

Trends in salmonellosis, campylobacteriosis, and other foodborne zoonoses in the EU

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Food- and waterborne diseases and zoonoses (FWD) programme – General goals



Monitor trends



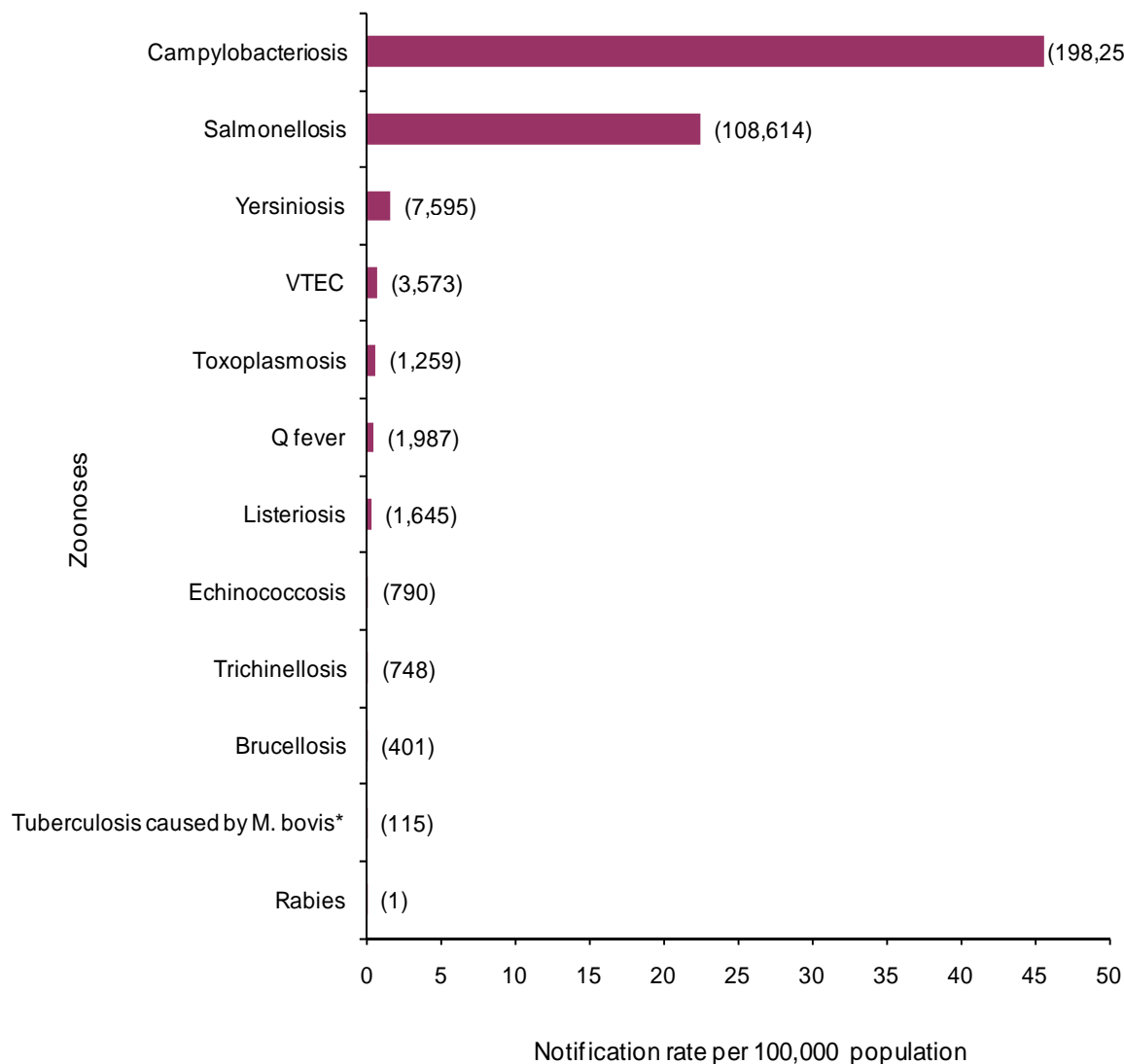
Enhance detection and investigation of multi-country food-borne outbreaks



