

## Supplementary Table 5. Risk of bias assessment

Author	Was the study's target population a close representation of the national population in relation to RABV prevalence?	Was the sampling frame a true or close representation of the target population?	Was some form of random selection used to select the sample, OR was a census undertaken?	Were data collected directly from the subjects (as opposed to a proxy)?	Was an acceptable case definition used in the study?	Was the response rate $\geq 70\%$ or not significantly different in relevant demographic characteristics between responders and non- responders?	Was the RABV detection assay shown to have reliability and validity?	Was the same mode type of sample collected for all subjects?	Was the length of the study period > 1 year?	Were the numerator(s) and denominator(s) for the RABV prevalence appropriate?	Species	Risk of bias
Aghomo, 1990	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	No	Other animals	Moderate risk of bias
Aghomo, 1990	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	No	Other animals	Moderate risk of bias
Ajayi, 2006	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Alibi, 2014	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Alexander, 1994	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Other animals	Moderate risk of bias
Alexander, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Alexander, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Alexander, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Alexander, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Alexander, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Alexander, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Ali, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Aworh, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Baba, 2004	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Badiali, 1966	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Badiali, 1966	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Badiali, 1966	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Berentsen, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Berentsen, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Berentsen, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Cleveland, 1999	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	No	No	Dogs	Moderate risk of bias
Cleveland, 1999	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	No	No	Dogs	Moderate risk of bias
Cleveland, 2002	No	Yes	Yes	Not applicable (for animals)	Yes	No	Yes	Yes	Yes	No	Dogs	Moderate risk of bias
Coetzer, 2017	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	No	Other animals	Moderate risk of bias
Coetzer, 2017	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	No	Other animals	Moderate risk of bias
Coetzer, 2019	Yes	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Dogs	Moderate risk of bias
Coetzer, 2019	Yes	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Other animals	Moderate risk of bias
Coetzer, 2019	Yes	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Other animals	Moderate risk of bias
Coetzer, 2019	Yes	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Other animals	Moderate risk of bias
Creel, 1997	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Daniel, 2014	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Daniel, 2014	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Daniel, 2014	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Dao, 2006	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
De Benedictis, 2010	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Deressa, 2010	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Dogs	Moderate risk of bias
Deressa, 2010	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Other animals	Moderate risk of bias
Deressa, 2010	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Other animals	Moderate risk of bias
Dzikwi, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Other animals	Moderate risk of bias
Dzikwi, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Other animals	Moderate risk of bias
Edward, 2014	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	No	Dogs	Moderate risk of bias
Ehimiyein, 2014	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	No	Dogs	High risk of bias
Ehimiyein, 2010	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Ehizibolo, 2009	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Eze, 2018	No	Yes	No	Not applicable (for animals)	Yes	No	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Eze, 2018	No	Yes	No	Not applicable (for animals)	Yes	No	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Ezeokoli, 1987	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Garba, 2008	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias

Author	Was the study's target population a close representation of the national population in relation to RABV prevalence?	Was the sampling frame a true or close representation of the target population?	Was some form of random selection used to select the sample, OR was a census undertaken?	Were data collected directly from the subjects (as opposed to a proxy)?	Was an acceptable case definition used in the study?	Was the response rate $\geq 70\%$ or not significant different in relevant demographic characteristics between responders and non- responders?	Was the RABV detection assay shown to have reliability and validity?	Was the same mode type of sample collected for all subjects?	Was the length of the study period > 1 year?	Were the numerator(s) and denominator(s) for the RABV prevalence appropriate?	Species	Risk of bias
Grover, 2018	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Grover, 2018	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hambolu, 2014	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Hikufe, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Isek, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Kalemba, 2017	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Kayali, 2003	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Kia, 2018	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Kitala, 2000	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Kitala, 2000	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Laurenson, 1997	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Lechenne, 2017	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Mebatsion, 1992	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Mebatsion, 1992	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Mebatsion, 1992	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Millán, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Mshelbwala, 2013	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Mtui-Malamsha, 2019	No	Yes	Yes	Not applicable (for animals)	No	Yes	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Muhammad-Bashir, 2016	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Muhammad-Bashir, 2016	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Munang'andu, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Munang'andu, 2011	No	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Humans	Moderate risk of bias
Munang'andu, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Munang'andu, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Munang'andu, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Munang'andu, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Munang'andu, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Nakouné, 2012	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Nimzing, 2003	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Odeh, 2014	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Oelofsen, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Other animals	Moderate risk of bias
Oelofsen, 1993	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Other animals	Moderate risk of bias
Ogunkoya, 1990	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Ogunkoya, 1990	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Ogunkoya, 1990	No	Yes	No	Yes	No	No	Yes	Yes	Unclear	Yes	Humans	Moderate risk of bias
Okoh, 2018	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Okoh, 1986	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Olarinmoye, 2019	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Oluqas, 2011	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Oluqas, 2011	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Oluqasa, 2010	No	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	Humans	Moderate risk of bias
Oluwayelu, 2014	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Oluwayelu, 2015	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Oluwayelu, 2015	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Oluwayelu, 2015	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias
Pfukenyi, 2007	No	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Humans	Moderate risk of bias

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Punguwire, 2017	No	Yes	No	Not applicable (for animals)	Yes	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Randall, 2004	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Reynes, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Reynes, 2011	No	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Humans	Moderate risk of bias
Reynes, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Reynes, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Reynes, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Reynes, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Reynes, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Reynes, 2011	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Sabeta, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Sabeta, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Sabeta, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Sabeta, 2013	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Sadeuh-Mba, 2014	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Sadeuh-Mba, 2017	No	Yes	No	Not applicable (for animals)	Yes	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Sillero-Zubiri, 1996	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Other animals	Moderate risk of bias
Sofeu, 2018	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Humans	Low risk of bias
Swai, 2010	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Swai, 2010	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Swai, 2010	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Tekki, 2016	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	No	Yes	Dogs	Moderate risk of bias
Tiembré, 2018	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Humans	Low risk of bias
Tricou, 2016	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Dogs	Moderate risk of bias
Twabela, 2016	No	Yes	No	Not applicable (for animals)	Yes	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Tyem, 2017	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Yes	Yes	Other animals	Moderate risk of bias
Umoh, 1985	No	Yes	No	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Other animals	Moderate risk of bias
Wosu, 1990	No	Yes	Yes	Not applicable (for animals)	No	No	Yes	Yes	Unclear	Yes	Dogs	Moderate risk of bias

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