

**ONLINE SUPPLEMENTARY CONTENTS****Table SI - Anti-TBEV IgG antibody prevalence in blood donors vaccinated or not against TBEV, without excluding individuals with vaccination against or infection with other flaviviruses**

Blood donors	Blood donors indicating vaccination	TBEV IgG ELISA positive	Prevalence	CI, lower limit	CI, upper limit	p
<b>Vaccinated against TBEV</b>						
All	2,293	1,865	81.3%	78.7%	83.8%	
Female	802	676	84.3%	79.9%	88.1%	0.0731
Male	1,491	1,189	79.8%	76.3%	82.9%	
Age <40	794	679	85.5%	81.3%	89.2%	0.0005
Age ≥40 to <55	915	741	81.0%	76.7%	84.8%	
Age ≥55	584	445	76.2%	70.3%	81.4%	
Endemic region	1,156	967	83.7%	80.0%	86.9%	0.0506
Border region	590	475	80.5%	75.0%	85.3%	
Non-endemic region	547	423	77.3%	71.3%	82.6%	
<b>Not vaccinated against TBEV</b>						
All	7,035	416	5.9%	5.2%	6.7%	
Female	2,794	109	3.9%	2.9%	5.1%	<0.0001
Male	4,241	307	7.2%	6.1%	8.5%	
Age <40	1,880	190	10.1%	8.1%	12.4%	<0.0001
Age ≥40 to <55	2,770	127	4.6%	3.5%	5.9%	
Age ≥55	2,385	99	4.2%	3.0%	5.6%	
Endemic region	1,926	135	7.0%	5.3%	9.0%	0.0155
Border region	1,993	131	6.6%	5.0%	8.5%	
Non-endemic region	3,116	150	4.8%	3.7%	6.1%	

**Table SII - Anti-TBEV IgG seropositivity rates of non-TBEV-vaccinated blood donors according to the sites of their blood donation, without excluding individuals with vaccination against or infection with other flaviviruses**

Endemicity	Canton	N. of blood donation sites	Blood donors indicating no TBEV vaccination	TBEV IgG ELISA positive	Prevalence
<b>Endemic</b>	Aargau	4	93	6	6.5%
	Bern	21	939	72	7.7%
	Fribourg	5	131	15	11.5%
	Luzern	11	415	20	4.8%
	Nidwalden	3	149	12	8.1%
	Obwalden	1	32	2	6.3%
	St. Gallen	1	34	1	2.9%
	Solothurn	1	18	1	5.6%
	Uri	1	17	1	5.9%
	Vaud	5	98	5	5.1%
<b>Border region</b>	Appenzell Ausserrhoden	1	32	1	3.1%
	Bern	2	315	11	3.5%
	Basel Land	1	27	3	11.1%
	Basel Stadt	1	725	58	8.0%
	St. Gallen	4	75	5	6.7%
	Thurgau	1	22	3	13.6%
	Vaud	8	797	50	6.3%
<b>Non-endemic</b>	Appenzell Innerhoden	1	43	5	11.6%
	Appenzell Ausserrhoden	2	48	2	4.2%
	Genève	1	1	0	0.0%
	Graubünden	1	20	2	10.0%
	St. Gallen	7	555	42	7.6%
	Ticino	17	948	43	4.5%
	Vaud	24	1,501	56	3.7%

Seroprevalence rates in non-endemic (0.0-11.6%) and border regions (3.1-13.6%) are as high as those in endemic regions (2.9-11.5%). p-values were calculated using Chi square test with Bonferroni correction.