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HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Safety of the Food chain
Food Hygiene, Alert System and Training

Report on the monitoring and testing of ruminants for the presence of transmissible spongiform encephalopathy (TSE) in the EU in 2008

TABLE OF CONTENTS

1. SUMMARY.....	4
2. MONITORING PROGRAMMES, SAMPLING AND DIAGNOSTIC METHODS APPLICABLE IN 2008.....	5
2.1. Legal basis.....	5
2.2. BSE monitoring of bovine animals.....	5
2.3. TSE monitoring of ovine and caprine animals.....	6
2.4. TSE monitoring in other animal species.....	7
2.5. Sampling and testing for TSE monitoring.....	7
2.6. Sampling and testing for the prion protein genotype determination in ovine animals.....	7
3. ANNUAL AND MONTHLY REPORTS.....	9
4. SUMMARY OF THE BSE TESTING IN BOVINE ANIMALS DURING 2008.....	13
4.1. Sampling.....	13
4.2. BSE positive cases.....	17
4.3. Testing by target group.....	26
4.4. Age distribution of BSE positive cases.....	35
4.5. Year of birth distribution of BSE positive cases detected since 2001.....	45
4.6. Prevalence of BSE in different age categories.....	48
4.7. BSE in young animals.....	61
5. SUMMARY OF TSE TESTING IN OVINE AND CAPRINE ANIMALS DURING 2008.....	67
5.1. Sampling.....	67
5.2. Positive cases.....	71
5.3. Atypical cases.....	83
5.4. TSE discriminatory tests.....	88
5.5. Age distribution of TSE positive cases in ovine animals.....	89
5.6. Genotyping.....	93
6. SUMMARY OF TSE TESTING IN OTHER SPECIES DURING 2008.....	101

LIST OF ACRONYMS

AM :	Ante-mortem inspection
BSE :	Bovine spongiform encephalopathy
CWD:	Chronic wasting disease
DNA :	Deoxyribonucleic acid
EU 15 :	The 15 countries that were members of the European Union before 1 May 2004
EU 15(-UK) :	The EU 15 except the United Kingdom
EU 12	The 12 countries that joined the European Union since 1 May 2004
EU 27 :	EU 15 + EU 12
EU 27(-UK) :	The EU 27 except the United Kingdom
EU 27(-CY)	The EU 27 except Cyprus
Na:	not available
NSP :	National scrapie plan
OTM :	Over thirty months
TSE:	Transmissible spongiform encephalopathy
TSE Regulation:	Regulation (EC) No 999/2001

1. SUMMARY

In 2008, a total of 10 051 584 bovine, 465 276 ovine and 152 037 caprine animals were tested in the EU 27 in the framework of the TSE monitoring programmes. 125 bovine, 1 936 ovine and 1 214 caprine animals turned out positive.

1 557 871 risk bovine animals and 8 490 256 healthy animals slaughtered for human consumption were tested by rapid tests. 2 352 bovine animals were tested in the framework of passive surveillance (animals reported as official BSE suspects. In addition, 1 105 animals were tested in the framework of culling of animals with an epidemiological connection to a BSE case. 93 % of positive cases were detected by the active monitoring (testing of risk animals, healthy slaughtered and culled cattle) and 7 % were detected by passive surveillance.

No BSE cases were found in Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, Greece, Hungary, Latvia, Lithuania, Luxembourg, Malta, Romania, Slovenia and Sweden. The number of BSE cases and the overall prevalence in tested animals decreased by respectively 29 % and 25 % in 2008 compared to 2007.

463 201 ovine animals were tested by active monitoring, while 2 075 were animals reported as official TSE suspects and therefore subjected to laboratory examination. In caprine animals, the numbers of tests in the respective groups were 150 566 (active monitoring) and 1 471 (TSE suspects). Some 743 and 63 TSE cases in respectively sheep and goats confirmed in 2008 were subjected to discriminatory testing. None of them have been confirmed to be BSE.

In addition, in the framework of a survey for chronic wasting disease (CWD) in cervids, as required in Commission Decision 2007/182/EC, 12 025 animals were tested between 2006 and 2008 hunting seasons. None of them turned out positive.

All Member States submitted information on the TSE testing of bovine, ovine and caprine animals. In addition to the Member States, Norway also submitted information on their TSE testing programmes.

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2. MONITORING PROGRAMMES, SAMPLING AND DIAGNOSTIC METHODS APPLICABLE IN 2008

2.1. Legal basis

Animals suspected of a TSE shall be examined in accordance with Article 12.2 of Regulation (EC) No 999/2001 of the European Parliament and of the Council laying down rules for the prevention, control and eradication of certain transmissible spongiform encephalopathies as amended (TSE Regulation). The legal framework for the active monitoring of ruminants for the presence of TSE is laid down in Article 6 of TSE Regulation and specified in its Annex III Chapter A. Special testing rules are laid down in Annex III for bovine animals born in United-Kingdom before 1 August 1996 and killed for destruction pursuant to of Regulation (CE) No 716/96.

The legal basis for the sample collection and for the test methods is laid down in Chapter C of Annex X to TSE Regulation. From 2005, Annex X (as amended by Commission Regulation (EC) No 36/2005) also provides for mandatory discriminatory testing for BSE of TSE cases detected in small ruminants.

The legal basis for the testing for the determination of the prion protein genotypes is laid down in points 8.1 and 8.2 of Chapter A in Annex III to TSE Regulation.

The legal basis for the survey to detect CWD in cervids is laid down in Commission Decision 2007/182/EC of 19 March 2007 as amended by Commission Decision 2008/661/EC of 1 August 2008.

The EU legislation on TSE monitoring is summarised in Table 1.

2.2. BSE monitoring of bovine animals

The monitoring of bovine animals for the presence of BSE is divided into the following target groups:

(1) Fallen Stock

Bovine animals which have died or have been killed on the farm or in transport, but not slaughtered for human consumption nor killed in the framework of an epidemic. Member States may decide to derogate from this provision in remote areas with a low animal density, where no collection of dead animals is organised. The derogation shall not cover more than 10% of the bovine population in the Member State.

(2) Emergency slaughtered animals

Bovine animals subject to "special emergency slaughtering" as described in relevant Community legislation.

(3) Animals with clinical signs at AM

Bovine animals sent for normal slaughter but the slaughter of which was deferred because they were:

- (a) suspected of suffering from a disease which is communicable to humans and to animals or showing symptoms or being in a general condition such as to indicate that such a disease may occur.
- (b) showing symptoms of a disease or of a disorder of their general conditions which is likely to make their meat unfit for human consumption.

(4) Healthy slaughtered animals

Bovine animals subject to normal slaughter for human consumption and animals without clinical signs of disease slaughtered in the context of a disease eradication campaign other than BSE.

(5) Animals culled under BSE eradication

Birth cohorts (bovine animals born in a herd within 1 year before or after the birth of a BSE case), rearing cohorts (bovine animals reared together with a BSE case during the first year of their life), offspring and any other bovine animals killed because of an epidemiological link to a BSE case.

(6) Animals clinically suspected of being infected by BSE

Bovine animals reported as suspect of TSE as defined in Article 3 of the TSE Regulation and subject to the measures described in Articles 12 and 13.

2.3. TSE monitoring of ovine and caprine animals

The testing of ovine and caprine animals for the presence of TSE is divided into the following target groups:

(7) Healthy animals which are slaughtered for human consumption

Member States with major ovine population shall test an annual minimum sample size of healthy slaughtered animals over 18 months of age.

Where a Member State experiences difficulty in collecting sufficient numbers of healthy slaughtered animals to reach its allotted minimum sample size, it may choose to replace a maximum of 50% of its minimum sample size by testing dead animals at the ratio of one to one and in addition to the minimum sample size set out for dead animals.

(8) Animals which are not slaughtered for human consumption

This target group contains almost exclusively fallen stock, with a few emergency slaughtered animals and animals with clinical signs at AM which have died or been killed, but which were not killed in the framework of an epidemic or slaughtered for human consumption. There are minimum samples sizes of both ovine and caprine animals over 18 months of age.

(9) Animals culled under TSE eradication

Including animals additionally tested on infected herds before culling measures were applied.

(10) Animals clinically suspected of being infected by a TSE

Ovine and caprine animals reported as suspect of TSE as defined in Article 3 of the TSE Regulation and subject to the measures described in Articles 12 and 13.

2.4. TSE monitoring in other animal species

Commission Decision 2007/182/EC of 19 March 2007 as amended provides for a survey to detect chronic wasting disease (CWD) in cervids to be completed no later than the end of the hunting season of 2008. The survey includes different target species and target groups.

The provision on examination of any case of TSE suspicions in Article 12 of the TSE Regulation applies to all animal species. Active monitoring in species other than bovine, ovine, caprine and cervid animals is voluntary and without further specifications.

2.5. Sampling and testing for TSE monitoring

Samples collected in the context of TSE active monitoring are screened by one of the rapid tests listed in Annex X to the TSE Regulation. Confirmation tests from inconclusive or positive results in the active monitoring and analysis of samples from suspects are performed by histopathology or, if appropriate, by immunocytochemistry, immunoblotting or by demonstration of characteristic fibrils by electron microscopy.

Further discrimination between BSE and scrapie has become mandatory from January 2005 on by Commission Regulation (EC) No 36/2005. To this purpose the discriminatory immunoblottings, immunocytochemistry and enzyme linked immunosorbent assay were laid down in Chapter C point 3.2.(c) of Annex X to TSE Regulation. In addition the mouse bio-assay method has to be applied to certain samples for final confirmation or exclusion of BSE.

2.6. Sampling and testing for the prion protein genotype determination in ovine animals

The prion protein genotype shall be determined for:

- (1) All TSE positive ovine animals.
- (2) A random sample of ovine animals selected from animals over 18 months of age.

The alleles were defined by reference to the amino acids encoded by codons 136, 141, 154 and 171 of the prion protein gene. Routine methods for the collection of samples and DNA genotyping are used.

Table 1: Summary of the EU legislation on TSE monitoring in 2008

	EU 27 (-UK)	UK
Legal provisions	Regulation (EC) No 999/2001 as amended Commission Decision 2007/182/EC as amended	Regulation (EC) No 999/2001 as amended Regulation (CE) No 716/96 as amended Commission Decision 2007/182/EC as amended
Bovine animals		
Special emergency slaughter	All > 24 months	
Clinical signs at AM	All > 24 months	
Fallen stock	All > 24 months	
Animals slaughtered for human consumption	All >30 months	All > 30 months (except those born before 1 August 1996)
BSE suspects	All	
Other		All animals born between 1 August 1995 and 1 August 1996 killed for destruction pursuant to Regulation (EC) No 716/96
Ovine and caprine animals		
Animals slaughtered for human consumption	Minimal annual sample size of animals over 18 months of age in MS with major populations	
Animals not slaughtered for human consumption	Minimal annual sample size of animals over 18 months of age depending on size of MS populations of ewes or goats	
Animals in infected flocks	Minimal sample size in animals over 12 months of age	
Cervids		
A minimum sample size for certain target groups in wild and farmed red deer (<i>Cervus elaphus</i>) and/or wild white-tailed deer (<i>Odocoileus virginianus</i>)		
Other than bovine, ovine and caprine animals and cervids: voluntary		

3. ANNUAL AND MONTHLY REPORTS

In accordance with Article 6.4 and as specified in Chapter B.I of Annex III to TSE Regulation Member States shall submit an annual report to the Commission on the monitoring programme performed and the outcome of it.

All this information has been electronically submitted by the Member States, and introduced and processed by the Commission in a database in order to summarise the information provided and to elaborate summary tables to be distributed within the Commission and to the Member States and Norway. The present report should be considered as a final update of the information received and as the Commission summary report for 2008 as requested by Article 6.4 of the TSE Regulation.

