Pairwise comparisons of the relative odds of authorship parasitism by author affiliation country for each sub-Saharan Africa. Analyses included only if there were at least 10 papers with that bilateral relation.

ANGOLA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
GERMANY	13	7 (53.8)	177	65 (36.7)	2.01 (0.64–6.49)
UNITED KINGDOM	21	10 (47.6)	169	62 (36.7)	1.57 (0.62–3.93)
UNITED STATES OF AMERICA	58	26 (44.8)	132	46 (34.8)	1.52 (0.81–2.85)
PORTUGAL	61	27 (44.3)	129	45 (34.9)	1.48 (0.79–2.76)
BRAZIL	25	11 (44.0)	165	61 (37.0)	1.34 (0.56–3.13)
FRANCE	16	6 (37.5)	174	66 (37.9)	0.98 (0.32–2.77)
SOUTH AFRICA	11	4 (36.4)	179	68 (38.0)	0.93 (0.24–3.21)
SWITZERLAND	17	6 (35.3)	173	66 (38.2)	0.88 (0.29–2.44)

BENIN

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	97	37 (38.1)	292	57 (19.5)	2.54 (1.54–4.20)
NETHERLANDS	29	10 (34.5)	360	84 (23.3)	1.73 (0.75–3.79)
CANADA	32	10 (31.2)	357	84 (23.5)	1.48 (0.65–3.17)
SOUTH AFRICA	15	4 (26.7)	374	90 (24.1)	1.15 (0.31–3.45)
UNITED KINGDOM	62	15 (24.2)	327	79 (24.2)	1.00 (0.52–1.85)
SWITZERLAND	38	9 (23.7)	351	85 (24.2)	0.97 (0.42–2.06)
BELGIUM	41	9 (22.0)	348	85 (24.4)	0.87 (0.38–1.83)
GERMANY	16	3 (18.8)	373	91 (24.4)	0.72 (0.16–2.28)
SENEGAL	16	3 (18.8)	373	91 (24.4)	0.72 (0.16–2.28)
NIGERIA	25	4 (16.0)	364	90 (24.7)	0.58 (0.17–1.57)
FRANCE	128	16 (12.5)	261	78 (29.9)	0.34 (0.18–0.59)
MALI	13	1 (7.7)	376	93 (24.7)	0.25 (0.01–1.31)
TANZANIA	14	1 (7.1)	375	93 (24.8)	0.23 (0.01–1.19)
BURKINA FASO	29	2 (6.9)	360	92 (25.6)	0.22 (0.03–0.74)
GHANA	17	1 (5.9)	372	93 (25.0)	0.19 (0.01–0.94)

BOTSWANA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
AUSTRALIA	10	5 (50.0)	366	58 (15.8)	5.31 (1.44–19.66)
SWEDEN	11	3 (27.3)	365	60 (16.4)	1.91 (0.41–6.80)
SOUTH AFRICA	83	17 (20.5)	293	46 (15.7)	1.38 (0.73–2.53)
UNITED KINGDOM	41	5 (12.2)	335	58 (17.3)	0.66 (0.22–1.62)
UNITED STATES OF AMERICA	253	34 (13.4)	123	29 (23.6)	0.50 (0.29–0.88)
CANADA	31	2 (6.5)	345	61 (17.7)	0.32 (0.05–1.11)

BURKINA FASO

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SPAIN	14	5 (35.7)	761	121 (15.9)	2.94 (0.89–8.66)
UNITED STATES OF AMERICA	205	52 (25.4)	570	74 (13.0)	2.28 (1.52–3.39)
CANADA	83	23 (27.7)	692	103 (14.9)	2.19 (1.28–3.66)
AUSTRALIA	21	6 (28.6)	754	120 (15.9)	2.11 (0.74–5.31)
SWITZERLAND	76	18 (23.7)	699	108 (15.5)	1.70 (0.94–2.94)
SOUTH AFRICA	43	8 (18.6)	732	118 (16.1)	1.19 (0.50–2.50)
SWEDEN	20	3 (15.0)	755	123 (16.3)	0.91 (0.21–2.75)
NIGERIA	21	3 (14.3)	754	123 (16.3)	0.86 (0.20–2.57)
ITALY	21	3 (14.3)	754	123 (16.3)	0.86 (0.20–2.57)
FRANCE	169	24 (14.2)	606	102 (16.8)	0.82 (0.50–1.30)
UNITED KINGDOM	143	19 (13.3)	632	107 (16.9)	0.75 (0.43–1.25)
BELGIUM	79	10 (12.7)	696	116 (16.7)	0.72 (0.34–1.39)
FINLAND	11	1 (9.1)	764	125 (16.4)	0.51 (0.03–2.70)
GERMANY	76	7 (9.2)	699	119 (17.0)	0.49 (0.20–1.03)
DENMARK	34	3 (8.8)	741	123 (16.6)	0.49 (0.12–1.39)
SENEGAL	56	5 (8.9)	719	121 (16.8)	0.48 (0.17–1.13)
TAIWAN	12	1 (8.3)	763	125 (16.4)	0.46 (0.03–2.42)
NETHERLANDS	40	3 (7.5)	735	123 (16.7)	0.40 (0.10–1.14)
BENIN	15	1 (6.7)	760	125 (16.4)	0.36 (0.02–1.83)
NORWAY	17	1 (5.9)	758	125 (16.5)	0.32 (0.02–1.57)
GHANA	46	2 (4.3)	729	124 (17.0)	0.22 (0.04–0.73)
UGANDA	28	1 (3.6)	747	125 (16.7)	0.18 (0.01–0.88)

MALI	29	1 (3.4)	746	125 (16.8)	0.18 (0.01–0.84)
KENYA	36	1 (2.8)	739	125 (16.9)	0.14 (0.01–0.66)

BURUNDI

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
AUSTRALIA	10	6 (60.0)	97	42 (43.3)	1.96 (0.53–8.10)
UNITED STATES OF AMERICA	38	20 (52.6)	69	28 (40.6)	1.63 (0.73–3.64)
UNITED KINGDOM	25	11 (44.0)	82	37 (45.1)	0.96 (0.38–2.35)
NETHERLANDS	10	3 (30.0)	97	45 (46.4)	0.50 (0.10–1.90)
BELGIUM	19	5 (26.3)	88	43 (48.9)	0.37 (0.11–1.07)
FRANCE	10	2 (20.0)	97	46 (47.4)	0.28 (0.04–1.18)
UGANDA	10	2 (20.0)	97	46 (47.4)	0.28 (0.04–1.18)

CAPE VERDE

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	14	10 (71.4)	33	15 (45.5)	3.00 (0.82–12.78)
PORTUGAL	21	13 (61.9)	26	12 (46.2)	1.90 (0.60–6.30)

CAMEROON

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SPAIN	18	9 (50.0)	1069	118 (11.0)	8.06 (3.09–21.03)
BRAZIL	15	7 (46.7)	1072	120 (11.2)	6.94 (2.39–19.67)
CANADA	56	18 (32.1)	1031	109 (10.6)	4.01 (2.17–7.17)
NETHERLANDS	24	8 (33.3)	1063	119 (11.2)	3.97 (1.58–9.22)
GERMANY	65	20 (30.8)	1022	107 (10.5)	3.80 (2.12–6.60)
SWEDEN	15	4 (26.7)	1072	123 (11.5)	2.81 (0.77–8.35)
AUSTRALIA	34	8 (23.5)	1053	119 (11.3)	2.41 (1.00–5.23)
UNITED STATES OF AMERICA	254	50 (19.7)	833	77 (9.2)	2.41 (1.63–3.54)
BELGIUM	55	9 (16.4)	1032	118 (11.4)	1.52 (0.68–3.03)
KENYA	23	3 (13.0)	1064	124 (11.7)	1.14 (0.27–3.38)

UNITED KINGDOM	132	16 (12.1)	955	111 (11.6)	1.05 (0.58–1.79)
FRANCE	188	22 (11.7)	899	105 (11.7)	1.00 (0.60–1.61)
ITALY	36	4 (11.1)	1051	123 (11.7)	0.94 (0.28–2.43)
SOUTH AFRICA	146	16 (11.0)	941	111 (11.8)	0.92 (0.51–1.56)
SWITZERLAND	74	8 (10.8)	1013	119 (11.7)	0.91 (0.40–1.84)
BENIN	20	2 (10.0)	1067	125 (11.7)	0.84 (0.13–2.95)
GHANA	29	2 (6.9)	1058	125 (11.8)	0.55 (0.09–1.87)
UGANDA	20	1 (5.0)	1067	126 (11.8)	0.39 (0.02–1.92)
BURKINA FASO	23	1 (4.3)	1064	126 (11.8)	0.34 (0.02–1.63)
NIGERIA	47	1 (2.1)	1040	126 (12.1)	0.16 (0.01–0.73)
SENEGAL	25	0 (0.0)	1062	127 (12.0)	0.00 (0.00–60064.10)

CENTRAL AFRICAN REPUBLIC

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	30	20 (66.7)	82	22 (26.8)	5.45 (2.26–13.93)
CANADA	14	9 (64.3)	98	33 (33.7)	3.55 (1.13–12.34)
UNITED KINGDOM	20	9 (45.0)	92	33 (35.9)	1.46 (0.54–3.90)
SWITZERLAND	10	4 (40.0)	102	38 (37.3)	1.12 (0.27–4.18)
FRANCE	48	11 (22.9)	64	31 (48.4)	0.32 (0.13–0.71)
CZECH REPUBLIC	10	1 (10.0)	102	41 (40.2)	0.17 (0.01–0.93)

CHAD

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	38	20 (52.6)	74	27 (36.5)	1.93 (0.88–4.32)
UNITED KINGDOM	24	11 (45.8)	88	36 (40.9)	1.22 (0.49–3.04)
FRANCE	30	11 (36.7)	82	36 (43.9)	0.74 (0.31–1.73)
SWITZERLAND	35	7 (20.0)	77	40 (51.9)	0.23 (0.08–0.57)

