RABIES BULLETIN EUROPE

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CONTENTS

Editor: Dr. Carsten J. Pötzsch

Technical Support: Anke Kliemt
Heike Kubitza

Contact: WHO Collaborating Centre for Rabies Surveillance and Research
Institute of Epidemiology, Friedrich Loeffler Institute
- Federal Research Institute for Animal Health -
Seestr. 55, D-16868 Wusterhausen, Germany
tel: ..49 33979 80158
fax: ..49 33979 80200
email: who-rabies@wus.bfav.de

Print: Hilgenfeldt & Kontny, Gartow, Germany
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1. Editorial

I wish the readers and contributors of the Rabies Bulletin Europe a successful start into a happy and prosperous 2005! Many thanks for your support and cooperation! I also hope that in the new year we will continue working together on a better understanding, and on an improved surveillance and control of rabies in Europe.

In this issue we continue to present you parts of the strategy paper of the European Commission on oral vaccination of foxes against rabies. You can find excerpts from the chapter "Vaccination Strategy", as with the success of oral vaccination in Western Europe, this control strategy increasingly becomes a control option for countries with endemic rabies. It should be noted that this report represents recommendations of the Scientific Committee on Animal Health and Animal Welfare of the European Commission and that rabies control needs to be adapted to the situation in the respective country.

During the past few weeks a case of recovery from clinical rabies in the US was reported in the media. We present you a summary of the information available and look forward to the publication of this case in the scientific literature.

Carsten J. Pötzsch

(Red Fox © NTA)

2. SUMMARY OF RABIES CASES IN EUROPE

RABIES CASES 3rd QUARTER 2004 01.07.04 -30.09.04

Name	Code	Total	Wildlife	Domestic animals	Bats	Human	Remarks
ALBANIA	ALB	0	0	0	0	0	
AUSTRIA	AUT	0	0	0	0	0	
BELARUS	BLR	35	23	12	0	0	
BELGIUM	BEL	0	0	0	0	0	rabies free
BOSNIA - HERCEGOVINA	BIH	10	7	3	0	0	
BULGARIA	BGR	3	1	2	0	0	
CROATIA	HRV	89	86	3	0	0	
CYPRUS	CYP	0	0	0	0	0	rabies free
CZECH REPUBLIC	CZH	0	0	0	0	0	rabies free
DENMARK	DNK	0	0	0	0	0	
ESTONIA	EST	57	47	10	0	0	
FINLAND	FIN	0	0	0	0	0	rabies free
FRANCE	FRA	0	0	0	0	0	
GERMANY	DEU	15	8	0	7	0	see below
GREECE	GRC	0	0	0	0	0	rabies free
HUNGARY	HUN	19	19	0	0	0	
ICELAND	ISL	0	0	0	0	0	rabies free
IRELAND	IRE	0	0	0	0	0	rabies free
ITALY	ITA	0	0	0	0	0	rabies free
LATVIA	LVA	108	83	25	0	0	
LITHUANIA	LTU	123	83	40	0	0	
LUXEMBOURG	LUX	0	0	0	0	0	rabies free
MACEDONIA	MKD						no data
MOLDOVA	MDA	7	2	5	0	0	
NETHERLANDS	NED	9	0	0	9	0	
NORWAY	NOR	0	0	0	0	0	rabies free
POLAND	POL	23	18	0	5	0	
PORTUGAL	PRT	0	0	0	0	0	rabies free
ROMANIA	ROU	27	11	16	0	0	
RUSSIAN FEDERATION	RUS	277	121	155	1	0	
SERBIA AND MONTENEGRO	SCG	27	24	3	0	0	
SLOVAK REPUBLIC	SVK	10	9	1	0	0	
SLOVENIA	SVN	1	1	0	0	0	
SPAIN	ESP	0	0	0	0	0	
SWEDEN	SWE	0	0	0	0	0	rabies free
SWITZERLAND + LIEC.	CHE	0	0	0	0	0	
TURKEY	TUR	39	1	38	0	0	
UNITED KINGDOM	UNK	1	0	0	1	0	
UKRAINE	UKR	151	70	80	1	0	
TOTAL		1031	614	393	24	0	

Wildlife: **excluding bats**
Remarks: **rabies free: no indigenous case reported for at least two years (rabies free according to WHO definition)**

Amendments to previous issues:

Federal Republic of Germany
One human cases was reported in the 2nd quarter 2004. Infection occured in India, the case was was diagnosed in Munich, Bavaria.

3. Miscellaneous Articles

3.1 The oral vaccination of foxes against rabies vaccination strategy (first part)

The following text is an excerpt from The oral vaccination of foxes against rabies, Report of the Scientific Committee on Animal Health and Animal Welfare, adopted on 23 October 2002, Chapter "Vaccination Strategy" http://europa.eu.int/comm/food/fs/sc/scah/out80_en.pdf

VACCINATION STRATEGY

Vaccination programmes are required to be conducted and continuously monitored by a scientific team dedicated to this task. The team needs to be trained in field surveys and use validated laboratory methods for rabies diagnosis, titration of vaccines, evaluation of bait uptake by the target species, and rabies antibody titration. The whole procedure, including bait distribution in the field, needs to be carefully processed, followed and documented.

1 Population dynamics

1.1 Introduction

It is a well-known phenomenon that, after the end of a rabies epizootic in a given area, the local fox population shows a strong increase (Vos, 1995; Wachendörfer *et al*., 1996; Breitenmoser *et al*.,2000; Chautan *et al*., 2000; Aubert *et al*., 1993). This is experienced as a typical consequence of a rabies vaccination campaign.

The increasing abundance of the vector species also has a considerable impact on the success of an oral vaccination campaign, especially if the control measures have to be applied over several years. Problems of persisting rabies, experienced during the final phase of the rabies epizootic in Switzerland, Belgium and Germany, coincided with a growing fox population, showing the need to adapt the rabies control strategy to the increased fox population.

In situations of continued vaccination campaigns, it is crucial to compensate for the higher abundance of the vector species through an adjustment of the vaccine bait distribution. Although this seems to be an obvious recommendation, such an adjustment was not foreseen when rabies control programmes began. As a consequence, reliable data on the dynamics of the vector population were usually not gathered and hence not available when the problem arose. The following section summarises the underlying mechanisms, using empirical data or estimations for illustration purposes.

The course and the amplitude of a fox population increase can however vary according to local conditions, and it is therefore indispensable to monitor and analyse each local situation carefully.

1.2 Dimensions of the increase

Although empirical data are available on trends in fox populations during the course of vaccination campaigns (Breitenmoser *et al*., 2000) it is also possible to extrapolate models of fox population changes under various circumstances. If a closed population is infected with rabies virus, the population will decrease until the density falls below the threshold value of rabies persistence (Fig. 1).

From there, the population will re-increase up to the carrying capacity of the habitat, following a sigmoidal shape. The dimensions of the population growth are not precisely known, as there is a lack of reliable census data for fox populations. Usually, the population dynamic is estimated from mortality data,

such as the hunting bag or road kills. These data sets indicate that the increase continues for 5–10 years after a population reaches a minimum, and that the amplitude of the increase can be from 4–5 up to 10 fold compared to the minimum. The maximum population density depends on the carrying capacity of the habitat and differs from area to area. The threshold density of rabies persistence (the minimum population density at which the disease can persist) is also influenced by the landscape and topography, but is probably a relatively constant value.

In a real situation (i.e. in a non-isolated fox population) and in the absence of rabies control measures, a local increasing population will probably face a re-infection before it reaches the carrying-capacity density again, and will hence fluctuate in the longer term around the threshold value of rabies persistence (Breitenmoser, Personal communication) (Fig. 1).

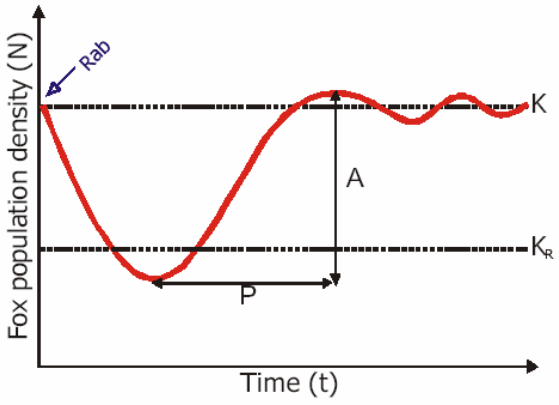


Figure 1: Course of a fox population increase after a rabies infection (Rab). The disease disappears when the population density (N) falls below the threshold value of rabies persistence (KR). The population increases in an S-shaped curve until it reaches the carrying capacity of the habitat (K). The population growth is characterised through the amplitude (A) and the duration (P) of the increase. KR is a conjunct of fox population density and contact rate.

1.3 Influence of herd immunity and population size on the success of the vaccination campaign

The herd immunity, used as a standard immunological term, is a relative measure of the immunity of a population (fraction of individuals protected against infection), and it does not indicate the absolute numbers of immune or susceptible foxes in the field.

The oral immunisation of foxes against rabies has two goals: (i) to defeat the infection in a given area, and (ii) to prevent the local population from becoming re-infected. The first goal requires the rapid increase in the herd immunity – experience has proven that three vaccination campaigns might be enough to eradicate rabies from a certain region (Masson *et al.*, 1996), whereas the second goal is the maintenance of a sufficient herd immunity as long as the infection persists in neighbouring areas.

It is obvious that the second goal needs to take into account the increase in the fox population. Assuming that the oral vaccination of foxes starts when the population is at its lowest (Fig. 2), the herd immunity will increase along with the number of vaccination campaigns but will never cover the entire population. Typical values for the herd immunity, evaluated from tetracycline analyses, ranged from below 50% up to 90% in adult foxes (when antibody titration is used these percentages might be 30 to 80% respectively). When the population increases after the start of the vaccination campaigns, the number of susceptible foxes may also increase, as indicated in Fig. 2.

This is not a problem as long as the density of susceptible individuals remains below the threshold density of rabies persistence. However, if this threshold value is exceeded, the population remains susceptible to the disease.