The target groups mentioned in this report were divided into the following categories:

(1) Bovine animals:

(a) Active Monitoring

- Fallen stock
- Emergency slaughter
- Animals with clinical signs at AM
- Healthy slaughtered animals
- Animals culled in connection to a BSE case.

Fallen stock, emergency slaughtered animals and animals with clinical signs at ante-mortem inspection are considered as "**risk animals**".

(b) Passive surveillance

Animals reported as official BSE suspects by the farmer or the veterinary practitioner and subject to laboratory examination.

The age limits used in testing different target groups of bovine animals are summarised in Table 2.

(2) Ovine and caprine animals

(a) Active Monitoring

- Animals not slaughtered for human consumption: risk animals containing almost exclusively fallen stock with a few tests in emergency slaughtered animals and animals with clinical signs at AM.
- Healthy animals slaughtered for human consumption

- Animals culled in a herd where an animal has been declared TSE positive including animals additionally tested on infected herds before culling measures were applied.

(b) Passive Surveillance

- Animals reported as official TSE suspects by the farmer or the veterinary practitioner and subject to laboratory examination.

Table 2: Age limits used in sampling of bovine animals

	Age limit					
	Fallen Stock	Emergency slaughtered	Clinical signs at AM	Healthy slaughtered	BSE eradication	BSE suspects
Belgique/België	> 24 months		> 12	> 30 months	> 24	No age limit
Bulgaria	> 24 months			> 30 months	No age limit	No age limit
Ceská Republika	> 24 months			> 30 months	No age limit	No age limit
Danmark	> 24 months			> 30 months	> 24	No age limit
Deutschland	Compulsory testing > 24 months, voluntary testing < 24				No age limit	No age limit
Eesti	> 24 months			> 30 months	No age limit	No age limit
Ellas	> 24 months		No age limit	> 30 months	No age limit	No age limit
España	> 24 months				No age limit	No age limit
France	> 24 months			> 30 months	> 24	No age limit
Ireland	> 24 months			> 30 months	> 30	No age limit
Italia	> 24 months			> 30 months	> 30	No age limit
Kypros	> 24 months			> 30 months	No age limit	No age limit
Latvija	> 24 months			> 30 months	No age limit	No age limit
Lietuva	> 24 months			> 30 months	No age limit	No age limit
Luxembourg	> 24 months			> 30 months	> 24	No age limit
Magyarország	> 24 months			> 30 months	No age limit	No age limit
Malta	> 24 months			> 30 months	No age limit	No age limit
Nederland	> 24 months			> 30 months	No age limit	No age limit
Österreich	> 24 months			> 30 months	No age limit	No age limit
Polska	> 24 months			> 30 months	No age limit	No age limit
Portugal	> 24 months			> 30 months	> 24	No age limit
Romania	> 24 months			> 30 months	No age limit	No age limit
Slovenija	> 24 months			> 30 months	No age limit	No age limit
Slovensko	> 24 months			> 30 months	No age limit	No age limit
Suomi/Finland	> 24 months			> 30 months	No age limit	No age limit
Sverige	> 24 months			> 30 months	No age limit	No age limit
United Kingdom	> 24 months			> 30 months	No age limit	No age limit
Norway	> 24 months			> 30 months	No age limit	No age limit

The names of the 27 Member States in 2008 are quoted in this report in their own language or by using the ISO code or the English name.

Name	ISO Code	English	Français	Deutsch
Belgique/België	BE	Belgium	Belgique	Belgien
Bългария	BG	Bulgaria	Bulgarie	Bulgarien
Česká Republika	CZ	Czech Republic	République tchèque	Tschechische Republik
Danmark	DK	Denmark	Danemark	Dänemark
Deutschland	DE	Germany	Allemagne	Deutschland
Eesti	EE	Estonia	Estonie	Estland
Ellas	EL	Greece	Grèce	Griechenland
España	ES	Spain	Espagne	Spanien
France	FR	France	France	Frankreich
Ireland	IE	Ireland	Irlande	Irland
Italia	IT	Italy	Italie	Italien
Kypros	CY	Cyprus	Chypre	Zypern
Latvija	LV	Latvia	Lettonie	Lettland
Lietuva	LT	Lithuania	Lituanie	Litauen
Luxembourg	LU	Luxembourg	Luxembourg	Luxemburg
Magyarország	HU	Hungary	Hongrie	Ungarn
Malta	MT	Malta	Malte	Malta
Nederland	NL	Netherlands	Pays-Bas	Niederlande
Österreich	AT	Austria	Autriche	Österreich
Polska	PL	Poland	Pologne	Polen
Portugal	PT	Portugal	Portugal	Portugal
România	RO	Romania	Roumanie	Rumänien
Slovenija	SI	Slovenia	Slovénie	Slowenien
Slovensko	SK	Slovakia	Slovaquie	Slovakei
Suomi/Finland	FI	Finland	Finlande	Finnland
Sverige	SV	Sweden	Suède	Schweden
United Kingdom	UK	United Kingdom	Royaume-Uni	Vereinigtes Königreich

In addition, results of the monthly reports of Norway (NO) are included.

4. SUMMARY OF THE BSE TESTING IN BOVINE ANIMALS DURING 2008

The information was extracted directly from the electronic submission of monthly reports by Member States. The monthly information is often updated and/or corrected by the Member States in following reports. The information shown in the following summaries is updated according to the information received electronically until 29 October 2009. Information on adult cattle population in 2008 was obtained from Eurostat.

4.1. Sampling

Comments on the sampling

The monitoring programme carried out in 2008 was similar to the programme carried out in 2007. Over 80 million cattle have been tested in the EU since 2001. The percentage of tested risk animals and healthy slaughtered cattle compared to the adult population (Table B2) should be interpreted with caution as certain Member States were running monitoring programmes under different conditions (e.g. the United Kingdom), as additional voluntary testing of younger cattle occurred in certain Member States and as there may be a difference in risk animals, including fallen stock, per year in relation to the population because of different production systems.

Chart B1: Total tests performed in the period 2001-2008 in the EU

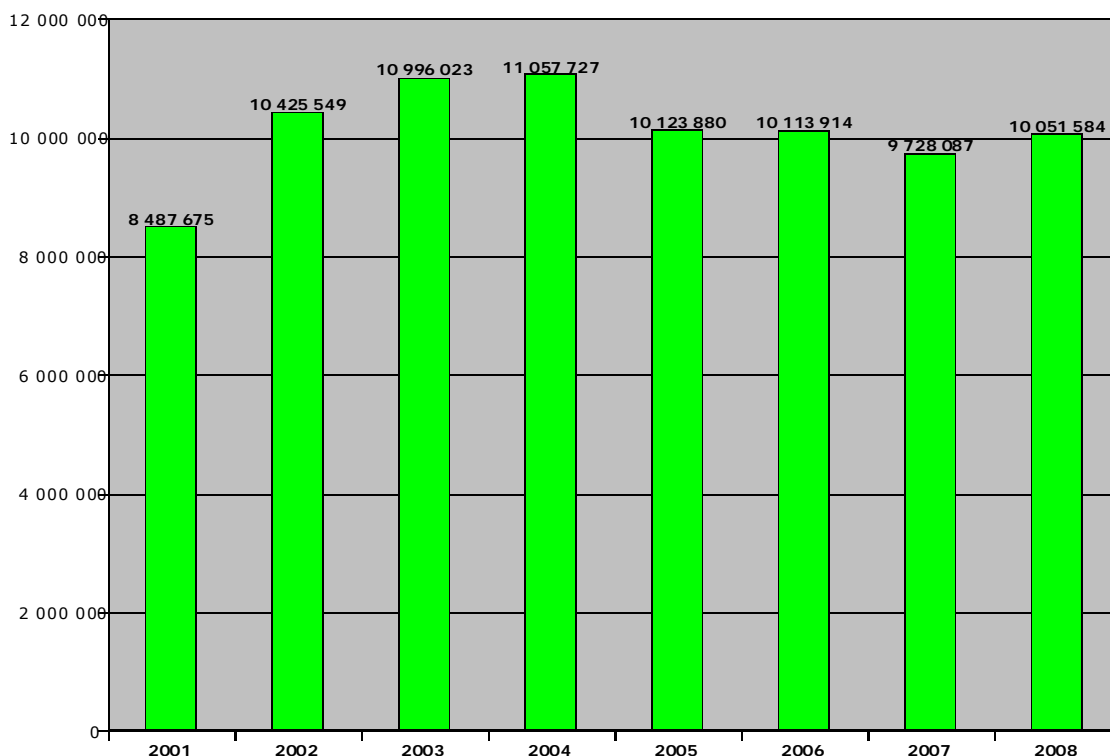


Table B1: Total tests performed in 2008 per Member State and target group

	Clinical signs at AM	Emergency slaughter	Eradication Measures	Fallen stock	Healthy slaughtered animals	Suspects subject to laboratory examination	Total
Belgique / Belgie	144	770	0	49 188	317 082	58	367 242
Bulgaria	0	2 876	0	1 724	12 129	771	17 500
Ceská Republika	99	10 290	25	30 672	116 305	1	157 392
Danmark	3	1 612	0	40 720	190 824	3	233 162
Deutschland	13	11 116	22	227 724	1 484 401	1 287	1 724 563
Eesti	134	401	0	6 764	26 314	0	33 613
Ellas	1	78	0	5 150	28 553	0	33 782
España	869	497	291	104 560	418 331	9	524 557
France	0	5 873	18	309 971	2 098 130	12	2 414 004
Ireland	2 191	0	197	98 189	687 200	94	787 871
Italia	27 495	7 438	0	66 595	576 786	5	678 319
Kypros	0	88	0	1 188	7 481	0	8 757
Latvija	68	340	0	2 385	44 806	1	47 600
Lietuva	174	2 073	0	5 658	85 568	0	93 473
Luxembourg	1	5	0	3 279	10 566	7	13 858
Magyarország	8	1 444	0	13 664	70 918	10	86 044
Malta	0	63	0	52	2 308	0	2 423
Nederland	0	4 922	7	65 160	406 263	9	476 361
Österreich	329	1 992	0	18 434	203 716	4	224 475
Polska	19	8 758	7	46 190	556 583	9	611 566
Portugal	6 288	1 748	106	34 084	55 844	9	98 079
Romania	195	793	0	2 280	127 947	2	131 217
Slovenija	638	236	0	8 841	21 387	12	31 114
Slovensko	11	745	1	13 299	41 144	0	55 200
Suomi/Finland	180	621	0	18 233	91 059	1	110 094
Sverige	0	169	0	20 814	160 964	5	181 952
United Kingdom	2 779	3 310	431	253 156	647 647	43	907 366
EU 27	41 639	68 258	1 105	1 447 974	8 490 256	2 352	10 051 584
Norway	16	8 351	0	2 305	8 451	901	20 024

Table B2: Active monitoring in relation to the adult population (> 2 years of age) in 2008

