

Trichinella, Echinococcus, Anisakis and Toxoplasma in the Slovak Republic in 2020-2021

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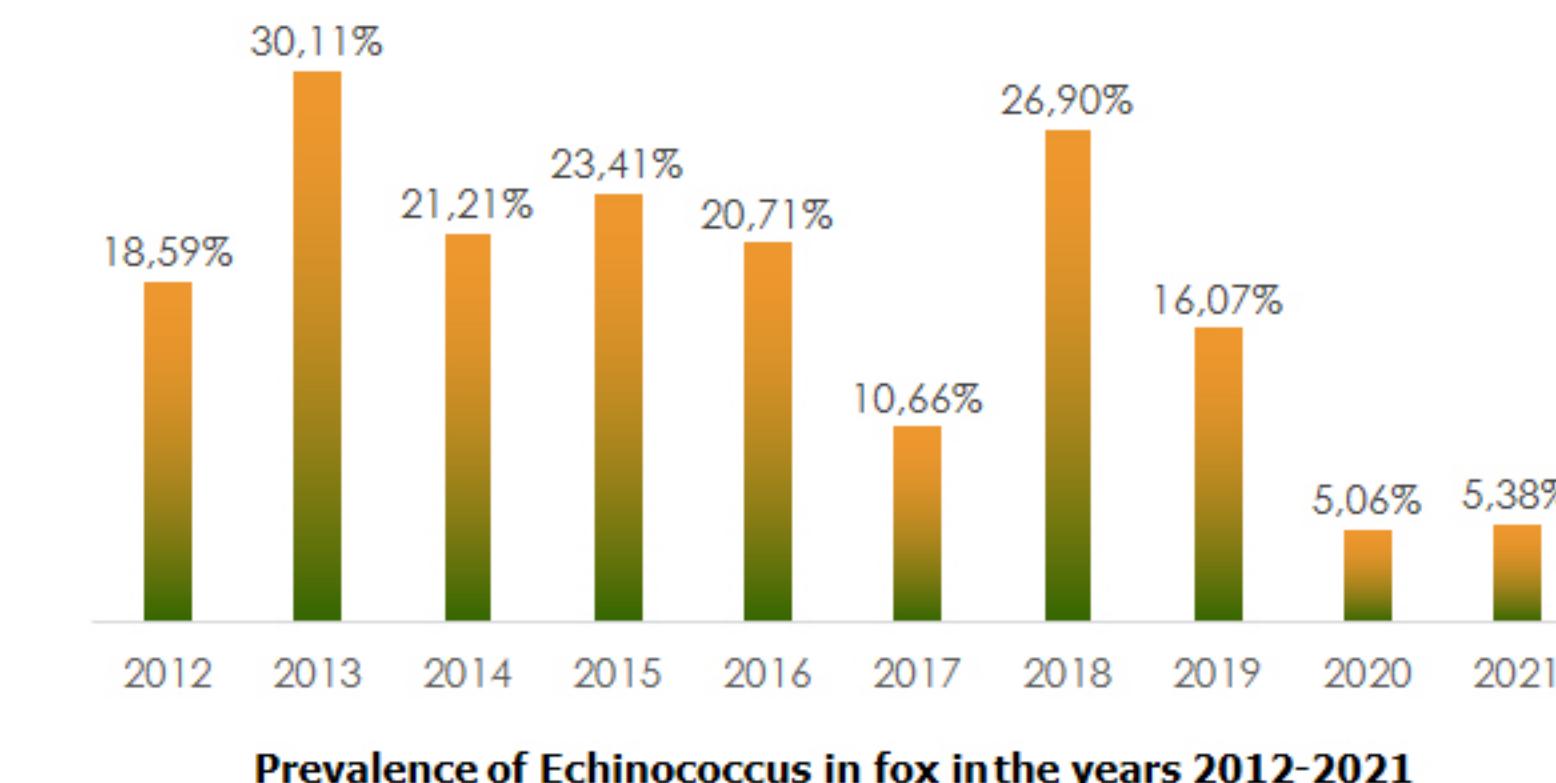
Examined and positive animals

Trichinella

Animal species	2020	2021
pig	690 366 / 0	676254 / 0
wild boar	11 215 / 7	13 072 / 0
fox	79 / 0	93 / 3
bear	0	3 / 0

Echinococcus

Animal species	2020	2021
pig	689 446 / 18	675 234 / 43
cattle	36 656 / 0	34 771 / 0
sheep	11 174 / 136	6 448 / 775
goat	108 / 0	91 / 0
fox	79 / 4	93 / 5
dog	1 999 / 0	2 420 / 0
other	726 / 0	864 / 0