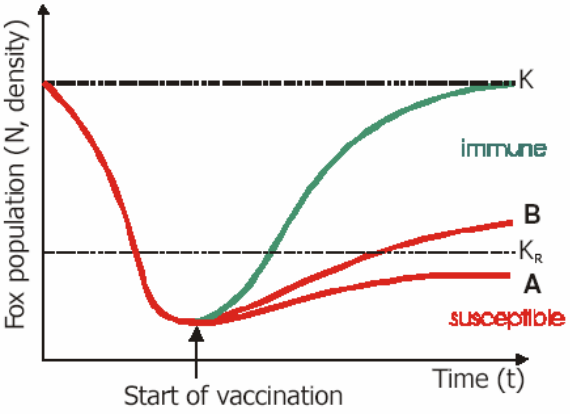


Figure 2: Population growth with oral vaccination of the vector population.

In Figure 2, the population increase follows the sigmoidal curve up to the carrying capacity K. Due to the vaccination campaigns, most foxes are immune against rabies. However, the herd immunity will never be 100 %; a certain proportion of the population will always be susceptible to the disease. If the herd immunity is below 100%, the probability of transmission of infection depends on contact rate in the region and transmissibility. As long as the density of the susceptible individuals remains below the threshold density of rabies persistence KR (situation A), the oral vaccination campaign will still be successful. If, however, the density of the susceptible foxes exceeds KR (situation B), the disease will persist even if the herd immunity increases.

A high level of herd immunity may give a false feeling of security when the absolute number of non-immunised foxes is high. In other words, the herd immunity required to eliminate rabies or protect a population from re-infection is required to increase along with the population. Once an absence of rabies cases is reached at a certain herd immunity level, that level of herd immunity will need to increase with the increasing fox population in order to prevent a reoccurrence of cases. If, in a given moment, a herd immunity was empirically found to be enough to defeat rabies, a higher herd immunity may be needed to prevent a re-infection of the same population some years later, due to the increase in the population in the intervening period.

1.4 Modification of vaccination strategies to account for the fox population increase in prolonged vaccination campaigns

To allow for an adaptation of the rabies control strategy to the increasing fox density, the fox population should be monitored. It is not enough to sample a constant number of foxes in order to determine the herd immunity, an indicator for the dynamics of the population is needed. Such indicators can be the hunting bag, road kills, night counting, and line transects (see chapter 5.2 of the full report) etc. Even if such parameters do not really indicate the absolute number of foxes, they will be satisfactory for the population trend to be followed.

An additional complication is that an increasing population density may also influence the social structure and behaviour and the land tenure system of the fox. Social group ("family") composition, dispersal patterns and individual home range size may change. Analysis of the rabid foxes and of an independent control sample in regard to age structure and sex ratio would allow identification of the problem categories and permit adequate measures to be taken. Problems with re-infections typically occur along administrative borders. This is the result of the immediate proximity of vaccinated, increasing fox populations to areas where rabies is endemic. Sometimes, administrative borders are also barriers to the fox movement (as for example the river Rhine between France and Germany), but very often, they are not. In the latter case, the following points need to be observed in order to avoid continued reinfections:

(i) To set up large-scale vaccination zones and

(ii) To strictly synchronise all control measures within the zone and across political or administrative borders.

(iii) A vaccination zone to ideally extend up to the next geographical or artificial physical barrier and include the entire infected area.

2 Temporal patterns

The annual frequency of vaccination campaigns is required to be considered with reference to the months of baiting for a variety of campaign strategies.

Based on experience in previous oral rabies vaccination campaigns, it is considered important that vaccination campaigns continue for a period of at least two years after the last reported case of fox-related rabies.

2.1 Regular vaccination campaigns

The classical pattern of two "single" vaccination campaigns per year, carried out in spring and autumn, has been found to be successful whatever the fox population density. This biannual distribution frequency has been used in all European programmes of oral vaccination that resulted in the elimination of rabies (Zanoni *et al*., 2000; Breitenmoser *et al*., 2000; Bruyère and Janot, 2000; Brochier *et al*., 2001; Besch, 2001).

Spring distributions are preferably carried out in May or June in order to increase the efficient access of fox cubs to baits. However, early spring campaigns carried out in March-April (targeting exclusively the adult fox population at its annual lowest density) were also shown to be beneficial in Belgium, Luxembourg, and several German Bundesländer (Brochier *et al*., 1996, 2001). Where snow is abundant, its melting may degrade the vaccine baits, and in such areas vaccination is preferably performed before the snow starts to melt. Autumn distribution is generally organised in September or October.

In both autumn and spring campaigns, short delayed baiting at intervals ranging from a few days to 3-4 weeks (so-called "double" vaccination strategy), aiming either at inducing an immune booster effect or at increasing the bait uptake rate, is not advisable. However, when vaccination campaigns are initially launched repeated distribution of baits within such a short time interval can be performed. Any effect of such double distribution is probably mediated through increased bait-uptake rate in the fox population by redistributing baits along other flight lines (for targeting foxes that would not have been reached during the first distribution).

2.2 Additional vaccination of fox cubs at den entrances

In spring, an additional distribution of vaccine baits at den entrances (targeting fox cubs) may be carried out in focal areas from mid-May to mid-June (Vuillaume *et al.*, 1997). When using rabies modified vaccines, the distribution needs to preferably take place in early-June, because of a potential interference between passive and acquired immunity in fox cubs (Müller *et al*., 2001; Blasco *et al*., 2001; Barrat *et al*., 2001) but only if external maximum temperatures do not exceed 30°C. It should be noted that when directly exposed to the sun, the temperature of baits may be 10-20°C higher than temperatures measured under shelter.

Such distributions can usefully complement the regular spring campaign (Vuillaume *et al*., 1998; Brochier *et al*., 2001; Besch, 2001; Breitenmoser, 1995) but due to their organisational burden and associated cost they can only be applied in limited areas in problem situations (residual rabies foci with high fox population density) and in particular habitats (suburban areas).

2.3 Emergency vaccination

In cases of re-emergence of rabies in a focus where rabies had been previously eliminated, vaccination needs to be implemented immediately, whatever the period of the year. Such an emergency vaccination might thus be carried out in summer or in winter under unfavourable weather conditions that require the use of a highly heatstable vaccine-bait system such as the VRG (Masson *et al*., 1999; Pastoret *et al*., 1996).

In general, vaccination is not advised to be carried out at temperatures below 0°C, because:

(i) frozen vaccines do not induce a sufficient immune response and

(ii) the virus titre may decrease caused by freezing-thawing cycles, except for VRG which has been shown to remain stable in such conditions

(Pastoret *et al*., 1996). Vaccination using attenuated rabies virus vaccines is not recommended during hot weather conditions. At temperatures above 30°C, melting of the bait casing occurs and vaccine titre decreases.

2.4 Synchronisation of vaccination campaigns in neighbouring administrative or political entities

Examples of cross-border re-infections are numerous (Schaarschmidt *et al*., 2002). They are the result of the immediate juxtaposition of vaccinated areas (where fox populations are increasing) and areas where rabies is endemic. These re-infections can be prevented by synchronising control measures on both sides of political or administrative borders (as outlined in chapter 4.1) and when this is not possible, by the maintenance of an immune belt at the border (see also "spatial aspects" in the full report).

3.2 Recovery of a patient from clinical rabies in the USA. A case report

The media and other sources reported the recovery of a girl from clinical rabies after being bitten by a bat, approximately 1 month before symptom onset. This article summarizes some background information, the disease history, treatment and interventions until mid December 2004 (based on a ProMED release [1]). This case represents the 6th known occurrence of human recovery after confirmed rabies diagnosis and the first recovery of a previously unvaccinated rabies patient.

While attending a church service in September 2004, the girl aged 15 was bitten by a bat on a finger. Medical attention was not sought, and rabies PEP was not administered. Approximately 1 month after the bat bite, the girl complained of fatigue and tingling and numbness of the left hand. During the following days she also developed double vision, nausea and vomiting. Lumbar puncture revealed increased white and red blood cell count, and protein concentration. She developed slurred speech, nystagmus, tremors of the left arm, increased lethargy, and a temperature of 38.9 °C. On the 6th day of illness, the bat-bite history was reported, and rabies was considered in the differential diagnosis. By then she had also impaired muscular coordination, muscular twitching, and tremors in the left arm. She was somewhat obtunded but answered questions appropriately and complied with commands. She had hypersalivation and was intubated. Rabies virus-specific antibodies were detected in the patient's serum and cerebrospinal fluid. Direct fluorescent antibody staining of nuchal skin biopsies was negative for viral antigen, and rabies virus was not isolated from saliva by cell culture. Rabies-virus RNA was not detectable by RT-PCR of either sample. Clinical management of the patient included a drug-induced coma, ventilator support and the administration of the antiviral drug ribavirin. The patient was kept comatose for 7 days; during that period, results from lumbar puncture indicated an increase in antirabies IgG by immunofluorescent assay from 1:32 to 1:2048. Her coma medications were tapered, and the patient became increasingly alert. On the 33rd day of illness, she was extubated; she was unable to speak after prolonged intubation. As of mid December, the patient remained hospitalized with steady improvement. She was able to eat, walk with assistance, use sign language, and regained the ability to speak. The prognosis for her full recovery is unknown.

The patient's family members and other contact persons received rabies PEP. This report underscores the need for increasing public awareness to minimize the risk for rabies following contact with bats and other wildlife.

A guideline on bats and bat rabies can be found in the Rabies Bulletin Europe, 27(4), 5-8 and

http://www.who-rabies-bulletin.org/q4_2003/downloads/3.2.pdf

[1] ProMED-mail. Recovery of a Patient from Clinical Rabies; Wisconsin, 2004. ProMED-mail 2004; 23 December: 20041223.3390. <http://www.promedmail.org>. Accessed 23 December 2004

3.3 Book review

Historical Perspective of Rabies in Europe and the Mediterranean Basin

By A.A. King, A.R. Fooks, M. Aubert and A.I. Wandeler, eds
O.I.E. publications, ISBN 92-9044-639-0, 384 pp, 65 €

Throughout the 20th Century, control strategies for rabies in Europe have significantly reduced the human burden of disease. Rabies has been successfully eradicated from many European countries and in this book leading experts describe the various approaches that have been taken. This comprehensive historical review aims to provide scientists, veterinarians and policy-makers with a historical account and expert analysis of rabies from ancient times to today. Readers will benefit from several expertly drafted articles brought together in a single volume. Each chapter is clear and concise and focuses on a different region in Europe, North Africa and the Middle East. The book includes country-specific rabies reports from the United Kingdom, Ireland, Iceland, Norway, Sweden, Finland, Estonia, Latvia, Lithuania, the European parts of Russia, Belarus and Ukraine, Poland, the Czech Republic, the Slovak Republic, Germany, Denmark, Austria, Hungary, Italy, Croatia, Bosnia, Slovenia, Macedonia, Albania, Greece, France, the Netherlands, Belgium, Luxembourg, Switzerland, the Iberian Peninsula, Turkey, Cyprus, Syria, Lebanon, Israel, Jordan, Algeria, Egypt, Libya, Malta, Tunisia and Morocco.

