

Montenegro

TRENDS AND SOURCES OF ZOONOSES AND ZONOTIC AGENTS IN FOODSTUFFS, ANIMALS AND FEEDINGSTUFFS

including information on foodborne outbreaks,
antimicrobial resistance in zoonotic and indicator bacteria
and some pathogenic microbiological agents

IN 2016

PREFACE

This report is submitted to the European Commission in accordance with Article 9 of Council Directive 2003/99/EC*. The information has also been forwarded to the European Food Safety Authority (EFSA).

The report contains information on trends and sources of zoonoses and zoonotic agents in Montenegro during the year 2016.

The information covers the occurrence of these diseases and agents in animals, foodstuffs and in some cases also in feedingstuffs. In addition the report includes data on antimicrobial resistance in some zoonotic agents and indicator bacteria as well as information on epidemiological investigations of foodborne outbreaks. Complementary data on susceptible animal populations in the country is also given. The information given covers both zoonoses that are important for the public health in the whole European Union as well as zoonoses, which are relevant on the basis of the national epidemiological situation.

The report describes the monitoring systems in place and the prevention and control strategies applied in the country. For some zoonoses this monitoring is based on legal requirements laid down by the European Union legislation, while for the other zoonoses national approaches are applied.

The report presents the results of the examinations carried out in the reporting year. A national evaluation of the epidemiological situation, with special reference to trends and sources of zoonotic infections, is given. Whenever possible, the relevance of findings in foodstuffs and animals to zoonoses cases in humans is evaluated.

The information covered by this report is used in the annual European Union Summary Reports on zoonoses and antimicrobial resistance that are published each year by EFSA.

* Directive 2003/ 99/ EC of the European Parliament and of the Council of 12 December 2003 on the monitoring of zoonoses and zoonotic agents, amending Decision 90/ 424/ EEC and repealing Council Directive 92/ 117/ EEC, OJ L 325, 17.11.2003, p. 31

List of Contents

TEXTFORMS	3
1 ANIMAL POPULATIONS	3
1.1 Populations	3
1.1.1 Information on susceptible animal population	3
2 INFORMATION ON SPECIFIC ZONOOSES AND ZOOBOTIC AGENTS	4
2.1 LISTERIOSIS	4
2.1.1 Listeria in foodstuffs	4
2.1.1.1 L. monocytogenes in food - All foodstuffs - food sample	4
ANIMAL POPULATION TABLES	6
DISEASE STATUS TABLES FOR BRUCELLA	7
Bovine brucellosis in countries and regions that do not receive Community co-financing for eradication programme	7
Ovine or Caprine brucellosis in countries and regions that do not receive Community co-financing for eradication programme	8
DISEASE STATUS TABLES FOR MYCOBACTERIUM	9
Bovine tuberculosis in countries and regions that do not receive Community co-financing for eradication programme	9
PREVALENCE TABLES	10
COXIELLA	10
animal	10
LISTERIA	11
food	11
SALMONELLA	15
animal	15
food	16
feed	21
TRICHINELLA	22
animal	22
FOODBORNE OUTBREAKS TABLES	23
AMR TABLES FOR CAMPYLOBACTER	27
AMR TABLES FOR SALMONELLA	28
AMR TABLES FOR ESCHERICHIA COLI	29
OTHER AMR TABLES	30
ESBL	31
LATEST TRANSMISSIONS	33

1 ANIMAL POPULATIONS

The relevance of the findings on zoonoses and zoonotic agents has to be related to the size and nature of the animal population in the country

1.1 Populations

1.1.1 Information on susceptible animal population

Sources of information

Database of the Administration for food safety, veterinary and phytosanitary affairs

Sources of information

Data belong to the Administration for Food Safety, Veterinary and Phytosanitary affairs

Dates the figures relate to and the content of the figures

Number of animals = number of animals at a certain time point of the year. Number of slaughtered animals = total number of slaughtered animals during the year.

Definitions used for different types of animals, herds, flocks and holdings as well as the types covered by the information

Holding: any establishment, construction or, in the case of an open-air farm, any place in which animals are held, kept or handled. A geographical entity is a unit of one building or a complex of buildings included grounds and territories where an animal species is or could be held. Herd: an animal or group of animals kept on a holding as an epidemiological unit; if more than one herd is kept on a holding, each of these herds shall form a distinct unit and shall have the same health status.

National evaluation of the numbers of susceptible population and trends in these figures

Over the last years, there's a increased in total number of holdings of bovines, porcine, sheep and goats. The total number of bovine, porcine, sheep and goats changed what means that the mean total number of animals per holding is increasing.

Geographical distribution and size distribution of the herds, flocks and holdings

Montenegro can be geographically divided into 3 regions: south, central and north. Animal population is concentrated in central and north region.

