RABIES BULLETIN EUROPE

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1. Introduction

This BULLETIN describes the reported rabies cases in Europe for the Third Quarter 1995, subsequently referred to as "This Quarter".

In SECTION 2 a summary of the rabies situation in general is given.

SECTION 3 (3.1-3.36) reflects the situation for individual countries. In the Miscellaneous SECTION (4) under 4.1 an article describes the more recent situation of Poland with the practicing of oral vaccination of foxes which was started in 1993. 4.2 gives a summary report on rabies in Slovenia.

The rabies case data are tabulated for the **Third Quart**er 1995 in SECTION 5. The arrangement of countries follows practical considerations, not alphabetical ones.

SECTION 6 lists the official contributors to the BULLETIN.

The geographical distribution of rabies cases in Europe for the **Third Quarter 1995** is shown on maps of Europe, the Russian Federation and Turkey in the ANNEX.

2. Summary of Rabies in Europe

During "This Quarter", 1432 rabies cases were reported in Europe. Of these were 1005 in wild animals (70.2% of total), 426 in domestic animals and there was 1 human case.

Of the cases in wild animals, 905 were foxes, 24 raccoon dogs, 8 badgers, 12 stone martens, 27 pine martens, 1 polecat, 2 ferrets, 1 large weasel, 1 other wild carnivore, 15 roe deer, 1 fallow deer, 1 mole, 2 bats, 1 squirrel, 1 hamster, 1 black rat, 1 wild rabbit, 1 unspecified animal. Of the 426 domestic animals, 123 were dogs (of which 43 were recorded in Turkey, a country with dog-mediated rabies), 124 cats, 159 cattle, 2 horses, 4 pigs, 14 sheep. These data are summarized in TABLES 1 and 3.

TABLE 2 adds up quarters 1 to 3 of 1995. Comparing the total (5473 cases) to the same time span of 1994 (6034 cases - corrected figure) there has been a reduction of 561 cases in 1995.

For the third quarter a seasonal increase of rabies is expected in countries with foxmediated rabies, due to the dispersal of the young foxes born in spring increasing the contact rate in the population. Oral vaccination interfers though with this seasonal increase. During "This Quarter", approximately half of the countries of Europe notice a reduction, the other half an increase of rabies cases. Therefore, the increase of the total of "This Quarter" (1432) is not very pronounced compared to the previous quarter (1418 - corrected figure).

Turkey, the only country with **dog-mediated rabies**, registered 57 cases, 10 cases more than in the previous quarter.

There were 2 bat rabies cases, 1 in Germany and 1 in the Netherlands. Because of the distinct features of bat rabies, the cases are marked in a different colour in the map of the ANNEX.

One **human case** was reported from the Russian Federation.

Rabies-free countries in Europe participating in the surveillance were: Finland, Greece, Iceland, Ireland, Norway, Portugal, Sweden and the United Kingdom of Britain and Northern Ireland.

There were no cases in Denmark, Luxembourg and Spain, but the last indigenously acquired case (in terrestrial animals or bats) was less than two years ago.

The status of the countries with data irregularly supplied cannot be judged.

3. Rabies in Individual Countries

3.1	Albania	ALB
	No data.	
3.2	Austria	AUT

by Helmut Schnabl

Of 7963 samples examined for rabies during "This Quarter" 15 cases (0.2%) were diagnosed rabid. There was a decrease of 2 cases compared to the previous quarter and a decrease of 16 cases compared to the third quarter 1994.

All cases occurred in foxes.

The following Bundesländer (federal provinces) were affected: Burgenland (4 cases), Niederösterreich (2), Salzburg (2) and Tirol (7).

3.3	Belgium	BEL
	by L. Hallet	

During "This Quarter", 33 rabies cases in animals were diagnosed, 23 foxes, 8 cattle and 2 sheep.

Four foxes and 2 bovines were recorded at PALISEUL, 2 foxes and 1 bovine at BIEVRE. Four cattle and 1 sheep were recorded at LIBRAMONT, 2 foxes and 1 sheep at NEUFCHATEAU. Three foxes were reported at LIBIN. Two foxes each were reported at BOUILLON and VIELSALM, and 1 fox each at BERTRIX, SAINTE ODE, ROCHEFORT, VAUX-SUR-SURE, ARLON, GOUVY, VIRTON and MARCHE EN FAMENNE.

An emergency summer vaccination campaign of foxes was carried out in July 1995, after 2 cases were diagnosed in foxes at VIELSALM. The area vaccinated represented a 30 km radius around VIELSALM.

3.4	Bulgaria	BUL
	and a second s	

During "This Quarter", one rabies case was reported from the province of Pleven.

3.5 Belarus BYE

by S.N. Shpilevsky

During "This Quarter", 14 rabies cases were diagnosed in animals (5 foxes, 3 dogs, 3 cats, 1 horse, 2 bovines).

All 6 regions of the country were affected by the disease recording 1 to 7 cases.

Second Quarter 1995

During the second quarter 1995, 6 rabies cases were reported in Belarus. The cases occurred in 2 dogs, 3 cats, and 1 horse. Of the 6 regions of the country only the Vitebsk and the Grodno regions were affected.

3.6 Croatia CRO

by Mate Brstilo

During "This Quarter", 65 animal rabies cases were registered in Croatia, 61 in wild animals (60 foxes, 1 weasel), and 4 in domestic animals (2 dogs, 2 cats).

Cases were scattered in the country and numbered between 0 and 4 in the communities. All islands were free from rabies.

3.7 Czech Republic CZH

by Oldrich Matouch

A total of 50 rabies cases was registered during "This Quarter", 20 cases more than during the third quarter 1994 and 19 cases more than in the previous quarter.

48 wild animals were affected by the disease (44 foxes, 2 martens, 1 squirrel, 1 roe-deer), and 2 domestic animals (1 cat, 1 bovine).

Rabies cases were most frequent in the region of North Bohemia. There were 32 cases in Liberec and Jablonec districts, neighbouring Poland and Germany. This fierce outbreak developed in spite of oral vaccination practiced here since autumn 1991.

3.8	Denmark	DEN

by Eric Stougaard

There was no case reported during "This Quarter".

3.9	Germany,	DEU
	Federal Republic	

by Winfried W. Müller and Hartmut Schlüter

A total of 152 rabies cases was reported during "This Quarter", 52 cases less than in the previous quarter and 129 cases less than in the third quarter 1994.

As mentioned in the report for the last quarter, the peak of rabies cases in the heavily infected areas of the western federal states of Nordrhein-Westfalen, Rheinland-Pfalz, Hessen and Saarland seems to have been in the fourth quarter 1994 (total number of cases Germany-455). Though a seasonal increase of cases is expected for the third quarter of the year, there was again a decrease by 53 cases (not considering the bat case of "This Quarter") compared to the second quarter 1995.

Isolated cases of residual foci were noticed in Niedersachsen and Sachsen. The residual focus from the previous quarter in Baden-Württemberg has developed to 8 cases. Two cases in Bavaria, the largest German federal state, were connected to a more recent outbreak. This is one of the lowest records of rabies cases for one quarter in this federal state since it was infected in 1951.

In Mecklenburg-Vorpommern one bat rabies case was reported.

3.10	Estonia	EST	3
			-

by Matti Nautras

During "This Quarter", 27 rabies cases were registered in Estonia, 8 cases more than during the previous quarter and 1 more than during the third quarter in 1994.

Of the 27 cases 16 were wild animals (12 foxes, 2 badgers, 2 raccoon dogs) and 11 domestic animals (5 dogs, 1 cat, 5 bovines).

Of the 15 districts of the country 11 were infected. Polvamaa recorded 10 cases, the other districts recorded between 1 and 4.

	3.11	Finland	FIN
--	------	---------	-----

by Bengt Westerling

The country remained rabies-free.

<u>Surveillance:</u> 18 animals (6 raccoon dogs, 1 fox, 1 large weasel, 3 bats, 3 dogs, 3 cats, 1 bovine) were examined for rabies but revealed negative results.

3.12	France	FRA

by Michel F.A. Aubert

There were only 3 cases of rabies reported from France, all of them in foxes.

The cases were located in the following departments (départements): Ardennes, Doubs and Moselle.

3.13	Greece	GRE
	by I. Koykidis	
rabies-f	The country free.	remained
3.14	Hungary	HUN

by Balint Kerekes

During "This Quarter", 214 rabies cases were registered in Hungary, 57 cases more than during the previous quarter and 66 cases more than during the third quarter 1994 (an increase of 44.6%). Of the principal animals affected by the disease were 163 foxes (76.2% of total; 3/94 = 78.4%), 31 cats (14.5%; 3/94 = 10.8%) and 11 dogs (5.1%; 3/94 =4.1%).