CÔTE D'IVOIRE

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	97	24 (24.7)	272	27 (9.9)	2.98 (1.62–5.49)
SOUTH AFRICA	17	5 (29.4)	352	46 (13.1)	2.77 (0.85–7.85)
CANADA	23	4 (17.4)	346	47 (13.6)	1.34 (0.38–3.75)
GERMANY	33	5 (15.2)	336	46 (13.7)	1.13 (0.37–2.84)
UNITED KINGDOM	38	5 (13.2)	331	46 (13.9)	0.94 (0.31–2.34)
BELGIUM	18	2 (11.1)	351	49 (14.0)	0.77 (0.12–2.82)
FRANCE	97	10 (10.3)	272	41 (15.1)	0.65 (0.30–1.30)
SWITZERLAND	88	5 (5.7)	281	46 (16.4)	0.31 (0.10–0.73)
BURKINA FASO	24	1 (4.2)	345	50 (14.5)	0.26 (0.01–1.26)
SENEGAL	29	1 (3.4)	340	50 (14.7)	0.21 (0.01–1.01)

DEMOCRATIC REPUBLIC OF THE CONGO

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
BRAZIL	10	8 (80.0)	762	153 (20.1)	15.92 (3.94–106.20)
UNITED STATES OF AMERICA	295	91 (30.8)	477	70 (14.7)	2.59 (1.82–3.70)
CANADA	38	13 (34.2)	734	148 (20.2)	2.06 (1.00–4.06)
ITALY	10	3 (30.0)	762	158 (20.7)	1.64 (0.35–5.97)
NETHERLANDS	34	10 (29.4)	738	151 (20.5)	1.62 (0.73–3.37)
UNITED KINGDOM	103	26 (25.2)	669	135 (20.2)	1.34 (0.81–2.14)
GERMANY	39	10 (25.6)	733	151 (20.6)	1.33 (0.60–2.70)
SWITZERLAND	75	19 (25.3)	697	142 (20.4)	1.33 (0.75–2.27)
AUSTRALIA	16	4 (25.0)	756	157 (20.8)	1.27 (0.35–3.71)
INDIA	16	4 (25.0)	756	157 (20.8)	1.27 (0.35–3.71)
REPUBLIC OF THE CONGO	24	5 (20.8)	748	156 (20.9)	1.00 (0.33–2.53)
SOUTH AFRICA	53	11 (20.8)	719	150 (20.9)	0.99 (0.48–1.91)
NORWAY	15	3 (20.0)	757	158 (20.9)	0.95 (0.21–3.03)
SWEDEN	15	3 (20.0)	757	158 (20.9)	0.95 (0.21–3.03)
GHANA	11	2 (18.2)	761	159 (20.9)	0.84 (0.13–3.30)
FRANCE	76	12 (15.8)	696	149 (21.4)	0.69 (0.35–1.26)
BURKINA FASO	14	2 (14.3)	758	159 (21.0)	0.63 (0.10–2.33)

BENIN	12	1 (8.3)	760	160 (21.1)	0.34 (0.02–1.77)
BELGIUM	173	16 (9.2)	599	145 (24.2)	0.32 (0.18–0.54)
GABON	14	1 (7.1)	758	160 (21.1)	0.29 (0.02–1.46)
CAMEROON	16	1 (6.2)	756	160 (21.2)	0.25 (0.01–1.24)
NIGERIA	18	1 (5.6)	754	160 (21.2)	0.22 (0.01–1.08)
UGANDA	28	1 (3.6)	744	160 (21.5)	0.14 (0.01–0.64)
KENYA	36	1 (2.8)	736	160 (21.7)	0.10 (0.01–0.48)

DJIBOUTI

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	20	11 (55.0)	29	11 (37.9)	2.00 (0.63–6.53)
UNITED KINGDOM	11	6 (54.5)	38	16 (42.1)	1.65 (0.43–6.66)
FRANCE	12	4 (33.3)	37	18 (48.6)	0.53 (0.12–1.99)

EQUATORIAL GUINEA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	13	6 (46.2)	35	6 (17.1)	4.14 (1.02–17.56)
SPAIN	25	3 (12.0)	23	9 (39.1)	0.21 (0.04–0.85)

ERITREA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	11	7 (63.6)	56	34 (60.7)	1.13 (0.30–4.74)

ESWATINI

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
CANADA	15	6 (40.0)	168	61 (36.3)	1.17 (0.38–3.40)
SOUTH AFRICA	66	23 (34.8)	117	44 (37.6)	0.89 (0.47–1.66)
UNITED KINGDOM	33	11 (33.3)	150	56 (37.3)	0.84 (0.37–1.83)

UNITED STATES OF AMERICA	86	27 (31.4)	97	40 (41.2)	0.65 (0.35–1.19)
SWITZERLAND	20	3 (15.0)	163	64 (39.3)	0.27 (0.06–0.85)
KENYA	15	1 (6.7)	168	66 (39.3)	0.11 (0.01–0.57)

ETHIOPIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SOUTH KOREA	26	17 (65.4)	3161	377 (11.9)	13.95 (6.31–32.95)
ISRAEL	54	32 (59.3)	3133	362 (11.6)	11.13 (6.44–19.61)
BRAZIL	16	6 (37.5)	3171	388 (12.2)	4.30 (1.46–11.66)
UNITED STATES OF AMERICA	730	188 (25.8)	2457	206 (8.4)	3.79 (3.04–4.72)
IRELAND	12	4 (33.3)	3175	390 (12.3)	3.57 (0.95–11.39)
PERU	16	5 (31.2)	3171	389 (12.3)	3.25 (1.02–8.99)
FRANCE	41	12 (29.3)	3146	382 (12.1)	2.99 (1.46–5.77)
SWITZERLAND	80	22 (27.5)	3107	372 (12.0)	2.79 (1.65–4.54)
BANGLADESH	11	3 (27.3)	3176	391 (12.3)	2.67 (0.58–9.28)
SAUDI ARABIA	11	3 (27.3)	3176	391 (12.3)	2.67 (0.58–9.28)
BOTSWANA	11	3 (27.3)	3176	391 (12.3)	2.67 (0.58–9.28)
JAPAN	15	4 (26.7)	3172	390 (12.3)	2.59 (0.72–7.63)
SOUTH AFRICA	132	32 (24.2)	3055	362 (11.8)	2.38 (1.55–3.56)
ITALY	35	8 (22.9)	3152	386 (12.2)	2.12 (0.90–4.50)
AUSTRALIA	121	25 (20.7)	3066	369 (12.0)	1.90 (1.19–2.95)
CANADA	119	23 (19.3)	3068	371 (12.1)	1.74 (1.07–2.73)
CHINA	18	3 (16.7)	3169	391 (12.3)	1.42 (0.33–4.33)
UNITED KINGDOM	371	58 (15.6)	2816	336 (11.9)	1.37 (1.00–1.84)
SPAIN	44	7 (15.9)	3143	387 (12.3)	1.35 (0.55–2.86)
SWEDEN	92	14 (15.2)	3095	380 (12.3)	1.28 (0.69–2.22)
GERMANY	119	18 (15.1)	3068	376 (12.3)	1.28 (0.74–2.08)
NORWAY	128	19 (14.8)	3059	375 (12.3)	1.25 (0.74–2.01)
TANZANIA	30	4 (13.3)	3157	390 (12.4)	1.09 (0.32–2.82)
NIGERIA	51	6 (11.8)	3136	388 (12.4)	0.94 (0.36–2.06)
NEPAL	18	2 (11.1)	3169	392 (12.4)	0.89 (0.14–3.13)
DENMARK	38	4 (10.5)	3149	390 (12.4)	0.83 (0.25–2.10)
INDIA	48	5 (10.4)	3139	389 (12.4)	0.82 (0.28–1.90)
VIETNAM	10	1 (10.0)	3177	393 (12.4)	0.79 (0.04–4.20)
NETHERLANDS	145	14 (9.7)	3042	380 (12.5)	0.75 (0.41–1.27)

BELGIUM	109	10 (9.2)	3078	384 (12.5)	0.71 (0.34–1.30)
DEMOCRATIC REPUBLIC OF THE CONGO	11	1 (9.1)	3176	393 (12.4)	0.71 (0.04–3.71)
ZIMBABWE	13	1 (7.7)	3174	393 (12.4)	0.59 (0.03–3.00)
KENYA	69	5 (7.2)	3118	389 (12.5)	0.55 (0.19–1.24)
SENEGAL	15	1 (6.7)	3172	393 (12.4)	0.51 (0.03–2.52)
GHANA	29	1 (3.4)	3158	393 (12.4)	0.25 (0.01–1.18)

GABON

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
NETHERLANDS	37	10 (27.0)	167	19 (11.4)	2.88 (1.18–6.79)
UNITED STATES OF AMERICA	43	9 (20.9)	161	20 (12.4)	1.87 (0.75–4.37)
SOUTH AFRICA	11	2 (18.2)	193	27 (14.0)	1.37 (0.20–5.67)
UNITED KINGDOM	20	2 (10.0)	184	27 (14.7)	0.65 (0.10–2.42)
SPAIN	15	1 (6.7)	189	28 (14.8)	0.41 (0.02–2.17)
FRANCE	62	3 (4.8)	142	26 (18.3)	0.23 (0.05–0.68)
GERMANY	69	3 (4.3)	135	26 (19.3)	0.19 (0.04–0.57)

THE GAMBIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	93	19 (20.4)	203	20 (9.9)	2.35 (1.18–4.67)
AUSTRALIA	25	6 (24.0)	271	33 (12.2)	2.28 (0.78–5.84)
GERMANY	14	3 (21.4)	282	36 (12.8)	1.86 (0.41–6.31)
CANADA	13	2 (15.4)	283	37 (13.1)	1.21 (0.18–4.73)
SOUTH AFRICA	21	3 (14.3)	275	36 (13.1)	1.11 (0.25–3.48)
SWITZERLAND	17	2 (11.8)	279	37 (13.3)	0.87 (0.13–3.26)
KENYA	18	2 (11.1)	278	37 (13.3)	0.81 (0.13–3.02)
SPAIN	10	1 (10.0)	286	38 (13.3)	0.73 (0.04–4.02)
NIGERIA	11	1 (9.1)	285	38 (13.3)	0.65 (0.03–3.54)
FRANCE	22	2 (9.1)	274	37 (13.5)	0.64 (0.10–2.32)
JAPAN	12	1 (8.3)	284	38 (13.4)	0.59 (0.03–3.16)
SENEGAL	14	1 (7.1)	282	38 (13.5)	0.49 (0.03–2.59)
BURKINA FASO	18	1 (5.6)	278	38 (13.7)	0.37 (0.02–1.89)