	Adult cattle pop. in 2008*	Risk Animals		Healthy	Slaughtered
		N° Tests	% tests/adult cattle	N° Tests	% tests/adult cattle
Belgique/België	1 354 000	50 102	3,70 %	317 082	23,42 %
Bulgaria	380 600	4 600	1,21 %	12 129	3,19 %
Ceská Republika	653 700	41 061	6,28 %	116 305	17,79 %
Danmark	756 000	42 335	5,60 %	190 824	25,24 %
Deutschland	5 894 500	238 853	4,05 %	1 484 401	25,18 %
Eesti	126 200	7 299	5,78 %	26 314	20,85 %
Ellas	355 000	5 229	1,47 %	28 553	8,04 %
España	3 311 000	105 926	3,20 %	418 331	12,63 %
France	10 428 000	315 844	3,03 %	2 098 130	20,12 %
Ireland	3 471 600	100 380	2,89 %	687 200	19,79 %
Italia	2 890 300	101 528	3,51 %	576 786	19,96 %
Kypros	25 300	1 276	5,04 %	7 481	29,57 %
Latvija	211 400	2 793	1,32 %	44 806	21,19 %
Lietuva	455 500	7 905	1,74 %	85 568	18,79 %
Luxembourg	98 200	3 285	3,35 %	10 566	10,76 %
Magyarország	365 000	15 116	4,14 %	70 918	19,43 %
Malta	9 200	115	1,25 %	2 308	25,09 %
Nederland	1 708 000	70 082	4,10 %	406 263	23,79 %
Österreich	933 400	20 755	2,22 %	203 716	21,83 %
Polska	3 152 800	54 967	1,74 %	556 583	17,65 %
Portugal	821 200	42 120	5,13 %	55 844	6,80 %
Romania	1 751 500	3 268	0,19 %	127 947	7,30 %
Slovenija	205 100	9 715	4,74 %	21 387	10,43 %
Slovensko	252 500	14 055	5,57 %	41 144	16,29 %
Suomi/Finland	377 300	19 034	5,04 %	91 059	24,13 %
Sverige	679 200	20 983	3,09 %	160 964	23,70 %
United Kingdom	4 827 000	259 245	5,37 %	647 647	13,42 %
Total EU 27	45 493 500	1 557 871	3,42 %	8 490 256	18,66 %
Norway	404 000	10 672	2,64 %	8 451	2,09 %
Total Others	404 000	10 672	2,64 %	8 451	2,09 %

*Eurostat June 2009

Table B3: Comparative active monitoring 2008 versus 2007

	Healthy Slaughtered			Risk Animals			Total active monitoring		
	2007	2008	Diff	2007	2008	Diff	2007	2008	Diff
Belgique/België	312 835	317 082	1,36 %	46 977	50 102	6,65 %	359 812	367 184	2,05 %
Bulgaria	14 210	12 129	-14,64 %	4 394	4 600	4,69 %	18 604	16 729	-10,08 %
Ceská Republika	98 191	116 305	18,45 %	62 065	41 061	-33,84 %	160 420	157 391	-1,89 %
Danmark	191 349	190 824	-0,27 %	41 269	42 335	2,58 %	232 621	233 159	0,23 %
Deutschland	1 418 367	1 484 401	4,66 %	231 326	238 853	3,25 %	1 649 752	1 723 276	4,46 %
Eesti	28 324	26 314	-7,10 %	6 992	7 299	4,39 %	35 316	33 613	-4,82 %
Ellas	26 097	28 553	9,41 %	4 349	5 229	20,23 %	30 446	33 782	10,96 %
España	376 113	418 331	11,22 %	90 429	105 926	17,14 %	466 805	524 548	12,37 %
France	2 097 137	2 098 130	0,05 %	259 084	315 844	21,91 %	2 356 241	2 413 992	2,45 %
Ireland	758 396	687 200	-9,39 %	87 780	100 380	14,35 %	846 290	787 777	-6,91 %
Italia	535 178	576 786	7,77 %	94 608	101 528	7,31 %	629 799	678 314	7,70 %
Kypros	6 743	7 481	10,94 %	1 218	1 276	4,76 %	7 961	8 757	10,00 %
Latvija	44 045	44 806	1,73 %	2 500	2 793	11,72 %	46 545	47 599	2,26 %
Lietuva	93 127	85 568	-8,12 %	8 087	7 905	-2,25 %	101 214	93 473	-7,65 %
Luxembourg	10 101	10 566	4,60 %	3 456	3 285	-4,95 %	13 557	13 851	2,17 %
Magyarország	69 551	70 918	1,97 %	15 595	15 116	-3,07 %	85 146	86 034	1,04 %
Malta	2 152	2 308	7,25 %	244	115	-52,87 %	2 396	2 423	1,13 %
Nederland	399 181	406 263	1,77 %	66 127	70 082	5,98 %	465 322	476 352	2,37 %
Österreich	199 492	203 716	2,12 %	19 760	20 755	5,04 %	219 252	224 471	2,38 %
Polska	546 302	556 583	1,88 %	57 414	54 967	-4,26 %	603 758	611 557	1,29 %
Portugal	56 807	55 844	-1,70 %	31 815	42 120	32,39 %	88 826	98 070	10,41 %
Romania	128 773	127 947	-0,64 %	3 915	3 268	-16,53 %	132 688	131 215	-1,11 %
Slovenija	21 954	21 387	-2,58 %	9 411	9 715	3,23 %	31 367	31 102	-0,84 %
Slovensko	46 851	41 144	-12,18 %	14 959	14 055	-6,04 %	61 888	55 200	-10,81 %
Suomi/Finland	100 133	91 059	-9,06 %	19 203	19 034	-0,88 %	119 336	110 093	-7,75 %
Sverige	172 664	160 964	-6,78 %	16 797	20 983	24,92 %	189 461	181 947	-3,97 %
United Kingdom	523 135	647 647	23,80 %	247 759	259 245	4,64 %	771 389	907 323	17,62 %
Total EU 27	8 277 208	8 490 256	2,57 %	1 447 533	1 557 871	7,62 %	9 726 212	10 049 232	3,32 %
Norway	9 995	8 451	-15,45 %	9 504	10 672	12,29 %	19 499	19 123	-1,93 %
Total Others	9 995	8 451	-15,45 %	9 504	10 672	12,29 %	19 499	19 123	-1,93 %

4.2. BSE positive cases

Comments on BSE positive cases

When analysing the evolution of BSE positive cases, it should be kept in mind that active monitoring was limited before 2001. The expanded active monitoring became fully applicable in July 2001. The annual number of tests was about 25 % higher in the period 2002-2008 than in 2001. However, the prevalence of BSE is reducing since 2002 due to the decline in positive cases despite the number of tests carried out increased or remained stable.

Overall the number of cases and the prevalence in tested animals (ratio of positives per 10 000 tests) of BSE dropped respectively by 29 % and 25 % in the EU in 2008 compared to 2007.

Evolution of the number of BSE positive cases in the EU since 2001

Chart B2: Evolution of the number of BSE positive cases in the EU since 2001

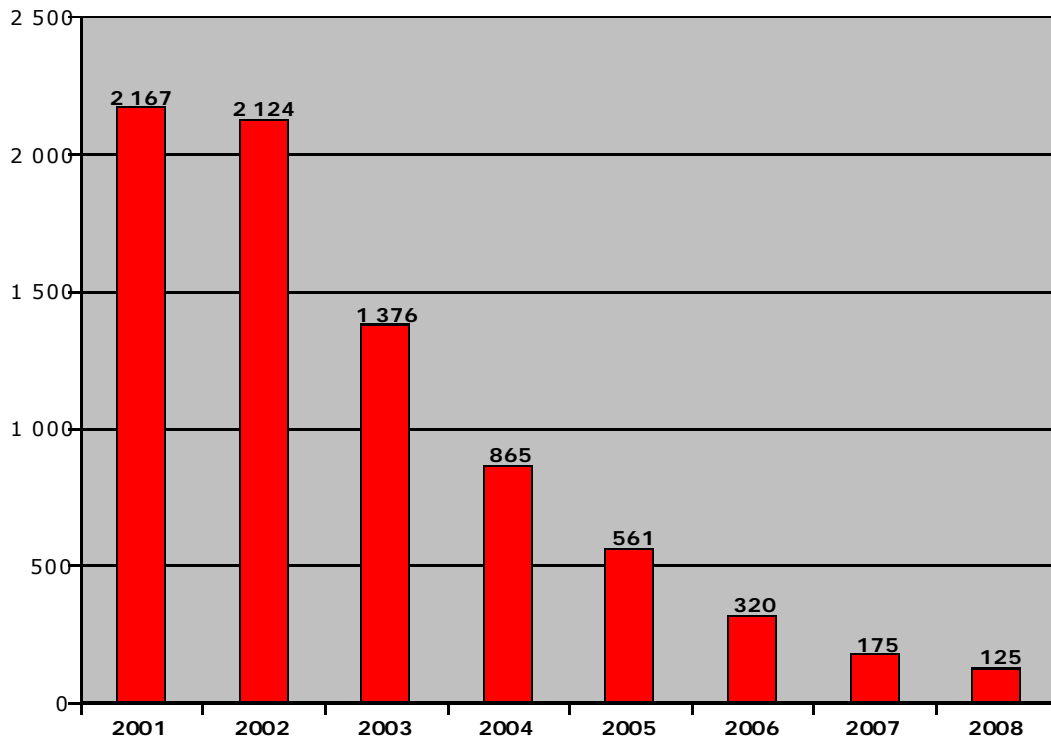


Chart B3: Evolution of the prevalence (ratio of BSE cases per 10 000 animals tested) of BSE positive cases in animals tested in the EU since 2001

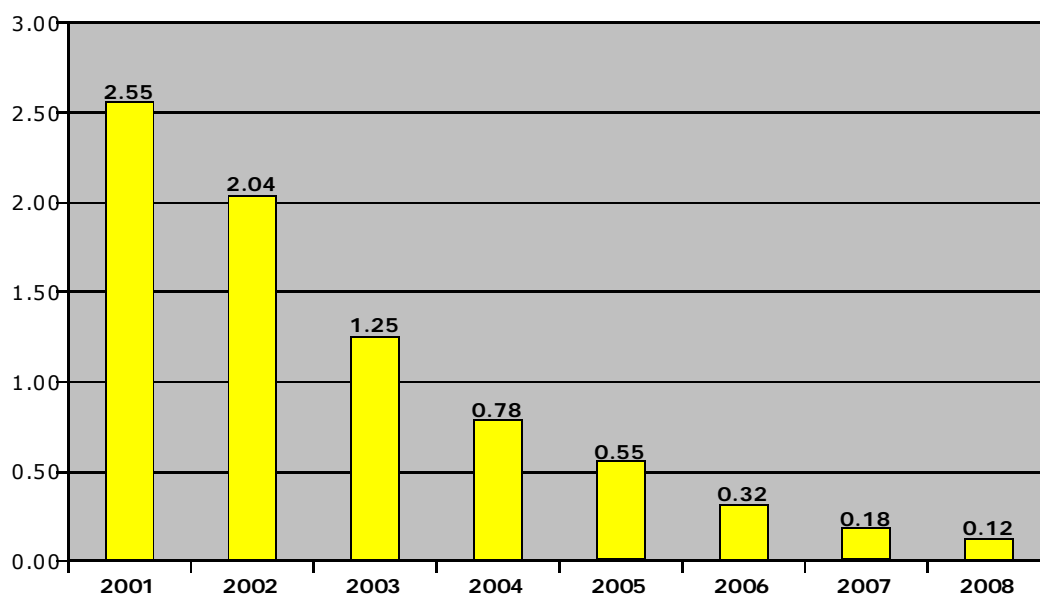


Table B4: Evolution of positive cases world-wide since BSE was recognised

EU	> 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total
Belgique/België	0	0	0	0	0	0	0	0	0	0	1	6	3	9	46	38	15	11	2	2	0	0	217
Ceská Republika	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	7	8	3	2	0	28
Danmark	0	0	0	0	0	1	0	0	0	0	0	0	0	1	6	3	2	1	1	0	0	0	24
Deutschland	0	0	0	0	0	1	0	3	0	0	2	0	0	7	125	106	54	65	32	16	4	2	648
Ellas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
España	0	0	0	0	0	0	0	0	0	0	0	0	0	2	83	134	173	138	103	68	40	25	983
France	0	0	0	0	5	0	1	4	3	12	6	18	31	162	277	240	138	54	31	8	8	8	1 523
Ireland	0	0	15	14	17	18	16	19	16	74	80	83	95	149	246	331	185	121	69	38	25	22	2 210
Italia	0	0	0	0	0	0	0	2	0	0	0	0	0	0	50	36	31	8	8	7	2	1	231
Luxembourg	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	4
Nederland	0	0	0	0	0	0	0	0	0	0	2	2	2	2	20	24	19	6	3	2	2	1	129
Österreich	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	2	1	0	7
Polska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	20	10	9	5	60
Portugal	0	0	0	1	1	1	3	12	15	31	30	127	159	150	113	86	133	91	51	33	14	18	1 268
Slovenija	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	0	8
Slovensko	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	3	0	2	1	15
Suomi/Finland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
Sverige	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total EU-UK	0	0	15	15	23	21	20	40	34	117	122	236	290	482	972	1 002	762	522	335	191	110	83	7 360
United Kingdom	442	2 514	7 228	14 407	25 359	37 301	35 090	24 436	14 562	8 149	4 393	3 235	2 301	1 441	1 198	1 125	614	343	226	129	65	42	186 923
Total UK	442	2 514	7 228	14 407	25 359	37 301	35 090	24 436	14 562	8 149	4 393	3 235	2 301	1 441	1 198	1 125	614	343	226	129	65	42	186 923
Rest of the world	> 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Total
Canada	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	5	3	4	16
Israel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	4	5	7	10	3	1	35
Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Switzerland	0	0	0	2	8	15	29	64	68	45	38	14	50	33	42	24	21	3	3	5	0	0	464
United States	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	3
Total world	0	0	0	2	8	15	30	64	68	45	38	16	50	33	45	27	27	9	12	21	6	5	521

Sources: < 1997: OIE; From 1997 Systematic notification of animal diseases by MS, completed by monthly reports of the UK and Portugal, and since 2001, of the other MS; websites of the competent authorities of MS and the OIE.

