

SUPPLEMENTARY TABLE S1. Characteristics of the included studies (55 publications containing a total of 82 reports)

Study	Country	Zoonotic disease	Context during study conduct	Year of study start	Year of study end	Number of infected humans	Attack rate among humans per thousand	Number of deaths reported among humans	Case fatality rate among humans, per thousand	Reported animal host	Number of infected animals
Aceng 2021 [18]	Uganda	Anthrax	Ongoing outbreak	2015	2017	68	1.231884058	2	29.41176471	Cattle	NA
Adesokan 2019 [19]	Nigeria	Tuberculosis	Not outbreak	2018	2018	52	348.9932886	NA	NA	Cattle	2
Adjemian 2011 [20]	Uganda	Marburg	Ongoing outbreak	2007	2007	4	NA	1	250	Bats	31
Ahmed 2020 [21]	Sudan	Echinococcosis	Not outbreak	2017	2018	20	65.57377049	NA	NA	Dogs	NA
Ari 2011 [22]	Kenya	Brucellosis	Ongoing outbreak	2005	2005	9	NA	NA	NA	NA	NA
Ari 2011 [22]	Kenya	Leptospirosis	Ongoing outbreak	2005	2005	3	NA	NA	NA	NA	NA
Assenga 2015 [23]	Tanzania	Leptospirosis	Not outbreak	2012	2013	80	299.6254682	NA	NA	Cattle	335
Bardonnet 2002 [24]	Mauritania	Echinococcosis	Not outbreak	1998	2000	3	NA	NA	NA	Camel	22
Besombes 2019 [25]	CAR	Monkeypox	Ongoing outbreak	2018	2018	6	NA	NA	NA	NA	NA
Bett 2017 [26]	Kenya	Rift Valley Fever	Not outbreak	NA	NA	244	219.4244604	NA	NA	NA	NA
Bett 2017 [26]	Kenya	Leptospirosis	Not outbreak	NA	NA	244	257.3839662	NA	NA	NA	NA
Bett 2017 [26]	Kenya	Brucellosis	Not outbreak	NA	NA	366	359.8820059	NA	NA	NA	NA

Bratcher 2021 [27]	DRC	Ebola	Not outbreak	2015	2017	113	82.72327965	NA	NA	NA	NA
Chirundu 2009 [28]	Zimbabwe	Anthrax	Ongoing outbreak	2004	2004	53	53.21285141	NA	NA	Cattle	NA
Cook 2017 [29]	Kenya	Rift Valley Fever	Not outbreak	2010	2012	15	8.060182697	NA	NA	Cattle	NA
Durski 2018 [30]	Liberia	Monkeypox	Ongoing outbreak	2017	2017	2	NA	0	0	NA	NA
Durski 2018 [30]	Sudan	Monkeypox	Ongoing outbreak	2005	2005	19	NA	0	0	NA	NA
Durski 2018 [30]	Sierra Leone	Monkeypox	Ongoing outbreak	2014	2017	2	NA	1	500	NA	NA
Durski 2018 [30]	CAR	Monkeypox	Ongoing outbreak	2001	2017	37	NA	4	108.1081081	NA	NA
Durski 2018 [30]	Nigeria	Monkeypox	Ongoing outbreak	2017	2018	89	NA	6	67.41573034	NA	NA
Edia-Asuke 2015 [31]	Nigeria	Cysticercosis	Not outbreak	2012	2013	43	143.3333333	NA	NA	Pigs	NA
El Zowalaty 2022 [32]	South Africa	Influenza A	Not outbreak	2018	2018	44	523.8095238	NA	NA	Pig	6
Faye 2007 [33]	Mauritania	Rift Valley Fever	Ongoing outbreak	2003	2003	25	255.1020408	4	160	Cattle	25
Faye 2010 [34]	Senegal	Leishmaniasis	Not outbreak	2005	2008	44	330.8270677	NA	NA	Dogs	57
Gray 2015 [35]	Madagascar	Rift Valley Fever	Not outbreak	2010	2012	2	15.7480315	NA	NA	Cattle	NA
Gray 2015 [35]	Kenya	Rift Valley Fever	Not outbreak	2010	2012	21	48.8372093	NA	NA	Cattle	NA
Grossi-Soyster 2019 [36]	Kenya	Rift Valley Fever	Not outbreak	2010	2012	267	63.22519536	NA	NA	NA	NA