By strengthening

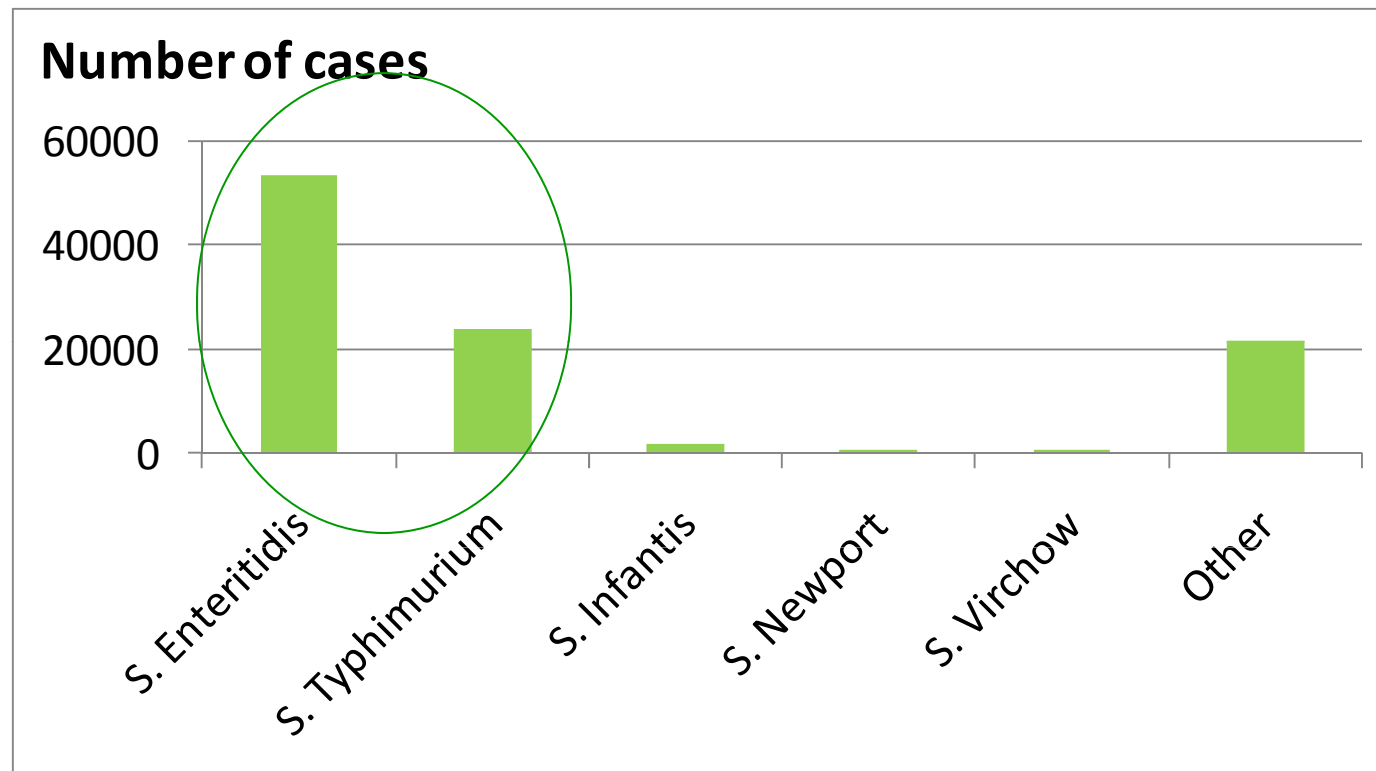
- integrated/linked surveillance in humans, food, feed and animals
- collaboration between public health, food, feed and veterinary authorities
- laboratory capacity in MSs

