

Table S2. Epidemiological studies of tick infestation in birds in Europe.

Country	Tick Prevalence (%)	Area	Year	Capture Period (months)	Birds Captured (No.)	Bird Species (No.)	Birds Infested (No.)	Collected Ticks (No.)	Tick Species % all ticks	Ticks/infest. bird	Most Infested Bird Species	Reference
Poland	4.4	1 ornithological station	2021	2 (autumn)	3,903	55	173	335	<i>I. ricinus</i> (80%)	1.9 (335/173)	<i>Turdus philomelos</i> <i>Turdus merula</i>	Zajac et al., 2022 [41]
Finland	N/A	11 bird ringing	2018	8 (spring-autumn)	193	32		430	<i>I. ricinus</i> (98%)	1.0 to 7.3 (bird species)	<i>Erythacus rubecula</i> <i>Turdidae</i> <i>Erythacus rubecula</i>	Sormunen et al., 2022 [58]
Italy	N/A	3 Islas	2017-19	36 (spring seasons)	48,500			2,344	<i>Hyalomma</i>			Toma et al., 2021 [59]
Greece	1.7	4 localities (North)	2013	4 (summer, autumn)	403	52	7	15	<i>I. frontalis</i> <i>I. acuminatus</i>	1-5	<i>Turdus merula</i> <i>Erythacus rubecula</i>	Diakou et al., 2016 [39]
Germany	3.0	25 (6 Federal States)	2008-10	30	23,949	48	725	3,195	<i>I. ricinus</i> <i>I. hexagonus</i>	3.8 (3,195/838)	<i>Turdus merula</i> <i>Turdus philomelos</i>	Klaus et al., 2016 [40]
Portugal	N/A	19 Counties	2010-14	48	435	38		1,349	<i>I. frontalis</i> <i>I. ricinus</i> <i>Hyalomma</i>		<i>Turdus merula</i>	Norte et al., 2015 [54]
Sweden		1 bird observatory	2009		5,365	65	748	1,335	<i>Ixodes</i> spp. (83%)	1.8 (1,335/748)	<i>Anthus trivialis</i> , <i>Luscinia luscinia</i>	Sandelin et al., 2015 [21]
Italy & Greece		2 isles	2009-10	6 (spring)	14,789		463		<i>H. marginatum</i>		<i>Turdus merula</i>	Wallmenius et al., 2014 [60]
Russia	18.5	Baltic region	2009	(spring)	577	38	107	212	<i>I. ricinus</i> <i>I. frontalis</i> <i>Hyalomma</i>	0.4 (212/107)	<i>Erythacus rubecula</i>	Movila et al., 2013 [52]
Portugal	32.4 – 16.7	2 mixed forest (West)	2010-11	12	953	37		1,122	<i>I. ricinus</i> <i>I. frontalis</i> <i>H. punctata</i>		<i>Turdus merula</i> <i>Sturnus unicolor</i> <i>Erythacus rubecula</i>	Norte et al., 2012 [46]
Scotland		1 area	2007	7 (summer, autumn)	1,229	22		165	<i>I. ricinus</i>		<i>Turdus merula</i>	James et al., 2011 [51]
Czechia	41.1	1 locality (Certak)	2005	2	1,084		446	2,240	<i>I. ricinus</i>	5.1 (2,240/562)	<i>Prunella modularis</i> <i>Turdus philomelos</i>	Dubska et al., 2009 [44]
Moldova	31.9	1 forest reserve	1995-97		474	10	151	539	<i>I. ricinus</i> (82%)		Blackbirds	Movila et al., 2008 [50]
Slovakia & Czechia	36.7	3 and 1 woodlands	2001-02		529 (345 & 184)	40	194	1,461	<i>I. ricinus</i>		<i>Turdus merula</i> <i>Turdus philomelos</i>	Taragelova et a., 2008 [45]
Switzerland	18.2 and 6.0	2 sites	2002	5 (spring-autumn)	1,270		180	417	<i>I. ricinus</i> (91%)	2.3 (417/180) 1.9 (33/17)	<i>Erythacus rubecula</i>	Poupon et al., 2006 [53]

Switzerland	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,136	<i>I. ricinus</i>	N/A	<i>Erithacus rubecula</i> <i>Turdus merula</i>	Papadopoulos et al. 2001 [49]
Sweden & Denmark	2.0	7 bird observatories	1991	7 (spring-autumn)	22,998	42	465	967	<i>I. ricinus</i>	2.1 (967/465)		Olsen et al., 1995 [42]
Switzerland	58.0	1 Lyme endemic area	1988	6 (spring-autumn)	178	20		462	<i>I. ricinus</i>		<i>Erithacus rubecula</i> <i>Turdus philomelos</i> <i>Turdus merula</i>	Humair et al., 1993 [43]

N/A = Not available (no data on birds ringing without ticks).

References

60. Wallménus, K.; Barboutis, C.; Fransson, T.; Jaenson, T.G.; Lindgren, P.E.; Nyström, F.; Olsen, B.; Salaneck, E.; Nilsson, K. Spotted fever *Rickettsia* species in *Hyalomma* and *Ixodes* ticks infesting migratory birds in the European Mediterranean area. *Parasit. Vectors* **2014**, *7*. <https://doi.org/10.1186/1756-3305-7-318>

Disclaimer/Publisher's Note: The statements, opinions and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions or products referred to in the content.