GHANA	18	1 (5.6)	278	38 (13.7)	0.37 (0.02–1.89)
NETHERLANDS	23	1 (4.3)	273	38 (13.9)	0.28 (0.02–1.40)
UNITED KINGDOM	199	14 (7.0)	97	25 (25.8)	0.22 (0.10–0.44)
BELGIUM	48	0 (0.0)	248	39 (15.7)	0.00 (0.00–496238069348.42)

GHANA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
ITALY	24	16 (66.7)	2200	387 (17.6)	9.37 (4.09–23.25)
SPAIN	42	21 (50.0)	2182	382 (17.5)	4.71 (2.54–8.75)
IRELAND	15	7 (46.7)	2209	396 (17.9)	4.01 (1.40–11.22)
SWEDEN	37	17 (45.9)	2187	386 (17.6)	3.97 (2.04–7.64)
CANADA	130	56 (43.1)	2094	347 (16.6)	3.81 (2.63–5.48)
BRAZIL	19	8 (42.1)	2205	395 (17.9)	3.33 (1.28–8.29)
BELGIUM	32	13 (40.6)	2192	390 (17.8)	3.16 (1.51–6.40)
NEW ZEALAND	10	4 (40.0)	2214	399 (18.0)	3.03 (0.77–10.67)
AUSTRALIA	127	48 (37.8)	2097	355 (16.9)	2.98 (2.03–4.33)
HONG KONG	17	6 (35.3)	2207	397 (18.0)	2.49 (0.85–6.58)
NORWAY	29	9 (31.0)	2195	394 (17.9)	2.06 (0.88–4.42)
THAILAND	10	3 (30.0)	2214	400 (18.1)	1.94 (0.42–7.02)
FINLAND	38	11 (28.9)	2186	392 (17.9)	1.86 (0.88–3.69)
FRANCE	35	10 (28.6)	2189	393 (18.0)	1.83 (0.83–3.73)
UNITED STATES OF AMERICA	728	168 (23.1)	1496	235 (15.7)	1.61 (1.29–2.01)
CHINA	40	9 (22.5)	2184	394 (18.0)	1.32 (0.59–2.68)
UNITED KINGDOM	374	78 (20.9)	1850	325 (17.6)	1.24 (0.93–1.62)
MEXICO	15	3 (20.0)	2209	400 (18.1)	1.13 (0.26–3.58)
NETHERLANDS	187	37 (19.8)	2037	366 (18.0)	1.13 (0.76–1.62)
SWITZERLAND	166	31 (18.7)	2058	372 (18.1)	1.04 (0.68–1.54)
INDIA	32	5 (15.6)	2192	398 (18.2)	0.83 (0.28–2.00)
MALAYSIA	13	2 (15.4)	2211	401 (18.1)	0.82 (0.13–3.07)
DENMARK	73	11 (15.1)	2151	392 (18.2)	0.80 (0.39–1.46)
JAPAN	40	6 (15.0)	2184	397 (18.2)	0.79 (0.30–1.77)
SOUTH AFRICA	175	23 (13.1)	2049	380 (18.5)	0.66 (0.41–1.02)
GERMANY	176	20 (11.4)	2048	383 (18.7)	0.56 (0.34–0.88)
VIETNAM	10	1 (10.0)	2214	402 (18.2)	0.50 (0.03–2.68)
TANZANIA	40	3 (7.5)	2184	400 (18.3)	0.36 (0.09–1.01)
THE GAMBIA	15	1 (6.7)	2209	402 (18.2)	0.32 (0.02–1.60)

KENYA	55	3 (5.5)	2169	400 (18.4)	0.26 (0.06–0.70)
SOUTH KOREA	19	1 (5.3)	2205	402 (18.2)	0.25 (0.01–1.21)
BURKINA FASO	40	2 (5.0)	2184	401 (18.4)	0.23 (0.04–0.77)
NIGERIA	60	3 (5.0)	2164	400 (18.5)	0.23 (0.06–0.63)
UGANDA	119	1 (0.8)	2105	402 (19.1)	0.04 (0.00–0.16)

GUINEA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
AUSTRALIA	14	10 (71.4)	306	114 (37.3)	4.21 (1.37–15.63)
SWEDEN	22	12 (54.5)	298	112 (37.6)	1.99 (0.83–4.87)
SPAIN	11	6 (54.5)	309	118 (38.2)	1.94 (0.57–6.87)
UNITED STATES OF AMERICA	117	55 (47.0)	203	69 (34.0)	1.72 (1.08–2.75)
CANADA	24	12 (50.0)	296	112 (37.8)	1.64 (0.71–3.82)
ITALY	16	7 (43.8)	304	117 (38.5)	1.24 (0.43–3.43)
SOUTH AFRICA	23	8 (34.8)	297	116 (39.1)	0.83 (0.33–1.98)
GERMANY	28	8 (28.6)	292	116 (39.7)	0.61 (0.24–1.38)
GHANA	11	3 (27.3)	309	121 (39.2)	0.58 (0.13–2.06)
UNITED KINGDOM	61	17 (27.9)	259	107 (41.3)	0.55 (0.29–1.00)
NIGERIA	12	3 (25.0)	308	121 (39.3)	0.52 (0.11–1.77)
FRANCE	103	27 (26.2)	217	97 (44.7)	0.44 (0.26–0.73)
SWITZERLAND	55	12 (21.8)	265	112 (42.3)	0.38 (0.18–0.73)
BURKINA FASO	15	3 (20.0)	305	121 (39.7)	0.38 (0.09–1.23)
SENEGAL	28	4 (14.3)	292	120 (41.1)	0.24 (0.07–0.64)
CÔTE D'IVOIRE	16	2 (12.5)	304	122 (40.1)	0.21 (0.03–0.78)
JAPAN	10	1 (10.0)	310	123 (39.7)	0.17 (0.01–0.92)
BELGIUM	48	5 (10.4)	272	119 (43.8)	0.15 (0.05–0.36)
MALI	14	1 (7.1)	306	123 (40.2)	0.11 (0.01–0.59)

GUINEA-BISSAU

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
PORTUGAL	24	17 (70.8)	134	14 (10.4)	20.82 (7.67–62.57)
GERMANY	13	6 (46.2)	145	25 (17.2)	4.11 (1.23–13.44)
UNITED STATES OF AMERICA	28	9 (32.1)	130	22 (16.9)	2.33 (0.90–5.73)

NETHERLANDS	10	3 (30.0)	148	28 (18.9)	1.84 (0.38–7.07)
UNITED KINGDOM	31	6 (19.4)	127	25 (19.7)	0.98 (0.34–2.52)
SWEDEN	19	2 (10.5)	139	29 (20.9)	0.45 (0.07–1.68)
AUSTRALIA	11	1 (9.1)	147	30 (20.4)	0.39 (0.02–2.16)
DENMARK	92	3 (3.3)	66	28 (42.4)	0.05 (0.01–0.14)

KENYA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
GREECE	19	9 (47.4)	3008	476 (15.8)	4.79 (1.89–11.94)
SPAIN	36	13 (36.1)	2991	472 (15.8)	3.02 (1.48–5.91)
AUSTRALIA	78	23 (29.5)	2949	462 (15.7)	2.25 (1.35–3.65)
ITALY	42	10 (23.8)	2985	475 (15.9)	1.65 (0.77–3.26)
CANADA	211	45 (21.3)	2816	440 (15.6)	1.46 (1.03–2.05)
NORWAY	19	4 (21.1)	3008	481 (16.0)	1.40 (0.40–3.88)
UNITED STATES OF AMERICA	1749	309 (17.7)	1278	176 (13.8)	1.34 (1.10–1.65)
SWITZERLAND	156	29 (18.6)	2871	456 (15.9)	1.21 (0.78–1.81)
DENMARK	38	7 (18.4)	2989	478 (16.0)	1.19 (0.48–2.56)
JAPAN	54	9 (16.7)	2973	476 (16.0)	1.05 (0.48–2.06)
PORTUGAL	12	2 (16.7)	3015	483 (16.0)	1.05 (0.16–3.99)
INDIA	68	11 (16.2)	2959	474 (16.0)	1.01 (0.50–1.87)
CHINA	31	5 (16.1)	2996	480 (16.0)	1.01 (0.34–2.43)
PHILIPPINES	13	2 (15.4)	3014	483 (16.0)	0.95 (0.15–3.56)
FINLAND	13	2 (15.4)	3014	483 (16.0)	0.95 (0.15–3.56)
SWEDEN	98	15 (15.3)	2929	470 (16.0)	0.95 (0.52–1.60)
BRAZIL	20	3 (15.0)	3007	482 (16.0)	0.92 (0.22–2.76)
GERMANY	102	15 (14.7)	2925	470 (16.1)	0.90 (0.50–1.52)
NETHERLANDS	169	24 (14.2)	2858	461 (16.1)	0.86 (0.54–1.32)
SOUTH AFRICA	253	34 (13.4)	2774	451 (16.3)	0.80 (0.54–1.15)
UNITED KINGDOM	706	96 (13.6)	2321	389 (16.8)	0.78 (0.61–0.99)
BELGIUM	95	12 (12.6)	2932	473 (16.1)	0.75 (0.39–1.33)
COLOMBIA	16	2 (12.5)	3011	483 (16.0)	0.75 (0.12–2.69)
FRANCE	65	7 (10.8)	2962	478 (16.1)	0.63 (0.26–1.29)
UNITED ARAB EMIRATES	10	1 (10.0)	3017	484 (16.0)	0.58 (0.03–3.10)
BANGLADESH	20	2 (10.0)	3007	483 (16.1)	0.58 (0.09–2.02)
NEW ZEALAND	21	2 (9.5)	3006	483 (16.1)	0.55 (0.09–1.90)