Selected zoonoses in humans: notification rates in EU in 2009



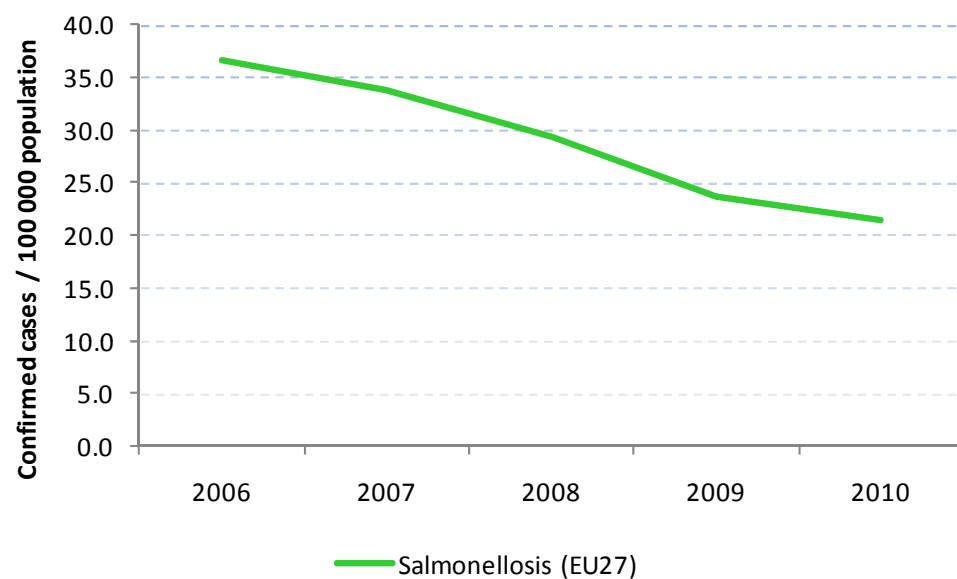
Source: European Union Summary Report on trends and sources of zoonoses, zoonotic agents and foodborne outbreaks 2009

Most common *Salmonella* serotypes in humans, 2009

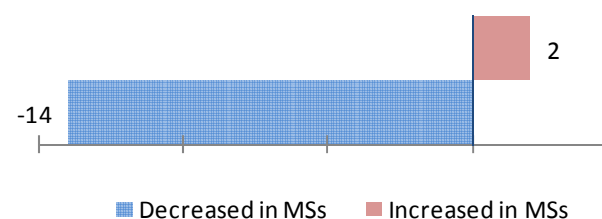


3/4 of human *Salmonella* infections caused by *S. Enteritidis* and *S. Typhimurium* (77 000 infections reported in 2009)