The Komitate (provinces) recording most of the cases during "*This Quarter*" were Borsod-Abanj-Zemplen (27 cases), Somogy (22 cases) and Fejer (21 cases).

In October an oral vaccination campaign is planned in the west of the country comprising 10,000 km².

			228 C 22 C - 1027			-11 -
3.15	Iceland	ICE	3.19 Luxembourg	LUX	3.23	
rabies	The country -free.	remained	by Joseph Kremer			by G
3.16	Ireland	IRE	During " <i>This</i> er", no rabies case wa	s diag-	rabies	The free.
rabies	The country -free.	remained	nosed in the country. T case occurred in May 19 As planned, a va	995.	3.24	
	21 - 62	Mereter Doubs st	ion campaign for foxe carried out from 1823		Strain 1	by Ja
3.17	Italy	ITA	tember 1995. 49,000			

by Santino Prosperi

During "This Quarter", 2 rabies cases were diagnosed in Italy, one fox in the province of Trieste and one pine marten in the province of Gorizia. The first case occurred in an area previously infected, the second case in a municipality infected for the first time.

3.18	Lithuania	LTU

by K. Lukauskas and A. Dranseika

During "This Quarter", 15 rabies cases were diagnosed in 10 districts. Most of the affected animals were domestic animals - 5 cats, 1 dog, 4 bovines. Additionally, 3 foxes, 1 polecat and 1 wild rabbit were diagnosed rabid.

There were 1 to 3 cases recorded in the 10 infected districts.

More than 15,000 dogs received an antirabies vaccination.

There was no human rabies case reported in the country.

ORAL vaccine baits were distributed by helicopter (ca. 19/km²).

11 animals were examined for rabies (6 foxes, 1 marten, 2 roe deer, 2 squirrels) during "This Quarter" revealing negative results.

	3.20	Latvia	LVA
--	------	--------	-----

Data not yet received before going to press.

3.21	Moldova	ML/D
	No data.	
3.22	Netherlands	NET

by G. Visser

During "This Quarter", one bat was diagnosed rabid in Noord Holland out of a total of 32 animals examined in the country (2 foxes, 2 dogs, 28 bats).

Norway

NOR

Judbrand Bakken

e country remained

3.24	Poland	POL
------	--------	-----

lan Śmiechowicz

A total of 375 rabies cases was registered in Poland during "This Quarter", 45 cases less than during the previous quarter and 221 cases less than during the third quarter 1994. There were 284 cases (75.7% of total) in wild animals (227 foxes, 20 raccoon dogs, 1 badger, 26 pine martens, 2 ferrets, 6 roe deer, 1 mole, 1 hamster) and 91 in domestic animals (20 dogs, 42 cats, 26 bovines, 1 horse, 2 sheep).

The rabies situation along the state border to Germany and the Czech Republic has much improved, where oral vaccination of foxes has been practiced since 1993 (see as well report in this issue under 4.1). Concentration of cases occurred in the center of the country.

3.25	Portugal	POR

The country remained rabies-free.

3.26 Romania ROM

by Gheorge Stratulat

Four cases of rabies (2 in foxes and 2 in cats) were reported in Romania during "This Quarter".

Only 2 provinces were affected by the disease: Salaj (3 cases) and Huneduara (1 case).

3.27	Russia	RUS
(European part	only)

by V.A.Vedernikov, B.L.Cherkasskiy, V.E.Semljanova, P.K. Shumilov, S.A.Kolomycev, V.V.Pinaev and A.F.Pelin

During "This Quarter", 166 rabies cases in animals were reported from the European Part of Russia. Of the total number of cases 124 were in domestic animals - 22 dogs, 23 cats, 75 bovines, and 4 pigs. Of 42 wild animals rabies was diagnosed in 38 foxes, 2 raccoon dogs, 1 badger and 1 korsak (Vulpes corsac L.).

The most affected regions were Orenburg region with 28 cases, Belgorod region with 27 cases and Tatarstan with 27 cases.

There was 1 human case reported in the Ulyanovsk region.

3.28	Spain	SPA

by Carlos Abellán García

The mainland and islands of Spain remained

rabies-free of terrestrial animals.

There were no cases during "This Quarter" in the Spanish territory of North Africa nor were any cases in bats.

3.29 Slovak Republic SVK

by Jozef Sokol and Bohuslav Lovas

During "This Quarter", the total number of rabies cases confirmed in Slovak Republic amounted to 57. Of these 39 cases were in wild animals and 18 in domestic animals. Of the wild animals the disease was registered in 36 foxes and 3 other martens and of the domestic animals in 12 dogs, 2 cats and 4 bovines.

3.30 Slovenia SVN

by Zoran Kovač

During "This Quarter", 166 animal rabies cases were recorded in Slovenia. 152 of the cases (91.6% of total) were in foxes, 7 in other wild animals (2 badgers, 3 stone martens, 2 roe deer) and 7 in domestic animals (1 dog, 5 cats, 1 bovine).

Communities with a high incidence were: Domžale in the centre of the country (19 cases), the neighbouring community Litija (24 cases) and Ptuj in the north-east (25 cases). All other communities reported less than 11 cases.

Oral vaccination of foxes is planned to be carried

out in the fourth quarter 1995. The entire country will be vaccinated. On an area of 20,000 km² 300,000 vaccine baits will be distributed.

SWE

The country remained rabies-free.

3.32 Switzerland SWI

by Urs Breitenmoser

During "This Quarter", the Swiss Rabies Centre examined a total of 505 animals, of which 0.4% (2) were positive for rabies. In the previous quarter, 0.9% (5 out of 568) and in the third quarter of 1994, 10.6% (45 out of 426) had been recorded positive, respectively. The cases of rabies observed in this quarter involved 1 badger (from the canton of Neuchâtel) and 1 roe deer (canton of Aargau).

22 bats (2 Myotis daubentoni, 2 Myotis myotis, 1 Myotis mystacinusi, 14 Pipistrellus pipistrellus, 3 Pipistrellus kuhli) were received for rabies analysis during this quarter. One could not be examined; none of the remaining 21 was found to be positive for rabies.

No one was known to have been bitten by a rabid animal. The number of people treated for non-bite exposures is not recorded.

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3.33	Turkey	TUR	3.34	Ukraine	UKR	3.36	Yugoslavia	YUG		
	by Mehmet Alkan			No data.			by Jan Kišgeci			
	During " <i>This</i> 59 animal rabies	s cases	3.35	United Kingdo	m UNK		Ten rabies ca 1 dog, 1 cat) wer	e regis-		
	reported from Tur from the Province ul.			by P.J. Thomas	2 912	in Voj	uring "This Qua vodina in the n untry and 4 in Se	orth of		

The disease occurred in 43 dogs (72.9% of total), 4 cats, 11 cattle and 1 wild animal, a badger.

The country remained rabies-free.

4. MISCELLANEOUS ARTICLES

4.1 Rabies in Poland from 1990 to 1994 and the Effect of **Oral Vaccination of Foxes Practiced since 1993**

by J.F. Zmudzinski and M. Smreczak The National Veterinary Institute, Virology Department, al. Partyzantow 57, 24-100 Puławy, Poland

Development of Rabies

12230 rabies cases were diagnosed in Poland from 1990 to 1994. TABLE 4.1.1 shows that 9998 cases (81.7%) were recorded in wild and 2232 (18.3%) in domestic animals. The peak of rabies cases was recorded in 1992 with 3074 cases (25.1% of gross total during the mentioned period). TABLE 4.1.2 shows that the red fox was the main reservoir of rabies in Poland (82.7% of cases of all wild animals). 856 (8.5%) of the wild animals recorded were in raccoon dogs.

The highest incidence of rabies in all domestic ani-

mals has been observed in cats (36.7%) followed by cattle (35%) and dogs (26.3%) (TAB-LE 4.1.3). According to the Polish regulations yearly vaccination of dogs against rabies is obligatory, but not all owners bring their dogs for vaccination. No stray dogs have been recorded in Poland. **Oral Vaccination**

In 1992 the Polish Veterinary Administration decided to introduce the oral vaccination of wildlife (OV). The SAD B19 strain in Tübingen baits (Fuchsoral) was chosen to be used in Poland. Two campaigns were carried

out in 1993. 700.000 vaccine baits were distributed in each campaign in a zone 100 km deep along the western border of Poland in the districts (voivodships) Szczecin, Gorzów, Zielona Góra, Legnica, Wałbrzych, Jelenia Góra. Four fixed wing planes equipped with a GPS system of navigation were used for the distribution of the vaccine baits.