SENEGAL	22	2 (9.1)	3005	483 (16.1)	0.52 (0.08–1.80)
ETHIOPIA	46	4 (8.7)	2981	481 (16.1)	0.50 (0.15–1.23)
PERU	13	1 (7.7)	3014	484 (16.1)	0.44 (0.02–2.22)
AUSTRIA	13	1 (7.7)	3014	484 (16.1)	0.44 (0.02–2.22)
THAILAND	28	2 (7.1)	2999	483 (16.1)	0.40 (0.06–1.35)
GABON	17	1 (5.9)	3010	484 (16.1)	0.33 (0.02–1.60)
NIGERIA	41	2 (4.9)	2986	483 (16.2)	0.27 (0.04–0.87)
THE GAMBIA	21	1 (4.8)	3006	484 (16.1)	0.26 (0.01–1.25)
BURKINA FASO	30	1 (3.3)	2997	484 (16.1)	0.18 (0.01–0.84)
RWANDA	30	1 (3.3)	2997	484 (16.1)	0.18 (0.01–0.84)
MOZAMBIQUE	30	1 (3.3)	2997	484 (16.1)	0.18 (0.01–0.84)
TANZANIA	107	3 (2.8)	2920	482 (16.5)	0.15 (0.04–0.39)
ZIMBABWE	38	1 (2.6)	2989	484 (16.2)	0.14 (0.01–0.65)
UGANDA	144	3 (2.1)	2883	482 (16.7)	0.11 (0.03–0.28)
GHANA	52	1 (1.9)	2975	484 (16.3)	0.10 (0.01–0.46)
DEMOCRATIC REPUBLIC OF THE CONGO	25	0 (0.0)	3002	485 (16.2)	0.00 (0.00–4.99)
MALI	26	0 (0.0)	3001	485 (16.2)	0.00 (0.00–2.94)
PAKISTAN	27	0 (0.0)	3000	485 (16.2)	0.00 (0.00–1.80)
MALAWI	46	0 (0.0)	2981	485 (16.3)	0.00 (0.00–1.15)
ZAMBIA	62	0 (0.0)	2965	485 (16.4)	0.00 (0.00–0.04)

LESOTHO

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED KINGDOM	16	12 (75.0)	104	44 (42.3)	4.09 (1.33–15.41)
CANADA	15	8 (53.3)	105	48 (45.7)	1.36 (0.46–4.13)
UNITED STATES OF AMERICA	61	29 (47.5)	59	27 (45.8)	1.07 (0.52–2.21)
SOUTH AFRICA	36	13 (36.1)	84	43 (51.2)	0.54 (0.24–1.19)

LIBERIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
CHINA	10	9 (90.0)	274	126 (46.0)	10.57 (1.95–196.29)

AUSTRALIA	11	9 (81.8)	273	126 (46.2)	5.25 (1.32–34.85)
SOUTH AFRICA	10	7 (70.0)	274	128 (46.7)	2.66 (0.72–12.54)
SWEDEN	10	7 (70.0)	274	128 (46.7)	2.66 (0.72–12.54)
KENYA	11	5 (45.5)	273	130 (47.6)	0.92 (0.26–3.11)
BELGIUM	11	4 (36.4)	273	131 (48.0)	0.62 (0.16–2.10)
CANADA	17	6 (35.3)	267	129 (48.3)	0.58 (0.20–1.58)
UNITED STATES OF AMERICA	194	83 (42.8)	90	52 (57.8)	0.55 (0.33–0.90)
UNITED KINGDOM	51	17 (33.3)	233	118 (50.6)	0.49 (0.25–0.91)
UGANDA	10	3 (30.0)	274	132 (48.2)	0.46 (0.10–1.70)
SWITZERLAND	41	13 (31.7)	243	122 (50.2)	0.46 (0.22–0.91)
GERMANY	18	5 (27.8)	266	130 (48.9)	0.40 (0.13–1.10)
NIGERIA	13	3 (23.1)	271	132 (48.7)	0.32 (0.07–1.06)
FRANCE	17	2 (11.8)	267	133 (49.8)	0.13 (0.02–0.49)

MADAGASCAR

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
CANADA	13	6 (46.2)	302	74 (24.5)	2.64 (0.83–8.19)
UNITED STATES OF AMERICA	119	41 (34.5)	196	39 (19.9)	2.12 (1.26–3.55)
BELGIUM	13	4 (30.8)	302	76 (25.2)	1.32 (0.35–4.18)
ITALY	11	3 (27.3)	304	77 (25.3)	1.11 (0.24–3.93)
SOUTH AFRICA	21	5 (23.8)	294	75 (25.5)	0.91 (0.29–2.42)
AUSTRALIA	13	3 (23.1)	302	77 (25.5)	0.88 (0.19–2.95)
SWITZERLAND	22	5 (22.7)	293	75 (25.6)	0.85 (0.27–2.25)
UNITED KINGDOM	46	9 (19.6)	269	71 (26.4)	0.68 (0.29–1.42)
FRANCE	82	15 (18.3)	233	65 (27.9)	0.58 (0.30–1.06)
GERMANY	29	4 (13.8)	286	76 (26.6)	0.44 (0.13–1.18)
GHANA	11	1 (9.1)	304	79 (26.0)	0.28 (0.02–1.52)
KENYA	15	1 (6.7)	300	79 (26.3)	0.20 (0.01–1.02)

MALAWI

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
CHINA	10	5 (50.0)	1509	274 (18.2)	4.51 (1.25–16.31)
BELGIUM	24	7 (29.2)	1495	272 (18.2)	1.85 (0.71–4.34)

SWEDEN	16	4 (25.0)	1503	275 (18.3)	1.49 (0.41–4.31)
BRAZIL	12	3 (25.0)	1507	276 (18.3)	1.49 (0.33–5.02)
JAPAN	12	3 (25.0)	1507	276 (18.3)	1.49 (0.33–5.02)
NETHERLANDS	66	15 (22.7)	1453	264 (18.2)	1.32 (0.71–2.33)
CANADA	84	19 (22.6)	1435	260 (18.1)	1.32 (0.76–2.20)
UNITED STATES OF AMERICA	788	147 (18.7)	731	132 (18.1)	1.04 (0.80–1.35)
SWITZERLAND	74	13 (17.6)	1445	266 (18.4)	0.94 (0.49–1.69)
SOUTH AFRICA	208	35 (16.8)	1311	244 (18.6)	0.88 (0.59–1.29)
GHANA	25	4 (16.0)	1494	275 (18.4)	0.84 (0.24–2.24)
ITALY	41	6 (14.6)	1478	273 (18.5)	0.76 (0.28–1.69)
GERMANY	48	7 (14.6)	1471	272 (18.5)	0.75 (0.31–1.59)
NAMIBIA	16	2 (12.5)	1503	277 (18.4)	0.63 (0.10–2.28)
FRANCE	68	8 (11.8)	1451	271 (18.7)	0.58 (0.25–1.16)
AUSTRALIA	46	5 (10.9)	1473	274 (18.6)	0.53 (0.18–1.24)
UNITED KINGDOM	519	63 (12.1)	1000	216 (21.6)	0.50 (0.37–0.68)
THAILAND	10	1 (10.0)	1509	278 (18.4)	0.49 (0.03–2.63)
NIGERIA	20	2 (10.0)	1499	277 (18.5)	0.49 (0.08–1.71)
NORWAY	41	4 (9.8)	1478	275 (18.6)	0.47 (0.14–1.19)
IRELAND	32	3 (9.4)	1487	276 (18.6)	0.45 (0.11–1.29)
BANGLADESH	11	1 (9.1)	1508	278 (18.4)	0.44 (0.02–2.32)
THE GAMBIA	12	1 (8.3)	1507	278 (18.4)	0.40 (0.02–2.08)
UGANDA	63	5 (7.9)	1456	274 (18.8)	0.37 (0.13–0.85)
BURKINA FASO	13	1 (7.7)	1506	278 (18.5)	0.37 (0.02–1.88)
SINGAPORE	13	1 (7.7)	1506	278 (18.5)	0.37 (0.02–1.88)
KENYA	76	6 (7.9)	1443	273 (18.9)	0.37 (0.14–0.79)
TANZANIA	38	2 (5.3)	1481	277 (18.7)	0.24 (0.04–0.80)
ZAMBIA	40	2 (5.0)	1479	277 (18.7)	0.23 (0.04–0.75)
FINLAND	61	3 (4.9)	1458	276 (18.9)	0.22 (0.05–0.60)
ZIMBABWE	54	2 (3.7)	1465	277 (18.9)	0.16 (0.03–0.53)

MALI

Author affiliation country	Articles with ≥1 Affiliation, n	Parasitism in Articles with ≥1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
ITALY	11	4 (36.4)	439	105 (23.9)	1.82 (0.47–6.14)
AUSTRALIA	14	5 (35.7)	436	104 (23.9)	1.77 (0.53–5.25)
SPAIN	12	4 (33.3)	438	105 (24.0)	1.59 (0.42–5.14)
SWITZERLAND	44	12 (27.3)	406	97 (23.9)	1.19 (0.57–2.35)

CANADA	46	11 (23.9)	404	98 (24.3)	0.98 (0.46–1.95)
UNITED STATES OF AMERICA	227	54 (23.8)	223	55 (24.7)	0.95 (0.62–1.47)
INDIA	10	2 (20.0)	440	107 (24.3)	0.78 (0.12–3.16)
UNITED KINGDOM	89	16 (18.0)	361	93 (25.8)	0.63 (0.34–1.11)
SOUTH AFRICA	24	4 (16.7)	426	105 (24.6)	0.61 (0.17–1.66)
FRANCE	107	19 (17.8)	343	90 (26.2)	0.61 (0.34–1.03)
GERMANY	20	3 (15.0)	430	106 (24.7)	0.54 (0.12–1.64)
NETHERLANDS	23	3 (13.0)	427	106 (24.8)	0.45 (0.11–1.36)
KENYA	25	3 (12.0)	425	106 (24.9)	0.41 (0.10–1.21)
BELGIUM	27	3 (11.1)	423	106 (25.1)	0.37 (0.09–1.10)
DENMARK	10	1 (10.0)	440	108 (24.5)	0.34 (0.02–1.85)
MAR	10	1 (10.0)	440	108 (24.5)	0.34 (0.02–1.85)
NIGERIA	11	1 (9.1)	439	108 (24.6)	0.31 (0.02–1.63)
GHANA	12	1 (8.3)	438	108 (24.7)	0.28 (0.02–1.45)
BENIN	12	1 (8.3)	438	108 (24.7)	0.28 (0.02–1.45)
BURKINA FASO	39	2 (5.1)	411	107 (26.0)	0.15 (0.02–0.51)

MAURITANIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	17	11 (64.7)	47	11 (23.4)	6.00 (1.86–21.20)
UNITED KINGDOM	14	6 (42.9)	50	16 (32.0)	1.59 (0.46–5.37)
FRANCE	23	5 (21.7)	41	17 (41.5)	0.39 (0.11–1.20)
SENEGAL	16	1 (6.2)	48	21 (43.8)	0.09 (0.00–0.48)