Trend of salmonellosis, 2006-2010



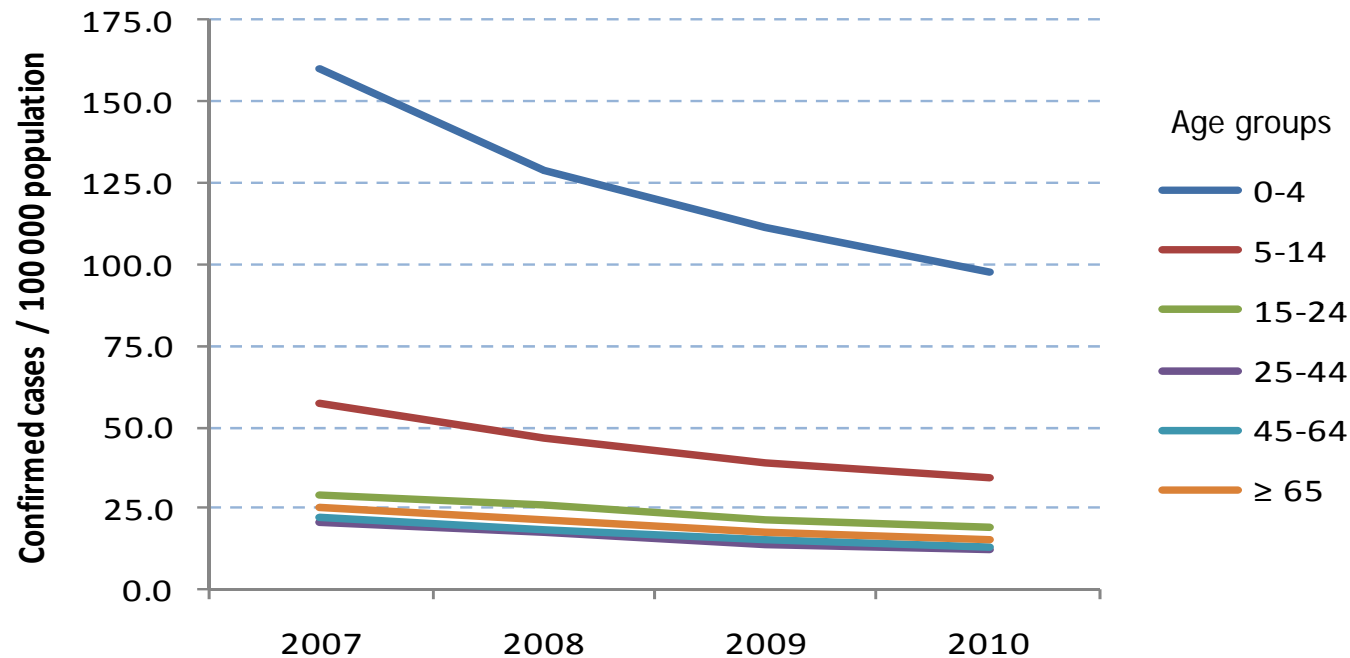
Notable salmonellosis 5-year trends, 2006-2010



Decreased relative risk by 43% from 2006 to 2010*

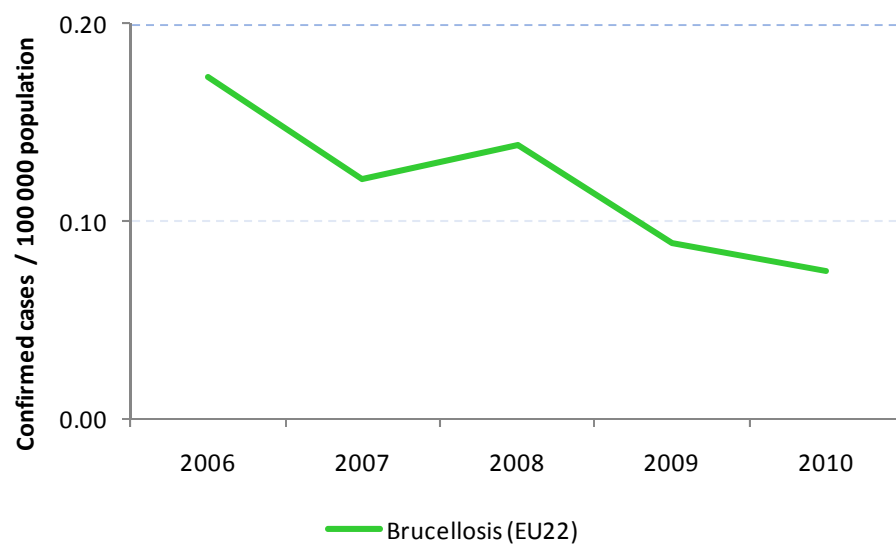
*Preliminary data from the European Surveillance System, TESSy