Additional chapters describe rabies in the ancient world and the history of dog rabies in the Mediterranean Basin, and other chapters cover the different epidemiological models of rabies, such as the epidemiology and ecology of fox rabies in Europe; a description of the computer analysis of fox-rabies epidemics is also included. Rabies virus variants and the molecular epidemiology of the disease in Europe are discussed in chapters describing Lyssavirus infections in European bats and Europe as a source of rabies for the rest of the world. Following the first description of rabies from ancient scriptures the animal/human relationship is explored further through chapters entitled 'Folklore, perceptions, science and rabies prevention and control', 'Human rabies and its prevention' and 'European rabies control and its history'. Finally, the role of international organisations, such as the World Organisation for Animal Health (OIE), the World Health Organization (WHO) and the European Union (EU), is discussed in a chapter entitled 'International co-operation and the role of international organisations'. This book is essential reading for anyone involved in disease control policies and especially those involved in the control of rabies.

O.I.E., 2004

(for more information see:
http://www.oie.int/eng/publicat/ouvrages/A_RABIES.htm)

4 DISTRIBUTION OF RABIES IN EUROPE

4.1 Country summaries of rabies cases, 3rd quarter 2004

01.07.04 -30.09.04

Country		Domestic animals									Wildlife														bat	Human cases	total
Name	Code	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal			
ALBANIA	ALB *									0														0			0
AUSTRIA	AUT *									0														0			0
BELARUS	BLR	5	4	2	0	1	0	0	0	12	20	3	0	0	0	0	0	0	0	0	0	0	0	23	0	0	35
BELGIUM	BEL *									0														0			0
BOSNIA A HERCEGOVINA	BIH	2	0	1	0	0	0	0	0	3	7	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	10
BULGARIA	BGR	0	0	0	1	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
CROATIA	HRV	0	3	0	0	0	0	0	0	3	83	0	0	0	2	0	0	0	0	0	0	0	1	86	0	0	89
CYPRUS	CYP *									0														0			0
CZECH REPUBLIC	CZH *									0														0			0
DENMARK	DNK *									0														0			0
ESTONIA	EST	4	3	3	0	0	0	0	0	10	18	25	0	0	3	0	0	0	0	0	0	0	1	47	0	0	57
FINLAND	FIN *									0														0			0
FRANCE	FRA *									0														0			0
GERMANY	DEU ***	0	0	0	0	0	0	0	0	0	7	0	0	0	1	0	0	0	0	0	0	0	0	8	7	0	15
GREECE	GRC *									0														0			0
HUNGARY	HUN	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	19
ICELAND	ISL *									0														0			0
IRELAND	IRE *									0														0			0
ITALY	ITA *									0														0			0
LATVIA	LVA	6	5	14	0	0	0	0	0	25	53	24	0	0	3	2	1	0	0	0	0	0	0	83	0	0	108
LITHUANIA	LTU	8	6	24	2	0	0	0	0	40	47	26	0	0	1	5	3	0	1	0	0	0	0	83	0	0	123
LUXEMBOURG	LUX *									0														0			0
MACEDONIA	MKD **									0														0			0
MOLDOVA	MDA	1	1	3	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	7
NETHERLANDS	NED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9
NORWAY	NOR *									0														0			0
POLAND	POL	0	0	0	0	0	0	0	0	0	13	4	0	0	1	0	0	0	0	0	0	0	0	18	5	0	23
PORTUGAL	PRT *									0														0			0
ROMANIA	ROU	3	5	4	1	3	0	0	0	16	11	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	27
RUSSIAN FEDERATION	RUS	56	45	52	0	1	0	1	0	155	111	4	0	0	0	0	0	3	0	0	0	0	3	121	1	0	277
SERBIA A MONTENEGRO	SCG	0	2	0	0	0	0	1	0	3	24	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	27
SLOVAK REPUBLIC	SVK	0	1	0	0	0	0	0	0	1	8	0	0	0	0	1	0	0	0	0	0	0	0	9	0	0	10
SLOVENIA	SVN	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
SPAIN	ESP *									0														0			0
SWEDEN	SWE *									0														0			0
SWITZERLAND + LIEC.	CHE *									0														0			0
TURKEY	TUR	10	3	19	2	4	0	0	0	38	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	39
UNITED KINGDOM	UNK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
UKRAINE	UKR	16	42	21	0	0	1	0	0	80	57	0	2	2	1	2	3	0	0	0	0	0	3	70	1	0	151
TOTAL		**111**	**120**	**143**	**6**	**10**	**1**	**2**	**0**	**393**	**483**	**86**	**2**	**2**	**12**	**10**	**7**	**3**	**1**	**0**	**0**	**0**	**8**	**614**	**24**	**0**	**1031**
PER CENT		10.8%	11.6%	13.9%	0.6%	1.0%	0.1%	0.2%	0.0%	38.1%	46.8%	8.3%	0.2%	0.2%	1.2%	1.0%	0.7%	0.3%	0.1%	0.0%	0.0%	0.0%	0.8%	**59.6%**	2.3%	0.0%	100%

* NO CASES ** NO DATA *** 1 IMPORTED HUMAN CASE FROM INDIA

4.2 Rabies cases per country and administrative units, 3rd quarter 2004

01.07.04 -30.09.04

Location	Domestic animals									Wildlife														bat	Human cases	total
	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal			
BOSNIA AND HERZEGOVINA																										
Doboj	1	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Nevesinje	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Rogatica	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Samac	1	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Sipovo	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Sokolac	0	0	1	0	0	0	0	0	**1**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**2**
Srebrenica	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Ustikolina	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Zepce	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
TOTAL	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**10**
PER CENT	20.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30.0%	70.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	70.0%	0.0%	0.0%	100%
CROATIA																										
Bjelovarsko-bilogorska	0	0	0	0	0	0	0	0	**0**	4	0	0	0	0	0	0	0	0	0	0	0	0	**4**	0	0	**4**
Brodsko-posavska	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Grad Zagreb	0	1	0	0	0	0	0	0	**1**	12	0	0	0	1	0	0	0	0	0	0	0	0	**13**	0	0	**14**
Istarska	0	0	0	0	0	0	0	0	**0**	9	0	0	0	1	0	0	0	0	0	0	0	0	**10**	0	0	**10**
Karlovacka	0	1	0	0	0	0	0	0	**1**	8	0	0	0	0	0	0	0	0	0	0	0	0	**8**	0	0	**9**
Koprivničko-križevačka	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Krapinsko-zagorska	0	0	0	0	0	0	0	0	**0**	5	0	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**5**
Licko-senjska	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	1	**2**	0	0	**2**
Osjecko-baranjska	0	0	0	0	0	0	0	0	**0**	6	0	0	0	0	0	0	0	0	0	0	0	0	**6**	0	0	**6**
Požeško-slavonska	0	1	0	0	0	0	0	0	**1**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**2**
Primorsko- Goranska	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Šibensko- Kninska	0	0	0	0	0	0	0	0	**0**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Sisacko-moslavacka	0	0	0	0	0	0	0	0	**0**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Splitsko-dalmatinska	0	0	0	0	0	0	0	0	**0**	4	0	0	0	0	0	0	0	0	0	0	0	0	**4**	0	0	**4**
Varaždinska	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Vukovarsko-srijemska	0	0	0	0	0	0	0	0	**0**	7	0	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**7**
Zagrebacka	0	0	0	0	0	0	0	0	**0**	14	0	0	0	0	0	0	0	0	0	0	0	0	**14**	0	0	**14**
TOTAL	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**83**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**86**	**0**	**0**	**89**
PER CENT	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	93.3%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	97%	0.0%	0.0%	100%
BULGARIA																										
Dobrich	0	0	0	0	1	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Pleven	0	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Vraca	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
TOTAL	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**
PER CENT	0.0%	0.0%	0.0%	33.3%	33.3%	0.0%	0.0%	0.0%	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33%	0.0%	0.0%	100%