MAURITIUS

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	22	13 (59.1)	41	7 (17.1)	7.02 (2.24–24.08)
UNITED KINGDOM	13	7 (53.8)	50	13 (26.0)	3.32 (0.94–12.17)
CANADA	10	4 (40.0)	53	16 (30.2)	1.54 (0.35–6.16)
SOUTH AFRICA	10	1 (10.0)	53	19 (35.8)	0.20 (0.01–1.18)

MOZAMBIQUE

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
IRELAND	10	6 (60.0)	651	127 (19.5)	6.19 (1.74–24.51)
BRAZIL	50	15 (30.0)	611	118 (19.3)	1.79 (0.92–3.33)
UNITED KINGDOM	98	27 (27.6)	563	106 (18.8)	1.64 (0.99–2.65)
UNITED STATES OF AMERICA	296	71 (24.0)	365	62 (17.0)	1.54 (1.05–2.26)
SWITZERLAND	46	10 (21.7)	615	123 (20.0)	1.11 (0.51–2.22)
SOUTH AFRICA	88	19 (21.6)	573	114 (19.9)	1.11 (0.63–1.88)
CANADA	29	6 (20.7)	632	127 (20.1)	1.04 (0.38–2.45)
AUSTRALIA	21	4 (19.0)	640	129 (20.2)	0.93 (0.26–2.57)
BURKINA FASO	11	2 (18.2)	650	131 (20.2)	0.88 (0.13–3.47)
FINLAND	12	2 (16.7)	649	131 (20.2)	0.79 (0.12–3.05)
INDIA	18	3 (16.7)	643	130 (20.2)	0.79 (0.18–2.44)
ITALY	26	4 (15.4)	635	129 (20.3)	0.71 (0.21–1.90)
PORTUGAL	46	7 (15.2)	615	126 (20.5)	0.70 (0.28–1.50)
TANZANIA	27	3 (11.1)	634	130 (20.5)	0.48 (0.11–1.41)
NETHERLANDS	37	4 (10.8)	624	129 (20.7)	0.47 (0.14–1.20)
UGANDA	21	2 (9.5)	640	131 (20.5)	0.41 (0.06–1.43)
SWEDEN	22	2 (9.1)	639	131 (20.5)	0.39 (0.06–1.35)
ZAMBIA	14	1 (7.1)	647	132 (20.4)	0.30 (0.02–1.53)
FRANCE	29	2 (6.9)	632	131 (20.7)	0.28 (0.05–0.96)
GERMANY	20	1 (5.0)	641	132 (20.6)	0.20 (0.01–0.99)
KENYA	38	1 (2.6)	623	132 (21.2)	0.10 (0.01–0.47)
SPAIN	104	3 (2.9)	557	130 (23.3)	0.10 (0.02–0.26)
BELGIUM	44	1 (2.3)	617	132 (21.4)	0.09 (0.00–0.40)

NAMIBIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SWITZERLAND	12	7 (58.3)	187	84 (44.9)	1.72 (0.53–5.98)
CANADA	16	9 (56.2)	183	82 (44.8)	1.58 (0.57–4.60)
UNITED STATES OF AMERICA	105	50 (47.6)	94	41 (43.6)	1.18 (0.67–2.06)

UNITED KINGDOM	43	19 (44.2)	156	72 (46.2)	0.92 (0.46–1.82)
SWEDEN	12	5 (41.7)	187	86 (46.0)	0.84 (0.24–2.72)
GERMANY	12	5 (41.7)	187	86 (46.0)	0.84 (0.24–2.72)
SOUTH AFRICA	41	14 (34.1)	158	77 (48.7)	0.55 (0.26–1.10)
KENYA	14	4 (28.6)	185	87 (47.0)	0.45 (0.12–1.40)
NETHERLANDS	14	3 (21.4)	185	88 (47.6)	0.30 (0.07–1.00)
UGANDA	10	1 (10.0)	189	90 (47.6)	0.12 (0.01–0.67)

NIGER

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
AUSTRALIA	10	5 (50.0)	205	69 (33.7)	1.97 (0.53–7.31)
SWITZERLAND	32	13 (40.6)	183	61 (33.3)	1.37 (0.62–2.93)
UNITED STATES OF AMERICA	116	43 (37.1)	99	31 (31.3)	1.29 (0.73–2.29)
CANADA	14	4 (28.6)	201	70 (34.8)	0.75 (0.20–2.33)
UNITED KINGDOM	45	12 (26.7)	170	62 (36.5)	0.63 (0.30–1.29)
BELGIUM	16	4 (25.0)	199	70 (35.2)	0.61 (0.17–1.84)
SOUTH AFRICA	20	5 (25.0)	195	69 (35.4)	0.61 (0.19–1.65)
SENEGAL	17	4 (23.5)	198	70 (35.4)	0.56 (0.15–1.66)
FRANCE	50	12 (24.0)	165	62 (37.6)	0.52 (0.25–1.05)
NIGERIA	19	3 (15.8)	196	71 (36.2)	0.33 (0.07–1.03)
BURKINA FASO	20	3 (15.0)	195	71 (36.4)	0.31 (0.07–0.96)
KENYA	11	1 (9.1)	204	73 (35.8)	0.18 (0.01–0.96)
MALI	14	1 (7.1)	201	73 (36.3)	0.13 (0.01–0.70)

NIGERIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SOUTH KOREA	11	9 (81.8)	3612	415 (11.5)	34.67 (8.90–227.90)
SPAIN	36	17 (47.2)	3587	407 (11.3)	6.99 (3.57–13.58)
CANADA	86	31 (36.0)	3537	393 (11.1)	4.51 (2.84–7.04)
MEXICO	14	5 (35.7)	3609	419 (11.6)	4.23 (1.29–12.30)
MALAYSIA	26	9 (34.6)	3597	415 (11.5)	4.06 (1.72–8.96)
BRAZIL	36	12 (33.3)	3587	412 (11.5)	3.85 (1.85–7.61)
ITALY	18	6 (33.3)	3605	418 (11.6)	3.81 (1.32–9.87)

UNITED STATES OF AMERICA	855	203 (23.7)	2768	221 (8.0)	3.59 (2.91–4.42)
AUSTRALIA	102	31 (30.4)	3521	393 (11.2)	3.48 (2.22–5.32)
UNITED KINGDOM	462	110 (23.8)	3161	314 (9.9)	2.83 (2.21–3.61)
NETHERLANDS	82	21 (25.6)	3541	403 (11.4)	2.68 (1.58–4.38)
LUXEMBOURG	12	3 (25.0)	3611	421 (11.7)	2.53 (0.56–8.50)
ZAMBIA	14	3 (21.4)	3609	421 (11.7)	2.07 (0.47–6.64)
INDIA	62	13 (21.0)	3561	411 (11.5)	2.03 (1.05–3.67)
FRANCE	59	12 (20.3)	3564	412 (11.6)	1.95 (0.98–3.59)
KENYA	61	12 (19.7)	3562	412 (11.6)	1.87 (0.94–3.43)
SWEDEN	57	11 (19.3)	3566	413 (11.6)	1.83 (0.89–3.42)
DENMARK	16	3 (18.8)	3607	421 (11.7)	1.75 (0.40–5.44)
FINLAND	11	2 (18.2)	3612	422 (11.7)	1.68 (0.26–6.54)
SAUDI ARABIA	17	3 (17.6)	3606	421 (11.7)	1.62 (0.37–4.99)
SWITZERLAND	142	24 (16.9)	3481	400 (11.5)	1.57 (0.98–2.42)
SOUTH AFRICA	258	43 (16.7)	3365	381 (11.3)	1.57 (1.10–2.19)
DEMOCRATIC REPUBLIC OF THE CONGO	13	2 (15.4)	3610	422 (11.7)	1.37 (0.21–5.14)
BELGIUM	33	4 (12.1)	3590	420 (11.7)	1.04 (0.31–2.66)
CHINA	48	5 (10.4)	3575	419 (11.7)	0.88 (0.30–2.02)
JAPAN	20	2 (10.0)	3603	422 (11.7)	0.84 (0.13–2.91)
GERMANY	70	7 (10.0)	3553	417 (11.7)	0.84 (0.35–1.71)
MOZAMBIQUE	11	1 (9.1)	3612	423 (11.7)	0.75 (0.04–3.95)
BOTSWANA	11	1 (9.1)	3612	423 (11.7)	0.75 (0.04–3.95)
PAKISTAN	11	1 (9.1)	3612	423 (11.7)	0.75 (0.04–3.95)
AUSTRIA	11	1 (9.1)	3612	423 (11.7)	0.75 (0.04–3.95)
GHANA	68	5 (7.4)	3555	419 (11.8)	0.59 (0.21–1.34)
TANZANIA	28	2 (7.1)	3595	422 (11.7)	0.58 (0.09–1.94)
BURKINA FASO	29	2 (6.9)	3594	422 (11.7)	0.56 (0.09–1.87)
MALAWI	16	1 (6.2)	3607	423 (11.7)	0.50 (0.03–2.48)
SENEGAL	16	1 (6.2)	3607	423 (11.7)	0.50 (0.03–2.48)
THE GAMBIA	17	1 (5.9)	3606	423 (11.7)	0.47 (0.03–2.31)
NORWAY	18	1 (5.6)	3605	423 (11.7)	0.44 (0.02–2.16)
UGANDA	77	3 (3.9)	3546	421 (11.9)	0.30 (0.07–0.81)
REPUBLIC OF THE CONGO	31	1 (3.2)	3592	423 (11.8)	0.25 (0.01–1.17)
BENIN	102	1 (1.0)	3521	423 (12.0)	0.07 (0.00–0.33)
CAMEROON	26	0 (0.0)	3597	424 (11.8)	0.00 (0.00–4.24)
NIGER	27	0 (0.0)	3596	424 (11.8)	0.00 (0.00–2.60)
ETHIOPIA	35	0 (0.0)	3588	424 (11.8)	0.00 (0.00–0.14)

REPUBLIC OF THE CONGO

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	29	14 (48.3)	90	21 (23.3)	3.07 (1.27–7.44)
UNITED KINGDOM	20	10 (50.0)	99	25 (25.3)	2.96 (1.10–8.05)
FRANCE	44	9 (20.5)	75	26 (34.7)	0.48 (0.19–1.13)
GERMANY	21	3 (14.3)	98	32 (32.7)	0.34 (0.08–1.11)