Information was given on the campaigns by local radio and TV networks, by local newspapers, leaflets at schools and at churches during services. The information campaigns and the interviews have

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been organized by the veterinary administration of the different voivodeships.

17 baits per km² were distributed in each of two campaigns in 1993.

The same organization of the OV was applied in 1994. The baited area though was extended by three districts (voivodeships) Koszalin, Piła, and Słupsk. The total area of vaccine distribution comprised 64044 km². 1,000,000 vaccine baits were placed during spring (15.6 baits/km²) and 900,000 (14 baits/km²) during autumn campaigns.

In 1995 the area covered was extended to the east adding 11 districts (voivodeships) but some were only treated partially: Gdańsk, Poznań, Leszno, Kalisź (50% of the area), Wrocław, Opole, Katowice (50%), Bielsko Biała, Czestochowa (25% of the area, Bydgoszcz (50%) and Konin (50%).

Excluding the lakes and inhabited areas the vaccine baits were placed on the surface of 80,000 km² in 1995. Two campaigns were carried out; one in spring and one in autumn. 1,500,000 vaccine baits were placed in spring (19 baits per km²) and 1,450,000 (18 baits per km²) were placed in autumn. The map of FI-GURE 4.1.1 shows the course of OV in Poland from 1993-1995.

In 1994, after three campaigns, 240 bone samples from foxes shot in the baited area were tested for tetracyline (TC) and 122 blood samples were tested for antibody against rabies vaccine virus. The RFFIT was used for antibody titration.

188 (78.3%) samples

were TC positive and 113 (92.6%) had rabies antibodies. The geometric mean of antibody titer was 388. After the fourth OV campaign 581 bone samples and 244 blood samples have been tested. 340 (58.5%) have been TC positive and 162 (66.4%) had rabies antibodies. The geometric mean of antibody titer was 384.

The epidemiological development shows a significant decrease of rabies cases. Examples are given in TABLE 4.1.4.

Szczecin district had cases since June 1994. Gorzow and Zielona Góra districts recorded 1 and 5 rabies cases in 1995 respectively. The epidemiological situation in the districts (voivodeships) Jelenia Góra, Legnica, Wałbrzych, Koszalin, Słupsk, Piła has much improved.

<u>Editors note</u>: The figures in this article may slightly differ to figures published in this BULLETIN as they are drawn from different sources.

	WILD ANIMALS	DOMESTIC ANIMALS	TOTAL	% OF GROSS TOTAL
1990	1661	347	2008	16.4
1991	1861	423	2284	18.7
1992	2539	535	3074	25.1
1993	2149	477	2626	21.5
1994	1788	450	2238	18.4
TOTAL	9998	2232	12230	
%	81.7	18.3	100.0	

TABLE 4.1.1: Rabies cases in Poland 1990-1994

	Badger	Wild Boar	Racoon Dog	Hedge- hog	Marten	Red Fox	Deer	Rat	Pole- cat	Squir- rel	Total
1990	17	4	143	2	46	1375	59	1	12	2	1661
1991	17	6	170	1	42	1513	94	1	15	2	1861
1992	25	10	231	2	67	2079	107		16	2	2539
1993	12	4	187		65	1803	65	1	9	3	2149
1994	8	1	125	1	76	1506	46	1	13		1775
Total	79	25	856	6	296	8276	371	4	87	9	9985
%	0.79	0.25	8.57	0.06	2.95	82,88	3.71	0.04	0.85	0.09	100.0

 TABLE 4.1.2: Rabies cases in wildlife in Poland 1990-1994

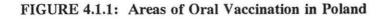
TABLE 4.1.3: Rabies cases in domestic animals in Poland 1990-1994

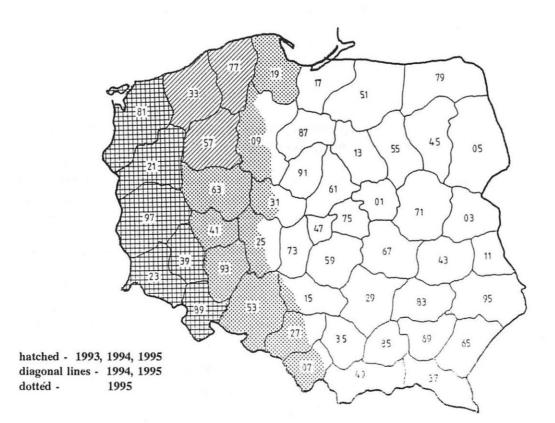
	Horse	Cattle	Cat	Sheep	Dog	Swine	Total
1990	4	102	145	3	93		347
1991	1	137	138	4	142	1	423
1992	4	225	185	4	115	2	535
1993	4	179	153	8	133		477
1994	4	141	197	3	103		448
Total	17	784	818	22	586	3	2230
%	0.78	35.0	36.7	0.98	26.3	0.15	100.0

TABLE 4.1.4: Number of rabies cases in voivodeships treated longest by OV

District	1992	1993	1994	1995 *
Szczecin	149	144	10	0
Gorzów Wlkp.	150	110	13	1
Zielona Góra	166	91	14	5
Jelenia Góra	66	65	44	31
Legnica	46	36	45	7
Wałbrych	103	89	62	15

* without 4th quarter





Voivodeships (with their administrative codes) vaccinated 1993-1995 with reference to the above map:

1993	1994	1995
81 Szczecin 21 Gorzów Wlkp. 97 Zielona Góra 39 Legnica 23 Jelenia Góra 89 Wałbrzych	81 Szczecin 21 Gorzów Wlkp. 97 Zielona Góra 39 Legnica 23 Jelenia Góra 89 Wałbrzych 33 Koszalin 57 Pila 77 Słupsk	 81 Szczecin 21 Gorzów Wlkp. 97 Zielona Góra 39 Legnica 23 Jelenia Góra 89 Walbrzych 33 Koszalin 57 Pila 77 Słupsk 19 Gdańsk 63 Poznań 41 Leszno 25 Kalisz (50%) 93 Wrocław 53 Opole 27 Katowice (50%) 07 Biełsko Biała 15 Częstochowa (25%) 09 Bydgoszcz (50%) 31 Konin (50%)

4.2 Slovenia, the Country Presently with the Highest Incidence of Rabies Along the Border of the European Union

by Peter Hostnik, Institute of Microbiology, Veterinary Faculty, Gerbičeva 60, Ljubljana, Slovenia

The sylvatic rabies epizootic of Europe is supposed to have originated somewhere at the border of Poland and the Soviet Union around 1939/40. After the Second World War it spread in southerly and southwesterly direction approximately at a speed of 30-50 km per year. Rabies reached Hungary in 1954 and the country was entirely infected in 1971.

In Slovenia the first fox rabies case was diagnosed in Prekmurje in 1973 near the Hungarian border. The disease spread in south-westerly direction to the river Mura. The river was not crossed for 10 years as the area was not densely populated by foxes and intensive hunting was practiced.

In 1979 the country was invaded at a second place in the north-west close to the borders of Austria and Italy. Here an explosive outbreak developed with a peak of 1766 rabies cases for the country in 1981 (see FIGURE 4.2.1-exact data can be taken from RAB-IES BULLETIN EUROPE 4/94, TABLES 4.2.1-4.2.3). In 1982 rabies spread to the south toward the border of Croatia and within the centre of the country reaching an annual total of rabies cases of 805 in 1988 and 761 in 1989.

The more recent development of rabies and epidemiology

In the more recent years the rabies situation improved, partly because oral vaccination of foxes was started in 1988 (see later). In 1992 though an increase of rabies cases was recorded which is still continuing. While during the first three quarters of 1994 551 cases were recorded, 730 were recorded in 1995.

Rabies appears in Slovenia as typical fox-mediated. Out of 2632 samples to be examined for rabies in 1994 1695 samples were foxes and 750 of these (89.4% of total) were positive for rabies. Other animals diagnosed rabid in 1994 were: 1 lynx, 21 badgers, 14 stone martens, 3 pine martens, 1 polecat, 19 roe deer, 12 dogs, 11 cats, 1 horse, 4 bovines, 2 domestic rabbits.

Due to the fox-mediated rabies, control concentrates mainly on oral vaccination. However, farm animals on pasture and dogs are being vaccinated as well.

A human rabies case was last recorded in 1951. Vaccination is obligatory for persons with contact or suspected contact to rabid animals. In 1994 4380 humans visited the anti-rabies ambulants. 863 persons were vaccinated after exposure to rabid or rabies suspected animals - 512 to dogs, 156 to cats, 94 to foxes and 101 to other animals (see FIGURE 4.2.2). Pre-exposure vaccination was carried out on 141 persons who are in danger of being exposed due to their work like veterinarians, laboratory workers, hunters, etc.