4.2 Rabies cases per country and administrative units, 3rd quarter 2004 (continued)

01.07.04 -30.09.04

Location	Domestic animals									Wildlife															bat	Human cases	total
Name	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal			
ESTONIA																											
Harjumaa	1	0	0	0	0	0	0	0	**1**	3	0	0	0	0	0	0	0	0	0	0	0	1	**4**	0	0	**5**
Hiiumaa	0	0	2	0	0	0	0	0	**2**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**3**
Ida-Virumaa	0	1	1	0	0	0	0	0	**2**	1	2	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**5**
Järvamaa	1	0	0	0	0	0	0	0	**1**	0	3	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**4**
Jõgevamaa	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Läänemaa	0	0	0	0	0	0	0	0	**0**	1	1	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Lääne-Virumaa	0	0	0	0	0	0	0	0	**0**	2	3	0	0	1	0	0	0	0	0	0	0	0	**6**	0	0	**6**
Pärnumaa	0	1	0	0	0	0	0	0	**1**	3	4	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**8**
Põlvamaa	1	1	0	0	0	0	0	0	**2**	1	1	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**4**
Raplamaa	1	0	0	0	0	0	0	0	**1**	1	1	0	0	1	0	0	0	0	0	0	0	0	**3**	0	0	**4**
Tartumaa	0	0	0	0	0	0	0	0	**0**	4	8	0	0	1	0	0	0	0	0	0	0	0	**13**	0	0	**13**
Viljandimaa	0	0	0	0	0	0	0	0	**0**	1	1	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
TOTAL	**4**	**3**	**3**	**0**	**0**	**0**	**0**	**0**	**10**	**18**	**25**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**47**	**0**	**0**	**57**
PER CENT	7.0%	5.3%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	17.5%	31.6%	43.9%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	82.5%	0.0%	0.0%	100%
HUNGARY																											
Borsod-Abaúj-Zemplén	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Békés	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Hajdú-Bihar	0	0	0	0	0	0	0	0	**0**	8	0	0	0	0	0	0	0	0	0	0	0	0	**8**	0	0	**8**
Heves	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Pest	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Szabolcs-Szatmár-Bereg	0	0	0	0	0	0	0	0	**0**	5	0	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**5**
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**0**	**0**	**19**
PER CENT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	0.0%	0.0%	100%
MOLDOVA																											
Căuseni	1	0	0	0	0	0	0	0	**1**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**2**
Drochia	0	0	2	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Hincesti	0	1	0	0	0	0	0	0	**1**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**2**
Telenesti	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
TOTAL	**1**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**5**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**7**
PER CENT	14.3%	14.3%	42.9%	0.0%	0.0%	0.0%	0.0%	0.0%	71.4%	28.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	29%	0.0%	0.0%	100%
FEDERAL REPUBLIC OF GERMANY																											
Hesse	0	0	0	0	0	0	0	0	**0**	7	0	0	0	1	0	0	0	0	0	0	0	0	**8**	0	0	**8**
Schleswig- Holstein	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	2	0	**2**
LowerSaxony	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	5	0	**5**
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**7**	**0**	**15**
PER CENT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	47%	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	53%	46.7%	0.0%	100%

4.2 Rabies cases per country and administrative units, 3rd quarter 2004 (continued)

01.07.04 -30.09.04

Location	Domestic animals									Wildlife																		
Name	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal	bat	Human cases	total
L A T V I A																												
Alūksne	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Aizkraukle	0	0	0	0	0	0	0	0	**0**	0	1	0	0	1	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Bauska	1	0	0	0	0	0	0	0	**1**	5	2	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**8**
Cēsis	0	0	0	0	0	0	0	0	**0**	2	1	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Daugavpils	0	0	0	0	0	0	0	0	**0**	1	1	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Dobele	0	0	0	0	0	0	0	0	**0**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Gulbene	0	0	0	0	0	0	0	0	**0**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Jelgava	0	0	0	0	0	0	0	0	**0**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Krāslava	0	1	3	0	0	0	0	0	**4**	1	1	0	0	1	0	0	0	0	0	0	0	0	**3**	0	0	**7**
Kuldīga	0	0	0	0	0	0	0	0	**0**	2	2	0	0	0	0	0	0	0	0	0	0	0	**4**	0	0	**4**
Liepāja	0	1	1	0	0	0	0	0	**2**	5	2	0	0	0	1	1	0	0	0	0	0	0	**9**	0	0	**11**
Limbaži	0	0	0	0	0	0	0	0	**0**	1	1	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Ludza	0	1	1	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Madona	0	0	0	0	0	0	0	0	**0**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Ogre	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Preiļi	3	1	5	0	0	0	0	0	**9**	4	1	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**14**
Rīga	0	1	0	0	0	0	0	0	**1**	3	1	0	0	0	0	0	0	0	0	0	0	0	**4**	0	0	**5**
Saldus	1	0	0	0	0	0	0	0	**1**	3	4	0	0	0	1	0	0	0	0	0	0	0	**8**	0	0	**9**
Talsi	0	0	1	0	0	0	0	0	**1**	5	0	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**6**
Tukums	0	0	2	0	0	0	0	0	**2**	3	2	0	0	1	0	0	0	0	0	0	0	0	**6**	0	0	**8**
Valka	0	0	0	0	0	0	0	0	**0**	5	2	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**7**
Valmiera	1	0	0	0	0	0	0	0	**1**	5	0	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**6**
Ventspils	0	0	0	0	0	0	0	0	**0**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
TOTAL	**6**	**5**	**14**	**0**	**0**	**0**	**0**	**0**	**25**	**53**	**24**	**0**	**0**	**3**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**83**	**0**	**0**	**108**
PER CENT	5.6%	4.6%	13.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.1%	49.1%	22.2%	0.0%	0.0%	2.8%	1.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	77%	0.0%	0.0%	100%
S L O V A K I A																												
Banskobystrický kraj	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	1	0	0	0	0	0	0	0	**2**	0	0	**2**
Bratislavský kraj	0	0	0	0	0	0	0	0	**0**	4	0	0	0	0	0	0	0	0	0	0	0	0	**4**	0	0	**4**
Trenciansky kraj	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Trnavský kraj	0	1	0	0	0	0	0	0	**1**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**3**
TOTAL	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**0**	**0**	**10**
PER CENT	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.0%	80.0%	0.0%	0.0%	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	90%	0.0%	0.0%	100%
U N I T E D K I N G D O M																												
Surrey	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	1	0	**1**
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**
PER CENT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0%	100%	0.0%	100%

4.2 Rabies cases per country and administrative units, 3rd quarter 2004 (continued)

01.07.04 -30.09.04

Location	*Domestic animals*									*Wildlife*															bat	Human cases	total
Name	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal			
SERBIA A MONTENEGRO																											
Montenegro	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Central Serbia	0	1	0	0	0	0	1	0	**2**	16	0	0	0	0	0	0	0	0	0	0	0	0	**16**	0	0	**18**
Vojvodina	0	1	0	0	0	0	0	0	**1**	7	0	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**8**
TOTAL	**0**	**2**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**24**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**27**
PER CENT	0.0%	7.4%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	11.1%	88.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	88.9%	0.0%	0.0%	100%
TURKEY																											
Aydın	0	0	7	0	0	0	0	0	**7**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**7**
Balikesir	0	0	0	0	2	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Denizli	0	1	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Elaziğ	0	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Erzincan	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Hatay	2	0	1	0	0	0	0	0	**3**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**3**
Izmir	1	1	0	0	1	0	0	0	**3**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**4**
Istanbul	1	1	0	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Kilis	1	0	1	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Kocaeli	1	0	1	0	1	0	0	0	**3**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**3**
K.Maras	0	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Manisa	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Muğla	0	0	5	0	0	0	0	0	**5**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**5**
Sakarya	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
S. Urfa	2	0	0	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Takirdağ	2	0	1	0	0	0	0	0	**3**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**3**
TOTAL	**10**	**3**	**19**	**2**	**4**	**0**	**0**	**0**	**38**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**39**
PER CENT	25.6%	7.7%	48.7%	5.1%	10.3%	0.0%	0.0%	0.0%	97.4%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3%	0.0%	0.0%	100%
LITHUANIA																											
Alytus	1	0	1	0	0	0	0	0	**2**	4	0	0	0	0	1	0	0	0	0	0	0	0	**5**	0	0	**7**
Kaunas	0	0	0	0	0	0	0	0	**0**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Klaipeda	1	1	4	0	0	0	0	0	**6**	3	7	0	0	0	1	0	0	0	0	0	0	0	**11**	0	0	**17**
Marijampole	0	0	2	1	0	0	0	0	**3**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**4**
Panvežys	2	0	2	0	0	0	0	0	**4**	4	3	0	0	0	1	0	0	0	0	0	0	0	**8**	0	0	**12**
Šiauliai	2	3	5	0	0	0	0	0	**10**	7	5	0	0	0	1	1	0	0	0	0	0	0	**14**	0	0	**24**
Taurage	0	1	0	0	0	0	0	0	**1**	2	1	0	0	0	0	0	0	1	0	0	0	0	**4**	0	0	**5**
Telšiai	1	0	7	0	0	0	0	0	**8**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**9**
Utena	0	1	2	0	0	0	0	0	**3**	4	3	0	0	1	0	0	0	0	0	0	0	0	**8**	0	0	**11**
Vilnius	1	0	1	1	0	0	0	0	**3**	23	4	0	0	0	1	2	0	0	0	0	0	0	**30**	0	0	**33**
TOTAL	**8**	**6**	**24**	**2**	**0**	**0**	**0**	**0**	**40**	**47**	**26**	**0**	**0**	**1**	**5**	**3**	**0**	**1**	**0**	**0**	**0**	**0**	**83**	**0**	**0**	**123**
PER CENT	6.5%	4.9%	19.5%	1.6%	0.0%	0.0%	0.0%	0.0%	32.5%	38.2%	21.1%	0.0%	0.0%	0.8%	4.1%	2.4%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	67%	0.0%	0.0%	100%

4.2 Rabies cases per country and administrative units, 3rd quarter 2004 (continued)

01.07.04 -30.09.04

Location	Domestic animals									Wildlife															bat	Human cases	total
Name	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal			
ROMANIA																										
Arges	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Botosani	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Bistrita Nasaud	1	1	0	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Brasov	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Buzau	1	1	1	0	0	0	0	0	**3**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**3**
Caras Severin	0	1	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Constanta	0	1	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Giurgiu	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Gorj	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Harghita	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Hunedoara	1	0	0	0	3	0	0	0	**4**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**4**
Ilfov	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Mehedinti	0	1	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Mures	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Satu Mare	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Suceava	0	0	1	1	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Vaslui	0	0	1	0	0	0	0	0	**1**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**3**
TOTAL	**3**	**5**	**4**	**1**	**3**	**0**	**0**	**0**	**16**	**11**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11**	**0**	**0**	**27**
PER CENT	11.1%	18.5%	14.8%	3.7%	11.1%	0.0%	0.0%	0.0%	59.3%	40.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	41%	0.0%	0.0%	100%
POLAND																										
Dolnoslaskie	0	0	0	0	0	0	0	0	**0**	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Lubelskie	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Mazowieckie	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	2	0	**2**
Opolskie	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	1	0	**2**
Podkarpackie	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Pomorskie	0	0	0	0	0	0	0	0	**0**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Podlaskie	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Slaskie	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	2	0	**2**
Warminsko-Mazurskie	0	0	0	0	0	0	0	0	**0**	2	1	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Wielkopolskie	0	0	0	0	0	0	0	0	**0**	3	2	0	0	1	0	0	0	0	0	0	0	0	**6**	0	0	**6**
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**13**	**4**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**18**	**5**	**0**	**23**
PER CENT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	56.5%	17.4%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	78%	21.7%	0.0%	100%
NETHERLANDS																										
Friesland	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	4	0	**4**
Groningen	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	1	0	**1**
Utrecht	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	2	0	**2**
Noord-Holland	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	2	0	**2**
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**0**	**9**
PER CENT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	0.0%	100%