Trend of *Salmonella* Enteritidis by age groups in 23 EU Member States

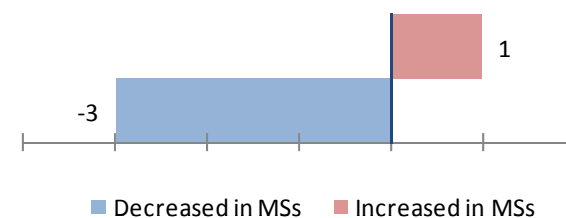


Decreasing trend across age groups in EU

Trend of brucellosis, 2006-2010



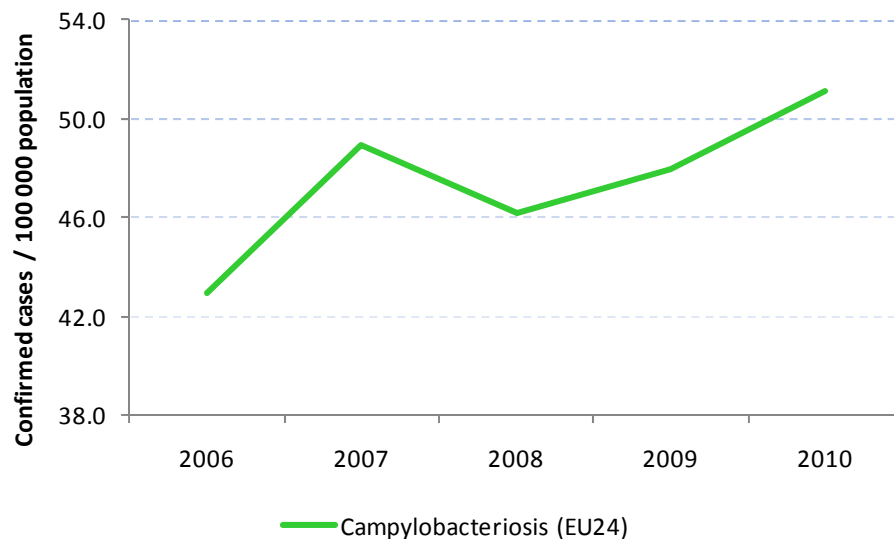
Notable brucellosis 5-year trends, 2006-2010



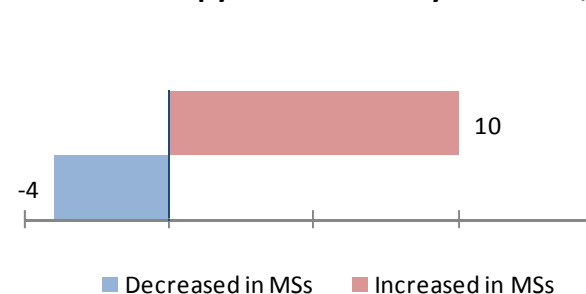
Decreased relative risk by 53% from 2006 to 2010*