Oral vaccination of foxes against rabies

Ten years after the first field test of oral vaccination of foxes against rabies in Switzerland in 1978 a test in an area of 540 km² was carried out in the north of Slovenia. In October 1988 Tübingen vaccine baits were hand placed by hunters in a first campaign which was followed by a spring and autumn campaign in 1989. From this time on it was decided how to continue the programme according to the epidemiological development and available finances.

While the first three campaigns brought relative good results regarding seroconversion rate of the follow-up samples (56%), the results of the years 1990 to 1992 were not satisfactory (39.2%).

In 1993 no spring vaccination could be carried out, the autumn campaign only partially in the north-west of the country. In 1994 again, only small areas could be vaccinated in the west and the campaign in spring 1995 was not carried out at all. In summary, as from 1993 on the oral vaccination in Slovenia was not performed in a continuous programme, the reason being constraint of budget.

It is now planned to have three continued vaccination campaigns to cover the entire country, starting in autumn 1995. The distribution is to be carried out by airplane. It is expected that Slovenia can participate in the EU scheme to support oral vaccination financially, as far as support is allocated to non-EU member states along borders with the EU.



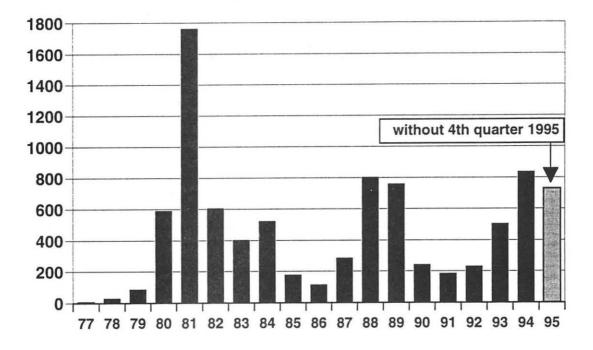
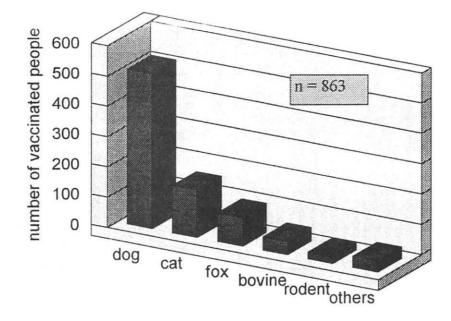


FIGURE 4.2.2: Persons vaccinated against rabies after exposure to various animals in 1994



14

TABLE 1

EUR EUROPE	3/95	i		I	ABI	ES	CASE	S					1.7.	95 - 30	. 9.95
LOCATION		DOM	EST	IC A	NIM	ALS			WI	DA	NIM	ALS			
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	CASES	TOTAL
ALB ALBANIA **							0						0		0
AUT AUSTRIA							0	15	-	-	-	-	15		15
BEL BELGIUM	-	-	8	-	2	-	10	23	-	-	-	-	23		33
BUL BULGARIA			200				0		-	-	-	1	1	1 2	1
BYE BELARUS	з	3	2	1	-	-	9	5	-	-	-	-	5		14
CRO CROATIA	2	2		-	-	-	4	60	-	1	-	-	61		65
CZH CZECH REPUBLIC	-	1	1	-	-	-	5	44	-	2	1	1	48		50
DEN DENMARK *							0						0		0
DEU FED.REP. OF GERMANY	2	2	14	-	10	-	28	113	-	4	6	1	124		152
EST ESTONIA	5	1	5	-	-	-	11	12	2	-	-	2	16		27
FIN FINLAND *							0						0		0
FRA FRANCE							0	з	-	-	-	-	3		3
GRE GREECE *							0						0		0
HUN HUNGARY	11	31	8	-	-	-	50	163	-	-	-	1	164		214
ICE ICELAND *							0						0		0
IRE IRELAND *							0						0		0
ITA ITALY		_	~				0	1	-	1	-	-	2		2
LTU LITHUANIA	1	5	4	-	-	-	10	з	-	1	-	1	5		15
LUX LUXEMBOURG *							0						0		0
LVA LATVIA **							0						0		0
MLD MOLDOVA **						1.2	0					e	0		0
NET NETHERLANDS							0	-	-	-	-	1	1		1
NOR NORWAY *	- 1 A					1	0						0		0
POL POLAND	20	42	26	1	2	-	91	227	1	28	6	22	284		375
POR PORTUGAL *							0						0		0
ROM ROMANIA	-	2	-	-	-	-	2	2	-	-	-	-	2		4
RUS RUSSIAN FEDERATION	22	23	75	-	-	4	124	38	1	-	-	3	42	1	167
SPA SPAIN *					1.00		0						0		0
SVK SLOVAK REPUBLIC	12	2	4	-			18	· 36	-	З	-	-	39		57
SVN SLOVENIA	1	5	1	-	-	-	7	152	2	З	2	-	159		166
SWE SWEDEN *							0						0		0
SWI SWITZERLAND + LIECHT			1000				0	-	1	-	1	-	2		2
TUR TURKEY	43	4	11	-	-	-	58	-	1	-	-	-	1		59
UKR UKRAINE **						6	0						0		0
UNK UNITED KINGDOM *							0						0		0
YUG YUGOSLAVIA	1	1	-	-	-	-	2	8	-	-	-	-	8		10
TOTAL	123	124	159	2	14	4	426	905	8	43	16	33	1005	1	1432
PER CENT	8.6	8.7	11.1	0.1	1.0	0.3	29.7	63.2	0.6	з.о	1.1	2.3	70.2	0.1	100.0

* NO CASES ** NO DATA

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TABLE 2

EUR EUROPE	1-3/	95		I	ABI	ES	CASE	S					1. 1.	95 - 30	.09.95
LOCATION		ром	EST	IC A	NIM	ALS			WI		NIM	ALS			
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	HUMAN CASES	TOTAL
ALB ALBANIA **							0						0		0
AUT AUSTRIA	1	-	-	-	-	-	1	60	6	1	4	-	71	1	72
BEL BELGIUM	-	Э	28	4	15		50	105		-	-		105		155
BUL BULGARIA 1)							0	-	- 1	-	-	6	6	1	6
BYE BELARUS	5	6	2	2	-	-	15	5	-	-	-	-	5	1	20
CRO CROATIA	6	4	-	-	3	-	13	271	1	Э	1	-	276		289
ZH CZECH REPUBLIC	2	Э	1	-	-	-	6	107	2	5	2	1	117		123
DEN DENMARK							0	-	-	-	-	1	1		1
DEU FED.REP. OF GERMANY	2	18	67	4	38	-	129	545	13	15	29	1	603	1	732
EST ESTONIA	10	5	5	-	-	-	20	24	4	-	-	10	38	1	58
IN FINLAND *	_						0	100					0	1	0
RA FRANCE	-		4	-	6	-	10	23		1	-	_	24		34
RE GREECE *							0			-			0	1	0
UN HUNGARY	43	77	20	-	1	1 1	142	597	- 1	1	з	1	602		744
CE ICELAND *					-	-	0	007		-		-	002	1	0
RE IRELAND *							o						ő	1	ő
TA ITALY	1	-	_	_	_	-	1	6		1	1	-	8		9
TU LITHUANIA	7	10	9	-	1	_	27	10	100 E	2	<u> </u>	5	17		44
UX LUXEMBOURG	-		-	-	1	-	1	5	-	-	-	-	5		6
VA LATVIA 2)	12	9	1	-	-	-	22	68	7	1	-	20	96		118
ILD MOLDOVA **	**	3	-				0	08		-		20			C
NET NETHERLANDS 3)	- 1						o	-	_	_	-		0		0
NOR NORWAY *							0	-	-	-	1.000	4	4		4
POL POLAND	88	101	52		2		271	OOF		70	~ ~		0		0
	88	124	52	1	2	4	Contraction of the second s	905	6	73	24	74	1082		1353
POR PORTUGAL *							0						0		0
OM ROMANIA	4	4 60	216	- 9	4	1	13	11	1	-	-	1	13	-	26
US RUSSIAN FEDERATION	98			9	44	6	433	99	1	-	24	9	133	7	573
SPA SPAIN 4)	5	-	-		-		5		1				0		5
SVK SLOVAK REPUBLIC	23	14	4	-	-	-	41	119	-	4	1	2	126		167
SVN SLOVENIA	5	15	1	-	-	-	21	681	5	16	6	1	709		730
SWE SWEDEN *							0						0		0
SWI SWITZERLAND + LIECHT	-	-	1	-	1		2	11	4	2	1	-	18		20
UR TURKEY	122	4	14	-	1	-	141	-	1	-	-	-	1		142
KR UKRAINE **							0						0		0
JNK UNITED KINGDOM *	1.1						0						0		0
TUG YUGOSLAVIA	1	5	2	-	-	-	8	34	-	-	-	-	34		42
OTAL	435	361	427	20	117	12	1372	3686	51	125	96	136	4094	7	5473
PER CENT	7.9	6.6	7.8	0.4	2.1	0.2	25.1	67.3	0.9	2.3	1.8	2.5	74.8	0.1	100.0

