

## Albania

### 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 Albania 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.

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\* 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

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# 1 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.

## 1.1 SALMONELLOSIS

### 1.1.1 Salmonella in foodstuffs

#### 1.1.1.1 Salmonella in food - All foodstuffs - food sample

Monitoring system

Sampling strategy

Samples are taken by the Albanian National Food Authority (NFA) based on the National Plan for Risk-Based Inspection and Sampling. This National Plan is prepared annually from NFA and approved from the Minister of Agriculture, Rural Development and Water Administration. Samples are also taken in cases when there is doubt, considering as well the current capacities of NFA laboratories. Sampling, testing method and measures in cases of non-conformity are product blocked and destroyed, according the procedures defined in the national legislation.

## 1.2 LISTERIOSIS

### 1.2.1 Listeria in foodstuffs

#### 1.2.1.1 Listeria in food - All foodstuffs - food sample

Monitoring system

Sampling strategy

Samples are taken by the Albanian National Food Authority (NFA) based on the National Plan for Risk-Based Inspection and Sampling. This National Plan is prepared annually from NFA and approved from the Minister of Agriculture, Rural Development and Water Administration. Samples are also taken in cases when there is doubt, considering as well the current capacities of NFA laboratories. Sampling, testing method and measures in cases of non-conformity are product blocked and destroyed, according the procedures defined in the national legislation.

## **2 FOODBORNE OUTBREAKS**

Foodborne outbreaks are incidences of two or more human cases of the same disease or infection where the cases are linked or are probably linked to the same food source. Situation, in which the observed human cases exceed the expected number of cases and where a same food source is suspected, is also indicative of a foodborne outbreak.

### **2.1 Outbreaks**

#### **2.1.1 Foodborne outbreaks**

System in place for identification, epidemiological investigations and reporting of foodborne outbreaks

In Albania different authorities are dealing with food-borne outbreaks:-The National Food Authority deals with safety of foodstuffs, epidemiological investigation on foodstuffs and animal health issues in case of a food-borne outbreak. -The Reference Institutes of Public Health and Food Safety and Veterinary analyses all suspected food samples, collects all data on food-borne outbreaks and gives scientific support to Ministry of Health and National Food Authority. Furthermore in 2016, for a better communication was made available to exchange outbreak data and laboratory results in real time between the different authorities dealing with FBO. Data in this report come from the Institute of Public Health for Food-borne outbreak.

## ANIMAL POPULATION TABLES

Table Susceptible animal population

Animal species	Category of animals	Population	
		animal	herd/flock
Cattle (bovine animals)	Cattle (bovine animals)	368,000	119,000
Gallus gallus (fowl)	Gallus gallus (fowl)	6,068,000	273,200
Goats	Goats	1,116,000	43,590
Pigs	Pigs	118,600	39,700
Sheep	Sheep	2,229,000	75,400

# 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 herds
Albania	0	9	119,000

**DISEASE STATUS TABLES**



**PREVALENCE TABLES**

**Table ANISAKIS 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	Fish - raw - chilled - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	100	Gram	28	3	Anisakis, unspecified sp.	3

**Table BRUCELLA in animal**

<b>Area of Sampling</b>	<b>Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy</b>	<b>Sampling unit</b>	<b>Total units tested</b>	<b>Total units positive</b>	<b>Zoonoses</b>	<b>N of units positive</b>
Not Available	Cattle (bovine animals) - dairy cows - Slaughterhouse - Albania - animal sample - Surveillance - Official sampling - Objective sampling	animal	30	11	Brucella melitensis	11

**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 - pastry - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - butter - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from bovine animals - meat products - cooked, ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from goat - meat products - cooked, ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from sheep - meat products - cooked, ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from sheep - offal - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	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	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	8	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	7	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	16	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	3	0	Salmonella	0
	Eggs - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	10	0	Salmonella	0
	Fish - raw - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Fish - raw - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	3	0	Salmonella	0
	Fishery products, unspecified - ready-to-eat - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Follow-on formulae - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0
	Live bivalve molluscs - Farm - Albania - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	82	1	Salmonella spp., unspecified	1
	Meat from bovine animals - meat preparation - intended to be eaten raw - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from bovine animals - meat products - unspecified, ready-to-eat - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from bovine animals - mechanically separated meat (MSM) - hard-type - frozen - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	5	0	Salmonella	0
	Meat from bovine animals - minced meat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	26	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 broilers (Gallus gallus) - fresh - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	6	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - frozen - Unspecified - Ukraine - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	6	2	Salmonella spp., unspecified	2
	Meat from broilers (Gallus gallus) - fresh - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	6	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	5	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten raw - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from other animal species or not specified - fresh - frozen - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	6	0	Salmonella	0
	Meat from other animal species or not specified - meat products - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	4	0	Salmonella	0
	Meat from other animal species or not specified - meat products - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	8	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	8	0	Salmonella	0
	Meat from pig - meat products - unspecified, ready-to-eat - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Meat from pig - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Meat, mixed meat - meat preparation - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Albania - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	10	1	Salmonella spp., unspecified	1
	Sauce and dressings - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	2	0	Salmonella	0
	Snails - Processing plant - Albania - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	Salmonella	0

## FOODBORNE OUTBREAKS TABLES

### Foodborne Outbreaks: summarized data

Causative agent	Food vehicle	Outbreak strength	Strong		
		N outbreaks	N human cases	N hospitalized	N deaths
Salmonella	Broiler meat ( <i>Gallus gallus</i> ) and products thereof	1	84	7	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	unk	N_A	General	Broiler meat (Gallus gallus) and products thereof	N_A	Descriptive epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	unk	Not Available	Cross-contamination Inadequate heat treatment	N_A	1	84	7	0

## Weak Foodborne Outbreaks: detailed data

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



**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

<b>Table Name</b>	<b>Last submitted dataset transmission date</b>
Animal Population	22-Jun-2017
Disease Status	06-Jul-2017
Food Borne Outbreaks	06-Jul-2017
Prevalence	06-Jul-2017
Text Forms	21-Apr-2017