*Preliminary data from the European Surveillance System, TESSy

Trend of campylobacteriosis, 2006-2010



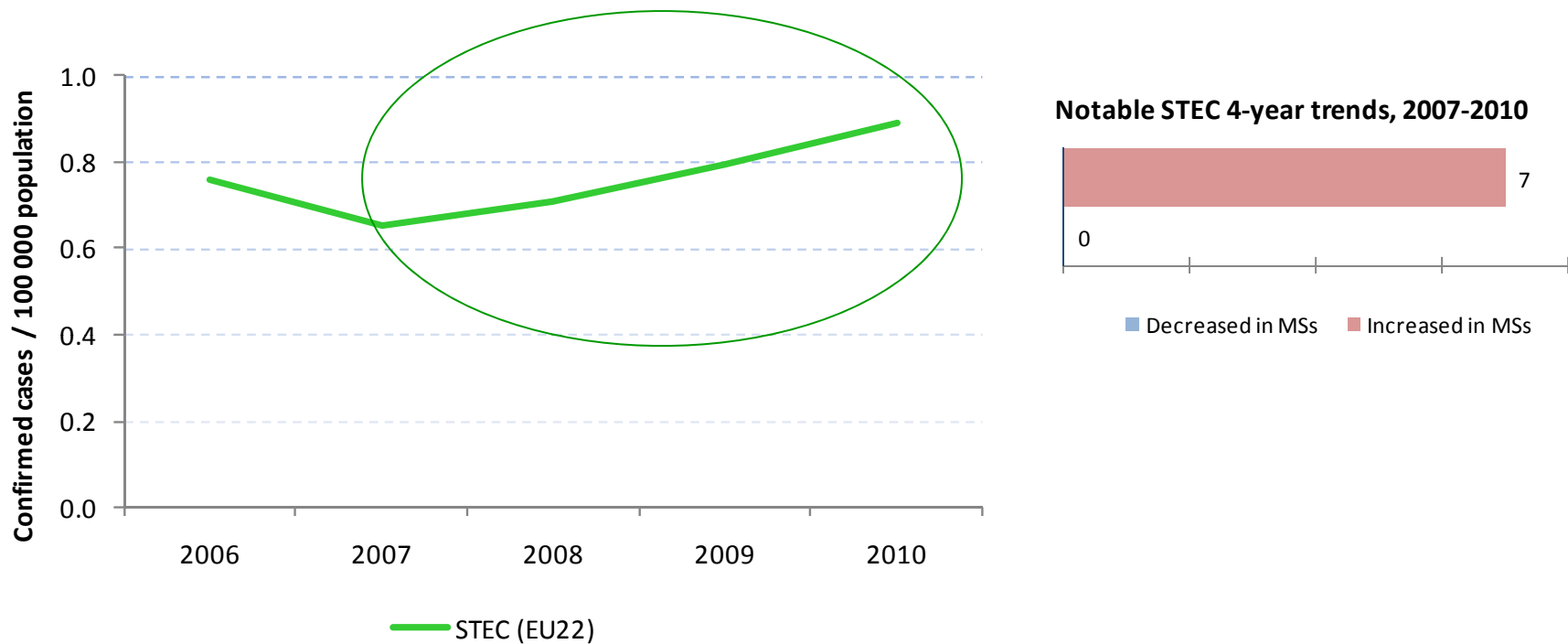
Notable campylobacteriosis 5-year trends, 2006-2010



Increased relative risk by 19% from 2006 to 2010*

*Preliminary data from the European Surveillance System, TESSy

Trend of Shiga toxin –producing *E. coli* (STEC) in the EU



Increased relative risk by 37% from 2007 to 2010*

*Preliminary data from the European Surveillance System, TESSy

Conclusions on EU trends in selected zoonoses



Reported *Salmonella* infections decreased

- across EU Member States
- across populations
- particularly for serotype *Salmonella* Enteritidis

Reported *Brucella* infections decreased

Reported *Campylobacter* infections increased

Reported STEC infections increased

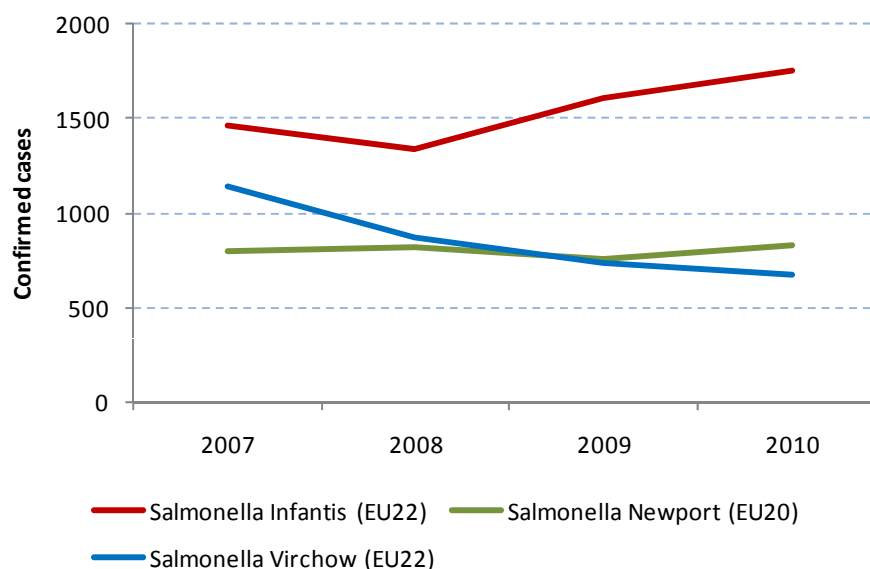
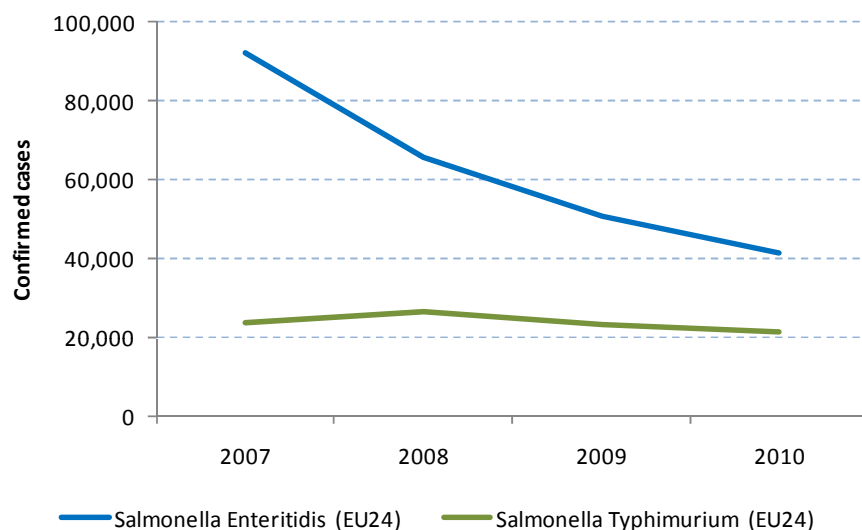