Notes: All imported cases: Denmark: 1992; Germany: 1992, 1994 and 1997; Italy: 1994; Portugal: from 1990 to 1993; Canada: 1993, U.S.: 2003; Including imported cases : Ireland : 5 in 1989, 1 in 1990, 2 in 1991 and 1992, 1 in 1994 and 1995; France : 1 in 1999; Portugal : 1 in 2000, 2002 and 2003; Italy: 1 in 2002

Chart B4: Evolution of BSE cases detected by passive surveillance and active monitoring in the UK

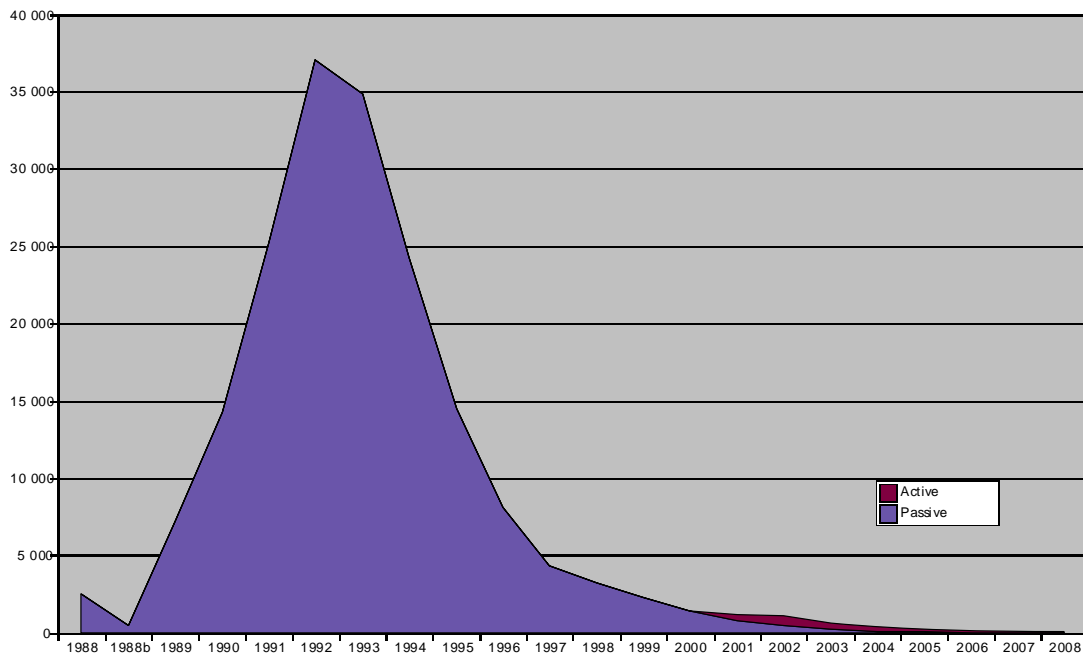


Chart B5: Evolution of BSE cases detected by passive surveillance and active monitoring in the rest of the EU

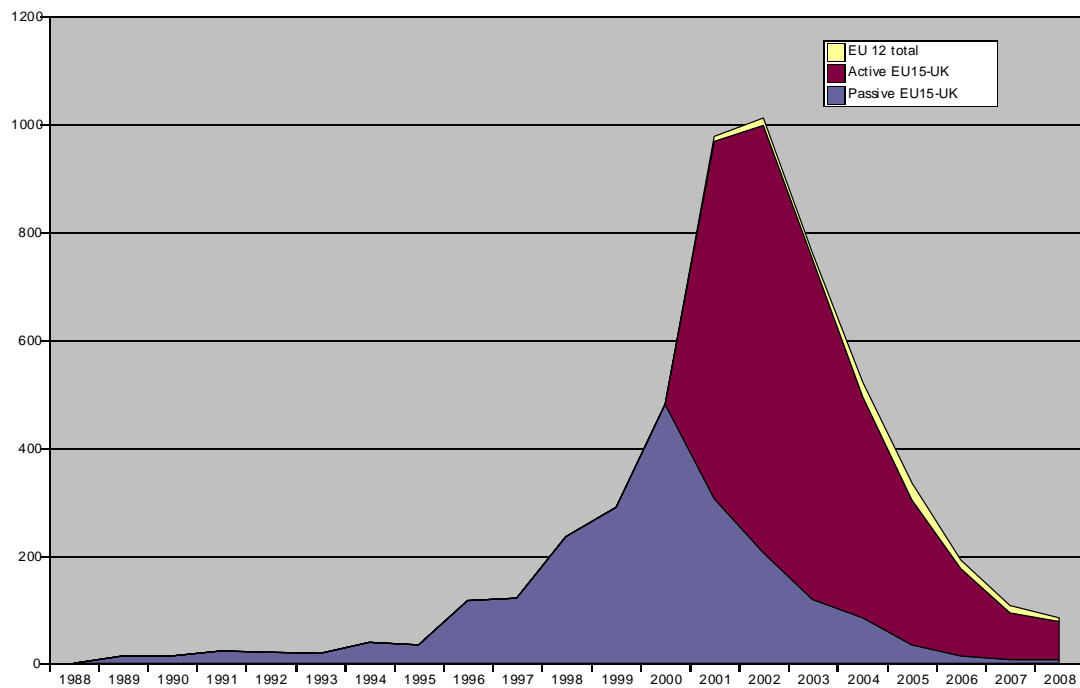


Table B5: Total positive cases per number of cattle tested or present in the adult population (> 24 months of age) in 2008

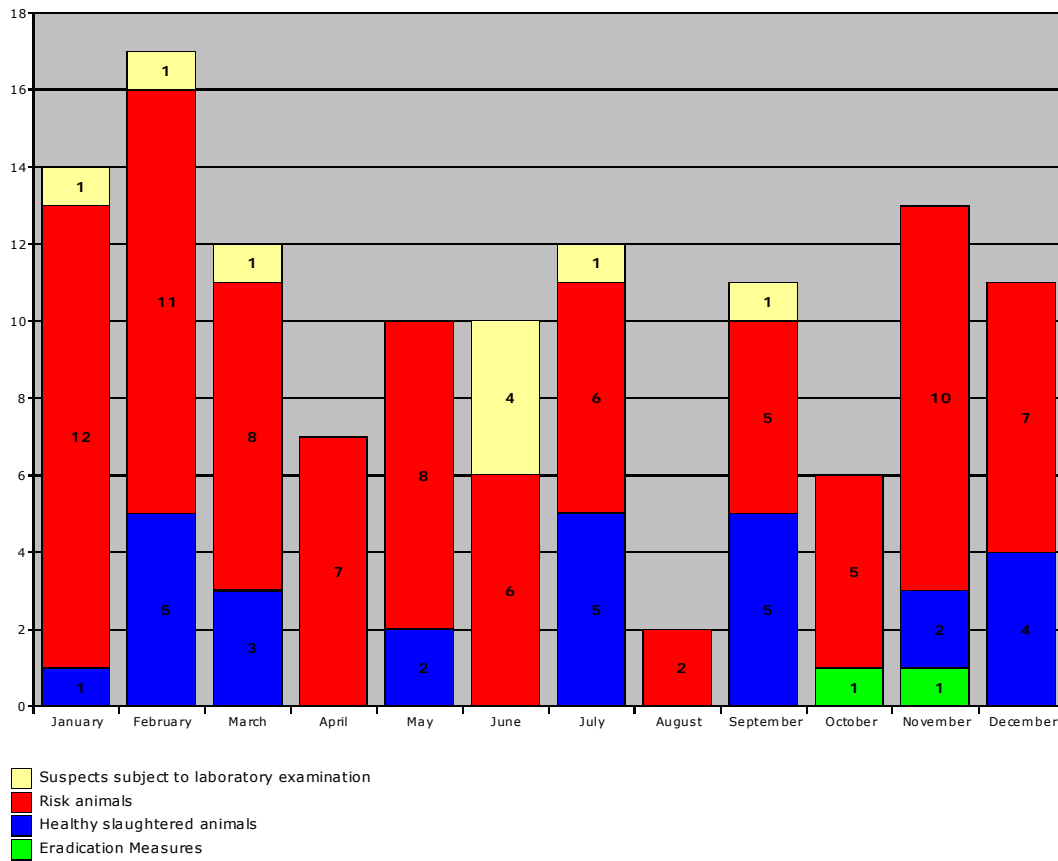
	Adult cattle*	N° Tests	Positives	Ratio**	Prevalence***	
					Passive surveillance	Total monitoring
Belgique/België	1 354 000	367 242	0	0,00	0,00	0,00
Bulgaria	380 600	17 500	0	0,00	0,00	0,00
Ceská Republika	653 700	157 392	0	0,00	0,00	0,00
Danmark	756 000	233 162	0	0,00	0,00	0,00
Deutschland	5 894 500	1 724 563	2	0,01	0,00	0,35
Eesti	126 200	33 613	0	0,00	0,00	0,00
Ellas	355 000	33 782	0	0,00	0,00	0,00
España	3 311 000	524 557	25	0,48	0,93	7,72
France	10 428 000	2 414 004	8	0,03	0,00	0,77
Ireland	3 471 600	787 871	22	0,28	0,65	7,17
Italia	2 890 300	678 319	1	0,01	0,00	0,34
Kypros	25 300	8 757	0	0,00	0,00	0,00
Latvija	211 400	47 600	0	0,00	0,00	0,00
Lietuva	455 500	93 473	0	0,00	0,00	0,00
Luxembourg	98 200	13 858	0	0,00	0,00	0,00
Magyarország	365 000	86 044	0	0,00	0,00	0,00
Malta	9 200	2 423	0	0,00	0,00	0,00
Nederland	1 708 000	476 361	1	0,02	0,00	0,59
Österreich	933 400	224 475	0	0,00	0,00	0,00
Polska	3 152 800	611 566	5	0,08	0,00	1,66
Portugal	821 200	98 079	18	1,84	2,44	21,92
Romania	1 751 500	131 217	0	0,00	0,00	0,00
Slovenija	205 100	31 114	0	0,00	0,00	0,00
Slovensko	252 500	55 200	1	0,18	0,00	3,96
Suomi/Finland	377 300	110 094	0	0,00	0,00	0,00
Sverige	679 200	181 952	0	0,00	0,00	0,00
United Kingdom	4 827 000	907 366	42	0,46	0,42	8,79
Total EU 27	45 493 500	10 051 584	125	0,12	0,20	2,75
Norway	404 000	20 024	0	0,00	0,00	0,00
Total Others	404 000	20 024	0	0,00	0,00	0,00

