

TBE in Bosnia and Herzegovina

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E-CDC risk status: affected (last edited in May 2025, update for 2024: no data)

History and current situation

Very limited information is available for Bosnia showing the occurrence of TBE.⁷

Even though there have been some elder case reports in the northern parts of the country, including alimentary infections, details have not been published.³

In early 1996, United States military forces were deployed to Bosnia as part of Operation Joint Endeavor. Only 4 (0.42%) unvaccinated individuals, all males, demonstrated a 4-fold seroconversion. All 4 seemingly were infected with TBE virus (or a closely-related variant) during their 6–9-month deployment period in Bosnia, but did not report with symptoms to any health care provider.^{2,4,5}

The only official TBE case report data so far are from the Centralized Information System for Infectious Diseases ([CISID] – WHO: incidence of tick-borne encephalitis) where 1 case was reported in 2001, and 2 cases were reported in 2010, and additionally 5 cases of alimentary outbreak were reported in 2014 by the Institute of Public Health in Serbia (Institute of Public Health FBiH <https://www.zzjzfbih.ba/biblioteka/>) [Accessed October 2016].

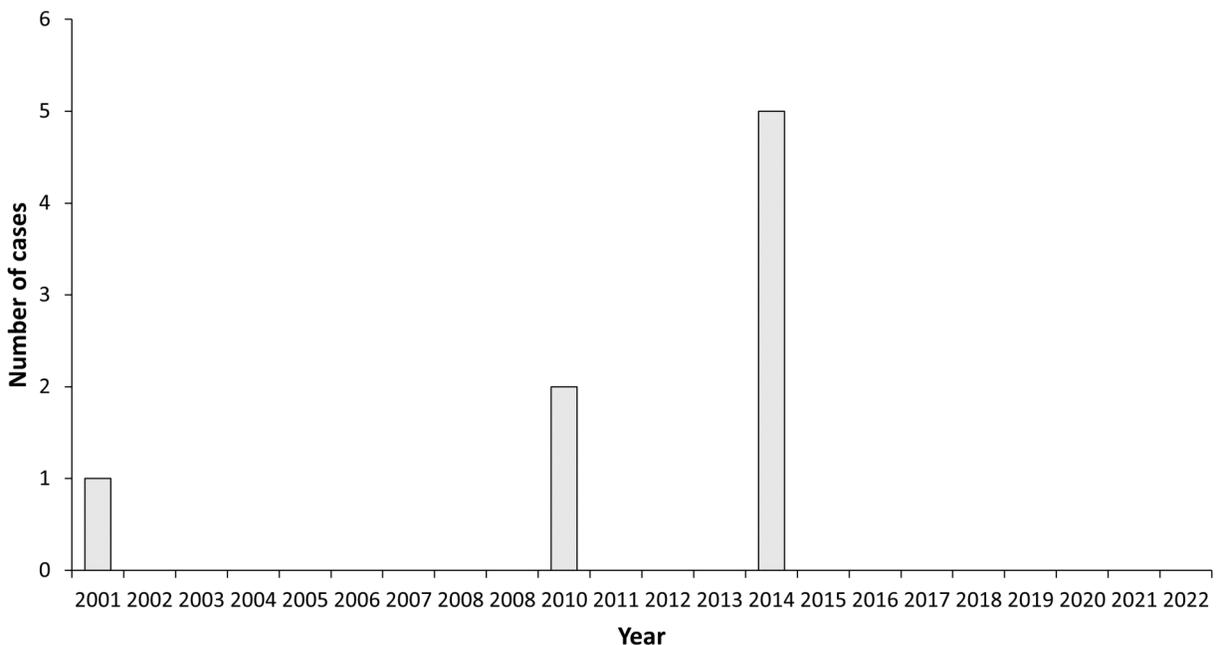
Overview of TBE in Bosnia and Herzegovina

Table 1: Virus, vector, transmission of TBE in Bosnia and Herzegovina

Viral subtypes, distribution	TBEV-SIB ^{1,2} , TBEV-EU?
Reservoir animals	There is a lack of data on TBEV-seroprevalence among wild animals ⁸
Infected tick species (%)	<i>I. ricinus</i> ^{1,2}
Dairy product transmission	Has been reported ³

However, the proven record about the spread of the TBE virus in Bosnia and Herzegovina is the isolation of five strains of the TBEV-Sib genotype 3 in *Ixodes ricinus*.^{1,2} Siberian TBEV strains from Bosnia, the Crimean Peninsula, Kyrgyzstan and Kazakhstan are clustered into a newly described Bosnia lineage.³

Figure 1: Burden of TBE in Bosnia and Herzegovina over time^{2,4,5,7}. Update for 2024: no data



Source Data: Appendix—Figure 1

Appendix

Source data: Figure 1

Year	Number of cases
2001	1
2002	
2003	
2004	
2005	
2006	
2007	
2008	
2008	
2010	2
2011	
2012	
2013	
2014	5
2015	
2016	
2017	
2018	
2019	
2020	
2021	
2022	

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