

Appendix Table A4. Overview of studies included in the meta-analysis of spatial risk factors for tick-borne diseases and tick bites.

Citation	Cases	Controls	Age	Study dates	Outcome measure	Study type	Location
Aenishaenslin et al. 2017 [1]	42	2834	All	2014	disease	survey	Canada
Connally et al. 2009 [2]	364	349	All	2005-2007	disease	case control	CT
Mead et al. 2018[3]	91	840	All	2013	bite	case control	CT
Vazquez et al. 2008 [4]	285	557	All	2003	disease	case control	CT
Hinckley et al. 2015 bite [5]	1303	2502	All	2011-2012	bite	controlled trial	CT, MD, NY
Hinckley et al. 2015 disease [5]	1273	2461	All	2011-2012	disease	controlled trial	CT, MD, NY
Klein et al. 1996 [6]	42	42	Children	not specified	disease	case control	DE, MD, PA, NJ
Richards et al. 2015 [7]	22	13	Adults	2013	bite	controlled trial	KY, NC, OH, TN, VA, WV
Glass et al. 1995 [8]	47	492	not specified	1989-1990	disease	case control	MD
Bowen et al. 1984 [9]	20	1112	Adults	1981-1982	disease	case control	NJ
Schwartz & Goldstein 1990 [10]	39	633	Adults	1988	disease	case control	NJ
Schwartz et al. 1991 [11]	22	213	Adults	1989	bite	case control	NJ
Orloski et al. 1998 [12]	51	51	All	1993	disease	case control	NJ
Wallace et al. 1998 [13]	19	53	Adults	1995	disease	case control	NY
Townsend et al. 2003 [14]	88	492	All	2001-2002	disease	case control	NY
Smith et al. 1988 [15]	27	362	Adults	1986	disease	longitudinal	NY
Vaughn & Mesnick 2011 [16]	9	7	Adults	2008	bite	non-controlled trial	NC
Smith et al. 2001 [17]	294	449	All	1998	disease	case control	PA
Connally et al. 2006 [18]	47	47	All	2002-2003	disease	case control	RI
Finch et al. 2014 [19]	86	809	not specified	2005-2011	disease	longitudinal	RI
Belongia et al. 2001 [20]	17	45	All	1997-1998	disease	case control	WI

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