*Eurostat June 2009

** BSE positives per 10 000 bovine animals tested

*** Cases over the last 12 months per 1 Million adult bovine animals

Chart B6: Number of BSE positive cases per month in different target groups in the EU in 2008



Map 1: European countries where BSE positive cases were detected in 2008

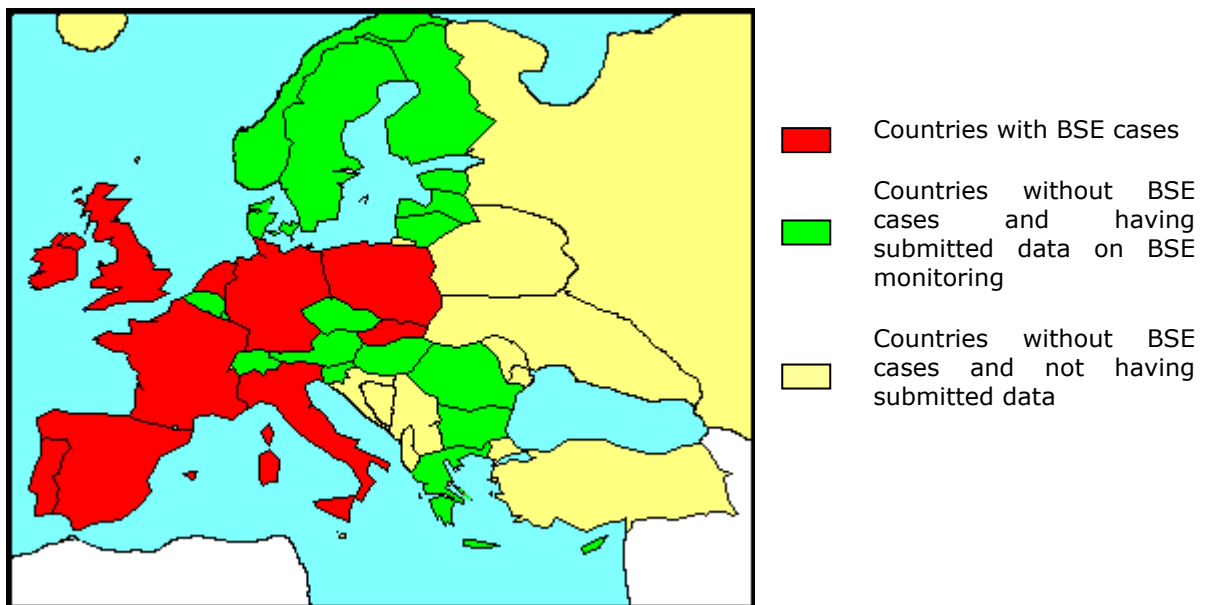


Table B6: Positives in active monitoring and passive surveillance in 2008

	Percentage of cases detected by active monitoring	active monitoring			passive surveillance		
		Tests			Tests		
		No.	Positive	Ratio*	No.	Positive	Ratio*
Belgique/België		367 184	0	0,00	58	0	0,00
Bulgaria		16 729	0	0,00	771	0	0,00
Ceská Republika		157 391	0	0,00	1	0	0,00
Danmark		233 159	0	0,00	3	0	0,00
Deutschland	100 %	1 723 276	2	0,01	1 287	0	0,00
Eesti		33 613	0	0,00	0	0	0,00
Ellas		33 782	0	0,00	0	0	0,00
España	88 %	524 548	22	0,42	9	3	3333,33
France	100 %	2 413 992	8	0,03	12	0	0,00
Ireland	91 %	787 777	20	0,25	94	2	212,77
Italia	100 %	678 314	1	0,01	5	0	0,00
Kypros		8 757	0	0,00	0	0	0,00
Latvija		47 599	0	0,00	1	0	0,00
Lietuva		93 473	0	0,00	0	0	0,00
Luxembourg		13 851	0	0,00	7	0	0,00
Magyarország		86 034	0	0,00	10	0	0,00
Malta		2 423	0	0,00	0	0	0,00
Nederland	100 %	476 352	1	0,02	9	0	0,00
Österreich		224 471	0	0,00	4	0	0,00
Polska	100 %	611 557	5	0,08	9	0	0,00
Portugal	89 %	98 070	16	1,63	9	2	2222,22
Romania		131 215	0	0,00	2	0	0,00
Slovenija		31 102	0	0,00	12	0	0,00
Slovensko	100 %	55 200	1	0,18	0	0	0,00
Suomi/Finland		110 093	0	0,00	1	0	0,00
Sverige		181 947	0	0,00	5	0	0,00
United Kingdom	95 %	907 323	40	0,44	43	2	465,12
Total EU 27	93 %	10 049 232	116	0,12	2 352	9	38,27
Norway		19 123	0	0,00	901	0	0,00
Total Others		19 123	0	0,00	901	0	0,00

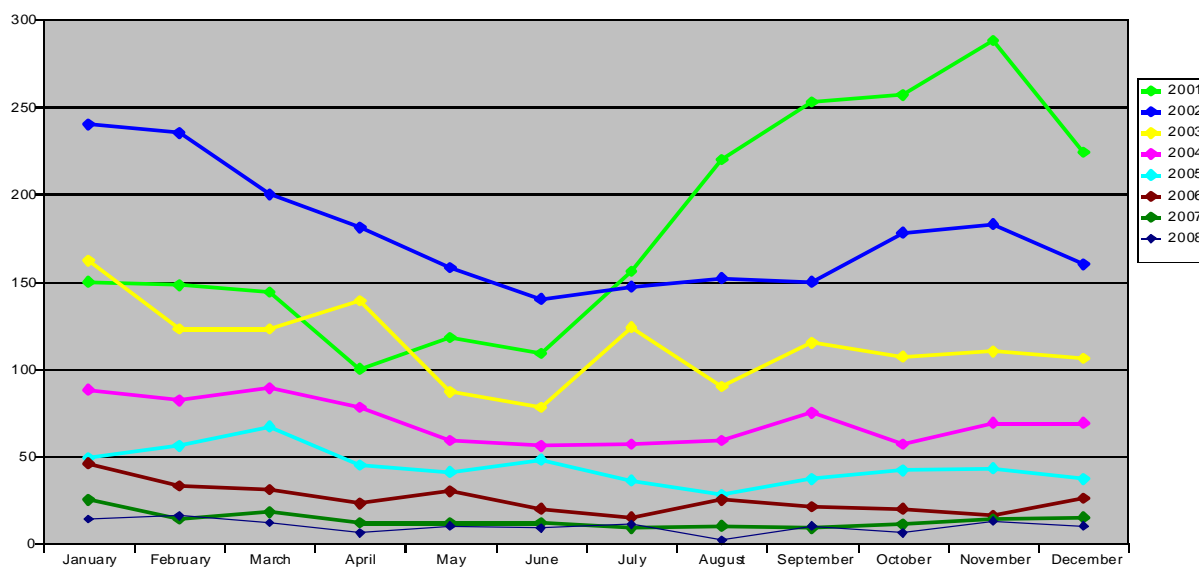
*BSE positives per 10 000 bovine animals tested

Table B7: Comparison of the number of positive cases and the prevalence in tested animals in 2008 and 2007

	Positives			Ratio*		
	2007	2008	Diff	2007	2008	Diff
Belgique/België	0	0	0 %	0,000	0,000	0 %
Danmark	0	0	0 %	0,000	0,000	0 %
Deutschland	4	2	-50 %	0,024	0,012	-52 %
Ellas	0	0	0 %	0,000	0,000	0 %
España	40	25	-38 %	0,857	0,477	-44 %
France	8	8	0 %	0,034	0,033	-2 %
Ireland	25	22	-12 %	0,295	0,279	-5 %
Italia	2	1	-50 %	0,032	0,015	-54 %
Luxembourg	0	0	0 %	0,000	0,000	0 %
Nederland	2	1	-50 %	0,043	0,021	-51 %
Österreich	1	0	-100 %	0,046	0,000	-100 %
Portugal	14	18	29 %	1,576	1,835	16 %
Suomi/Finland	0	0	0 %	0,000	0,000	0 %
Sverige	0	0	0 %	0,000	0,000	0 %
United Kingdom	65	42	-35 %	0,843	0,463	-45 %
Total EU 15	161	119	-26 %	0,19	0,14	-29 %
Bulgaria	0	0	0 %	0,000	0,000	0 %
Ceská Republika	2	0	-100 %	0,125	0,000	-100 %
Eesti	0	0	0 %	0,000	0,000	0 %
Kypros	0	0	0 %	0,000	0,000	0 %
Latvija	0	0	0 %	0,000	0,000	0 %
Lietuva	0	0	0 %	0,000	0,000	0 %
Magyarország	0	0	0 %	0,000	0,000	0 %
Malta	0	0	0 %	0,000	0,000	0 %
Polska	9	5	-44 %	0,149	0,082	-45 %
Romania	0	0	0 %	0,000	0,000	0 %
Slovenija	1	0	-100 %	0,319	0,000	-100 %
Slovensko	2	1	-50 %	0,323	0,181	-44 %
Total EU 12	14	6	-57 %	0,11	0,05	-57 %
Total EU 27	175	125	-29 %	0,17	0,12	-25 %

* positive cases per 10 000 bovine animals tested

Chart B7: Evolution of positive cases per month since July 2001 in the EU 15



	January	February	March	April	May	June	July	August	September	October	November	December
2001	150	148	144	100	118	109	156	220	253	257	288	224
2002	240	235	200	181	158	140	147	152	150	178	183	160
2003	162	123	123	139	87	78	124	90	115	107	110	106
2004	88	82	89	78	59	56	57	59	75	57	69	69
2005	49	56	67	45	41	48	36	28	37	42	43	37
2006	46	33	31	23	30	20	15	25	21	20	16	26
2007	25	14	18	12	12	12	9	10	9	11	14	15
2008	14	16	12	6	10	9	11	2	10	6	13	10

4.3. Testing by target group

Table B8: Testing on emergency slaughtered bovine animals

	Emergency slaughter		Ratio*		
	N° tests	Positives	Ratio*		
			2008	2007	diff
Belgique/België	770	0	0,00	0,00	0 %
Danmark	1 612	0	0,00	0,00	0 %
Deutschland	11 116	1	0,90	0,00	90 %
Ellas	78	0	0,00	0,00	0 %
España	497	1	20,12	0,00	2012 %
France	5 873	1	1,70	0,00	170 %
Ireland	0	0	0,00	n/a	
Italia	7 438	0	0,00	0,00	0 %
Luxembourg	5	0	0,00	0,00	0 %
Nederland	4 922	0	0,00	1,92	-100 %
Österreich	1 992	0	0,00	0,00	0 %
Portugal	1 748	2	11,44	0,00	1144 %
Suomi/Finland	621	0	0,00	0,00	0 %
Sverige	169	0	0,00	0,00	0 %
United Kingdom	3 310	1	3,02	7,41	-59 %
Total EU 15	40 151	6	1,49	1,10	36 %
Bulgaria	2 876	0	0,00	0,00	0 %
Ceská Republika	10 290	0	0,00	0,31	-100 %
Eesti	401	0	0,00	0,00	0 %
Kypros	88	0	0,00	0,00	0 %
Latvija	340	0	0,00	0,00	0 %
Lietuva	2 073	0	0,00	0,00	0 %
Magyarország	1 444	0	0,00	0,00	0 %
Malta	63	0	0,00	0,00	0 %
Polska	8 758	2	2,28	1,05	118 %
Romania	793	0	0,00	0,00	0 %
Slovenija	236	0	0,00	0,00	0 %
Slovensko	745	0	0,00	0,00	0 %
Total EU 12	28 107	2	0,71	0,40	80 %
Norway	8 351	0	0,00	0,00	0 %
Total Others	8 351	0	0,00	0,00	0 %
Total EU 27	68 258	8	1,17	0,52	125 %