RWANDA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED KINGDOM	79	18 (22.8)	545	112 (20.6)	1.14 (0.63–1.97)
CANADA	64	13 (20.3)	560	117 (20.9)	0.97 (0.49–1.78)
UNITED STATES OF AMERICA	385	79 (20.5)	239	51 (21.3)	0.95 (0.64–1.42)
AUSTRALIA	25	5 (20.0)	599	125 (20.9)	0.95 (0.31–2.39)
SOUTH AFRICA	53	9 (17.0)	571	121 (21.2)	0.76 (0.34–1.53)
SWITZERLAND	43	7 (16.3)	581	123 (21.2)	0.72 (0.29–1.57)
NETHERLANDS	52	8 (15.4)	572	122 (21.3)	0.67 (0.29–1.39)
FRANCE	15	2 (13.3)	609	128 (21.0)	0.58 (0.09–2.13)
ETHIOPIA	15	2 (13.3)	609	128 (21.0)	0.58 (0.09–2.13)
UGANDA	30	4 (13.3)	594	126 (21.2)	0.57 (0.17–1.50)
BELGIUM	47	6 (12.8)	577	124 (21.5)	0.53 (0.20–1.20)
GERMANY	37	4 (10.8)	587	126 (21.5)	0.44 (0.13–1.14)
REPUBLIC OF THE CONGO	10	1 (10.0)	614	129 (21.0)	0.42 (0.02–2.25)
DENMARK	10	1 (10.0)	614	129 (21.0)	0.42 (0.02–2.25)
KENYA	50	4 (8.0)	574	126 (22.0)	0.31 (0.09–0.78)
SWEDEN	42	3 (7.1)	582	127 (21.8)	0.28 (0.07–0.78)
ZAMBIA	26	0 (0.0)	598	130 (21.7)	0.00 (0.00–12259.95)

SAO TOME AND PRINCIPE

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
PORTUGAL	12	10 (83.3)	16	10 (62.5)	3.00 (0.54–24.03)

SENEGAL

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SPAIN	17	11 (64.7)	716	138 (19.3)	7.68 (2.87–22.62)
AUSTRALIA	15	7 (46.7)	718	142 (19.8)	3.55 (1.23–10.05)
NETHERLANDS	12	5 (41.7)	721	144 (20.0)	2.86 (0.84–9.10)
ITALY	17	7 (41.2)	716	142 (19.8)	2.83 (1.01–7.50)
SWITZERLAND	39	14 (35.9)	694	135 (19.5)	2.32 (1.15–4.52)
UNITED STATES OF AMERICA	290	79 (27.2)	443	70 (15.8)	2.00 (1.39–2.87)
CANADA	34	7 (20.6)	699	142 (20.3)	1.02 (0.40–2.26)
UNITED KINGDOM	81	16 (19.8)	652	133 (20.4)	0.96 (0.52–1.67)
GERMANY	27	5 (18.5)	706	144 (20.4)	0.89 (0.29–2.21)
BENIN	11	2 (18.2)	722	147 (20.4)	0.87 (0.13–3.42)
BELGIUM	34	6 (17.6)	699	143 (20.5)	0.83 (0.31–1.92)
SOUTH AFRICA	35	6 (17.1)	698	143 (20.5)	0.80 (0.30–1.84)
FRANCE	193	25 (13.0)	540	124 (23.0)	0.50 (0.31–0.78)
DENMARK	10	1 (10.0)	723	148 (20.5)	0.43 (0.02–2.32)
TOGO	11	1 (9.1)	722	148 (20.5)	0.39 (0.02–2.05)
VIETNAM	11	1 (9.1)	722	148 (20.5)	0.39 (0.02–2.05)
ETHIOPIA	14	1 (7.1)	719	148 (20.6)	0.30 (0.02–1.51)
KENYA	30	2 (6.7)	703	147 (20.9)	0.27 (0.04–0.91)
UGANDA	16	1 (6.2)	717	148 (20.6)	0.26 (0.01–1.28)
BURKINA FASO	52	2 (3.8)	681	147 (21.6)	0.15 (0.02–0.48)
MALI	34	1 (2.9)	699	148 (21.2)	0.11 (0.01–0.53)

SEYCHELLES

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SWITZERLAND	25	3 (12.0)	21	6 (28.6)	0.34 (0.06–1.50)
UNITED STATES OF AMERICA	29	3 (10.3)	17	6 (35.3)	0.21 (0.04–0.95)

SIERRA LEONE

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
ITALY	18	9 (50.0)	470	201 (42.8)	1.34 (0.51–3.49)
CANADA	35	17 (48.6)	453	193 (42.6)	1.27 (0.63–2.54)
UNITED STATES OF AMERICA	239	104 (43.5)	249	106 (42.6)	1.04 (0.73–1.49)
SOUTH AFRICA	30	13 (43.3)	458	197 (43.0)	1.01 (0.47–2.13)
AUSTRALIA	26	11 (42.3)	462	199 (43.1)	0.97 (0.43–2.14)
NETHERLANDS	20	8 (40.0)	468	202 (43.2)	0.88 (0.34–2.16)
SWEDEN	26	10 (38.5)	462	200 (43.3)	0.82 (0.35–1.82)
IRELAND	16	6 (37.5)	472	204 (43.2)	0.79 (0.26–2.16)
SWITZERLAND	49	18 (36.7)	439	192 (43.7)	0.75 (0.40–1.36)
FRANCE	22	8 (36.4)	466	202 (43.3)	0.75 (0.29–1.78)
NORWAY	17	6 (35.3)	471	204 (43.3)	0.71 (0.24–1.91)
BELGIUM	20	7 (35.0)	468	203 (43.4)	0.70 (0.26–1.75)
GERMANY	24	8 (33.3)	464	202 (43.5)	0.65 (0.26–1.51)
UNITED KINGDOM	173	59 (34.1)	315	151 (47.9)	0.56 (0.38–0.82)
CHINA	36	10 (27.8)	452	200 (44.2)	0.48 (0.22–1.00)
UGANDA	16	3 (18.8)	472	207 (43.9)	0.30 (0.07–0.93)
GHANA	11	2 (18.2)	477	208 (43.6)	0.29 (0.04–1.13)
NIGERIA	21	3 (14.3)	467	207 (44.3)	0.21 (0.05–0.63)
KENYA	15	1 (6.7)	473	209 (44.2)	0.09 (0.00–0.45)

SOMALIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
NORWAY	25	23 (92.0)	208	152 (73.1)	4.24 (1.20–26.94)
UNITED STATES OF AMERICA	90	72 (80.0)	143	103 (72.0)	1.55 (0.84–2.98)
AUSTRALIA	16	13 (81.2)	217	162 (74.7)	1.47 (0.45–6.59)
SWEDEN	33	26 (78.8)	200	149 (74.5)	1.27 (0.55–3.33)
CANADA	16	11 (68.8)	217	164 (75.6)	0.71 (0.25–2.34)

UNITED KINGDOM	31	20 (64.5)	202	155 (76.7)	0.55 (0.25–1.27)
SOUTH AFRICA	15	8 (53.3)	218	167 (76.6)	0.35 (0.12–1.04)
KENYA	27	9 (33.3)	206	166 (80.6)	0.12 (0.05–0.28)
ETHIOPIA	12	2 (16.7)	221	173 (78.3)	0.06 (0.01–0.22)

SOUTH AFRICA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
POLAND	22	14 (63.6)	5532	390 (7.0)	23.07 (9.82–58.08)
TAIWAN	10	6 (60.0)	5544	398 (7.2)	19.39 (5.52–76.12)
CHILE	10	5 (50.0)	5544	399 (7.2)	12.89 (3.57–46.54)
FINLAND	27	11 (40.7)	5527	393 (7.1)	8.98 (4.03–19.31)
EGYPT	10	4 (40.0)	5544	400 (7.2)	8.57 (2.18–30.13)
ITALY	65	25 (38.5)	5489	379 (6.9)	8.43 (5.00–13.95)
SPAIN	71	27 (38.0)	5483	377 (6.9)	8.31 (5.03–13.48)
RUSSIAN FEDERATION	18	7 (38.9)	5536	397 (7.2)	8.24 (3.02–21.03)
COLOMBIA	24	8 (33.3)	5530	396 (7.2)	6.48 (2.61–14.83)
TURKEY	16	5 (31.2)	5538	399 (7.2)	5.85 (1.84–16.18)
CZECH REPUBLIC	16	5 (31.2)	5538	399 (7.2)	5.85 (1.84–16.18)
GREECE	18	5 (27.8)	5536	399 (7.2)	4.95 (1.58–13.20)
PORTUGAL	15	4 (26.7)	5539	400 (7.2)	4.67 (1.29–13.73)
ISRAEL	20	5 (25.0)	5534	399 (7.2)	4.29 (1.39–11.14)
CHINA	75	18 (24.0)	5479	386 (7.0)	4.17 (2.36–7.01)
DENMARK	47	11 (23.4)	5507	393 (7.1)	3.98 (1.92–7.62)
SAUDI ARABIA	14	3 (21.4)	5540	401 (7.2)	3.50 (0.79–11.25)
SWITZERLAND	238	43 (18.1)	5316	361 (6.8)	3.03 (2.12–4.24)
CANADA	249	43 (17.3)	5305	361 (6.8)	2.86 (2.00–4.00)
GERMANY	178	31 (17.4)	5376	373 (6.9)	2.83 (1.86–4.17)
IRELAND	41	7 (17.1)	5513	397 (7.2)	2.65 (1.07–5.67)
BRAZIL	71	12 (16.9)	5483	392 (7.1)	2.64 (1.34–4.78)
SINGAPORE	12	2 (16.7)	5542	402 (7.3)	2.56 (0.39–9.74)
UNITED STATES OF AMERICA	1931	220 (11.4)	3623	184 (5.1)	2.40 (1.96–2.95)
AUSTRIA	19	3 (15.8)	5535	401 (7.2)	2.40 (0.56–7.24)
THAILAND	54	8 (14.8)	5500	396 (7.2)	2.24 (0.97–4.52)
AUSTRALIA	318	45 (14.2)	5236	359 (6.9)	2.24 (1.59–3.09)
ARGENTINA	27	4 (14.8)	5527	400 (7.2)	2.23 (0.65–5.83)