4.2 Rabies cases per country and administrative units, 3rd quarter 2004 (continued)

01.07.04 -30.09.04

Location	Domestic animals									Wildlife																		
Name	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal	bat	Human cases	total
UKRAINE																												
Cherkasskaja o.	3	4	1	0	0	0	0	0	**8**	3	0	1	0	1	0	0	0	0	0	0	0	0	**5**	0	0	**13**
Chernigovskaja o.	0	1	2	0	0	0	0	0	**3**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**3**
Chernovitskaja o.	1	1	0	0	0	0	0	0	**2**	0	0	0	0	0	1	0	0	0	0	0	0	0	**1**	0	0	**3**
Dnepropetrovskaja o.	0	6	4	0	0	1	0	0	**11**	6	0	0	0	0	0	0	0	0	0	0	0	0	**6**	0	0	**17**
Donetskskaja o.	2	1	0	0	0	0	0	0	**3**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**4**
Ivano-Frankovskaja	1	0	1	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Kharkovskaja o.	0	6	1	0	0	0	0	0	**7**	5	0	0	0	0	0	0	0	0	0	0	0	1	**6**	0	0	**13**
A.R. Krym	0	0	0	0	0	0	0	0	**0**	5	0	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**5**
Khersonskaja o.	1	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Khmelnitskaja o.	0	0	1	0	0	0	0	0	**1**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**2**
Kirovogradskaja o.	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Luganskaja o.	1	1	0	0	0	0	0	0	**2**	6	0	0	0	0	0	0	0	0	0	0	0	0	**6**	0	0	**8**
Lvovskaja o.	0	1	0	0	0	0	0	0	**1**	2	0	0	1	0	0	0	0	0	0	0	0	0	**3**	0	0	**4**
Nikolayevskaja o.	0	3	0	0	0	0	0	0	**3**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**4**
Odesskaja o.	0	1	1	0	0	0	0	0	**2**	2	0	0	0	0	0	0	0	0	0	0	0	2	**4**	1	0	**7**
Poltavskaja o.	3	7	6	0	0	0	0	0	**16**	5	0	0	0	0	1	1	0	0	0	0	0	0	**7**	0	0	**23**
Rovenskaja o.	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	1	0	0	0	0	0	0	**3**	0	0	**3**
Sumskaja o.	2	7	0	0	0	0	0	0	**9**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**10**
Ternopolskaja o.	1	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Vinnitskaja o.	0	1	1	0	0	0	0	0	**2**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**3**
Zakarpatskaja o.	0	1	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Zaporozhskaja o.	0	1	2	0	0	0	0	0	**3**	13	0	1	1	0	0	1	0	0	0	0	0	0	**16**	0	0	**19**
Zhitomirskaja o.	1	0	1	0	0	0	0	0	**2**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**4**
TOTAL	**16**	**42**	**21**	**0**	**0**	**1**	**0**	**0**	**80**	**57**	**0**	**2**	**2**	**1**	**2**	**3**	**0**	**0**	**0**	**0**	**0**	**3**	**70**	**1**	**0**	**151**
PER CENT	10.6%	27.8%	13.9%	0.0%	0.0%	0.7%	0.0%	0.0%	53.0%	37.7%	0.0%	1.3%	1.3%	0.7%	1.3%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	46%	0.7%	0.0%	100%
BELARUS																												
Brest	0	0	0	0	1	0	0	0	**1**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**3**
Vitebsk	0	0	0	0	0	0	0	0	**0**	2	3	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**5**
Gomel	2	3	0	0	0	0	0	0	**5**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**6**
Grodn	1	0	1	0	0	0	0	0	**2**	5	0	0	0	0	0	0	0	0	0	0	0	0	**5**	0	0	**7**
Minsk	2	1	1	0	0	0	0	0	**4**	4	0	0	0	0	0	0	0	0	0	0	0	0	**4**	0	0	**8**
Mogelov	0	0	0	0	0	0	0	0	**0**	6	0	0	0	0	0	0	0	0	0	0	0	0	**6**	0	0	**6**
TOTAL	**5**	**4**	**2**	**0**	**1**	**0**	**0**	**0**	**12**	**20**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**	**0**	**0**	**35**
PER CENT	14.3%	11.4%	5.7%	0.0%	2.9%	0.0%	0.0%	0.0%	34.3%	57.1%	8.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	65.7%	0.0%	0.0%	100%
SLOVENIA																												
Notranjsko-kraska	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
PER CENT	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%

4.2 Rabies cases per country and administrative units, 3rd quarter 2004 (continued)

01.07.04 -30.09.04

Location	Domestic animals									Wildlife																		
Name	dog	cat	cattle	equine	goat sheep	pig	stray dog	other	subtotal	fox	racoon dog	racoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	subtotal	bat	Human cases	total
R U S S I A																												
Astrahanskja obl.	1	2	3	0	0	0	0	0	**6**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**6**
Belgorodskja obl.	1	3	0	0	0	0	0	0	**4**	7	0	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**11**
Brjanskaja obl.	1	0	0	0	0	0	0	0	**1**	2	1	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**4**
Chuvasskaja resp.	0	0	0	0	0	0	0	0	**0**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**1**
Dagestan resp.	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Ivanovskaja obl.	1	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	1	**1**	0	0	**2**
Kabard.-Balkar. resp.	5	2	6	0	0	0	0	0	**13**	8	0	0	0	0	0	0	2	0	0	0	0	0	**10**	0	0	**23**
Kaliningradskaja obl.	1	1	9	0	0	0	0		**11**	4	1	0	0	0	0	0	0	0	0	0	0	1	**6**	0	0	**17**
Kalmykija resp.	0	0	1	0	0	0	0	0	**1**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**2**
Kaluzskaja obl.	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Krasnodarskij kr.	14	2	0	0	0	0	0	0	**16**	3	0	0	0	0	0	0	1	0	0	0	0	0	**4**	0	0	**20**
Kurskaja obl.	1	2	2	0	0	0	0	0	**5**	9	0	0	0	0	0	0	0	0	0	0	0	0	**9**	0	0	**14**
Lipeckaja obl.	0	1	1	0	0	0	0	0	**2**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**5**
Karacaevo-Cerk. resp.	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**1**
Mordovija resp.	0	1	0	0	0	0	0	0	**1**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**3**
Moskovskaja obl.	0	0	0	0	0	0	0	0	**0**	5	1	0	0	0	0	0	0	0	0	0	0	0	**6**	0	0	**6**
Nizegorodskaja obl.	0	0	0	0	1	0	0	0	**1**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**3**
Orlovskaja obl.	1	0	1	0	0	0	0	0	**2**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**4**
Penzenskaja obl.	2	0	0	0	0	0	0	0	**2**	17	0	0	0	0	0	0	0	0	0	0	0	0	**17**	0	0	**19**
Pskovskaja obl.	2	0	0	0	0	0	1	0	**3**	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	**4**
Rjazanskaja obl.	2	4	1	0	0	0	0	0	**7**	2	0	0	0	0	0	0	0	0	0	0	0	1	**3**	0	0	**10**
Rostovskaja obl.	3	8	1	0	0	0	0	0	**12**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**14**
Saratovskaja obl.	1	1	3	0	0	0	0	0	**5**	7	0	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**12**
Sever. Oset.-Ala. resp.	10	2	13	0	0	0	0	0	**25**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**25**
Smolenskaja obl.	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Stavropol'skij kr.	3	6	1	0	0	0	0	0	**10**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**12**
Tambovskaja obl.	0	0	0	0	0	0	0	0	**0**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**3**
Tul'skaja obl.	1	0	0	0	0	0	0	0	**1**	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**	1	0	**5**
Tverskaja obl.	0	2	0	0	0	0	0	0	**2**	2	1	0	0	0	0	0	0	0	0	0	0	0	**3**	0	0	**5**
Uljanovskaja obl.	1	2	3	0	0	0	0	0	**6**	10	0	0	0	0	0	0	0	0	0	0	0	0	**10**	0	0	**16**
Volgogradskaja obl.	0	0	2	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	0	0	**2**
Vladimirskja obl.	0	0	0	0	0	0	0	0	**0**	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**	0	0	**2**
Voronezskaja obl.	5	6	3	0	0	0	0	0	**14**	7	0	0	0	0	0	0	0	0	0	0	0	0	**7**	0	0	**21**
TOTAL	**56**	**45**	**52**	**0**	**1**	**0**	**1**	**0**	**155**	**111**	**4**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**3**	**121**	**1**	**0**	**277**
PER CENT	20.2%	16.2%	18.8%	0.0%	0.4%	0.0%	0.4%	0.0%	56.0%	40.1%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	1.1%	44%	0.4%	0.0%	100%

