

# Czech National Reference Laboratory for Parasites

NRL for Parasites,  
State Veterinary Institute Olomouc  
Jiří Harna



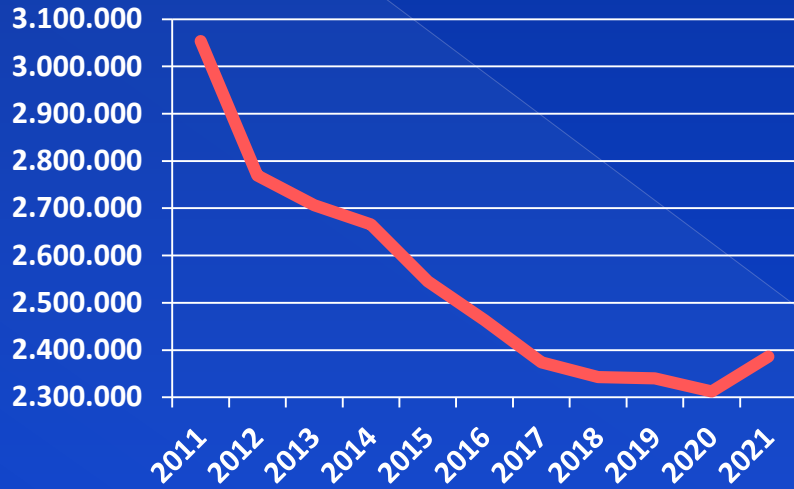
# Trichinella Prevalence in the Czech Republic in 2020 and 2021

- **White pigs** – 2 312 065 white pigs were examined in 2020 and 2 385 961 in 2021 with no positive findings
- **Wild boars** – 182 091 in 2020 and 232 355 in 2021 wild boars were examined, again with no positive findings
- Others
  - > **Horses** 2020 – 98 examined – 0 Positive  
2021 – 77 examined – 0 Positive
  - > **Foxes** 2020 – 2 692 examined – 2 Positive (both *T. Britovi*)  
2021 – 2 758 examined – 3 Positive (all *T. Britovi*)
  - > There were also 2 positive findings in **raccoon dogs** in 2020 (*T. Spiralis* + *T. Britovi*)

