

**Thirteenth Workshop of National Reference Laboratories for Parasites
24-25 May, 2018
Istituto Superiore di Sanita, Rome, Italy**



**CROATIAN NATIONAL REFERENCE LABORATORY FOR PARASITES
(GENUS *TRICHINELLA*)**

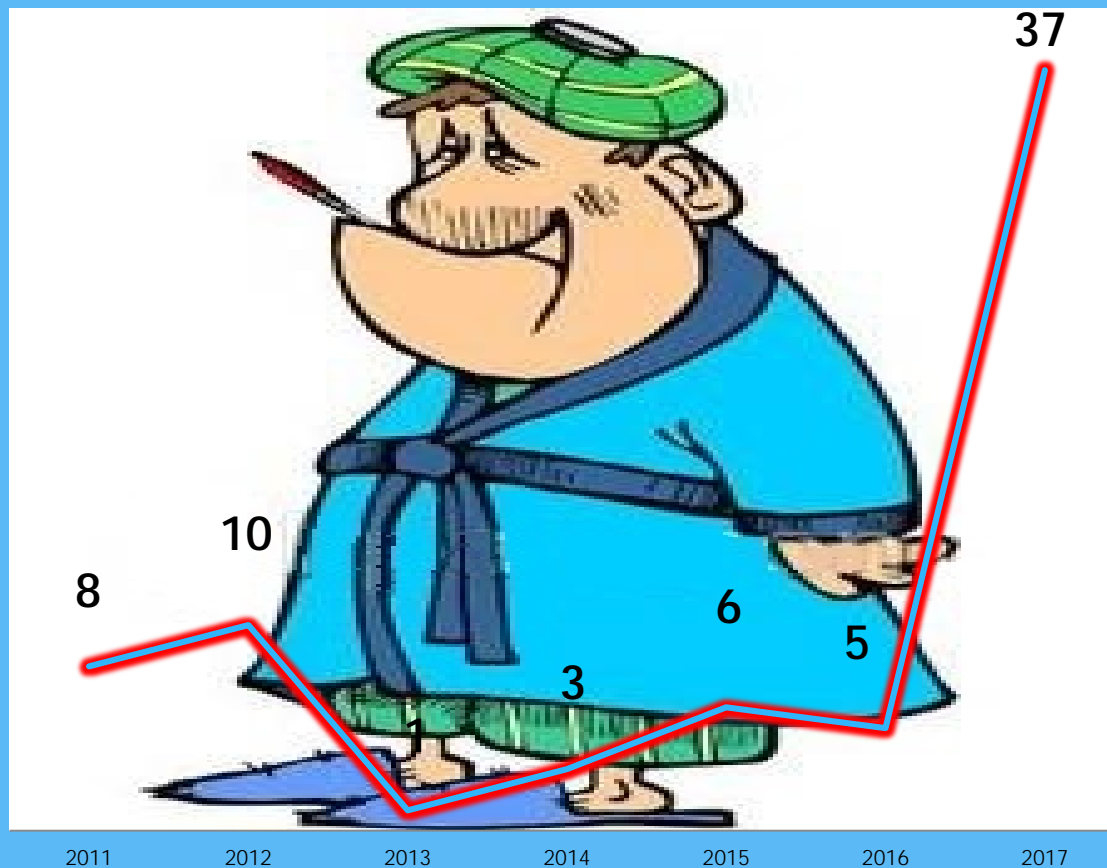
Davor Balić, DVM, PhD, Croatian Veterinary Institute, Department Vinkovci

Marija Agičić, DVM, Croatian Veterinary Institute, Department Vinkovci

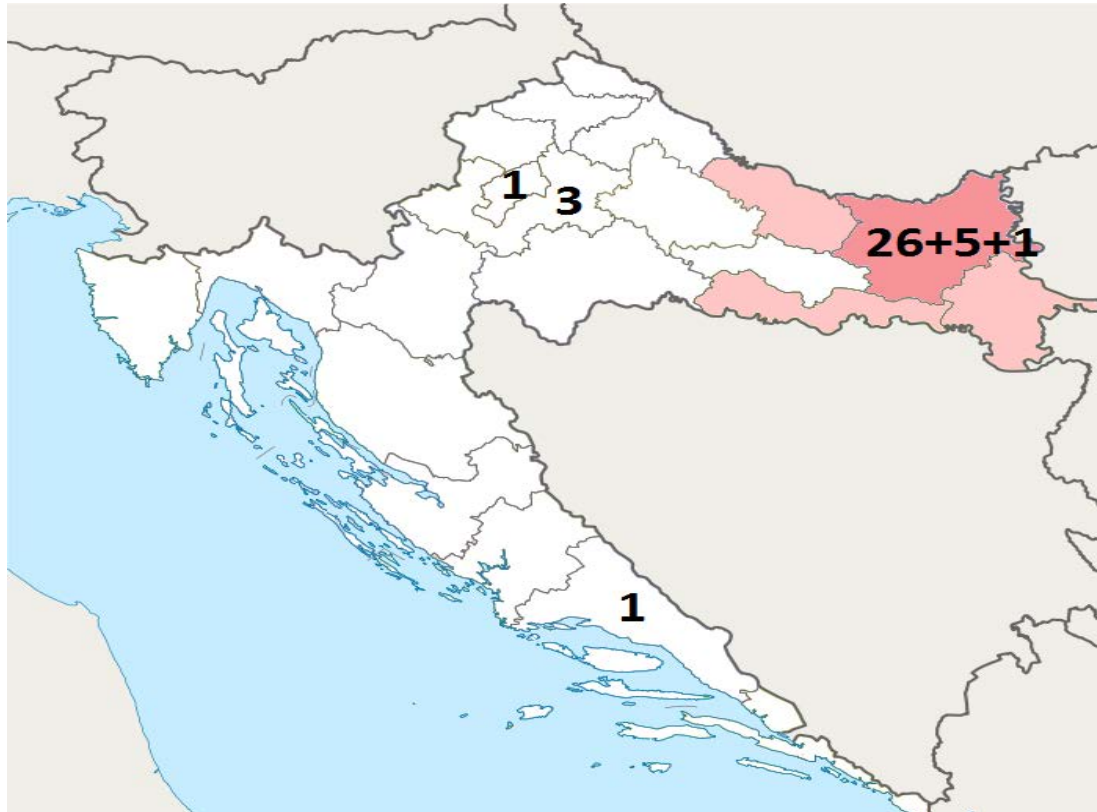
Sanja Kurečić Filipović, MD, PhD, Croatian Institute of Public Health, Department of Infectious Disease and Epidemiology,
Zagreb