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* NO CASES ** NO DATA 1) NO DATA FOR FEBRUARY AND MAI 1995 2) NO DATA FOR 3RD QUARTER 1995 3) 1 CASE IMPORTED 4) NORTH AFRICA

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TABLE 3

LOCATION	OTHER DOMESTIC ANIMALS)	THER WILD	ANIMALS					
CODE NAME	PIG	RACCOON DOG	OTH.WILD CARNIV.		INSECTIV. BATS	SQUIRREL	HAMSTER	BLACK RAT		UNSPECIFIED	TOTAL
BUL BULGARIA	-	-	-	-	-	-	-	-	-	1	1
CZH CZECH REPUBLIC	-	-	-	-	-	1	-	-	-	-	1
DEU FED.REP. OF GERMANY	-	-	-	-	1	-	-	-	-	-	1
EST ESTONIA	-	2	-	-	-	-	-	-	-	-	2
HUN HUNGARY	-	-	-	-	-	-	-	1	-	-	1
LTU LITHUANIA	-	-	-	-	-	-	-	-	1	-	1
NET NETHERLANDS	-	-	-	-	1	-	-	-	-	.S	1
POL POLAND	-	20	-	1		-	1	-	-		22
RUS RUSSIAN FEDERATION	4	2	1	-	-	-	-	-	-	-	7
TOTAL	4	24	1	1	2	1	1	1	1	1	37
PER CENT	10.8	64.9	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	100.0

				1	RABI	ES	CASE	S					1. 7.	95 - 30	. 9.95
LOCATION		р о м	EST	IC A	NIM	ALS			WI	LDA	н і м	ALS			
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	CASES	TOTAL
AUT AUSTRIA															
107 NEUSIEDL AM SEE 307 BRUCK AN DER LEITHA 309 GMUEND 502 HALLEIN 503 SALZBURG-LAND 705 KUFSTEIN 708 REUTTE 709 SCHWAZ							00000000	4 1 1 1 1 2 1 4					4 1 1 1 2 1 4		* + + + + 2 + 4
TOTAL	0	0	٥	0	0	0	0	15	0	0	0	0	15	0	15
PER CENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0
CZH сzесн ве	риві	IC													
01 CENTRAL BOHEMIA 02 SOUTH BOHEMIA 03 WEST BOHEMIA 04 NORTH BOHEMIA 05 EAST BOHEMIA 05 SOUTH MORAVIA 07 NORTH MORAVIA	-	1	1	-	-	-	0000000	1 2 2 7 3 2 7		11011			1 2 30 3 3 8		1 2 32 3 2 8
TOTAL	o	1	1	٥	0	0	2	44	0	2	1	1	48	0	50
PER CENT	0.0	2.0	2.0	0.0	0.0	0.0	4.0	88.0	0.0	4.0	2.0	2.0	96.0	0.0	100.0
SVK SLOVAK R	EPU	BLIC		2		2	- 6 -								
11 WEST SLOVAKIA 12 CENTRAL SLOVAKIA 13 EAST SLOVAKIA	1 11	- 2	4	-			5 0 13	12 7 17	=	- 3 -			12 10 17		17 10 30
TOTAL	12	2	4	0	0	0	18	36	0	з	0	0	39	0	57
PER CENT	21.1	3.5	7.0	0.0	0.0	0.0	31.6	63.2	0.0	5.3	0.0	0.0	68.4	0.0	100.0

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				L	RABI	ES (ASE	s					1. 7.	95 - 30	. 9.95-
LOCATION		DOM	EST	IC A	NIM	ALS			WI		NIM	ALS			
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	HUMAN CASES	TOTAL
BEL весстим															
LX LUXEMBOURG NA NAMUR	-	-	7 1	=	2	-	9 1	20 3	-	-	-	-	20 3		29 4
TOTAL	٥	0	8	0	2	0	10	23	0	0	0	0	23	0	33
PER CENT	0.0	0.0	24.2	0.0	6.1	0.0	30.3	69.7	0.0	0.0	0.0	0.0	69.7	0.0	100.0
FRA FRANCE															124
08 ARDENNES 25 DOUBS 57 MOSELLE							0 0 0	1 1 1			=		1 1		1 1 1
TOTAL	o	0	0	0	0	0	o	з	0	0	0	0	з	0	з
NET NETHERLA	NDS		•												
07 NOORD-HOLLAND							o	-	-	-	-	1	1		1
TOTAL	0	0	0	0	0	0	o	0	0	0	0	1	1	0	1

				1	RABI	ES	CASE	S					1.7.	95 - 30	. 9.95
LOCATION		р о м	EST	IC A	и і м	ALS			WI		NIM	ALS			<u> </u>
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	HUMAN	TOTAL
DEU FEDERAL REPUBLIC	C OF GEF	YNAM							14.	-					
03 NIEDERSACHSEN	-	-	2	-		-	2	2	-	-	-	-	2		4
05 NORDRHEIN-WESTFALEN 06 HESSEN	2	-	11	-	8	2	21	40	-	-	4	-	44		65
07 RHEINLAND-PFALZ	_	1	1	-	-	-	1	17	-	2	5	-	21		22
08 BADEN-WUERTTEMBERG		-					ō	8		-	-	-	8		8
09 BAYERN							0	2	-	-	-	-	2		2
10 SAARLAND 13 MecklenbVorpommern	-	1	-	-	2	-	3	25	-	-	-	1	25		28
14 Sachsen							0	-	1 -	1	-	-	1		1
TOTAL	2	2	14	٥	10	0	28	113	0	4	6	1	124	0	152
PER CENT	1.3	1.3	9.2	0.0	6.6	0.0	18.4	74.3	0.0	2.6	3.9	0.7	81.6	0.0	100.0
ITA ITALY															
34 TRIESTE E GORIZIA							0	1	-	1	-	-	2		2
TOTAL	0	0	0	0	0	0	0	1	0	1	0	0	2	0	2
SWI SWITZERLAND AND	LIECHTE	ENSTEIN													
01 AARGAU 12 NEUCHATEL							0 0	-	- 1	-	1	-	1 1		1 1
TOTAL	0	0	0	0	0	0	0	0	1	0	1	0	2	0	2

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				1	RABI	ES (CASE	S					1.7.	95 - 30	. 9.95
LOCATION		о о м	EST	IC A	NIM	ALS			WI		NIM	ALS			TOTAL
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	HUMAN CASES	TOTAL
BUL BULGARIA															
14 PLEVEN							0	-	-	-	-	1	1		1
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
ROM ROMANIA															
22 HUNEDOARA 32 SALAJ	=	1	-	=	=	-	1	2	-	-	-	-	0 2		1 3
TOTAL	0	2	o	0	0	0	2	2	0	0	o	0	2	0	4
PER CENT	0.0	50.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	100.0
TUR TURKEY															
16 BURSA 34 ISTANBUL 35 IZMIR 41 KOCAELI 54 SAKARYA	1 38 - 2 2	- 3 1 -	11 - -				1 52 1 2 2	-	1	-	-	-	0 1 0 0		1 53 1 2 2
TOTAL	43	4	11	0	0	0	58	0	1	0	o	0	1	0	59
PER CENT	72.9	6.8	18.6	0.0	0.0	0.0	98.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	100.0
YUG YUGOSLAV	IA														
60 SR SRBIJA 61 SAP VOJVODINA	1	1	-	_		_	0 2	4 4	-	2	=		4		4
TOTAL	1	1	o	o	o	0	2	8	0	0	o	0	8	0	10
PER CENT	10.0	10.0	0.0	0.0	0.0	0.0	20.0	80.0	0.0	0.0	0.0	0.0	B0.0	0.0	100.0