* positive cases per 10 000 bovine animals tested

Table B9: Testing on bovine animals with clinical signs at ante-mortem inspection

	Clinical signs		at ante-mortem inspection		
	N° tests	Positives	Ratio*		
			2008	2007	diff
Belgique/België	144	0	0,00	0,00	0 %
Danmark	3	0	0,00	0,00	0 %
Deutschland	13	0	0,00	0,00	0 %
Ellas	1	0	0,00	0,00	0 %
España	869	1	11,51	0,00	1151 %
France	0	0	0,00		0 %
Ireland	2 191	0	0,00	5,11	-100 %
Italia	27 495	0	0,00	0,00	0 %
Luxembourg	1	0	0,00		0 %
Nederland	0	0	0,00		0 %
Österreich	329	0	0,00	0,00	0 %
Portugal	6 288	1	1,59	2,46	-35 %
Suomi/Finland	180	0	0,00	0,00	0 %
Sverige	0	0	0,00		0 %
United Kingdom	2 779	0	0,00	2,98	-100 %
Total EU 15	40 293	2	0,50	0,81	-38 %
Bulgaria	0	0	0,00	0,00	0 %
Ceská Republika	99	0	0,00	0,00	0 %
Eesti	134	0	0,00	0,00	0 %
Kypros	0	0	0,00		0 %
Latvija	68	0	0,00	0,00	0 %
Lietuva	174	0	0,00	0,00	0 %
Magyarország	8	0	0,00	0,00	0 %
Malta	0	0	0,00		0 %
Polska	19	0	0,00	0,00	0 %
Romania	195	0	0,00	0,00	0 %
Slovenija	638	0	0,00	10,87	-100 %
Slovensko	11	0	0,00	0,00	0 %
Total EU 12	1 346	0	0,00	3,83	-100 %
Norway	16	0	0,00	0,00	0 %
Total Others	16	0	0,00	0,00	0 %
Total EU 27	41 639	2	0,48	0,75	-36 %

* positive cases per 10 000 bovine animals tested

Table B10: Testing on fallen stock

	Fallen stock				
	N°	Positives	Ratio*		
	tests		2008	2007	diff
Belgique/België	49 188	0	0,00	0,00	0 %
Danmark	40 720	0	0,00	0,00	0 %
Deutschland	227 724	0	0,00	0,14	-100 %
Ellas	5 150	0	0,00	0,00	0 %
España	104 560	14	1,34	1,81	-26 %
France	309 971	6	0,19	0,24	-18 %
Ireland	98 189	16	1,63	1,63	0 %
Italia	66 595	0	0,00	0,17	-100 %
Luxembourg	3 279	0	0,00	0,00	0 %
Nederland	65 160	1	0,15	0,16	-7 %
Österreich	18 434	0	0,00	0,57	-100 %
Portugal	34 084	8	2,35	3,43	-32 %
Suomi/Finland	18 233	0	0,00	0,00	0 %
Sverige	20 814	0	0,00	0,00	0 %
United Kingdom	253 156	32	1,26	2,05	-38 %
Total EU 15	1 315 257	77	0,59	0,85	-31 %
Bulgaria	1 724	0	0,00	0,00	0 %
Ceská Republika	30 672	0	0,00	0,33	-100 %
Eesti	6 764	0	0,00	0,00	0 %
Kypros	1 188	0	0,00	0,00	0 %
Latvija	2 385	0	0,00	0,00	0 %
Lietuva	5 658	0	0,00	0,00	0 %
Magyarország	13 664	0	0,00	0,00	0 %
Malta	52	0	0,00	0,00	0 %
Polska	46 190	0	0,00	0,42	-100 %
Romania	2 280	0	0,00	0,00	0 %
Slovenija	8 841	0	0,00	0,00	0 %
Slovensko	13 299	0	0,00	0,00	0 %
Total EU 12	132 717	0	0,00	0,22	-100 %
Norway	2 305	0	0,00	0,00	0 %
Total Others	2 305	0	0,00	0,00	0 %
Total EU 27	1 447 974	77	0,53	0,76	-30 %

* positive cases per 10 000 bovine animals tested

Table B11: Testing on all risk bovine animals (Fallen stock, bovine animals with clinical signs at ante-mortem inspection and emergency slaughter)

			Total risk animals		
	N° tests	Positive s	Ratio*		
			2008	2007	diff
Belgique/België	50 102	0	0,00	0,00	0 %
Danmark	42 335	0	0,00	0,00	0 %
Deutschland	238 853	1	0,04	0,13	-68 %
Ellas	5 229	0	0,00	0,00	0 %
España	105 926	16	1,51	1,77	-15 %
France	315 844	7	0,22	0,23	-4 %
Ireland	100 380	16	1,59	1,71	-7 %
Italia	101 528	0	0,00	0,11	-100 %
Luxembourg	3 285	0	0,00	0,00	0 %
Nederland	70 082	1	0,14	0,30	-53 %
Österreich	20 755	0	0,00	0,51	-100 %
Portugal	42 120	11	2,61	3,14	-17 %
Suomi/Finland	19 034	0	0,00	0,00	0 %
Sverige	20 983	0	0,00	0,00	0 %
United Kingdom	259 245	33	1,27	2,18	-42 %
Total EU 15	1 395 701	85	0,61	0,86	-29 %
Bulgaria	4 600	0	0,00	0,00	0 %
Ceská Republika	41 061	0	0,00	0,32	-100 %
Eesti	7 299	0	0,00	0,00	0 %
Kypros	1 276	0	0,00	0,00	0 %
Latvija	2 793	0	0,00	0,00	0 %
Lietuva	7 905	0	0,00	0,00	0 %
Magyarország	15 116	0	0,00	0,00	0 %
Malta	115	0	0,00	0,00	0 %
Polska	54 967	2	0,36	0,52	-30 %
Romania	3 268	0	0,00	0,00	0 %
Slovenija	9 715	0	0,00	1,06	-100 %
Slovensko	14 055	0	0,00	0,00	0 %
Total EU 12	162 170	2	0,12	0,32	-62 %
Norway	10 672	0	0,00	0,00	0 %
Total Others	10 672	0	0,00	0,00	0 %
Total EU 27	1 557 871	87	0,56	0,75	-25 %

* positive cases per 10 000 bovine animals tested

Table B12: Testing on healthy slaughtered bovine animals

	Healthy		slaughter		Ratio*
	N° tests	Positives	Ratio*		
			2008	2007	
Belgique/België	317 082	0	0,00	0,00	0 %
Danmark	190 824	0	0,00	0,00	0 %
Deutschland	1 484 401	1	0,01	0,01	-4 %
Ellas	28 553	0	0,00	0,00	0 %
España	418 331	6	0,14	0,48	-70 %
France	2 098 130	1	0,00	0,01	-50 %
Ireland	687 200	3	0,04	0,08	-45 %
Italia	576 786	1	0,02	0,02	-7 %
Luxembourg	10 566	0	0,00	0,00	0 %
Nederland	406 263	0	0,00	0,00	0 %
Österreich	203 716	0	0,00	0,00	0 %
Portugal	55 844	5	0,90	0,70	27 %
Suomi/Finland	91 059	0	0,00	0,00	0 %
Sverige	160 964	0	0,00	0,00	0 %
United Kingdom	647 647	6	0,09	0,08	21 %
Total EU 15	7 377 366	23	0,03	0,05	-38 %
Bulgaria	12 129	0	0,00	0,00	0 %
Ceská Republika	116 305	0	0,00	0,00	0 %
Eesti	26 314	0	0,00	0,00	0 %
Kypros	7 481	0	0,00	0,00	0 %
Latvija	44 806	0	0,00	0,00	0 %
Lietuva	85 568	0	0,00	0,00	0 %
Magyarország	70 918	0	0,00	0,00	0 %
Malta	2 308	0	0,00	0,00	0 %
Polska	556 583	3	0,05	0,11	-51 %
Romania	127 947	0	0,00	0,00	0 %
Slovenija	21 387	0	0,00	0,00	0 %
Slovensko	41 144	1	0,24	0,43	-43 %
Total EU 12	1 112 890	4	0,04	0,07	-51 %
Norway	8 451	0	0,00	0,00	0 %
Total Others	8 451	0	0,00	0,00	0 %
Total EU 27	8 490 256	27	0,03	0,04	-27 %

* positive cases per 10 000 bovine animals tested

Table B13: Testing on bovine animals culled in the frame of BSE eradication

	Eradication measures				
	N° tests	Positives	Ratio*		
			2008	2007	diff
Belgique/België	0	0	0.00		
Danmark	0	0	0.00	0,00	0 %
Deutschland	22	0	0,00	0,00	0 %
Ellas	0	0	0.00		
España	291	0	0,00	38,02	-100 %
France	18	0	0,00	0,00	0 %
Ireland	197	1	50,76	0,00	0 %
Italia	0	0	0.00	0,00	0 %
Luxembourg	0	0	0.00		
Nederland	7	0	0,00	0,00	0 %
Österreich	0	0	0,00		0 %
Portugal	106	0	0,00	0,00	0 %
Suomi/Finland	0	0	0.00		
Sverige	0	0	0.00		
United Kingdom	431	1	23,20	0,00	0 %
Total EU 15	1 072	2	18,66	8,44	121 %
Bulgaria	0	0	0.00	0,00	0 %
Ceská Republika	25	0	0,00	0,00	0 %
Eesti	0	0	0.00		
Kypros	0	0	0.00		
Latvija	0	0	0.00		
Lietuva	0	0	0.00		
Magyarország	0	0	0.00		
Malta	0	0	0.00		
Polska	7	0	0,00	0,00	0 %
Slovenija	0	0	0.00	0,00	0 %
Slovensko	1	0	0,00	0,00	0 %
Total EU 12	33	0	0,00	0,00	0 %
Norway	0	0	0.00		
Total Others					
Total EU 27	1 105	2	18,10	6,80	166 %

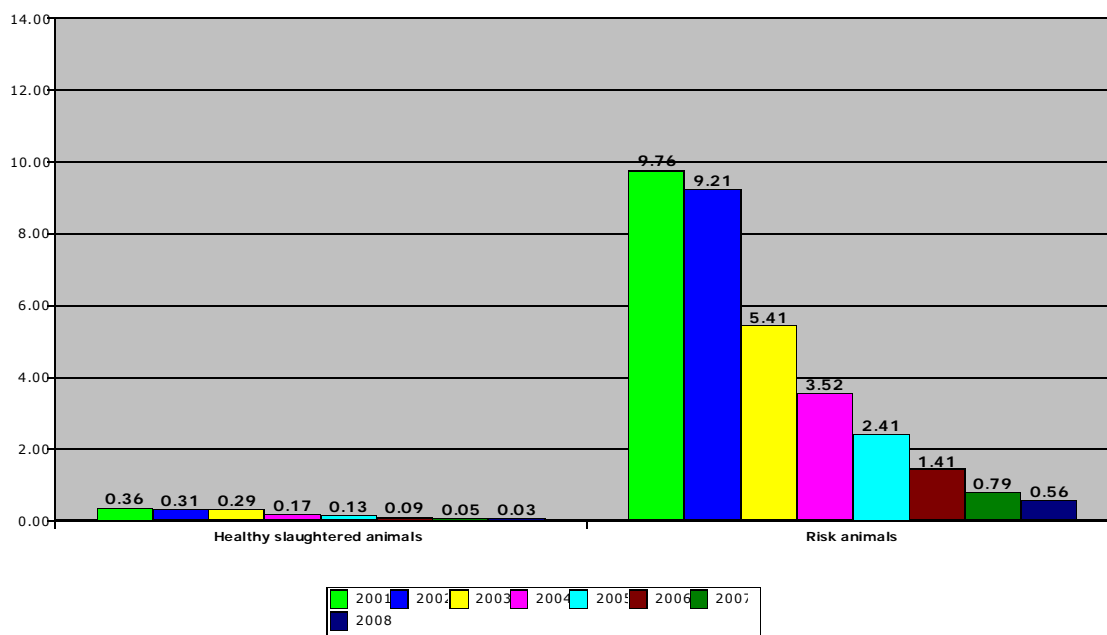
* positive cases per 10 000 bovine animals tested