2 INFORMATION ON SPECIFIC ZONOSSES AND ZONOTIC AGENTS

Zoonoses are diseases or infections, which are naturally transmissible directly or indirectly between animals and humans. Foodstuffs serve often as vehicles of zoonotic infections. Zoonotic agents cover viruses, bacteria, fungi, parasites or other biological entities that are likely to cause zoonoses.

2.1 LISTERIOSIS

2.1.1 Listeria in foodstuffs

2.1.1.1 L. monocytogenes in food - All foodstuffs - food sample

Monitoring system

Frequency of the sampling

At retail

Samples are taken according to the national control program or in the frame of RASFF, complains or suspicion.

Definition of positive finding

At the production plant

A sample is considered to be positive after detection of Listeria monocytogenes.

At retail

A sample is considered to be positive for Listeria monocytogenes when more than 100 cfu/g were detected.

Diagnostic/analytical methods used

At the production plant

ISO 11290:1 standard chromogenic medium (ALOA): detection method

At retail

ISO 11290:2 standard chromogenic medium (ALOA): enumeration method

Control program/mechanisms

The control program/strategies in place

The controls are performed by Official Inspector for Food

Notification system in place

In accordance with Food Safety Law (Official Gazette MNE 57/2015) measures are taken by the Competent Authority (AFSVPA)

ANIMAL POPULATION TABLES

Table Susceptible animal population

Animal species	Category of animals	Population		
		animal	slaughter animal (heads)	herd/flock
Cattle (bovine animals)	Cattle (bovine animals)	98,266	27,682	24,977
Gallus gallus (fowl)	Gallus gallus (fowl) - broilers		969,868	
Goats	Goats	42,956	185	
Pigs	Pigs	38,721	9,995	34,916
Sheep	Sheep	272,322	38,852	
Sheep and goats	Sheep and goats			5,676

DISEASE STATUS TABLES

Table Bovine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of herds with status officially free	Number of infected herds	Total number of animals	Number of animals tested under surveillance	Total number of herds
Montenegro	0	0	98,266	50,227	24,977

Table Ovine or Caprine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of herds with status officially free	Number of infected herds	Total number of animals	Number of animals tested under surveillance	Total number of herds
Montenegro	0	0	315,270	32,525	5,676

DISEASE STATUS TABLES

Table Bovine tuberculosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of herds with status officially free	Number of infected herds	Total number of animals	Interval between routine tuberculin tests	Number of animals tested with tuberculin routine testing	Number of animals detected positive in bacteriological examination	Total number of herds
Montenegro	0	0	98,266	12	64,506	1	24,977

PREVALENCE TABLES

Table COXIELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	N of clinical affected herds	Zoonoses	N of units positive
Not Available	Cattle (bovine animals) - Farm - Not Available - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	93	0		Coxiella	0
	Sheep and goats - Farm - Not Available - animal sample - blood - Surveillance - Official sampling - Objective sampling	animal	425	51		Coxiella burnetii	51

Table LISTERIA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Bakery products - cakes - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	8	0	<= 100	Listeria monocytogenes	8	0
							>100	Listeria monocytogenes	8	0
	Cereals and meals - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
					25	0	<= 100	Listeria monocytogenes	25	0
							>100	Listeria monocytogenes	25	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	5	0	<= 100	Listeria monocytogenes	5	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	8	0	<= 100	Listeria monocytogenes	8	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	7	0	<= 100	Listeria monocytogenes	7	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	62	2	detection	Listeria monocytogenes	62	2
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	78	0	<= 100	Listeria monocytogenes	78	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	15	0	<= 100	Listeria monocytogenes	15	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	15	0	>100	Listeria monocytogenes	15	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	15	0	<= 100	Listeria monocytogenes	15	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	10	2	detection	Listeria monocytogenes	10	2

