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Brucellosis in European wild-boars

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Brucellosis is an important zoonotic disease. Most European countries are free from brucellosis in livestock; however, it does occur in both terrestrial and marine wild-life species. Wild boars reservoir several zoonotic diseases and are hunted mainly in central European countries for food and recreation. Owing to its zoonotic and public health importance, published reports of brucellosis in wild boars in the last thirty years were collected from online public databases. A total of 24 reports were found from 14 countries i.e. five reports from Italy, three from Switzerland, two each from the Czech Republic, Germany, Poland, and Croatia, and 1 each from Slovenia, Ukraine, Denmark, Latvia, Sweden, Belgium, Netherlands and Iberian Peninsula (Spain and Portugal). The highest combined prevalence was found in Belgium 54.88% (641/1168), followed by Iberian Peninsula 33% (1470/4454), Croatia 25% (172/688), Poland 23.2% (1077/4642), Latvia 22.51% (235/1044), Switzerland 18.71% (426/2277), Germany 16.69% (275/1648), Italy 14.11% (557/3947), Czech Republic 8.47% (20/236), Netherlands 6.37% (131/2057) and Ukraine 4.99% (67/1344). Serology remained the main tool of diagnosis. *Brucella suis* biovar 2 was the main isolated species, and *B. suis* bv 3 was also found in Croatia. There is no vaccine available against porcine brucellosis. Protective measures and measures to reduce contact with domestic animals remain indispensable.

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