Table B14: Total of testing by active monitoring

			Total active monitoring		
	N°	Positives	Ratio*		
			2008	2007	diff
Belgique/België	367 184	0	0,00	0,00	0 %
Danmark	233 159	0	0,00	0,00	0 %
Deutschland	1 723 276	2	0,01	0,02	-52 %
Ellas	33 782	0	0,00	0,00	0 %
España	524 548	22	0,42	0,75	-44 %
France	2 413 992	8	0,03	0,03	-2 %
Ireland	787 777	20	0,25	0,25	2 %
Italia	678 314	1	0,01	0,03	-54 %
Luxembourg	13 851	0	0,00	0,00	0 %
Nederland	476 352	1	0,02	0,04	-51 %
Österreich	224 471	0	0,00	0,05	-100 %
Portugal	98 070	16	1,63	1,58	4 %
Suomi/Finland	110 093	0	0,00	0,00	0 %
Sverige	181 947	0	0,00	0,00	0 %
United Kingdom	907 323	40	0,44	0,75	-41 %
Total EU 15	8 774 139	110	0,125	0,172	-27 %
Bulgaria	16 729	0	0,00	0,00	0 %
Ceská Republika	157 391	0	0,00	0,12	-100 %
Eesti	33 613	0	0,00	0,00	0 %
Kypros	8 757	0	0,00	0,00	0 %
Latvija	47 599	0	0,00	0,00	0 %
Lietuva	93 473	0	0,00	0,00	0 %
Magyarország	86 034	0	0,00	0,00	0 %
Malta	2 423	0	0,00	0,00	0 %
Polska	611 557	5	0,08	0,15	-45 %
Romania	131 215	0	0,00	0,00	0 %
Slovenija	31 102	0	0,00	0,32	-100 %
Slovensko	55 200	1	0,18	0,32	-44 %
Total EU 12	1 275 093	6	0,047	0,109	-57 %
Norway	19 123	0	0,00	0,00	0 %
Total Others	19 123	0	0,000	0,000	0 %
Total EU 27	10 049 232	116	0,12	0,15	-23 %

* positive cases per 10 000 bovine animals tested

Chart B8: Evolution of the prevalence in tested animals per target groups of BSE cases detected by active monitoring



Comments on testing by target group

Figures between different Member States should be compared with caution as:

- The results of different target groups are interdependent and should not be viewed in isolation. For example, an effective passive surveillance will increase the number of cases found in suspects and may at the same time decrease the ratio of positive cases in the other target groups, in particular in fallen stock and emergency slaughtered animals. In addition the policy on emergency slaughter may vary between Member States which will have an impact on the cases detected in this surveillance stream.
- Moreover, different monitoring programmes were run in healthy slaughtered cattle. Testing younger cattle on a voluntary basis will increase the denominator and result in a lower ratio. In addition, in case of UK, the testing focussed on animals born after the date of the effective feed ban.

The figures illustrate that the likelihood of finding BSE cases is higher in fallen stock, emergency slaughtered cattle and cattle with general clinical signs at ante-mortem ('risk animals') than in healthy slaughtered cattle.

4.4. Age distribution of BSE positive cases

Table B15: Age distribution (age group of months) of all BSE positive cases with known age in 2008

	Age (years old)	1	2	2	3	4	5	6	7	8	9	10	11	12	>12
	Age group (months)	<24	24-29	30-35	36-47	48-59	60-71	72-83	84-95	96-107	108-119	120-131	132-143	144-155	> 155
Deutschland	No of cases	0	0	0	0	0	0	0	1	1	0	0	0	0	0
España	No of cases	0	0	0	0	0	1	0	5	2	5	5	1	3	3
France	No of cases	0	0	0	0	0	0	0	1	1	0	0	2	1	3
Ireland	No of cases	0	0	0	0	0	2	1	0	0	1	0	2	9	7
Italia	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Nederland	No of cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Portugal	No of cases	0	0	0	0	0	0	0	0	1	1	3	2	3	8
United Kingdom	No of cases	0	0	0	0	1	2	2	0	2	2	2	4	7	19
Total EU 15	No of cases	0	0	0	0	1	5	3	7	8	9	10	11	24	40
Polska	No of cases	0	0	0	1	0	1	0	0	1	2	0	0	0	0
Slovensko	No of cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Total EU 12	No of cases	0	0	0	1	0	1	1	0	1	2	0	0	0	0

Chart B9: Age distribution of positive cases in the UK, Ireland, the rest of the EU 15 and EU 12 Member States in 2008

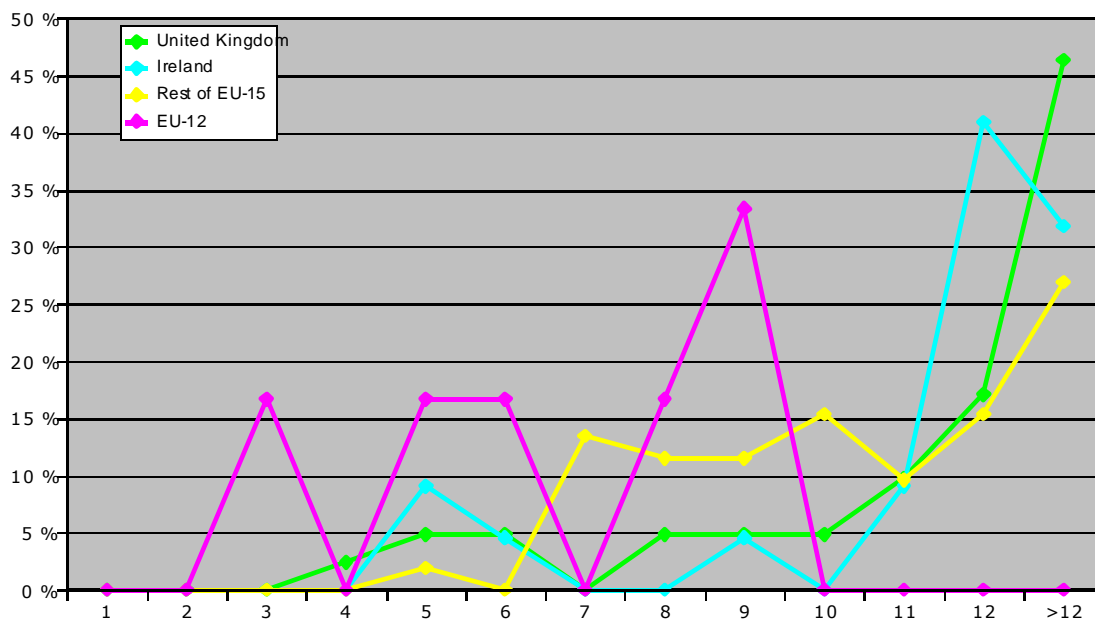


Chart B10: Age distribution of positives cases in EU 15 and EU 12 in 2008

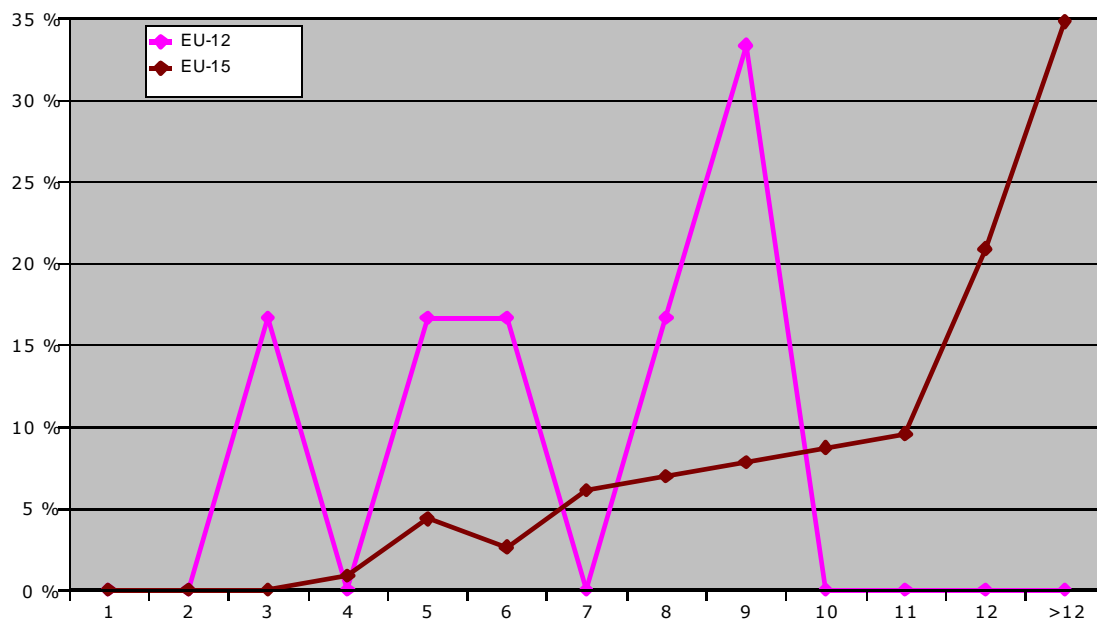
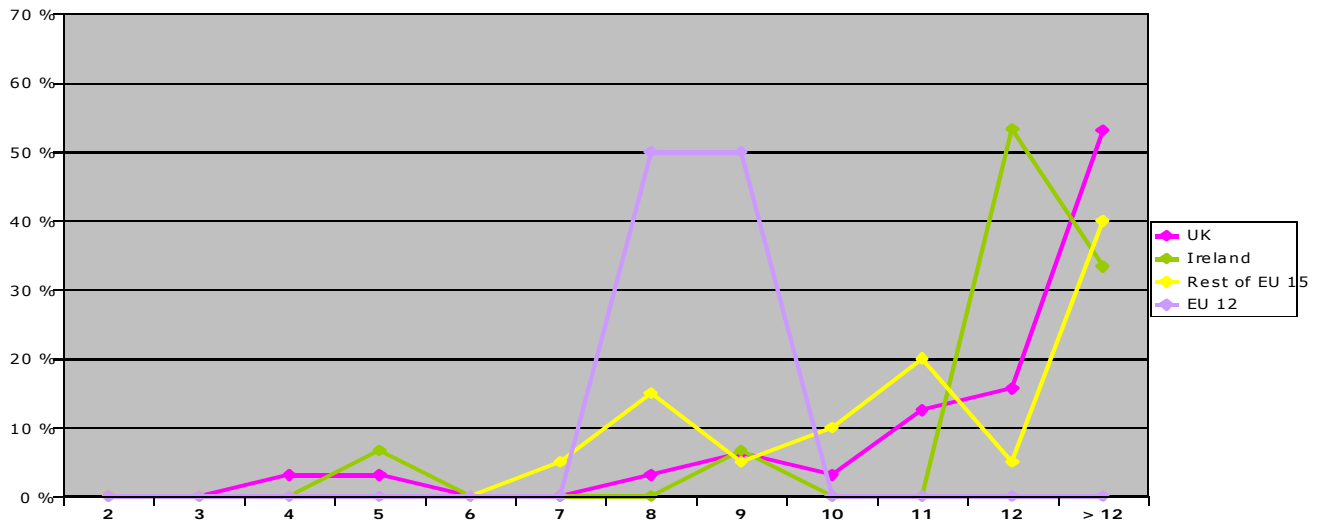
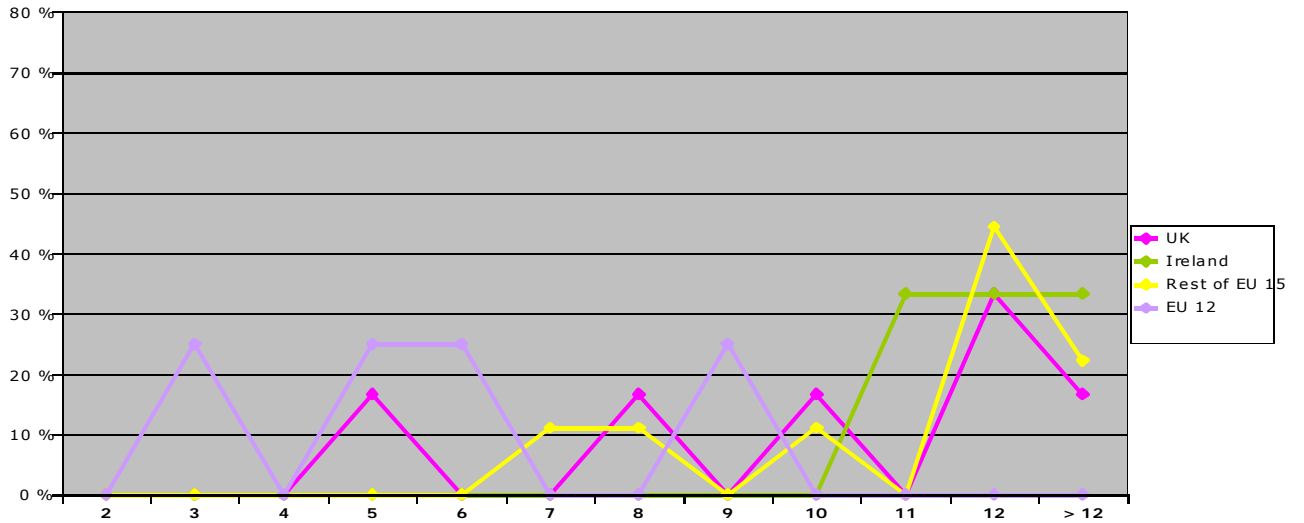