Hikufe 2019 [37]	Namibia	Rabies	Not outbreak	2011	2017	113	NA	NA	NA	Dogs, Kudus, Jackals...	1907
Jansen 2018 [38]	South Africa	Rift Valley Fever	Ongoing outbreak	2018	2018	4	NA	NA	NA	Cattle	NA
Japhet 2019 [39]	Nigeria	Astrovirus	Not outbreak	2012	2013	7	67.96116505	NA	NA	NA	NA
Jeffs 2007 [40]	Angola	Marburg	Ongoing outbreak	2005	2005	374	2.077777778	329	879.6791444	NA	NA
Kaddu-Mulindwa 2001 [41]	Uganda	E. coli	Not outbreak	1997	1998	6	142.8571429	NA	NA	Cattle	45
Kalthan 2016 [42]	CAR	Monkeypox	Ongoing outbreak	2015	2016	12	0.228741351	3	250	NA	NA
Kiambi 2012 [43]	Kenya	Brucellosis	Not outbreak	2010	2011	59	153.6458333	NA	NA	NA	NA
Lagare 2019 [44]	Niger	Rift Valley Fever	Ongoing outbreak	2016	2016	17	42.60651629	33	1941.176471	Cattle	24
Leendertz 2017 [45]	Cote d'Ivoire	Monkeypox	Not outbreak	2006	2007	38	188.1188119	NA	NA	NA	NA
Leendertz 2017 [45]	Cote d'Ivoire	Monkeypox	Not outbreak	2012	2012	19	253.3333333	NA	NA	NA	NA
Leendertz 2017 [45]	DRC	Monkeypox	Not outbreak	2011	2012	29	256.6371681	NA	NA	NA	NA
Leroy 2009 [46]	South Sudan	Ebola	Ongoing outbreak	2004	2004	17	NA	7	411.7647059	NA	NA
Leroy 2009 [46]	Congo	Ebola	Ongoing outbreak	2005	2005	12	NA	10	833.3333333	NA	NA
Leroy 2009 [46]	Congo	Ebola	Ongoing outbreak	2003	2003	35	NA	29	828.5714286	Monkeys	NA
Leroy 2009 [46]	Uganda	Ebola	Ongoing outbreak	2007	2007	116	NA	30	258.6206897	NA	NA

Leroy 2009 [46]	Congo	Ebola	Ongoing outbreak	2001	2002	59	NA	44	745.7627119	Gorillas	NA
Leroy 2009 [46]	Gabon	Ebola	Ongoing outbreak	2001	2002	65	NA	53	815.3846154	Gorillas	NA
Leroy 2009 [46]	Congo	Ebola	Ongoing outbreak	2003	2003	143	NA	128	895.1048951	Gorillas	NA
Leroy 2009 [46]	DRC	Ebola	Ongoing outbreak	2007	2007	264	NA	186	704.5454545	Bats	NA
Leroy 2009 [46]	Uganda	Ebola	Ongoing outbreak	2000	2000	425	NA	224	527.0588235	NA	NA
Mandja 2019 [47]	DRC	Monkeypox	Ongoing outbreak	2000	2015	19273	0.22179589	NA	NA	NA	NA
Mgode 2019 [48]	Tanzania	Leptospirosis	Not outbreak	NA	NA	72	158.2417582	NA	NA	Rodents	4
Mirambo 2018 [49]	Tanzania	Leptospirosis	Not outbreak	2017	2017	26	104	NA	NA	NA	NA
Mirambo 2018 [49]	Tanzania	Brucellosis	Not outbreak	2017	2017	121	484	NA	NA	NA	NA
Monamele 2019 [50]	Cameroon	Influenza A	Ongoing outbreak	2016	2016	15	22.62443439	NA	NA	Poultry	58
Muadica 2020 [51]	Mozambique	Enterocytozoon	Not outbreak	2016	2019	9	7.217321572	NA	NA	NA	NA
Mulugeta 2020 [52]	Ethiopia	Toxoplasmosis	Not outbreak	2015	2016	158	678.111588	NA	NA	Cats	NA
Munang'andu 2012 [53]	Zambia	Anthrax	Ongoing outbreak	1999	2007	1790	NA	83	46.36871508	Cattle	NA
Munyua 2021 [54]	Kenya	Brucellosis	Not outbreak	2015	2016	20	4.214075011	NA	NA	NA	NA
Nabukenya 2013 [55]	Uganda	Brucellosis	Not outbreak	2007	2007	24	103.4482759	NA	NA	Cattle	NA