EPIDEMIOLOGICAL SITUATION (2011- 2017)

Registered cases of human trichinellosis in the Republic of Croatia (2011-2017)

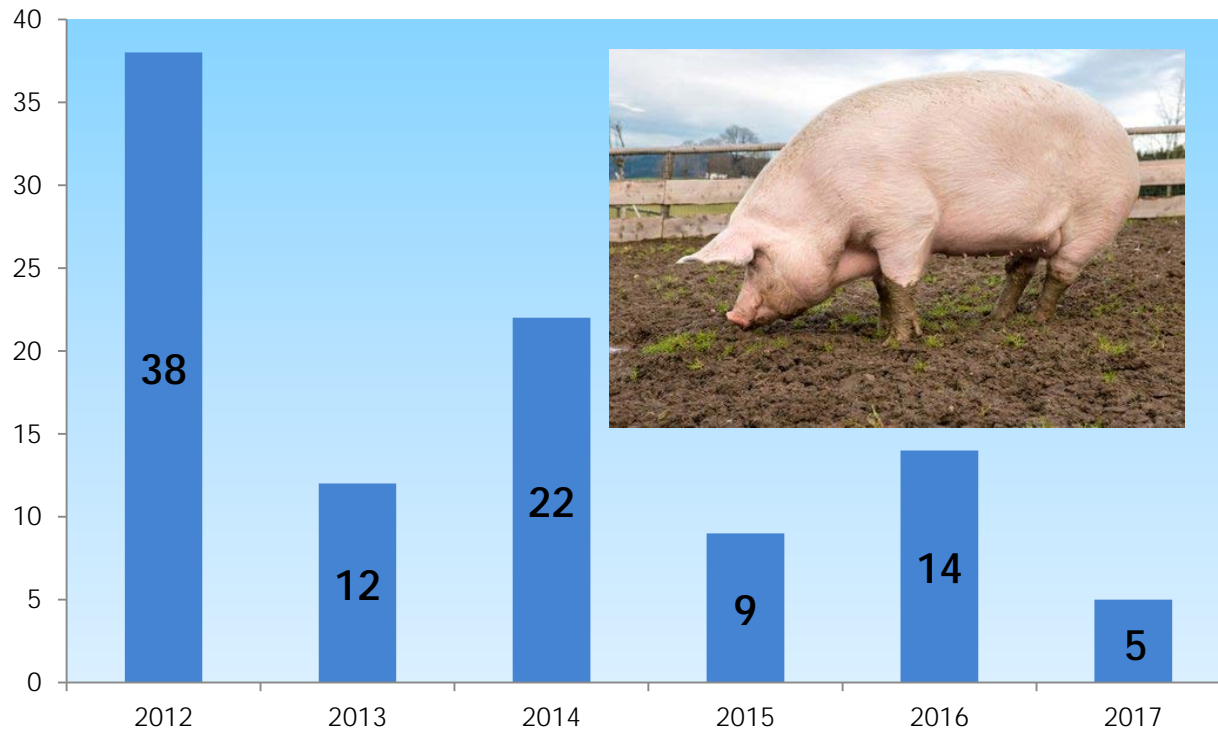


DISTRIBUTION OF HUMAN TRICHINELLOSIS IN 2017



Two epidemics and one sporadic case, with the largest number of affected persons, were recorded in parts of Croatia considered endemic for trichinellosis. The third epidemic and the second sporadic case were registered in central Croatia, and the third sporadic case in coastal Croatia.

EPIZOOTIOLOGICAL SITUATION 2012-2017: SWINE POSITIVE FOR TRICHINELLA INFECTION



All positive samples found in swine carcasses originated from private family farms that slaughtered for home use.

In 2017, positive carcasses were found on three private farms in only one county.

SAMPLE, SPECIES AND NUMBER OF PCR DETERMINED *TRICHINELLA* SPP.

Sample	<i>Trichinella</i> spp.	Number of isolates
Wild boar	<i>T. spiralis</i>	4
Wild boar	<i>T. britovi</i>	7
Wild boar	<i>T. pseudospiralis</i>	2*
Swine	<i>T. spiralis</i>	5
Bear	<i>T. spiralis</i>	1**
Fox	<i>T. britovi</i>	8
Home made products	<i>T. spiralis</i>	3

*The first findings of the species *T. pseudospiralis* in a wild boar sample in Croatia.

**The first finding of the species *T. spiralis* in a bear sample in Croatia.