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				I	ваві	ES (CASE	S					1.7.	95 - 30	. 9.95
LOCATION		р о м	EST	IC A	NIM	ALS			WII	D A	NIM	ALS			TOTAL
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	HUMAN CASES	TUTAL
BYE BELARUS															
01 Brest Region	-	-	1	-	-	-	1						0	1	1
02 Vitebsk Region	-	2	-	-	-	-	2						0		2
03 Gomel Region	2		-		-	-	0	1	-	-	-	-	1		1
04 Grodno Region 05 Minsk Region	۲	1	-	1	-	-	4	1	-	-	-	-	3 1		7
06 Mogilev Region	1	-	1	-	-	-	2	-		_			ō		2
TOTAL	Э	3	2	1	0	0	9	5	0	o	0	0	5	0	14
PER CENT	21.4	21.4	14.3	7.1	0.0	0.0	64.3	35.7	0.0	0.0	0.0	0.0	35.7	0.0	100.0
08 Pskov Region 12 Twer Region 15 Moscow Region 16 Oryol Region 19 Tuls Region 26 Belgorod Region 27 Voronezh Region 28 Kursk Region	1 1 - 4 -	1 5 2	- 1 - 9 8 2		-	-	1 2 0 1 0 18 11 3	2 - 1 8 3 -				- - 1 -	00211931		1 2 2 1 27 14 4
32 Volgograd Region	1	1	3	-	-	_	5					-	0		5
33 Samara Region	1	1	1	-	-	-	Э	2	-	-	-	-	2		5
34 Penza Region 35 Saratov Region 36 Ulyanovsk Region 37 Republic of Kalmykiya	1 1	1 5	1 3	-	=	- - 3	0 3 9 7	1	-	-	-	-	1 1 0	1	1 4 10 7
38 Republic of Tatarstan	-	2	23	-	_	-	25	2	-	-		_	0		27
39 Krasnodar Territory	2	-	3	-	-	-	5	-					0		5
40 Stavropol Territory	-	-	1	-			1	2	-	-	-	-	2		3
41 Rostov Region	-	-	1	-	-	-	1						0		1
42 Orenburg Region	4	2	11	-	-	-	17	10	-	-	-	1	11		28
44 Republic of Bashkorto 46 Kaliningrad Region	4	2	5	-	-	-	11	6	-	-	-	-	6 0		17
TOTAL	22	23	75	o	0	4	124	38	1	o	0	з	42	1	167
PER CENT	13.2	13.8	44.9	0.0	0.0	2.4	74.3	22.8	0.6	0.0	0.0	1.8	25.1	0.6	100.0

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CRO	С	R	0	A	т	I	A	

RABIES CASES

1. 7.95 - 30. 9.95

LOCATION		DOM	EST	IC A	NIM	ALS			WI	DA	NIM	ALS			
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	HUMAN CASES	TOTAL
004 BJELOVAR							0	1	-	-	-	-	1		1
006 BUJE	1 1						0	2		-	-	-	2	1	2
007 BUZET							0	2	-	-	-	-	2		2
009 CRIKVENICA	1 1						0	2		-	-	-	2	1	2
11 CAKOVEC	1 1						0	1	-	-			1	1	1
D17 DONJI MIHOLJAC	1 1						0	1	-	-	-	-	1		1
19 DUBROVNIK							0	1	-	-	-	-	1		1
20 DUGA RESA	1	-	-	-	-	-	1	1	-	-	-	-	1		2
DAKOVO	1 1						0	1	-	, -	-	-	1		1
D24 DURDEVAC	1 1						0	1	-	-	-	-	1		1
25 GARESNICA							0	1	-	-	-	-	1		1
31 IMOTSKI							0	2	-	-	-	-	2		5
32 IVANEC	1 1		· · · ·				0	2	-	-	-	-	2		2
34 JASTREBARSKO							0	1	-	-	-	-	1		1 1
38 KLANJEC	1 1						0	1	-	-	-	-	1		1
43 KRAPINA	1 1						0	1	-	-	-	-	1		1
44 KRIZEVCI	-	1	-	-	-	-	1	2	-	-	-	-	2		3
46 KUTINA	1						0	1	-	-	-	-	1		1
D52 NASICE	1 1						0	2	-	-	-	-	2	1	2
53 NOVA GRADISKA	-	1	-	-	-	-	1						0		1
54 NOVI MAROF	1 1						0	1	-	-	-	-	1		1
55 NOVSKA	1	1					0	1	-	-		-	1		1
D58 OMIS	1 1						0	1	-	-	-	-	1		1
065 PAKRAC	1 1			-			0	2	-	-	-		2		2
D69 POREC	1 1						0	2	-	-	-	-	2	1	2
70 PREGRADA	1 1				-		0	1	-	-	-	-	1		1
75 SENJ	1 1						0	1	-	-	-	-	1		1
77 SISAK	1 1						0	2	-	-	-	-	2		2
78 POZEGA	1 1						0	2	-	-	-	-	2		2
82 SPLIT 83 SIBENIK							0	1	-	-	-	-	1		1
087 VARAZDIN	1			-	-	-	1	3	-	-	-	-	3		4
BB VINKOVCI	1 1						0	2	-	-	-	-	2		2
089 VIROVITICA	1 1						0	2	-	-	-	-	2	1	2
95 VRGORAC	1 1		1.1				0	3	-		-	-	3	1	
97 ZABOK							0	1		1	-	-	2		2
100 ZLATAR BISTRICA	1 1						0	2					2		2
102 GRAD ZAGREB						1 A.	0	4	-	-	-	-	4		4 3
OTAL	2	2	0	0	0	0	4	60	٥	1	0	0	61	0	65
PER CENT	3.1	3.1	0.0	0.0	0.0	0.0	6.2	92.3	0.0	1.5	0.0	0.0	93.8	0.0	100.0

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RABIES CASES 1. 7.95 - 30. 9.95 LOCATION DOMESTIC ANIMALS WILD ANIMALS HUMAN TOTAL CODE NAME SHEEP TOTAL OTHER TOTAL CASES OTHERS FOX BADGER MUSTEL DEER OTHERS DOG CAT CATTLE HORSE GOAT EST ESTONIA 01 Harjumaa з з 1 -------1 --4 1 05 Jaervamaa -----1 0 1 07 Laeaene-Virumaa 0 1 1 -----1 08 Polvamaa 2 2 5 ---1 10 1 -4 5 ---------09 Paernumaa 1 1 --1 0 ---10 Raplamaa 1 1 0 1 -11 Saaremaa -_ 2 2 --2 0 12 Tartumaa 0 1 1 ----1 13 Valgamaa 0 1 ------1 1 14 Viljandimaa 2 ----2 0 2 2 з 15 Vorumaa 0 ---1 3 TOTAL 5 1 5 0 0 0 11 12 2 0 0 2 16 0 27 PER CENT 18.5 7.4 0.0 0.0 7.4 59.3 100.0 3.7 18.5 0.0 0.0 0.0 40.7 44.4 0.0 LTU LITHUANIA 47 Joniskio 0 ---1 --1 1 1 --1 53 Kedainiu 0 --54 Kelmes ---2 -1 3 --2 ---57 Kupiskio -2 1 ---3 0 з 65 Pakruoto --1 -1 --1 0 67 Pasvalio _ 1 ----1 0 1 81 Ukmerges 1 -----------1 1 2 ---------1 1 84 Sakiu ------1 0 1 -91 Staultu 1 0 ----1 1 94 Jurbarko ---1 ---1 1 0 -TOTAL 15 1 5 4 0 0 0 10 з 0 1 0 1 5 0 PER CENT 6.7 33.3 26.7 0.0 0.0 0.0 66.7 20.0 0.0 6.7 0.0 6.7 33.3 0.0 100.0