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
					30	0	<= 100	Listeria monocytogenes	30	0
							>100	Listeria monocytogenes	30	0
Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	25	Gram	26	0	detection	Listeria monocytogenes	26	0	
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	35	0	<= 100	Listeria monocytogenes	35	0
							>100	Listeria monocytogenes	35	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
					20	0	<= 100	Listeria monocytogenes	20	0
							>100	Listeria monocytogenes	20	0
	Dairy products (excluding cheeses) - yoghurt - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
					50	0	<= 100	Listeria monocytogenes	50	0
							>100	Listeria monocytogenes	50	0
Dairy products (excluding cheeses) - yoghurt - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	25	Gram	11	0	detection	Listeria monocytogenes	11	0	
	Egg products - ready-to-eat - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Follow-on formulae - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	11	0	<= 100	Listeria monocytogenes	11	0
							>100	Listeria monocytogenes	11	0
	Fruits - products - fruit purée - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Fruits and vegetables - products - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Meat from other animal species or not specified - meat products - cooked, ready-to-eat - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	139	0	>100	Listeria monocytogenes	139	0
					25	Gram	139	0	<= 100	Listeria monocytogenes
	Meat from other animal species or not specified - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Meat from other animal species or not specified - meat products - cooked, ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	14	0	<= 100	Listeria monocytogenes	14	0
							>100	Listeria monocytogenes	14	0
	Meat from other animal species or not specified - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	27	0	<= 100	Listeria monocytogenes	27	0
							>100	Listeria monocytogenes	27	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from other animal species or not specified - meat products - fermented sausages - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed d)	10	Gram	35	0	<= 100	Listeria monocytogenes	35	0
							>100	Listeria monocytogenes	35	0
	Meat from other animal species or not specified - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	36	0	<= 100	Listeria monocytogenes	36	0
							>100	Listeria monocytogenes	36	0
	Meat from other animal species or not specified - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from other animal species or not specified - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	25	Gram	5	5	detection	Listeria monocytogenes	5	5
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	74	0	<= 100	Listeria monocytogenes	74	0
							>100	Listeria monocytogenes	74	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from other animal species or not specified - meat products - unspecified, ready-to-eat - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	40	0	<= 100	Listeria monocytogenes	40	0
							>100	Listeria monocytogenes	40	0
	Meat from other animal species or not specified - meat products - unspecified, ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from other animal species or not specified - meat products - unspecified, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	9	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Meat from pig - meat products - raw and intended to be eaten raw - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	25	Gram	93	22	detection	Listeria monocytogenes	93	22
	Meat from pig - offal - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Milk, cows' - pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	24	0	<= 100	Listeria monocytogenes	24	0
							>100	Listeria monocytogenes	24	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	22	0	<= 100	Listeria monocytogenes	22	0
							>100	Listeria monocytogenes	22	0
	Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	10	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0

Table SALMONELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Gallus gallus (fowl) - broilers - Farm - Not Available - animal sample - Clinical investigations - Industry sampling - Suspect sampling	animal		N_A	1	1	Salmonella spp., unspecified	1
	Gallus gallus (fowl) - broilers - Farm - Not Available - animal sample - Clinical investigations - Official sampling - Suspect sampling	animal		N_A	5	0	Salmonella	0
	Gallus gallus (fowl) - laying hens - adult - Farm - Not Available - animal sample - cloacal swab - Surveillance - Official sampling - Objective sampling	herd/flock		N_A	14	0	Salmonella	0
	Gallus gallus (fowl) - unspecified - Farm - Not Available - animal sample - cloacal swab - Surveillance - Industry sampling - Objective sampling	herd/flock		N_A	202	0	Salmonella	0

Table SALMONELLA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Bakery products - cakes - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	8	0	Salmonella	0
	Bakery products - cakes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	78	0	Salmonella	0
	Bakery products - cakes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	3	0	Salmonella	0
					54	0	Salmonella	0
	Bakery products - pastry - made with raw eggs - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	9	0	Salmonella	0
	Cereals and meals - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	25	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	5	0	Salmonella	0
	Cheeses made from cows' milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	13	0	Salmonella	0
	Cheeses made from cows' milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	32	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	8	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	7	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	1	0	Salmonella	0
	Chocolate - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	10	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	5	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	1	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	3	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	35	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	Salmonella	0
					11	0	Salmonella	0
	Dairy products (excluding cheeses) - yoghurt - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Egg products - ready-to-eat - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	18	0	Salmonella	0
	Eggs - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	72	0	Salmonella	0
	Eggs - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	68	0	Salmonella	0
		single (food/fee d)	25	Gram	25	0	Salmonella	0
	Eggs - Farm - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	7	0	Salmonella	0
	Eggs - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	12	0	Salmonella	0
	Eggs - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Eggs - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	20	0	Salmonella	0
	Eggs - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	11	0	Salmonella	0
		single (food/fee d)	25	Gram	50	0	Salmonella	0
	Follow-on formulae - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	11	0	Salmonella	0
	Fruits - pre-cut - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	Salmonella	0
	Fruits - products - fruit purée - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Juice - fruit juice - pasteurised - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	8	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Juice - fruit juice - pasteurised - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Live bivalve molluscs - mussels - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	Salmonella	0
	Meat from bovine animals - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh - chilled - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	0	Salmonella	0
	Meat from bovine animals - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Meat from bovine animals - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	13	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	72	0	Salmonella	0
	Meat from other animal species or not specified - meat products - heat treated, ready to eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	219	0	Salmonella	0
	Meat from other animal species or not specified - meat products - heat treated, ready to eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	15	0	Salmonella	0
	Meat from other animal species or not specified - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	7	0	Salmonella	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	Salmonella	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	Salmonella	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	Salmonella	0
	Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	40	0	Salmonella	0
	Meat from other animal species or not specified - offal - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	Salmonella	0
	Meat from pig - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - fresh - chilled - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	Salmonella	0
	Meat from pig - fresh - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Meat from pig - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	Salmonella	0
	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	Salmonella	0
	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	6	0	Salmonella	0
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	95	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	28	0	Salmonella	0
	Meat from poultry, unspecified - fresh - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	145	2	Salmonella spp., unspecified	1
Salmonella Typhimurium							1	
	Meat from poultry, unspecified - fresh - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	28	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	54	1	Salmonella spp., unspecified	1
	Meat from poultry, unspecified - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	Salmonella	0
	Meat from poultry, unspecified - mechanically separated meat (MSM) - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	Salmonella	0
	Meat from poultry, unspecified - mechanically separated meat (MSM) - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	25	2	Salmonella spp., unspecified	2
	Meat from sheep - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	24	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	139	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	33	0	Salmonella	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	17	0	Salmonella	0
	Soups - dehydrated - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	5	0	Salmonella	0