SWEDEN	180	20 (11.1)	5374	384 (7.1)	1.62 (0.98–2.55)
FRANCE	139	15 (10.8)	5415	389 (7.2)	1.56 (0.87–2.61)
JAPAN	28	3 (10.7)	5526	401 (7.3)	1.53 (0.36–4.39)
UNITED KINGDOM	1020	100 (9.8)	4534	304 (6.7)	1.51 (1.19–1.91)
PERU	39	4 (10.3)	5515	400 (7.3)	1.46 (0.44–3.68)
INDIA	126	12 (9.5)	5428	392 (7.2)	1.35 (0.70–2.37)
BELGIUM	153	14 (9.2)	5401	390 (7.2)	1.29 (0.71–2.18)
THE GAMBIA	11	1 (9.1)	5543	403 (7.3)	1.28 (0.07–6.68)
NETHERLANDS	294	26 (8.8)	5260	378 (7.2)	1.25 (0.81–1.86)
SOUTH KOREA	13	1 (7.7)	5541	403 (7.3)	1.06 (0.06–5.41)
PHILIPPINES	14	1 (7.1)	5540	403 (7.3)	0.98 (0.05–4.94)
MEXICO	31	2 (6.5)	5523	402 (7.3)	0.88 (0.14–2.93)
JAMAICA	16	1 (6.2)	5538	403 (7.3)	0.85 (0.05–4.21)
VIETNAM	18	1 (5.6)	5536	403 (7.3)	0.75 (0.04–3.66)
NORWAY	72	4 (5.6)	5482	400 (7.3)	0.75 (0.23–1.82)
PAKISTAN	21	1 (4.8)	5533	403 (7.3)	0.64 (0.04–3.06)
BURKINA FASO	23	1 (4.3)	5531	403 (7.3)	0.58 (0.03–2.76)
TANZANIA	69	3 (4.3)	5485	401 (7.3)	0.58 (0.14–1.56)
NEW ZEALAND	59	2 (3.4)	5495	402 (7.3)	0.44 (0.07–1.43)
ZIMBABWE	77	2 (2.6)	5477	402 (7.3)	0.34 (0.06–1.07)
KENYA	119	3 (2.5)	5435	401 (7.4)	0.32 (0.08–0.86)
NIGERIA	74	1 (1.4)	5480	403 (7.4)	0.17 (0.01–0.78)
GHANA	119	1 (0.8)	5435	403 (7.4)	0.11 (0.01–0.47)
UGANDA	123	1 (0.8)	5431	403 (7.4)	0.10 (0.01–0.46)
BANGLADESH	34	0 (0.0)	5520	404 (7.3)	0.00 (0.00–0.31)
ETHIOPIA	43	0 (0.0)	5511	404 (7.3)	0.00 (0.00–0.04)
MALAWI	63	0 (0.0)	5491	404 (7.4)	0.00 (0.00–0.08)
ZAMBIA	76	0 (0.0)	5478	404 (7.4)	0.00 (0.00–0.02)

SOUTH SUDAN

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
CANADA	14	12 (85.7)	120	48 (40.0)	9.00 (2.32–59.51)
AUSTRALIA	16	10 (62.5)	118	50 (42.4)	2.27 (0.79–7.05)
UNITED KINGDOM	35	18 (51.4)	99	42 (42.4)	1.44 (0.66–3.14)
NORWAY	12	6 (50.0)	122	54 (44.3)	1.26 (0.37–4.24)
UNITED STATES OF AMERICA	60	24 (40.0)	74	36 (48.6)	0.70 (0.35–1.40)

NETHERLANDS	17	6 (35.3)	117	54 (46.2)	0.64 (0.21–1.79)
SWITZERLAND	24	8 (33.3)	110	52 (47.3)	0.56 (0.21–1.38)
FRANCE	14	4 (28.6)	120	56 (46.7)	0.46 (0.12–1.45)
SUDAN	11	3 (27.3)	123	57 (46.3)	0.43 (0.09–1.58)
KENYA	16	3 (18.8)	118	57 (48.3)	0.25 (0.05–0.81)
UGANDA	17	3 (17.6)	117	57 (48.7)	0.23 (0.05–0.74)

SUDAN

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
CANADA	16	11 (68.8)	491	132 (26.9)	5.98 (2.13–19.29)
SPAIN	11	7 (63.6)	496	136 (27.4)	4.63 (1.38–17.92)
AUSTRALIA	33	20 (60.6)	474	123 (25.9)	4.39 (2.14–9.30)
UNITED STATES OF AMERICA	101	50 (49.5)	406	93 (22.9)	3.30 (2.10–5.20)
ISRAEL	10	5 (50.0)	497	138 (27.8)	2.60 (0.71–9.49)
CHINA	10	5 (50.0)	497	138 (27.8)	2.60 (0.71–9.49)
ITALY	15	7 (46.7)	492	136 (27.6)	2.29 (0.79–6.50)
INDIA	11	4 (36.4)	496	139 (28.0)	1.47 (0.38–4.94)
BELGIUM	17	6 (35.3)	490	137 (28.0)	1.41 (0.48–3.77)
SWEDEN	20	7 (35.0)	487	136 (27.9)	1.39 (0.51–3.47)
GERMANY	30	10 (33.3)	477	133 (27.9)	1.29 (0.57–2.78)
EGYPT	15	5 (33.3)	492	138 (28.0)	1.28 (0.39–3.68)
JAPAN	13	4 (30.8)	494	139 (28.1)	1.14 (0.30–3.55)
SWITZERLAND	36	11 (30.6)	471	132 (28.0)	1.13 (0.52–2.31)
NORWAY	23	7 (30.4)	484	136 (28.1)	1.12 (0.42–2.68)
NETHERLANDS	25	7 (28.0)	482	136 (28.2)	0.99 (0.38–2.33)
FRANCE	18	5 (27.8)	489	138 (28.2)	0.98 (0.31–2.65)
UNITED KINGDOM	93	21 (22.6)	414	122 (29.5)	0.70 (0.40–1.17)
QATAR	10	2 (20.0)	497	141 (28.4)	0.63 (0.09–2.56)
SOUTH AFRICA	25	4 (16.0)	482	139 (28.8)	0.47 (0.14–1.26)
UGANDA	13	2 (15.4)	494	141 (28.5)	0.46 (0.07–1.72)
IRELAND	15	2 (13.3)	492	141 (28.7)	0.38 (0.06–1.41)
SAUDI ARABIA	91	13 (14.3)	416	130 (31.2)	0.37 (0.19–0.66)
KENYA	18	2 (11.1)	489	141 (28.8)	0.31 (0.05–1.10)
UNITED ARAB EMIRATES	12	1 (8.3)	495	142 (28.7)	0.23 (0.01–1.18)

TANZANIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
QATAR	10	4 (40.0)	2229	337 (15.1)	3.74 (0.95–13.17)
AUSTRALIA	59	18 (30.5)	2180	323 (14.8)	2.52 (1.40–4.38)
GREECE	13	4 (30.8)	2226	337 (15.1)	2.49 (0.67–7.70)
CANADA	102	28 (27.5)	2137	313 (14.6)	2.20 (1.38–3.42)
FRANCE	36	10 (27.8)	2203	331 (15.0)	2.18 (0.99–4.42)
AUSTRIA	20	5 (25.0)	2219	336 (15.1)	1.87 (0.60–4.86)
BELGIUM	56	13 (23.2)	2183	328 (15.0)	1.71 (0.87–3.13)
ITALY	46	10 (21.7)	2193	331 (15.1)	1.56 (0.73–3.06)
UNITED STATES OF AMERICA	993	179 (18.0)	1246	162 (13.0)	1.47 (1.17–1.86)
PERU	15	3 (20.0)	2224	338 (15.2)	1.39 (0.32–4.42)
REPUBLIC OF THE CONGO	10	2 (20.0)	2229	339 (15.2)	1.39 (0.21–5.59)
NETHERLANDS	132	23 (17.4)	2107	318 (15.1)	1.19 (0.73–1.86)
SPAIN	36	6 (16.7)	2203	335 (15.2)	1.12 (0.42–2.52)
CHINA	18	3 (16.7)	2221	338 (15.2)	1.11 (0.26–3.40)
GERMANY	174	28 (16.1)	2065	313 (15.2)	1.07 (0.69–1.61)
SWITZERLAND	216	33 (15.3)	2023	308 (15.2)	1.00 (0.67–1.46)
INDIA	40	6 (15.0)	2199	335 (15.2)	0.98 (0.37–2.19)
UNITED KINGDOM	528	72 (13.6)	1711	269 (15.7)	0.85 (0.64–1.11)
NEW ZEALAND	24	3 (12.5)	2215	338 (15.3)	0.79 (0.19–2.32)
SWEDEN	153	17 (11.1)	2086	324 (15.5)	0.68 (0.39–1.11)
BRAZIL	19	2 (10.5)	2220	339 (15.3)	0.65 (0.10–2.29)
THAILAND	19	2 (10.5)	2220	339 (15.3)	0.65 (0.10–2.29)
CZECH REPUBLIC	10	1 (10.0)	2229	340 (15.3)	0.62 (0.03–3.30)
DENMARK	102	10 (9.8)	2137	331 (15.5)	0.59 (0.29–1.10)
SOUTH AFRICA	173	17 (9.8)	2066	324 (15.7)	0.59 (0.34–0.95)
THE GAMBIA	11	1 (9.1)	2228	340 (15.3)	0.56 (0.03–2.91)
BURKINA FASO	23	2 (8.7)	2216	339 (15.3)	0.53 (0.08–1.81)
SOUTH KOREA	25	2 (8.0)	2214	339 (15.3)	0.48 (0.08–1.64)
JAPAN	29	2 (6.9)	2210	339 (15.3)	0.41 (0.07–1.37)
GHANA	49	3 (6.1)	2190	338 (15.4)	0.36 (0.09–0.98)
NIGERIA	34	2 (5.9)	2205	339 (15.4)	0.34 (0.06–1.14)
ETHIOPIA	36	2 (5.6)	2203	339 (15.4)	0.32 (0.05–1.07)
NORWAY	116	6 (5.2)	2123	335 (15.8)	0.29 (0.11–0.61)

SENEGAL	22	1 (4.5)	2217	340 (15.3)	0.26 (0.01–1.26)
BANGLADESH	25	1 (4.0)	2214	340 (15.4)	0.23 (0.01–1.09)
MOZAMBIQUE	25	1 (4.0)	2214	340 (15.4)	0.23 (0.01–1.09)
KENYA	147	5 (3.4)	2092	336 (16.1)	0.18 (0.06–0.41)
ZIMBABWE	33	1 (3.0)	2206	340 (15.4)	0.17 (0.01–0.80)
UGANDA	98	2 (2.0)	2141	339 (15.8)	0.11 (0.02–0.35)
ZAMBIA	36	0 (0.0)	2203	341 (15.5)	0.00 (0.00–41.82)
MALAWI	39	0 (0.0)	2200	341 (15.5)	0.00 (0.00–12.04)