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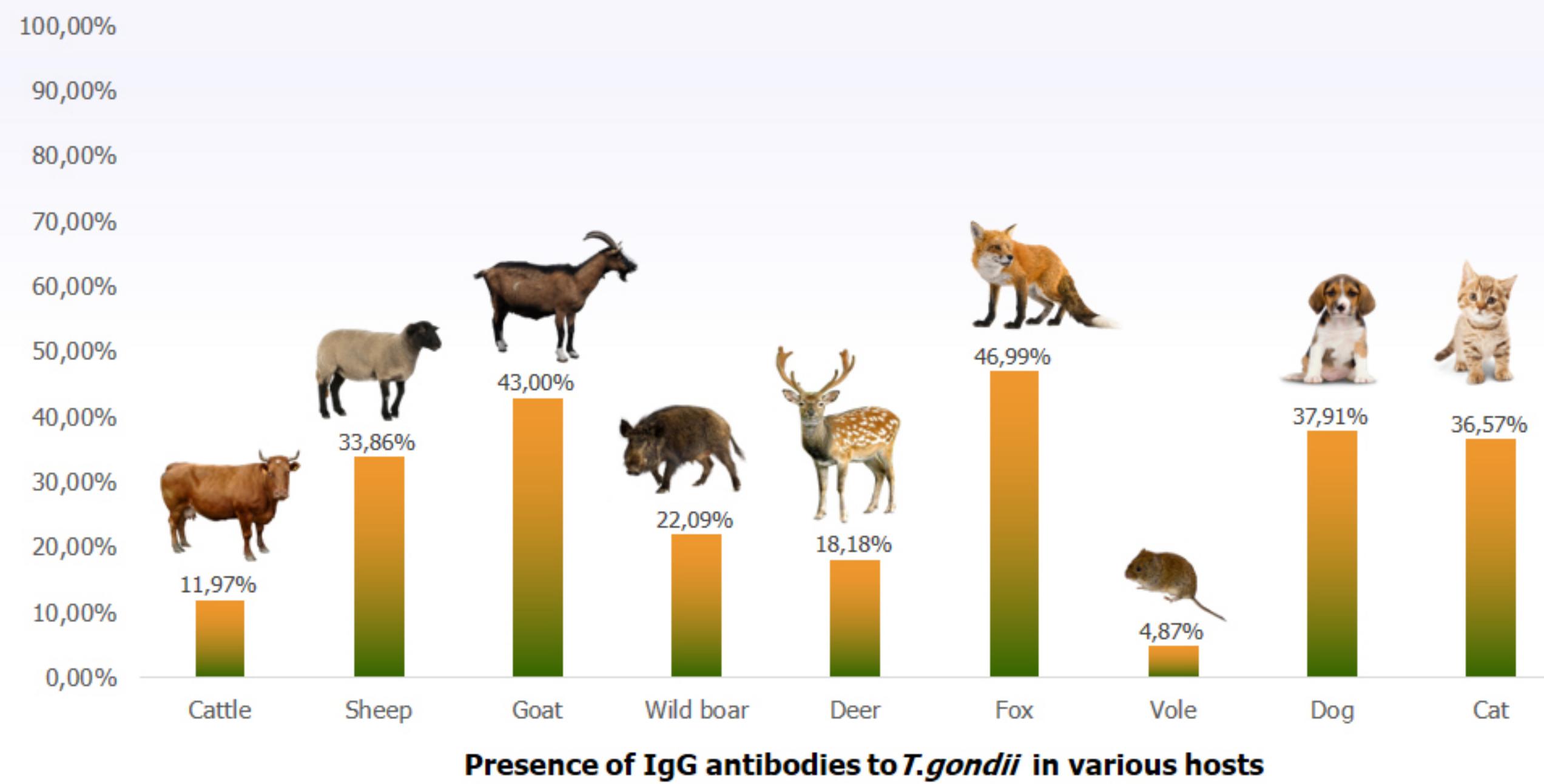


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Toxoplasma

Blood and meat juices: 4889 samples / **1062 positive**

Faeces: 1383 samples / **11 positive**



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Anisakidae

2020: 57 samples / **2 positive**
(canned cod liver, import from
abroad: Island)



2021: 29 samples / **6 positive**
(frozen fish fillets, import from
abroad: Ireland, Spain, China)



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National PTs

The last national PT was in 2019.
18 participating laboratories
3 proficiency samples
2 positive samples: small (3 to 5 larvae/capsules) and medium (6 to 12)
1 sample was negative control

All 18 participating laboratories were successful
No false positive or false negative samples
No statistical difference between the laboratory using validated or accredited tests in the diagnostic field.
No evident correlation between the number of tested samples or practical experience of laboratory staff and the quality of the results.

Training program for laboratories

Courses for employees of official laboratories focusing on controls for Trichinella sp. in meat by magnetic stirrer method for pooled-sample digestion according to the COMMISSION IMPLEMENTING REGULATION (EU) 2015/1375. Courses has ended by practical testing the diagnostical knowledge of participants.

July 2021: 1 course

March, April, May and June 2021: 5 courses

May 2022: 2 courses

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Thank you for your attention