4.3 Trend tables

4.3.1 Comparison of the reporting quarter (III/2004) with the previous quarter (II/2004)

NAME	Total			Wildlife			Domestic animals			Bats			Human		
	III 2004 (no.)	II 2004 (no.)	Difference	III 2004 (no.)	II 2004 (no.)	Difference	III 2004 (no.)	II 2004 (no.)	Difference	III 2004 (no.)	II 2004 (no.)	Difference	III 2004 (no.)	II 2004 (no.)	Difference
ALBANIA	**0**	**3**	**-3**	0	1	-1	0	2	-2	0	0	0	0	0	0
AUSTRIA	**0**	**1**	**-1**	0	1	-1	0	0	0	0	0	0	0	0	0
BELARUS	**35**	**45**	**-10**	23	18	5	12	27	-15	0	0	0	0	0	0
BELGIUM	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
BOSNIA - HERCEGOVINA	**10**	**11**	**-1**	7	7	0	3	4	-1	0	0	0	0	0	0
BULGARIA	**3**	**8**	**-5**	1	3	-2	2	5	-3	0	0	0	0	0	0
CROATIA	**89**	**80**	**9**	86	74	12	3	6	-3	0	0	0	0	0	0
CYPRUS	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
CZECH REPBUBLIC	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
DENMARK	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
ESTONIA	**57**	**58**	**-1**	47	44	3	10	14	-4	0	0	0	0	0	0
FINLAND	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
FRANCE	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
GERMANY	**15**	**4**	**11**	8	2	6	0	0	0	7	2	5	0	0	0
GREECE	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
HUNGARY	**19**	**34**	**-15**	19	27	-8	0	7	-7	0	0	0	0	0	0
ICELAND	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
IRELAND	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
ITALY	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
LATVIA	**108**	**123**	**-15**	83	94	-11	25	29	-4	0	0	0	0	0	0
LITHUANIA	**123**	**125**	**-2**	83	88	-5	40	37	3	0	0	0	0	0	0
LUXEMBOURG	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
MACEDONIA	**no data**	**no data**													
MOLDOVA	**7**	**no data**		2			5			0			0		
NETHERLANDS	**9**	**0**	**9**	0	0	0	0	0	0	9	0	9	0	0	0
NORWAY	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
POLAND	**23**	**22**	**1**	18	16	2	0	4	-4	5	2	3	0	0	0
PORTUGAL	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
ROMANIA	**27**	**17**	**10**	11	7	4	16	10	6	0	0	0	0	0	0
RUSSIAN FEDERATION	**277**	**223**	**54**	121	45	76	155	176	-21	1	0	1	0	2	-2
SERBIA AND MONTENEGRO	**27**	**40**	**-13**	24	28	-4	3	12	-9	0	0	0	0	0	0
SLOVAK REPUBLIC	**10**	**17**	**-7**	9	15	-6	1	2	-1	0	0	0	0	0	0
SLOVENIA	**1**	**1**	**0**	1	1	0	0	0	0	0	0	0	0	0	0
SPAIN	**0**	**1**	**-1**	0	0	0	0	1	-1	0	0	0	0	0	0
SWEDEN	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
SWITZERLAND/LIECHTEN.	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
TURKEY	**39**	**30**	**9**	1	2	-1	38	28	10	0	0	0	0	0	0
UNITED KINGDOM	**1**	**0**	**1**	0	0	0	0	0	0	1	0	1	0	0	0
UKRAINE	**151**	**131**	**20**	70	49	21	80	82	-2	1	0	1	0	0	0
TOTAL	**1031**	**974**	**50**	**614**	**522**	**90**	**393**	**446**	**-58**	**24**	**4**	**20**	**0**	**2**	**-2**

Wildlife: excluding bats
III/2004 (no.), II/2004 (no.): number of cases
Difference: no. of cases in III/2004 minus cases in II/2004

4.3.2 Comparison of the reporting quarter (III/2004) with the same quarter of the previous year (III/2003)

NAME	Total			Wildlife			Domestic animals			Bats			Human		
	III 2004 (no.)	III 2003 (no.)	Difference	III 2004 (no.)	III 2003 (no.)	Difference	III 2004 (no.)	III 2003 (no.)	Difference	III 2004 (no.)	III 2003 (no.)	Difference	III 2004 (no.)	III 2003 (no.)	Difference
ALBANIA	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
AUSTRIA	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
BELARUS	**35**	**214**	**-179**	23	140	-117	12	74	-62	0	0	0	0	0	0
BELGIUM	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
BOSNIA - HERCEGOVINA	**10**	**12**	**-2**	7	9	-2	3	3	0	0	0	0	0	0	0
BULGARIA	**3**	**5**	**-2**	1	4	-3	2	1	1	0	0	0	0	0	0
CROATIA	**89**	**97**	**-8**	86	85	1	3	12	-9	0	0	0	0	0	0
CYPRUS	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
CZECH REPBUBLIC	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
DENMARK	**0**	**3**	**-3**	0	0	0	0	0	0	0	3	-3	0	0	0
ESTONIA	**57**	**202**	**-145**	47	165	-118	10	37	-27	0	0	0	0	0	0
FINLAND	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
FRANCE	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
GERMANY	**15**	**15**	**0**	8	7	1	0	0	0	7	8	-1	0	0	0
GREECE	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
HUNGARY	**19**	**20**	**-1**	19	15	4	0	5	-5	0	0	0	0	0	0
ICELAND	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
IRELAND	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
ITALY	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
LATVIA	**108**	**251**	**-143**	83	219	-136	25	31	-6	0	0	0	0	1	-1
LITHUANIA	**123**	**298**	**-175**	83	211	-128	40	87	-47	0	0	0	0	0	0
LUXEMBOURG	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
MACEDONIA	**no data**	**0**			0			0			0			0	
MOLDOVA	**7**	**9**	**-2**	2	2	0	5	7	-2	0	0	0	0	0	0
NETHERLANDS	**9**	**3**	**6**	0	0	0	0	0	0	9	3	6	0	0	0
NORWAY	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
POLAND	**23**	**78**	**-55**	18	52	-34	0	22	-22	5	4	1	0	0	0
PORTUGAL	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
ROMANIA	**27**	**28**	**-1**	11	16	-5	16	12	4	0	0	0	0	0	0
RUSSIAN FEDERATION	**277**	**522**	**-245**	121	192	-71	155	328	-173	1	1	0	0	1	-1
SERBIA AND MONTENEGRO	**27**	**37**	**-10**	24	27	-3	3	10	-7	0	0	0	0	0	0
SLOVAK REPUBLIC	**10**	**61**	**-51**	9	54	-45	1	7	-6	0	0	0	0	0	0
SLOVENIA	**1**	**1**	**0**	1	1	0	0	0	0	0	0	0	0	0	0
SPAIN	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
SWEDEN	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0	0
SWITZERLAND/LIECHTEN.	**0**	**1**	**-1**	0	0	0	0	1	-1	0	0	0	0	0	0
TURKEY	**39**	**28**	**11**	1	2	-1	38	26	12	0	0	0	0	0	0
UNITED KINGDOM	**1**	**0**	**1**	0	0	0	0	0	0	1	0	1	0	0	0
UKRAINE	**151**	**482**	**-331**	70	181	-111	80	301	-221	1	0	1	0	0	0
TOTAL	**1031**	**2367**	**-1336**	**614**	**1382**	**-768**	**393**	**964**	**-571**	**24**	**19**	**5**	**0**	**2**	**-2**

Wildlife: excluding bats
II /2004 (no.), II /2003 (no.): number of cases
Difference: no. of cases in II /2004 minus cases in II /2003

5. LIST OF CONTRIBUTORS

ALB Albania
Ass. Prof. Dr. Dragush Mati
Ministry of Agriculture and Food
Directorate of Veterinary Service
Tirana /Albania
Tel. +355 4 222 539
Fax +355 4 222 539
e-mail vetdirector@albaniaonline.com

Prof. Dr. Kristaq Berxholi, Director
Institute of Veterinary Research „Bilal Golemi"
Tirana /Albania
Tel. +355 4 372 912
Fax +355 4 372 912
e-mail instvet@icc.al.eu.org

AUT Austria
Prof. Dr. Peter Weber, CVO
Bundesministerium für soziale Sicherheit
und Generationen
Abt. IX/A/4
Radetzkystraße 2
A-1031 Wien
Tel. +43-1-7 11 00
Fax +43-1-7 10 41 51

BLR Belarus
Dr. A.M. Axenov
Head of the Central Board of Veterinary Medicine
Ministry of Agriculture and Food
Kirova 15
Minsk /Belarus
Tel.: +375-17-227 6623
Fax +375-17-227 42 96/ +375-17-227 57 54
e-mail vetinsp@mshp.minsk.by

BEL Belgium
Dr. L. Lengele, Conseiller Général
Dr. Dechamps
Ministère des Classes Moyennes et de l'Agriculture
Administration de la Santé animale et de la
Qualité des produits animaux (DG5)
Services vétérinaires
WTC III - Boulevard Simon Bolivar 30
5ème étage
B-1000 Bruxelles/Belgique
Tel. +32-2-208 36 48
Fax +32-2-208 36 12

Responsible expert:
Dr. F. Costy
Institut Pasteur de Bruxelles
Rue Engeland, 642
B-1180 Bruxelles
Tel. +32-2-373 31 11
Fax +32-2-373 31 74

BIH Bosnia and Herzegovina
Dr. Ramiz Velic
Department of Infectious Diseases
Veterinary Faculty Sarajevo
Zmaja od Bosne 90
Sarajevo 71000 /Bosnia and Herzegovina
Tel. +387-61-160 361
e-mail vetzar@bih.net.ba

Dr. Sc. Drago N. Nedic
Ministry Agriculture, Forestry and
Water Management of Republika Srpska
Milosa Obilica 51
76300 Bijeljina, Republika Srpska
Bosnia and Herzegovina
Tel. +387-55-401 812, 211 506, 403 508
Fax +387-55-403 508, 472 353
e-mail nedicd@rstel.net nedicd@vetservice.org
Internet www.vetservice.org

BUL Bulgaria
Prof. Rumen Valtchovski
Head of Dept. of Virology and Virological Diseases
National Veterinary Research Institute
Tel. +359 9523903
email rvaltchovski@abv.bg

HVR Croatia
Dr. Ljerka Zeba
Veterinary Administration
Ministry of Agriculture and Forestry
Vukovarska 78
10000 Zagreb, Republic of Croatia
Tel. +385 1 6106207
Fax +385 1 6109207
email ljerka.zeba@mps.hr

CYP Cyprus
Dr. P. Economides, CVO
Director of Veterinary Services
Ministry of Agriculture, Natural Resources
and Environment - Veterinary Services -
1417 Nicosia /Cyprus
Tel. +357-2-80 52 0
Fax +357-2-33 28 03
e-mail vet.services@cytanet.com.cy

CZH Czech Republic
MVDr. Josef Vitásek
State Veterinary Administration CR
Slezská 7
CZ – 120 00 Praha 2 / Czech Republic
Tel.: +420 – 227 010 144
Fax : +420 – 227 010 195
e-mail: j.vitasek@svscr.cz