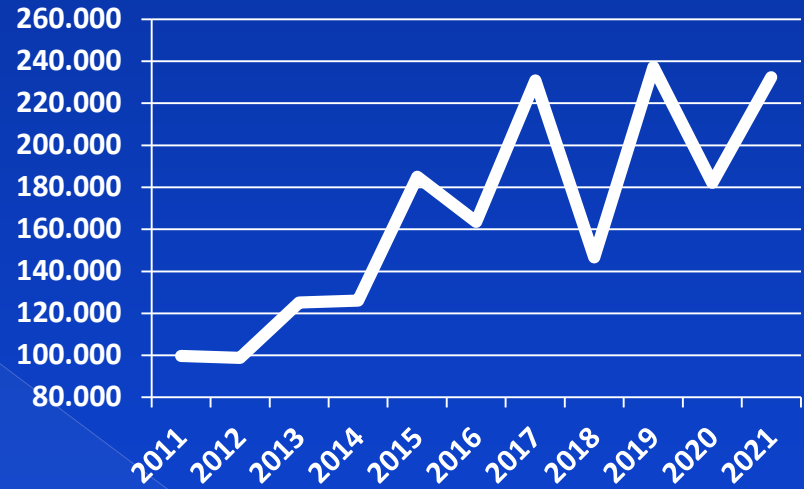


# Number of Examined Animals in 2020 and 2021

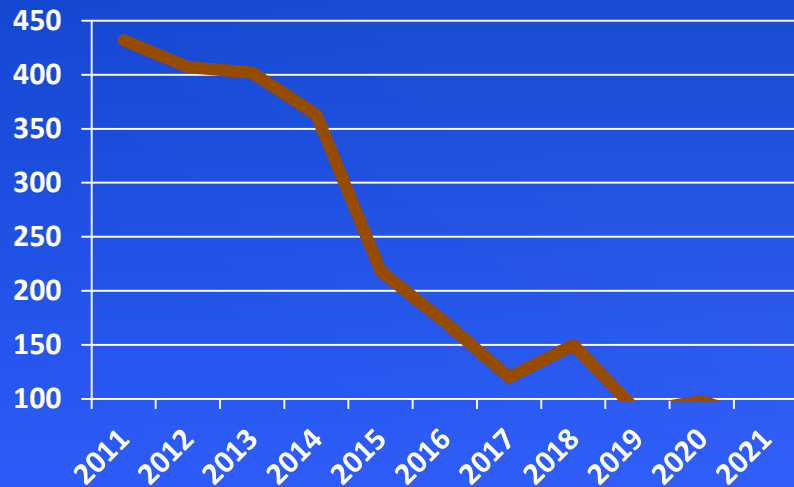
## White Pigs



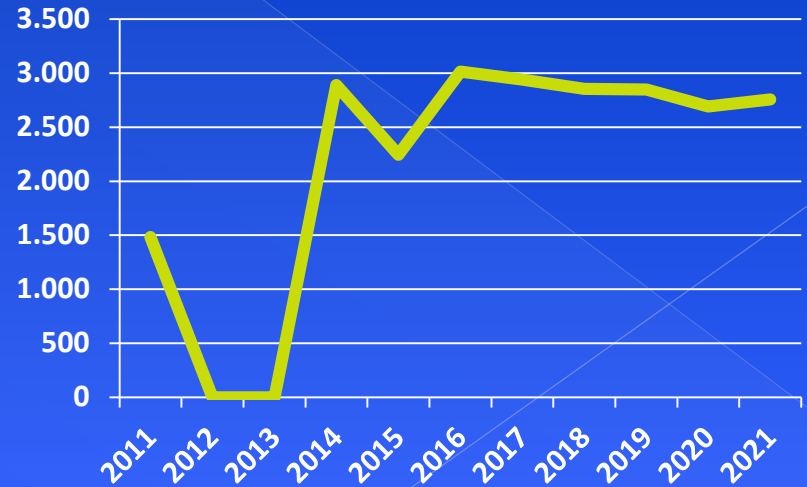
## Wild Boars



## Horses



## Foxes



# Czech National PT – Short History

- PT tests in the Czech Republic are always a copy of the EURPL test. When EURPL provides us with 10 samples, we also provide 10 samples. When EURLP provides 3, we also provide 3 samples. Our PT test is prepared by the Veterinary University in Brno by Prof. Bretislav Koudela.
- The tests are prepared at the university by the professor, who has years of experience.
- Tests are also evaluated in cooperation with the university, which also guarantees independence and professionalism.



# National PT - 2021

- The tests are prepared by Professor Koudela at the Veterinary University in Brno
- The laboratories are tested once every two years
- Because the State Veterinary Administration finances this, it has defined a 2-year testing cycle
- The required report was for 2020 and 2021, so we only have one Czech National PT
- 99% of the total *Trichinella* samples are examined by 10 civil labs and 1% of these samples are examined by 5 military labs



Date	Laboratory		Corrective measures
4/2021	SVÚ Praha	+	
4/2021	SVÚ Praha (d. p. Český Brod)	+	
4/2021	SVÚ Praha (d. p. Hradec Králové)	+	
4/2021	SVÚ Praha (d. p. Příbram)	+	
4/2021	SVÚ Jihlava	+	
4/2021	SVÚ Jihlava (d. p. České Budějovice)	+	
4/2021	SVÚ Jihlava (d. p. Planá nad Lužnicí)	+	
4/2021	SVÚ Olomouc (d. p. Brno)	+	
4/2021	SVÚ Olomouc (d. p. Bučovice)	+	
4/2021	VHS Jatky Světlá Hora	-	Control visit 05/2021 – training with digestion of pos. sample
4/2021	VVÚ Hlučín (p. Hranice na Moravě)	+	
4/2021	VVÚ Hlučín (p. Jince)	+	
4/2021	VZ Hlučín (p. Praha)	+	
4/2021	VZ Hlučín (p. Radošov – Bochov)	+	
4/2021	VVS Boletice	+	

# Czech Prices for *Trichinella* Diagnostics

- White pig (fattening) – 0.55 Euro / animal
- Wild boar, fox, badger – 3.75 Euro / animal

The price includes transportation of samples (every Institute has its own transport service), laboratory work (2 shifts – morning and afternoon work) and administration (protocols by email and post)



Thank you for your attention.