TOGO

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
UNITED STATES OF AMERICA	86	20 (23.3)	163	14 (8.6)	3.23 (1.55–6.90)
UNITED KINGDOM	16	5 (31.2)	233	29 (12.4)	3.20 (0.95–9.49)
SWITZERLAND	20	6 (30.0)	229	28 (12.2)	3.08 (1.02–8.37)
CANADA	13	4 (30.8)	236	30 (12.7)	3.05 (0.79–10.02)
GERMANY	11	2 (18.2)	238	32 (13.4)	1.43 (0.21–5.87)
FRANCE	57	8 (14.0)	192	26 (13.5)	1.04 (0.42–2.36)
SOUTH AFRICA	15	2 (13.3)	234	32 (13.7)	0.97 (0.15–3.74)
BURKINA FASO	28	2 (7.1)	221	32 (14.5)	0.45 (0.07–1.63)
SENEGAL	16	1 (6.2)	233	33 (14.2)	0.40 (0.02–2.10)

UGANDA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
SOUTH KOREA	11	8 (72.7)	2985	421 (14.1)	16.24 (4.68–74.38)
CHINA	12	6 (50.0)	2984	423 (14.2)	6.05 (1.89–19.44)
SPAIN	23	7 (30.4)	2973	422 (14.2)	2.64 (1.01–6.23)
IRELAND	10	3 (30.0)	2986	426 (14.3)	2.58 (0.55–9.30)
SENEGAL	18	5 (27.8)	2978	424 (14.2)	2.32 (0.74–6.18)
ISRAEL	11	3 (27.3)	2985	426 (14.3)	2.25 (0.49–7.82)
BOTSWANA	11	3 (27.3)	2985	426 (14.3)	2.25 (0.49–7.82)
NEW ZEALAND	11	3 (27.3)	2985	426 (14.3)	2.25 (0.49–7.82)
BRAZIL	23	6 (26.1)	2973	423 (14.2)	2.13 (0.76–5.15)
AUSTRALIA	88	20 (22.7)	2908	409 (14.1)	1.80 (1.05–2.93)

SWITZERLAND	140	31 (22.1)	2856	398 (13.9)	1.76 (1.14–2.62)
GERMANY	73	15 (20.5)	2923	414 (14.2)	1.57 (0.85–2.72)
ITALY	34	7 (20.6)	2962	422 (14.2)	1.56 (0.62–3.41)
CANADA	256	46 (18.0)	2740	383 (14.0)	1.35 (0.95–1.87)
FRANCE	79	14 (17.7)	2917	415 (14.2)	1.30 (0.69–2.26)
UNITED STATES OF AMERICA	1593	249 (15.6)	1403	180 (12.8)	1.26 (1.02–1.55)
JAPAN	24	4 (16.7)	2972	425 (14.3)	1.20 (0.35–3.19)
UNITED KINGDOM	709	96 (13.5)	2287	333 (14.6)	0.92 (0.72–1.17)
NETHERLANDS	126	15 (11.9)	2870	414 (14.4)	0.80 (0.44–1.34)
THAILAND	19	2 (10.5)	2977	427 (14.3)	0.70 (0.11–2.46)
BELGIUM	134	14 (10.4)	2862	415 (14.5)	0.69 (0.37–1.17)
SOUTH AFRICA	261	27 (10.3)	2735	402 (14.7)	0.67 (0.43–0.99)
FINLAND	10	1 (10.0)	2986	428 (14.3)	0.66 (0.04–3.55)
DENMARK	71	7 (9.9)	2925	422 (14.4)	0.65 (0.27–1.33)
GREECE	25	2 (8.0)	2971	427 (14.4)	0.52 (0.08–1.76)
BURKINA FASO	26	2 (7.7)	2970	427 (14.4)	0.50 (0.08–1.68)
THE GAMBIA	14	1 (7.1)	2982	428 (14.4)	0.46 (0.03–2.31)
NORWAY	67	4 (6.0)	2929	425 (14.5)	0.37 (0.11–0.91)
DEMOCRATIC REPUBLIC OF THE CONGO	18	1 (5.6)	2978	428 (14.4)	0.35 (0.02–1.71)
INDIA	36	2 (5.6)	2960	427 (14.4)	0.35 (0.06–1.15)
SWEDEN	190	9 (4.7)	2806	420 (15.0)	0.28 (0.13–0.52)
GHANA	31	1 (3.2)	2965	428 (14.4)	0.20 (0.01–0.92)
KENYA	183	5 (2.7)	2813	424 (15.1)	0.16 (0.06–0.35)
ZIMBABWE	81	2 (2.5)	2915	427 (14.6)	0.15 (0.02–0.47)
ZAMBIA	48	0 (0.0)	2948	429 (14.6)	0.00 (0.00–0.77)
ETHIOPIA	51	0 (0.0)	2945	429 (14.6)	0.00 (0.00–0.37)
MALAWI	53	0 (0.0)	2943	429 (14.6)	0.00 (0.00–0.24)
NIGERIA	66	0 (0.0)	2930	429 (14.6)	0.00 (0.00–0.02)
TANZANIA	95	0 (0.0)	2901	429 (14.8)	0.00 (0.00–0.00)

ZAMBIA

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
ITALY	12	7 (58.3)	989	177 (17.9)	6.42 (2.03–21.92)
SPAIN	11	5 (45.5)	990	179 (18.1)	3.78 (1.08–12.67)

BRAZIL	11	3 (27.3)	990	181 (18.3)	1.68 (0.36–5.86)
FRANCE	26	6 (23.1)	975	178 (18.3)	1.34 (0.49–3.21)
CANADA	42	9 (21.4)	959	175 (18.2)	1.22 (0.54–2.50)
UNITED STATES OF AMERICA	620	120 (19.4)	381	64 (16.8)	1.19 (0.85–1.67)
SWITZERLAND	74	13 (17.6)	927	171 (18.4)	0.94 (0.49–1.70)
GERMANY	23	4 (17.4)	978	180 (18.4)	0.93 (0.27–2.52)
UNITED KINGDOM	233	38 (16.3)	768	146 (19.0)	0.83 (0.56–1.22)
CHINA	13	2 (15.4)	988	182 (18.4)	0.81 (0.12–3.03)
AUSTRALIA	26	4 (15.4)	975	180 (18.5)	0.80 (0.23–2.13)
NETHERLANDS	53	8 (15.1)	948	176 (18.6)	0.78 (0.34–1.60)
DENMARK	15	2 (13.3)	986	182 (18.5)	0.68 (0.11–2.49)
SOUTH AFRICA	168	21 (12.5)	833	163 (19.6)	0.59 (0.35–0.94)
BELGIUM	29	3 (10.3)	972	181 (18.6)	0.50 (0.12–1.45)
SWEDEN	14	1 (7.1)	987	183 (18.5)	0.34 (0.02–1.71)
JAPAN	18	1 (5.6)	983	183 (18.6)	0.26 (0.01–1.26)
GHANA	20	1 (5.0)	981	183 (18.7)	0.23 (0.01–1.12)
DEMOCRATIC REPUBLIC OF THE CONGO	21	1 (4.8)	980	183 (18.7)	0.22 (0.01–1.05)
ZIMBABWE	46	2 (4.3)	955	182 (19.1)	0.19 (0.03–0.63)
INDIA	29	1 (3.4)	972	183 (18.8)	0.15 (0.01–0.73)
PAKISTAN	26	0 (0.0)	975	184 (18.9)	0.00 (0.00–14825.51)
MALAWI	32	0 (0.0)	969	184 (19.0)	0.00 (0.00–239.80)
TANZANIA	44	0 (0.0)	957	184 (19.2)	0.00 (0.00–15468.40)
UGANDA	48	0 (0.0)	953	184 (19.3)	0.00 (0.00–2421.92)
KENYA	67	0 (0.0)	934	184 (19.7)	0.00 (0.00–6.63)

ZIMBABWE

Author affiliation country	Articles with ≥ 1 Affiliation, n	Parasitism in Articles with ≥ 1 Affiliation, n (%)	Articles with No Affiliation, n	Parasitism in Articles with No Affiliation, n (%)	Odds Ratio (95% CI)
CANADA	30	13 (43.3)	714	119 (16.7)	3.82 (1.78–8.05)
CHINA	10	4 (40.0)	734	128 (17.4)	3.16 (0.80–11.21)
BRAZIL	12	4 (33.3)	732	128 (17.5)	2.36 (0.62–7.61)
AUSTRALIA	35	10 (28.6)	709	122 (17.2)	1.92 (0.86–4.00)
SWITZERLAND	45	10 (22.2)	699	122 (17.5)	1.35 (0.62–2.71)
GERMANY	19	4 (21.1)	725	128 (17.7)	1.24 (0.35–3.49)
SOUTH AFRICA	215	38 (17.7)	529	94 (17.8)	0.99 (0.65–1.49)
BELGIUM	13	2 (15.4)	731	130 (17.8)	0.84 (0.13–3.18)

UNITED STATES OF AMERICA	305	47 (15.4)	439	85 (19.4)	0.76 (0.51–1.12)
FRANCE	23	3 (13.0)	721	129 (17.9)	0.69 (0.16–2.05)
NETHERLANDS	21	2 (9.5)	723	130 (18.0)	0.48 (0.08–1.68)
UNITED KINGDOM	242	26 (10.7)	502	106 (21.1)	0.45 (0.28–0.70)
NIGERIA	12	1 (8.3)	732	131 (17.9)	0.42 (0.02–2.17)
NORWAY	14	1 (7.1)	730	131 (17.9)	0.35 (0.02–1.79)
INDIA	15	1 (6.7)	729	131 (18.0)	0.33 (0.02–1.64)
ZAMBIA	30	1 (3.3)	714	131 (18.3)	0.15 (0.01–0.73)
KENYA	39	1 (2.6)	705	131 (18.6)	0.12 (0.01–0.54)
MALAWI	46	1 (2.2)	698	131 (18.8)	0.10 (0.01–0.45)
UGANDA	69	1 (1.4)	675	131 (19.4)	0.06 (0.00–0.28)
TANZANIA	34	0 (0.0)	710	132 (18.6)	0.00 (0.00–9820942.40)