Responsible expert:
MVDr Oldrich Matouch, Csc
National Reference Laboratory for Rabies
State Veterinary Institute
U Sila 1139
CZ-46311 Liberec 30 /Czech Republic
Tel. +420-48-2751 578
Fax +420-48-2751 569
e-mail matouch@volny.cz
Internet http://svs.aquasoft.cz

DNK Denmark
Dr. Preben Willeberg, CVO
Dr. Tina Mørk
Ministeriet for Fødevarer, Landbrug og Fiskeri
Danish Veterinary and Food Administration
Tel. +45 33956000
e-mail Tina Mørk <tm@FDIR.DK>

EST Estonia
Dr. Matti Nautras, CVO
Head of Animal Health Department
Veterinary and Food Broad of Estonia
Väike-Paala-Street 3
11415 Tallinn /Estonia
Tel. +372-605 1732
Fax +372-638 0210
e-mail nautras@vet.agri.ee

Responsible expert:
Dr. Külli Must
Head of Department
Veterinary and Food Laboratory
Kreutzwaldi 30
51006 Tartu /Estonia
Tel. +372-742 1246
Fax +372-742 1730
e-mail kylli@vetlab.ee

FIN Finland
Dr. Matti Aho, CVO
Dr. Tiia Tuupanen
Ministry of Agriculture and Forestry
Department of Food and Health
PO BOX 30
FIN-00023 Government
Finland
Tel. + 358-9-16001
Fax +358-9-160 54777
e-mail cvo-finland@mmm.fi
tiia.tuupanen@mmm.fi
Internet www.mmm.fi

FRA France
Dr. Florence Cliquet
Agence Francaise de Securite Sanitaire des Aliments (afssa) - Site de Nancy
Domaine de Pixérécourt
Boite Postale 9
F-54220 Malzéville /Republique Francaise
Tel. +33-3-83.29.89.50
Fax +33-3-83.29.89.59
e-mail f.cliquet@nancy.afssa.fr
Internet www.afssa.fr

DEU Germany
Dr. Karin Schwabenbauer, CVO
Fed. Ministry of Consumer Protection, Food and Agriculture
PF 14 02 70, D-53103 Bonn, Germany
Tel. +49 228 529 41 57
Fax +49 228 529 35 53
e-mail: poststelle@bmvel.bund.de

Responsible experts:
Dr. Matthias Kramer
Dr. Thomas Müller
Dr. Carsten J. Pötzsch
Fed. Research Centre for Virus Diseases of Animals
WHO Collaborating Centre for Rabies Surveillance and Research, Wusterhausen, Seestr. 55
D-16868 Wusterhausen/Germany
Tel. +49-33979-80 0
Fax +49-33979-80 200 and 222
e-mail who-rabies@wus.bfav.de
Internet www.bfav.de

GRC Greece
Dr. B. Stylas
Ministry of Agriculture

HUN Hungary
Dr. Tibor Balint
Dr. Zsolt Földi
Ministry of Agriculture and Regional Development
Animal Health and Food Control Department
H-1860 Budapest 55. Pf. 1
Tel. +36-1 3014329 and 332 7986
Fax +36-1 301 4669
e-mail foldiz@oai.hu

ISL Iceland
Dr. Halldor Runolfsson
Chief Veterinary Officer
Ministry of Agriculture, Veterinary Services
Solvholsgata 7
150 Reykjavik /Iceland
Tel. +354-560 9750
Fax +354-552 1160
e-mail halldor.runolfsson@lan.stjr.is

IRE Ireland
Dr. J. Melville
Superintending Veterinary Inspector
Department of Agriculture, Food and Forestry
Agriculture House
Dublin 2/Irland
Tel. +353-1-607 2981
Fax +353-1-661 2440

Responsible expert:
Dr. Patrick Corkery MVB, Ph.D.
Veterinary Liaison Officer
Floor 3C, Department of Agriculture,
Food and Rural Development,
Kildare Street
Dublin 2/Ireland
Tel. +353-1-607 2981
Fax +353-1-607 2989
e-mail Paul.Corkery@daff-irlgov.ie
Internet www.irlgov.ie/daff

ITA Italy
Dr. Franco Mutinelli
Istituto Zooprofilattico
Sperimentale delle Venezie
Viale dell'Università, 10
I-35020 Legnaro (PD) /Italy
Tel. +39-049-80 84 259
Fax +39-049-80 84 258
e-mail fmutinelli@izsvenezie.it

LVA Latvia
Dr. V. Veldre
Dr. E. Jegers
Food and Veterinary Service
Animal Health Division
Republikas laukums 2
Riga, LV-1010, Latvija
Tel. +371 709 52 30
Fax +371 732 27 27
e-mail vvd@vvd.vita.gov.lv

LTU Lithuania
Dr. K. Lukauskas
Dr. A. Dranseika
State Veterinary Service

LUX Luxembourg
Dr. Arthur Besch, CVO
Inspection Vétérinaire
Grand-Duché de Luxembourg
Administration des Services vétérinaires
93, rue d'Anvers
Boîte postale 1403
L-1014 Luxembourg
Tel. +352-478 2539
Fax +352-407 545
e-mail Arthur.Besch@asv.etat.lu

MKD Macedonia
Sloboden Cokrevski, DVM
Ministry of Agriculture, Forestry and Water Economy
Veterinary Directorate
Republic of Macedonia
Leninova 2
1000 Skopje/Macedonia
Tel. + 389 2 3210468
Fax + 389 2 3210315
e-mail scokrevski@veterina.gov.mk

Responsible expert:
Prof. Dr. Misho Hristovski
Veterinary institute Skopje
Department of Biology and Pathology of Fish, Bees and Wild Animals
Lazar Pop Trajkov 5-7
1000 Skopje/Macedonia
Tel +389 2 3115125
Fax +389 2 3114619
e-mail hristovskim@hotmail.com

MDA Moldova
Dr. V. Bahau, Dr. A. Ganea
Dr. V. Kilary
Ministry of Agriculture

NED Netherlands
Dr. F.H. Pluimers
Ministry of Agriculture, Nature Environment and Fisheries
Bezuidenhoutseweg 73 - P.O. Box 20401
NL-2500 EK's-Gravenhage /Netherlands

Dr. Monique Aalten
Inspectorate for Health Protection, Commodities and
Veterinary Public Health, Regional Inspectorate East
De Stoven 22
NL-7206 AX Zutphen /Netherlands
Tel. +31-575-58 8 100
Fax +31-575-588 8 200
e-mail Monique.Aalten@kvw.nl

Responsible expert:
Dr. R.A.A. van Oosterom
Inspectorate for Health Protection
Commodities and Veterinary Public Health
P.O. Box 16108
NL-2500 BC The Hague /Netherlands

NOR Norway
Dr. Keren Bar-Yaacov, CVO
Norwegian Food Safety Authority
P.O. Box 383
N-2381 Brumunddal, Norway
Tel. +47 23 21 68 00
Fax +47 23 21 68 01
e-mail postmottak@mattilsynet.no

POL Poland
Dr. Piotr Kolodziej, CVO
Chief Veterinary Officer of the Polish Veterinary Inspection
30, Wspólna Street
00-930 Warsaw /Poland
Tel. +48-22-6231408 or 6288511
Fax +48-22-6231408 or 6288511
e-mail wet@minrol.gov.pl

Responsible experts:
Dr. Jan F. Zmudzinski
State Veterinary Institute, National Rabies Reference Centre, Department of Virology
Al. Partyzantów 57
24-100 Pulawy, Poland
Tel. +48-81-88630

PRT Portugal
Dr.C.A.M.de Andrade
Fontes
Direccao-Geral da Pecuaria

ROU Romania
Prof. Gabriel Predoi, CVO
General Director of the Sanitary Veterinary General Direction, National Sanitary Veterinary and Food Safety Authority
Bd. Carol I, nr. 24, sector 3
Bucuresti, cod 70.033 /Romania
Tel. +40-21-3157875
Fax +40-21-3124967
e-mail predoi@ansv.ro

RUS Russian Federation (European part)
Prof. V.A. Vedernikov
WHO Coll. Centre on Prev. and Control of Zoonosis
The Kovalenko All-Union
Inst. of Exper. Veterinary Medicine, Moscow
Dr. V.V. Seliverstov
Veterinary Dept., Moscow
Prof. B.L. Cherkasskiy
WHO Collaborating Centre on Zoonosis, Moscow
Central Research Institute of Epidemiology,
Ministry of Public Health, Moscow

SCG Serbia and Montenegro
Dr.Zivko Davidovic
Fed. Committee Agriculture

Jelena Desnica, MD (Director)
Nenad Muskinja, MD (Epidemiology, Rabies prevention)
Uros Ungurovic, VMD (Rabies diagnostics)
Pasteur Institute, Novi Sad
Hajduk Veljkova 1 / P.O. Box 208
21000 Novi Sad /Yugoslavia
Tel. +381-21-611-003, 420-528
Fax +381-21-611-003, 420-528
e-mail pasteuri@eunet.yu

SVK Slovak Republic
Prof. Dusan Magic, CVO
Roman Matejcik, DVM
State Veterinary Administration of the Slovak Republic
Botanická No 17
842 13 Bratislava /Slovak Republic
Tel. +421-2-60 257 227
Fax +421-2-65 411 159
e-mail welfare@svssr.sk

Responsible expert:
Miroslav Mojziš, DVM
Štátny veterinárny ústav Zvolen
Pod Dráhami No. 918
960 86 Zvolen /Slovak Republic

SVN Slovenia
Dr. Zoran Kovac, CVO
Ministry of Agriculture, Forestry and Food
Veterinary Administration of the Republic of Slovenia
Parmova 53, 1000 Ljubljana /Slovenia
Tel. +386-1-300 13 00
Fax +386-1-436 32 14
e-mail zoran.kovac.@gov.si
Internet www.sigov.si/vurs

Responsible expert:
Dr. Peter Hostnik
Veterinary faculty, Virological laboratory
Gerbiceva 60
1000 Ljubljana /Slovenia
Tel. +386-1-477 91 00
Fax +386-1-283 22 43
e-mail HostniPe@mail.vf.uni-lj.si