Naidoo 2020 [56]	South Africa	Leptospirosis	Not outbreak	2015	2015	2	NA	1	500	Rats	8
Nanyende 2010 [57]	Kenya	Brucellosis	Not outbreak	2006	2007	30	172.4137931	NA	NA	Cattle	74
Ngere 2022 [58]	Kenya	MERSCOV	Ongoing outbreak	2018	2020	3	11.45038168	NA	NA	Camel	124
Nimo-Paintsil 2019 [59]	Ghana	Lassa virus	Not outbreak	2010	2011	34	51.75038052	NA	NA	Rodents	2
Nimo-Paintsil 2019 [59]	Ghana	Puumala	Not outbreak	2010	2011	74	112.6331811	NA	NA	Rodents	NA
Nimo-Paintsil 2019 [59]	Ghana	Dobrava	Not outbreak	2010	2011	80	121.7656012	NA	NA	Rodents	NA
Nimo-Paintsil 2019 [59]	Ghana	Leptospirosis	Not outbreak	2010	2011	140	213.0898021	NA	NA	Rodents	NA
Nyakarahuka 2018 [60]	Uganda	Rift Valley Fever	Not outbreak	2016	2016	88	134.351145	NA	NA	Cattle	133
Pembi 2022 [61]	Nigeria	Monkeypox	Ongoing outbreak	2017	2021	199	NA	NA	NA	NA	NA
Qiu 2019 [62]	Zambia	Borrelia	Not outbreak	2014	2016	1	NA	NA	NA	Bats	64
Ramadan 2022 [63]	South Sudan	Rift Valley Fever	Not outbreak	2017	2018	9	0.088098827	3	333.3333333	Livestock	9
Richard 2016 [64]	Gabon	HTLV	Not outbreak	NA	NA	2	6.666666667	NA	NA	Gorillas	2
Schoonman 2009 [65]	Tanzania	Leptospirosis	Not outbreak	2005	2005	30	150.7537688	NA	NA	NA	NA
Simpson 2018 [66]	South Africa	Rift Valley Fever	Not outbreak	2012	2013	0	0	NA	NA	NA	NA
Simpson 2018 [66]	South Africa	Brucellosis	Not outbreak	2012	2013	1	7.246376812	NA	NA	NA	NA

Simpson 2018 [66]	South Africa	Bartonellosis	Not outbreak	2012	2013	7	50.72463768	NA	NA	NA	NA
Simpson 2018 [66]	South Africa	Leptospirosis	Not outbreak	2012	2013	19	137.6811594	NA	NA	NA	NA
Simpson 2018 [66]	South Africa	Q fever	Not outbreak	2012	2013	67	489.0510949	NA	NA	NA	NA
Simpson 2018 [66]	South Africa	Rickettsiosis	Not outbreak	2012	2013	104	770.3703704	NA	NA	NA	NA
Sulyok 2014 [67]	DRC	Pentastomiasis	Not outbreak	2008	2012	4	1	NA	NA	Snakes	NA
Tappe 2015 [68]	DRC	Pentastomiasis	Not outbreak	2012	2014	2	NA	NA	NA	Snakes	NA
Teklu 2017 [69]	Ethiopia	Rabies	Not outbreak	2012	2015	2180	NA	NA	NA	Dogs	NA
Tigoi 2020 [70]	Kenya	Rift Valley Fever	Not outbreak	2014	2015	440	363.6363636	NA	NA	NA	NA
Wolfe 2004 [71]	Cameroon	SIV	Not outbreak	2003	2003	179	162.8753412	NA	NA	NA	NA
Yinka-Ogunleye 2018 [72]	Nigeria	Monkeypox	Ongoing outbreak	2017	2017	42	NA	1	23.80952381	NA	NA