Table SALMONELLA in feed

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Compound feedingstuffs for cattle - Border inspection activities - Not Available - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Compound feedingstuffs for pigs - Border inspection activities - Not Available - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - Border inspection activities - Not Available - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	8	0	Salmonella	0
	Compound feedingstuffs for sheep - Border inspection activities - Not Available - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Compound feedingstuffs for turkeys - Border inspection activities - Not Available - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0

Table TRICHINELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Pigs - fattening pigs - raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Census	animal	9995	0	Trichinella	0

FOODBORNE OUTBREAKS TABLES

Foodborne Outbreaks: summarized data

Causative agent	Food vehicle	Outbreak strenght		Strong				Weak			
		N outbreaks	N human cases	N		N outbreaks	N human cases	N			
				hospitalized	N deaths			hospitalized	N deaths		
Salmonella Enteritidis	Bakery products	1	3	1	0						
	Unknown	4	14	6	0						
Staphylococcus aureus	Other, mixed or unspecified poultry meat and products thereof	1	2	1	0						
	Meat and meat products	1	4	3	0						
Unknown	Unknown					5	167	25	0		

Strong Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Salmonella Enteritidis	unk	FBO05	Not Available	Unknown	N_A	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	5	2	0
		FBO06	Not Available	Bakery products	N_A	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	3	1	0
		FBO07	Not Available	Unknown	N_A	Detection of causative agent in food chain or its environment - Detection of indistinguishable causative agent in humans	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	3	3	0
		FBO09	Not Available	Unknown	N_A	Detection of causative agent in food chain or its environment - Detection of indistinguishable causative agent in humans	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	4	0	0
		FBO10	Not Available	Unknown	N_A	Detection of causative agent in food chain or its environment - Detection of indistinguishable causative agent in humans	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	2	1	0

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Staphylococcus aureus	unk	FBO01	Not Available	Meat and meat products	N_A	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	4	3	0
		FBO02	Not Available	Other, mixed or unspecified poultry meat and products thereof	N_A	Detection of causative agent in food vehicle or its component - Detection of indistinguishable causative agent in humans	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	2	1	0

Weak Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Unknown	unk	FBO03	Not Available	Unknown	N_A	Descriptive epidemiological evidence	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	101	1	0
		FBO04	Not Available	Unknown	N_A	Descriptive epidemiological evidence\$Descriptive environmental evidence	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	31	10	0
		FBO08	Not Available	Unknown	N_A	Descriptive environmental evidence	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	13	8	0
		FBO11	Not Available	Unknown	N_A	Descriptive epidemiological evidence	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	15	2	0
		FBO12	Not Available	Unknown	N_A	Descriptive epidemiological evidence	Not Available	unk	Not Available	NOT AVAILABLE	N_A	1	7	4	0

ANTIMICROBIAL RESISTANCE TABLES FOR CAMPYLOBACTER

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

ANTIMICROBIAL RESISTANCE TABLES FOR INDICATOR ESCHERICHIA COLI

OTHER ANTIMICROBIAL RESISTANCE TABLES

Specific monitoring of ESBL-/AmpC-/carbapenemase-producing bacteria and specific monitoring of carbapenemase-producing bacteria, in the absence of isolate detected

No data returned for this view. This might be because the applied filter excludes all data.

Latest Transmission set

Table Name	Last submitted dataset transmission date
Animal Population	17-Jul-2017
Disease Status	17-Jul-2017
Food Borne Outbreaks	17-Jul-2017
Prevalence	17-Jul-2017
Text Forms	28-Apr-2017