ESP Spain
Ilmo. Sr. D. Pedro Angel García González
Subdirector General de Sanidad Exterior
Tel. +34-91-596 20 38
Fax +34-91-596 20 47
e-mail pgarciag@msc.es

Sr. D. Carlos Abellán García
Jefe de Servicio de Veterinaria Oficial
Tel. +34-91-596 19 34
Fax +34-91-596 20 47
e-mail cabellan@msc.es

Ministerio de Sanidad y Consumo
Dirección General de Salud Pública
Subdirección General de Sanidad Exterior
C/Paseo del Prado, 18-20
E-28071 Madrid

Responsible expert - Diagnóstico:
Sr. D. Juan E. Echevarría Mayo
Servicio de Microbiología Diagnóstica
Centro Nacional de Microbiología
Instituto de Salud Carlos III
Ministerio de Sanidad y Consumo
Ctra. Majadahonda-Pozuelo s/n
28220 Majadahonda, Madrid
Tel. +34-91-509 79 01
Fax. +34-91-509 79 66
e-mail jeecheva@isciii.es

Epidemiología:
Sra. Dª Luisa Pilar Sánchez Serrano
Centro Nacional de Epidemiología
Instituto de Salud Carlos III
Ministerio de Sanidad y Consumo
C/ Sinesio Delgado, 6
E-28029 Madrid
Tel. +34-91-387 78 02
Fax +34-91-387 78 16
e-mail Isanchez@isciii.es

Dr. Ignacio Sanchez Esteban
Subdirector General de Sanidad Veterinaria
MAPA
Ministerio de Agricultura, Pesca y Alimentacion
Madrid /Spain
Tel. +34-91-347 82 95
Fax +34-91-347 82 99
e-mail isanchez@mapya.es
Internet www.mapya.es

Responsible expert:
D. Fulgencio Garrido Abellan
Tel. +34-958-44 03 75
Fax +34-958-44 12 00
e-mail fgarrido@moebius.es
Dña. Teresa Rodríguez-Trenchs
Tel. +34-91-347 83 46
Fax +34-91-347 82 99
e-mail trodrigu@mapya.es

SWE Sweden
Dr. Leif Denneberg
National Board of Agriculture
Department for Animal Production and Health
SE-551 82 Jönköping /Sweden
Tel. +46-36-15 50 00
Fax +46-36-30 81 82
e-mail leif.denneberg@sjv.se

Responsible expert:
Professor Anders Engvall
National Veterinary Institute
SE-751 89 Uppsala
Tel. +46-18-67 40 00
Fax +46-18-67 44 45
e-mail anders.engvall@sva.se

CHE Switzerland
PD Reto Zanoni
Dr. Urs Breitenmoser
University of Bern - Swiss Rabies Centre
Institute of Veterinary Virology
Länggass Str. 122
CH-3012 Bern /Switzerland
Tel. +41-31-631 23 78
Fax +41-31-631 25 34
e-mail zanoni@ivv.unibe.ch
e-mail breitenmoser@ivv.unibe.ch
Internet www.cx.unibe.ch/ivv

TUR Turkey
Dr. Musa Arik
Head of Animal Health Department
Ministry of Agriculture and Rural Affairs
General Directorate of Protection and Control
Esat cad. No. 3
06100 Bakanliklar, Ankara /Turkey
Tel. +90-312-41 82 436
Fax +90-312-41 78 209
e-mail musaa@kkgm.gov.tr

Responsible expert:
Dr. Orhan Aylan, Chief of Rabies Laboratory
Etlik Central Veterinary Control and Research Institute
06020 Etlik, Ankara /Turkey
Tel. +90-312-32 60 090 / 154
Fax +90-312-32 11 755

UKR Ukraine
Dr. P. Verbytskiy
Ministry of Agrarian Policy
State Department of Veterinary Medicine
Khreshchatik 24
01001 Kiev /Ukraine
Tel. +380-44-229 12 70
Fax +380-44-229 85 45
e-mail uzpr@minapk.kiev.ua

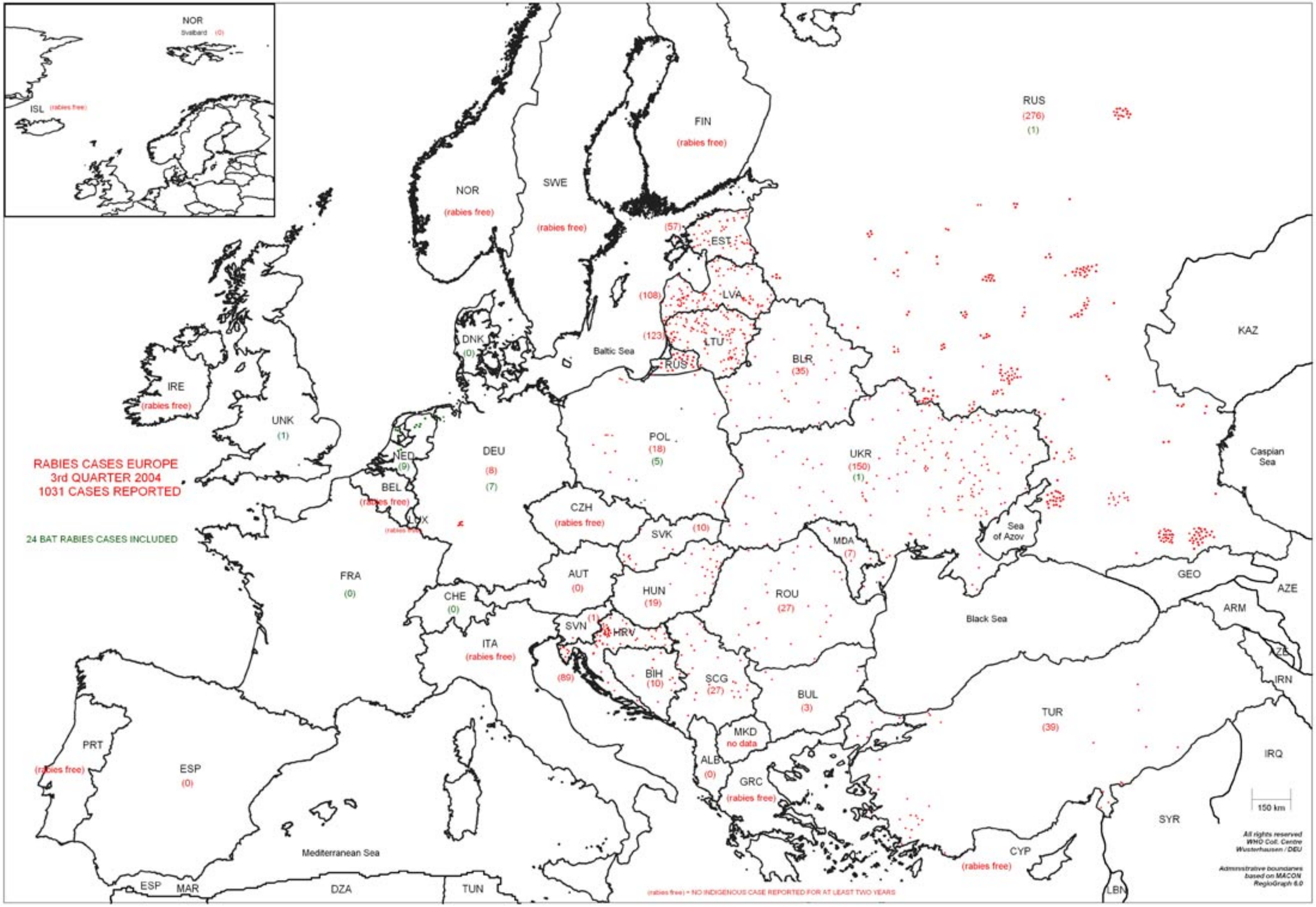
Dr. Liudmyla Grishok
Institute of Veterinary Medicine
Head of Laboratory for Rabies
Donetskaja Street 30
Kiev-151 /Ukraine
Tel. +380-44-243 72 38
Fax +380-44-242-69-81
e-mail ivm-kiev@akcecc.kiev.ua

Dr. Zoya Trotsenko
Head of Virology Department
Central State Laboratory of Veterinary Medicine
Donetskaya Street 30
Kiev-151, Ukraine
Tel/Fax +380-44-243 37 55
e-mail biotech@astral.kiev.ua

UNK United Kingdom
Dr. J.M. Scudamore, CVO
Dr. F. Landeg
Dr. Anna Guitton
Department for Environment, Food and Rural Affairs
Room 205a, 1A Page Street
London, SW1P 4PQ
Tel. +44-20-7904 6069
Fax +44-20-7904 6913
e-mail fred.Landeg@defra.gsi.gov.uk

Responsible expert:
Dr. Anthony R. Fooks
Rabies Research and Diagnostic Group, WHO Collaborating Centre, Department of Virology, Veterinary Laboratories Agency (Weybridge), New Haw, Addlestone, Surrey, KT15 3NB, UK
Tel: +44 1932-357840
Fax +44 1932-357239
e-mail t.fooks@vla.defra.gsi.gov.uk

Please inform the editor about changes of contact details!


NOR
Svalbard (0)
ISL (rabies free)
RABIES CASES EUROPE
3rd QUARTER 2004
1031 CASES REPORTED
24 BAT RABIES CASES INCLUDED
NOR
(rabies free)
SWE
(rabies free)
FIN
(rabies free)
RUS
(276)
(1)
EST
(57)
LVA
(108)
LTU
(123)
BLR
(35)
RUS
DNK
(0)
Baltic Sea
IRE
(rabies free)
UNK
(1)
NED
(9)
BEL
(rabies free)
LX
DEU
(8)
(7)
POL
(18)
(5)
UKR
(150)
(1)
KAZ
Caspian Sea
Sea of Azov
CZH
(rabies free)
SVK
(10)
MDA
(7)
AUT
(0)
HUN
(19)
ROU
(27)
GEO
AZE
ARM
Black Sea
FRA
(0)
CHE
(0)
SVN
(1)
HRV
(89)
ITA
(rabies free)
BIH
(10)
SCG
(27)
BUL
(3)
TUR
(39)
IRN
IRQ
PRT
(rabies free)
ESP
(0)
MKD
no data
ALB
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