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LOCATION	1.0	ром	EST	IC A	NIM	ALS			WI	D A	ИІМ	ALS	1		
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	CASES	TOTAL
01 BUDAPEST	1	-	-	-	-	-	1	1	-	-	-	-	1		2
02 BARANYA	1	5	- 1	-		-	6	10		-	-	-	10		16
03 BACS-KISKUN	-	2	-	-	-	-	2	2	-	-	-	-	2		4
04 BEKES	-	1		-	-		1	3	-	-	-	-	3		4
05 BORSOD-ABAUJ-ZEMPLEN	з	4		-	-	-	7	20		-	-	-	20	1	27
06 CSONGRAD	2	2	-	-	-	-	4	4	-	-	-	-	4		E
07 FEJER	-	1	-	-		-	1	20		-	-		20		21
DB GYOER-SOPRON					1		0	2	-	-	-	-	2		2
09 HAJDU-BIHAR	2	2	2	-	- 1	-	6	5	-	-	-	-	5		11
10 HEVES	-	2	3	- 1	-	-	5	5	-	-	-	-	5		10
11 KOMAROM							0	12	-	-	-	-	12		12
12 NOGRAD	-	2	- 1	-		-	2	5	-	-	-	-	5		7
13 PEST					1 .		0	15	-	-	-	-	15		15
14 SOMOGY	1	2	-		-	-	Э	19		-	-		19		22
15 SZABOLCS-SZAT	-	з	1	-	-	-	4	4	-	-	-	-	4	1	6
16 SZOLNOK							0	2	-	-	-	-	2		2
17 TOLNA	-	4	1	-	-	-	5	10	-	-	-	1	11		16
18 VAS	-	1	-	-	-	-	1	2	-	-	-	-	2		3
19 VESZPREM	-	-	1	-	-	-	1	16	-	-	-	-	16		17
20 ZALA	1	-	-	-	-	-	1	6	-	-	-	-	6		7
TOTAL	11	31	8	0	0	0	50	163	0	0	0	1	164	0	214
NED CENT	1205		1.1.1.1.1	1.00	1.1	1.1						- 1		Ů	
PER CENT	5.1	14.5	3.7	0.0	0.0	0.0	23.4	76.2	0.0	0.0	0.0	0.5	76.6	0.0	io

