First records of adult *Hyalomma* ticks in Sweden

Our citizen science study yielded 41 specimens of adult *Hyalomma* ticks, which had been found on horses, cattle or humans. *Hyalomma* ticks had previously only rarely been found in Sweden and then only at immature stages.

The rapidly changing climate in northern Europe seems to permit these tick species now to develop to adulthood.

Molecular testing of 20 ticks for Crimean-Congo haemorrhagic fever virus and for piroplasms (*Babesia* spp. and *Theileria* spp.) proved negative; but 12 ticks tested positive for *rickettsiae*.

We see a need to revise the risk maps for the potential geographic occurrence of ticks and tick-borne infections in Sweden and the neighboring countries.


Bottom: *Hyalomma marginatum*, illustration by Disa Eklöf, National Veterinary Institute