

# TBE in Bosnia and Herzegovina

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**E-CDC risk status: affected** (last edited in June 2026, update for 2025: 0 cases reported in 2025)

## History and current situation

Very limited information is available for Bosnia showing the occurrence of TBE.<sup>7</sup>

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

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.<sup>2,4,5</sup>

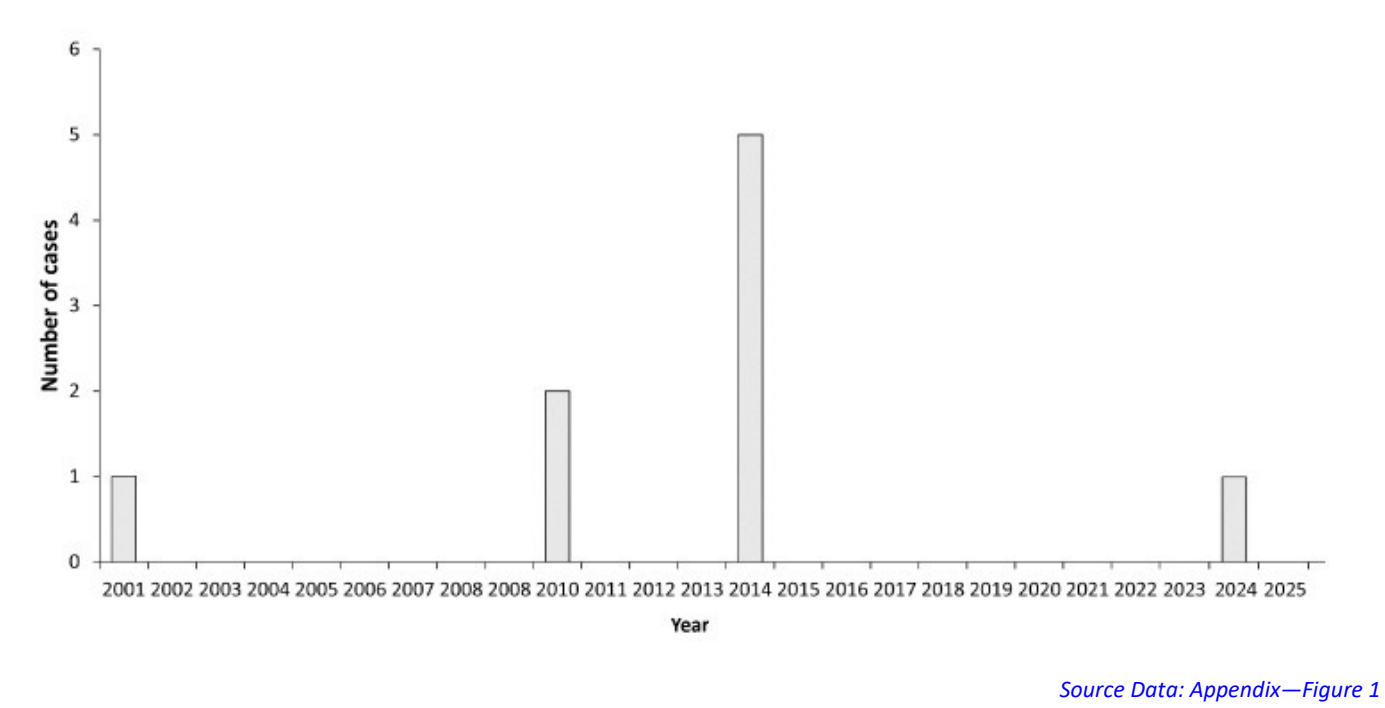
The only official TBE case report data so far are from the Centralized Information System for Infectious Diseases ([CISID] – WHO: incidence of tick-borne encephalitis) where 1 case was reported in 2001, and 2 cases were reported in 2010, and additionally 5 cases of alimentary outbreak were reported in 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 <sup>1,2</sup> , TBEV-EU?                                             |
| Reservoir animals                                                     | There is a lack of data on TBEV-seroprevalence among wild animals <sup>8</sup> |
| Infected tick species (%)                                             | <i>I. ricinus</i> <sup>1,2</sup>                                               |
| Dairy product transmission                                            | Has been reported <sup>3</sup>                                                 |

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*.<sup>1,2</sup> Siberian TBEV strains from Bosnia, the Crimean Peninsula, Kyrgyzstan and Kazakhstan are clustered into a newly described Bosnia lineage.<sup>3</sup>

**Figure 1: Burden of TBE in Bosnia and Herzegovina over time**<sup>2,4,5,7</sup>. Update for 2025: 0 cases reported.



## 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 |                 |
| 2023 |                 |
| 2024 | 1               |
| 2025 |                 |

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