Escherichia coli

THANK YOU

Trends in *Salmonella* top five serotypes, 2007-2010



Decreasing EU trend*:

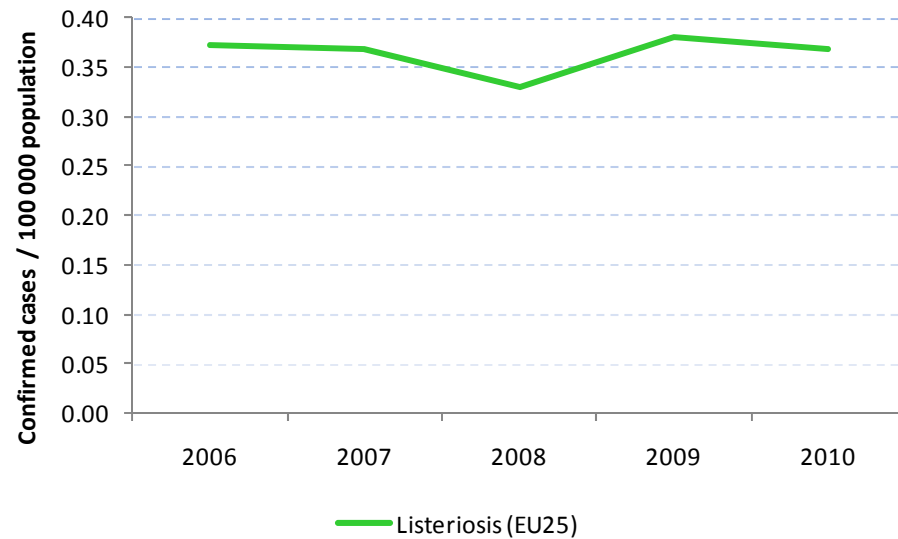
Salmonella Enteritidis (13 MSs)

Salmonella Virchow (9 MSs)

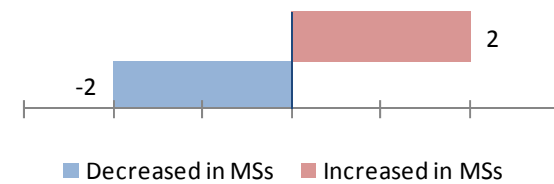
Note Salmonella Infantis, no real increase in EU, reporting factor (France)

*Preliminary data from the European Surveillance System, TESSy

Trend of listeriosis, 2006-2010



Notable listeriosis 5-year trends, 2006-2010



No trend