LOCATION	DOMESTIC ANIMALS WILD ANIMALS														
CODE NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL	HUMAN	TOTAL
01 WARSZAWA	-	1	-	-	-	-	1	2	-	1	-	-	з		4
05 BIALYSTOK	-		1	-	-	-	1	3	-		_	-	3		4
9 BYDGOSZCZ	1	1	3	-	-	-	5	16	-	-	-	2	18		23
13 CIECHANOW	-	-					0	5	-	-	-	-	5		5
15 CZESTOCHOWA	-	1	-	-	2	-	з	5	-	-	-	-	5		8
17 ELBLAG	-	3	2	-	1	-	5	11	-	1	-	3	15		20
19 GDANSK	-	_	1	-	-	-	1	6	1	2	-	2	11		12
21 GORZOW			-				ō	1		-	-	-	1		1
23 JELENIA GORA	-	-	з	-	-	-	3	2	-	-	-	-	2	1	5
25 KALISZ	-	з	_	-	-	-	3	6	-	2	1	-	9		12
27 KATOWICE							0	1	-	-	<u> </u>	_	1		1
29 KIELCE	-	5	-	-	-	-	5	14	-	1	-	-	15		20
31 KONIN	1	-	_	-	-	-	1	12		1	_	-	13	1	14
33 KOSZALIN	7	7	1	-	-	-	15	11	-	2	1	3	17		32
37 KROSNO			-	-		-	0	5	-	1	-	-	6	1	6
41 LESZNO	1	-	-	-	-	-	1	12	-	2	-	-	14		15
43 LUBLIN	-				-	-	0	12	1 2	-			14	1	
47 LODZ	-	з	-	-	-	-	з	1	-	_	_		1		1 4
51 OLSZTYN	-	1	4	1	_	-	6	9	-	2	_	2	13	1	19
53 OPOLE	_	1	-	1	-	-	1	11	_	-	_	-	11		19
55 OSTROLEKA	-		-	-	-	-	0	11	1 2		-	1 2	1. 124 KO (21)		
57 PILA					1		0	-	-	_	1	_	1		1
59 PIOTRKOW TRYB					1		0	16	-	2	1	1	20	1	20
61 PLOCK	-	1	-	-	-	-	1	3	_	-	-	-	- 20		4
63 POZNAN	1	<u> </u>	-		-	-	1	13		4	1	2	20	1	21
65 PRZEMYSL	1	_	2		_	-	2	15		-	-	-	0	1	2
67 RADOM	з	_	-	_		_	3	8	-	1		_	9		
69 RZESZOW	-	1	_	_	1 2	1 2	1	8	2	-		_	8		12
71 SIEDLCE	1	1	1	_	1 -	_	3	3	_		_	_	3		6
73 SIERADZ	· ·	1	-	-	-	-	0	2	-	_	_	1 2	2	1	2
75 SKIERNIEWICE	1	_	-	-	-	-	1	6	1 2		_	_	6		7
77 SLUPSK	2	2	_	_	_	_	4	4	-	5	1	1	11		15
79 SUWALKI	-	1	4	_	2		5	2		5	1	4	6		
B3 TARNOBRZEG	-	4	-	_	-	_	4	3	1 2		- E	4	3		11
B5 TARNOW	1	-	_	-	-	-	1	3	-	-	-	-	0		8.4
B7 TORUN	1 1	2	1	-	-	1 2	3	з	-	-	-	-	3	1	1
B9 WALBRZYCH	-	2	. .	-		_	0	2	-	_		_	2	1	6
91 WLOCLAWEK	-	1	з	_	_	_	4	7	1 2	-	- 2	1 2	7		11
93 WROCLAW	_	2	-	_		1 -	2	6	_	_		_	6		
95 ZAMOSC	1	1	_	_	-	_	2	6	_	1	-	2	9		8
	-							5		*			3		11
TOTAL	20	42	26	1	2	0	91	227	1	28	6	22	284	0	375
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CODE NAME DOG CAT CATTLE HORSE SHEEP BOAT TOTAL FOX BADGER OTHER DEER OTHERS TOTAL CASES TOTAL 01 AUDOVSCINA 0 1	LOCATION		ром	EST		NIM	ALS			WII	A D	NIM	ALS			
02 BREZICE 0 1 - - - 1 1 05 CRNOMELJ 0 1 - - - - 1 06 DOMZALE 0 19 - - - - 19 09 GROSUMPLUE 0 19 - - - - 1 12 ILTRSKA BISTRICA - 1 - - - 1 - 1 - 1 - 1 - - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 1 1 1 1 - - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CODE NAME	DOG	CAT	CATTLE	HORSE		OTHERS	TOTAL	FOX	BADGER		DEER	OTHERS	TOTAL	CASES	TOTAL
02 BREZICE 0 1 - - - - 1 05 CRNOMELJ 0 15 - - - - 15 05 GROSUPLJE 0 15 - - - - 16 12 TLIRSKA BISTRICA 1 - - - - - 16 13 TZOLA - 1 - - - - 16 13 TZOLA - 1 - - - - 16 15 KANPIK - 1 - - - - 17 15 KOCEVJE - 1 - - - - 38 15 KORSKO - - - - 1 - - 1 - 20 LASKO - - - 1 - - 1 - 1 - 1 - 22 21 1 - - 1 -	01 AJDOVSCINA							0	1	-	-	-	-	1		
D0B DOMZALE 00 10 0 10 0 10 - - - 10 12 ILIRSKA BISTRICA 0 1 - - - 5 1 12 ILIRSKA BISTRICA 0 1 - - - - 5 13 IZOLA 0 1 - - - - 1 13 IZOLA 0 1 - - - - 1 15 KAMNIK - 1 - - - - - 1 16 KOCEVJE 0 8 - - - - 8 17 KOPER - 0 8 - - - - 8 12 LJUDJANA CENTAR - 2 - - - 2 21 1 - - - 1 28 LJUTOMER - - - 1 5 - - - 1 - - 1 3 29 LJUTOMER - - - <t< td=""><td>02 BREZICE</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>1</td><td>-</td><td>-</td><td>-</td><td>- 1</td><td></td><td></td><td></td></t<>	02 BREZICE							0	1	-	-	-	- 1			
D00 DDMZALE 00 19 - - - - 10 12 ILIRSKA BISTRICA 0 1 - - - 15 13 IZOLA 0 1 - - - - 15 13 IZOLA 0 1 - - - - 15 15 KAMNIK - 1 - - - - - 15 16 KOREVJE - 1 - - - - - - 16 16 KOREVJE - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - - 1 - - - - 1	05 CRNOMELJ							220	1.550	-	-	-	- 1			
D29 GROSUPLUE - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 1 - - - - - 1 1 1 - - - 1 1 1 - - - 1 1 1 - - 1 1 1 - - 1 1 1 1 - - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td< td=""><td>06 DOMZALE</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>19</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td>1</td></td<>	06 DOMZALE	1						0	19	-	-	-	-	-		1
12 11.TIRISKA BISTRICA - - - - - - - - - - - 1 13 TZOLA - 1 - - - - - - - - - - 1 1 15 KAMNIK - 1 - - - - - - - - 1 1 - - - - - 1 1 - - - - - 1 1 - - - - - - - - 1 1 - - - - - 3 1 - - - - 1 1 - - - - 1 1 - - - 1 1 1 - - - 1 1 - - - 1 1 1 1 - - 1 1 1 1 1 1 1 1	09 GROSUPLJE							0		-	-	-	-			
13 IZOLA - - - - - - - - - 1 1 - - - 1 1 - - - 1 3 - - - - 3 1 1 1 1 1 - - - 3 1 1 - - - 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td></td>								-		-	-	-				
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16 KOCEVJE - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - 1 - - - 1 - - - 1 - - - 1 - - - 1 - - - 1 - - 1 - - - 1 - - - 1 - - - 1<			1	-	-		-			-	-					
17 KOPER 0 8 - - - - 8 19 KRSKO 0 3 - - - - - 3 23 LITIJA - 2 - - - - - - - - 1 23 LITIJA - 2 21 1 - - - 1 - 22 25 LUJULANA CENTAR - 2 2 1 - - - 1 - - 22 1 - - - 1 - 22 21 1 - - 22 21 1 - - 22 21 1 - - 22 23 3 3 - - 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			-							_	-					
19 KRSKO 0 3 - - - - - 3 20 LASKO 0 1 - - - - 1 - - - 1 - - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 1 - 1 1 1 - 1 1 1 - - 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <						1				_			1			
20 LASKO - - 2 - - - - - - - - 1 - - - 1 - - 1 - - 1 - - 1 - - 22 1 1 - - - 22 1 1 - - - 22 1 1 - - - 22 1 1 - - - 1 1 - - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 1 - - 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1												
23 LITIJA - 2 - - - 2 21 1 - - 22 25 LJUBLJANA CENTAR 29 - - - 0 8 - - 1 - 9 26 LJUDNMER 0 1 - - - 1 - 9 30 LOGATEC 0 1 - - - 1 5 - - - 1 30 LOGATEC 0 1 - - - 1 5 - - - 1 30 KOGORICA 1 - - - - - - - 1 36 NOVO MESTO 0 1 - - - - 10 1 - - 10 39 ORMOZ - - 2 1 - - - 3 22 - - - 22 42 PTUJ - 2 1 - - - 1 - - 1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td></td<>														-		
25 LUUBLJANA CENTAR - - 1 - 9 19 LUUTOMER 0 1 - - - 1 - 9 10 LOGATEC 0 1 - - - 1 - 1 - 1 - 1 - 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 - - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2			-										
29 LJUTOMER 0 1 - - - 1 30 LOGATEC 0 1 - - - 1 30 LOGATEC 0 1 - - - 1 30 LOGATEC 0 1 - - - 1 37 NOVA GORICA 1 - - - 1 - - 5 38 NOVO MESTO 0 1 - - - - 10 39 ORMOZ 0 1 - - - - 10 10 PTAN 0 2 - - - 22 12 PTUJ - 2 1 - - 3 22 - - - 22 14 RIBNICA 0 1 - - - 1 1 - 22 15 SIGNEVASKA BISTRICA 0 1 - - 1 1 - -		-	~	-	-		-							in the second		1
30 LOGATEC 1 - - - - - - - - 1 - - - 1 - - - 1 - - - 1 - - - - 5 30 NOVA GORICA 30 30 NOVA GORICA 0 1 - - - - 5 - - - - 5 30 NOVA GORICA 0 1 - 1 - - - 50 30 NOVA MESTO 0 1 - - - 10 0 1 - - - 100 1 - - - 100 100 - - - 100 100 - - - 100 100 - - 100 100 - - 100 100 - 100 100 - 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100																
366 MURSKA SOBOTA 1 - - - 1 5 - - - 5 377 NOVA GORICA 0 1 - 1 - - 2 389 NOVO MESTO 0 10 - - - 10 390 ORMOZ 0 10 - - - 10 40 PIRAN - - 2 1 - - - 1 40 PIRAN - - 2 1 - - - 22 42 PTUJ - 2 1 - - - 22 45 RIBNICA - 0 1 - - - 1 46 RIBNICA 0 1 - - 1 - 7 22 47 SEVNICA 0 1 - - 1 - 7 22 - 1 - 7 5 5 5 5 5																1
37 NOVA GORICA - - - - - - - - - - - - - 10 38 NOVO MESTO 0 10 - - - - 10 - - - 10 39 ORMOZ 0 1 - - - - - 10 40 PIRAN - - 2 1 - - - 1 - - 10 40 PIRAN - - 2 1 - - - 1 - - 1 - - 10 42 PTUJ - - 2 1 - - - 22 - - - 22 - - - 14 - - 14 4 4 5 5 5 10 1 - - 14 - 14 - 14 - 14 14 14 14 14 14 14 14 14 14 15									1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	-						
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39 ORMOZ - 2 1 - - - - - 1 40 PIRAN - 2 1 - - - 3 22 - - - 22 42 PTUJ - 2 1 - - - 3 22 - - - 22 45 RIBNICA 0 1 - - - - 1 - - 22 46 RIBNICA 0 1 - - - 1 - - 1 4 47 SEVNICA 0 1 - - - 1 4 4 1 - - 1 1 - - 1 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>1</td><td>-</td><td>- 1</td><td></td><td></td><td></td></t<>										-	1	-	- 1			
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46 RIBNICA 0 1 - - - 1 47 SEVNICA 0 1 - - - 1 47 SEVNICA 0 1 - - - 1 48 SEZANA 0 2 - - - 1 50 SLOVENSKA BISTRICA 0 6 - - - 2 51 SLOVENSKE KONJICE 0 6 - - - 2 52 SENTJUR PRI CELJU 0 5 - - - 1 53 SKOFJA LOKA 0 1 - - - 1 54 SMARJE PRI JELSAH 0 7 - 2 - - 4 55 TOLMIN 0 4 - - - 4 50 VRHNIKA 0 1 - - - 1							1	10 A A A A A A A A A A A A A A A A A A A		-	-	-	-	2		1.1.1
47 SEVNICA 0 1 - - - 1 48 SEZANA 0 2 - - - 2 50 SLOVENSKA BISTRICA 0 6 - - 1 - 7 51 SLOVENSKE KONJICE 0 6 - - 1 - 7 52 SENTJUR PRI CELJU 0 5 - - - 2 53 SKOFJA LOKA 0 1 - - 1 5 53 SKOFJA LOKA 0 1 - - 1 5 53 SKOFJA LOKA 0 1 - - 9 5 54 SMARJE PRI JELSAH 0 7 - 2 - - 9 55 TOLMIN 0 4 - - - 4 50 VRHNIKA 0 - 1 - - 1		-	2	1	-	-		3	55	-	-	-	-	55		1 2
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32 SENTJUA PRI CELJU 0 5 - - - 5 33 SKOFJA LOKA 0 1 - - - 1 34 SMARJE PRI JELSAH 0 7 - 2 - - 9 55 TOLMIN 0 4 - - - 4 57 TREBNJE 0 1 - - 4 50 VRHNIKA 0 - 1 - - 1	O SLOVENSKA BISTRICA	1						0	6	-	-	1	-	7		
33 SKOFJA LOKA 0 1 - - - 1 54 SMARJE PRI JELSAH 0 7 - 2 - - 9 55 TOLMIN 0 4 - - - 4 57 TREBNJE 0 1 - - 4 50 VRHNIKA 0 - 1 - - 1	1 SLOVENSKE KONJICE							0	2	-	-	-	-	2		
53 SKOFJA LOKA 0 1 - - - 1 54 SMARJE PRI JELSAH 0 7 - 2 - - 9 55 TOLMIN 0 4 - - - 4 57 TREBNJE 0 1 - - 4 50 VRHNIKA 0 - 1 - - 1	52 SENTJUR PRI CELJU							0	5	-	-	-	-	5		
54 SMARJE PRI JELSAH 0 7 - 2 - - 9 55 TOLMIN 0 4 - - - 4 57 TREBNJE 0 1 - - - 4 50 VRHNIKA 0 - 1 - - 1	53 SKOFJA LOKA				1.1			0	1	-	-	-	- 1			
35 TOLMIN 0 4 - - - 4 37 TREBNJE 0 1 - - - 1 30 VRHNIKA 0 - 1 - - 1	54 SMARJE PRI JELSAH	1						0		-	2	-	-			
7 TREBNJE 0 1 1 - 1 0 YRHNIKA	5 TOLMIN							0	-	-		-	-	-		
0 VRHNIKA 0 - 1 1	7 TREBNJE								1.1	-	-	-				
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TOTAL 1 5 1 0 0 0 7 152 2 3 2 0 159 0									-					-		-
	PER CENT	0.6	3.0	0.6	0.0	0.0	0.0	4.2	91.6	1.2	1.8	1.2	0.0	95.8	0.0	100

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