Chart B11: Age distribution of BSE positive cases in risk animals (fallen stock, emergency slaughter and clinical signs at ante-mortem inspection) in 2008



	2	3	4	5	6	7	8	9	10	11	12	> 12
UK	0 %	0 %	3 %	3 %	0 %	0 %	3 %	6 %	3 %	13 %	16 %	53 %
Ireland	0 %	0 %	0 %	7 %	0 %	0 %	0 %	7 %	0 %	0 %	53 %	33 %
Rest of EU 15	0 %	0 %	0 %	0 %	0 %	5 %	15 %	5 %	10 %	20 %	5 %	40 %
EU 12	0 %	0 %	0 %	0 %	0 %	0 %	50 %	50 %	0 %	0 %	0 %	0 %

Chart B12: Age distribution of BSE positive cases in healthy slaughtered animals in 2008



	2	3	4	5	6	7	8	9	10	11	12	> 12
UK	0 %	0 %	0 %	17 %	0 %	0 %	17 %	0 %	17 %	0 %	33 %	17 %
Ireland	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	33 %	33 %	33 %
Rest of EU 15	0 %	0 %	0 %	0 %	0 %	11 %	11 %	0 %	11 %	0 %	44 %	22 %
EU 12	0 %	25 %	0 %	25 %	25 %	0 %	0 %	25 %	0 %	0 %	0 %	0 %

Chart B13: Average age (in months) of BSE positive cases detected in the EU from 2001 to 2008

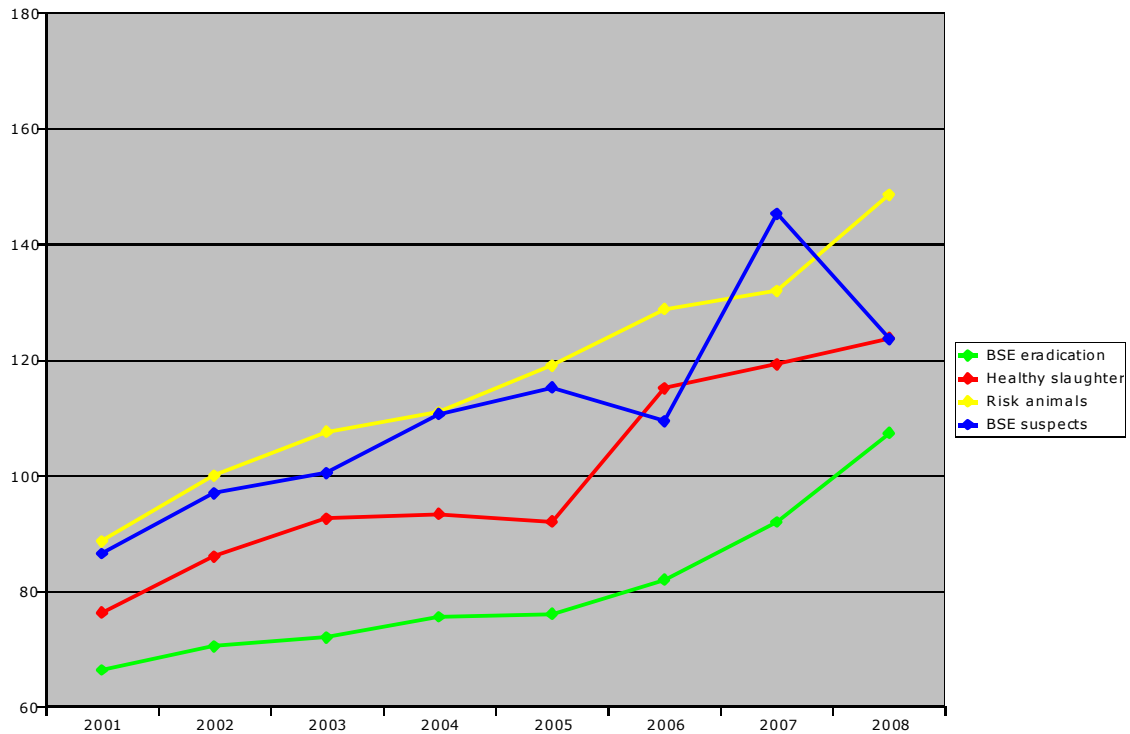


Table B16: Age distribution (age group of months) of positive cases with a known age in risk animals (Fallen stock, emergency slaughter and clinical signs at Ante-Mortem inspection) in 2008

	Age (Years old)	1	2	2	3	4	5	6	7	8	9	10	11	12	>12
	Age Group (months)	<24	24-29	30-35	36-47	48-59	60-71	72-83	84-95	96-107	108-119	120-131	132-143	144-155	> 155
Deutschland	No of cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0
España	No of cases	0	0	0	0	0	1	0	2	2	2	2	1	3	2
France	No of cases	0	0	0	0	0	0	0	1	1	0	0	2	1	2
Ireland	No of cases	0	0	0	0	0	1	0	0	0	1	0	0	8	5
Portugal	No of cases	0	0	0	0	0	0	0	0	0	1	2	2	0	6
United Kingdom	No of cases	0	0	0	0	1	1	0	0	1	2	1	4	5	17
EU 15	Total No of cases	0	0	0	0	1	3	0	3	5	6	5	9	17	32
Polska	No of cases	0	0	0	0	0	0	0	0	1	1	0	0	0	0
EU 12	Total No of cases	0	0	0	0	0	0	0	0	1	1	0	0	0	0

Table B17: Age distribution (age group of months) of positive cases with known age in healthy slaughtered bovine animals in 2008

	Age (Years old)	1	2	2	3	4	5	6	7	8	9	10	11	12	>12
	Age Group (months)	<24	24-29	30-35	36-47	48-59	60-71	72-83	84-95	96-107	108-119	120-131	132-143	144-155	> 155
Deutschland	No of cases	0	0	0	0	0	0	0	1	0	0	0	0	0	0
España	No of cases	0	0	0	0	0	0	0	2	0	2	3	0	0	0
France	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ireland	No of cases	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Italia	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Portugal	No of cases	0	0	0	0	0	0	0	0	1	0	1	0	3	1
United Kingdom	No of cases	0	0	0	0	0	1	0	0	1	0	1	0	2	1
EU 15	Total No of cases	0	0	0	0	0	1	0	3	2	2	5	1	7	4
Polska	No of cases	0	0	0	1	0	1	0	0	0	1	0	0	0	0
EU 12	Total No of cases	0	0	0	1	0	1	0	0	0	1	0	0	0	0

Table B19: Average age (in months) per target group of BSE positive cases detected in the EU from 2001 to 2008

	BSE eradication								Healthy slaughtered								Risk animals								BSE suspects							
	2001	2002	2003	2004	2005	2006	2007	2008	2001	2002	2003	2004	2005	2006	2007	2008	2001	2002	2003	2004	2005	2006	2007	2008	2001	2002	2003	2004	2005	2006	2007	2008
Belgique/Belgie	74,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	72,1	74,8	88,1	91,8	96,0	144,0	0,0	0,0	73,6	84,0	81,6	83,0	0,0	178,0	0,0	0,0	73,9	81,0	0,0	82,3	95,0	0,0	0,0	0,0
Danmark	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	57,7	71,0	86,0	0,0	0,0	0,0	0,0	0,0	78,0	64,0	0,0	166,0	113,0	0,0	0,0	0,0	48,0	0,0	66,0	0,0	0,0	0,0	0,0	0,0
Deutschland	61,5	56,3	52,0	87,5	0,0	0,0	0,0	0,0	68,4	78,3	72,7	78,4	65,8	79,6	94,0	94,0	63,8	78,5	73,4	71,2	80,3	88,9	87,7	97,0	64,7	70,5	71,7	68,7	0,0	70,0	0,0	0,0
Ellas	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	56,0	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	0,0
España	20,0	0,0	69,0	0,0	80,4	0,0	92,0	0,0	83,0	81,3	84,2	83,2	82,3	95,0	116,8	113,1	72,5	76,4	84,2	81,5	79,1	89,7	101,5	129,7	64,3	86,6	74,0	82,7	82,1	82,3	89,0	120,7
France	86,0	79,0	0,0	0,0	0,0	0,0	0,0	0,0	75,7	86,9	100,1	90,9	116,1	86,7	141,5	177,0	79,3	85,8	97,7	110,5	105,6	131,8	124,2	145,6	74,9	84,1	81,8	111,4	121,0	0,0	0,0	0,0
Ireland	0,0	71,6	95,0	69,0	0,0	0,0	0,0	122,0	90,7	99,1	112,3	125,1	131,3	142,0	190,2	154,0	83,5	95,6	104,6	117,1	120,9	136,9	154,1	147,0	82,4	91,5	100,0	118,1	136,8	113,8	166,2	108,0
Italia	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	66,5	80,3	91,5	67,0	96,4	109,4	114,0	153,0	71,9	75,9	97,3	93,5	115,0	72,0	171,0	0,0	0,0	0,0	96,0	0,0	0,0	0,0	0,0	0,0
Luxembourg	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	48,0	0,0	0,0	0,0	0,0	73,0	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
Nederland	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	76,2	79,3	85,5	99,2	66,0	86,0	0,0	0,0	71,0	73,0	69,8	84,0	58,0	0,0	86,5	98,0	78,0	75,0	79,0	0,0	0,0	106,0	0,0	0,0
Osterreich	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	70,0	0,0	0,0	0,0	154,0	71,0	0,0	0,0	0,0	0,0	0,0	0,0	135,0	149,0	130,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Portugal	0,0	99,0	0,0	67,0	0,0	0,0	0,0	0,0	81,2	86,9	94,5	97,4	100,3	141,6	131,0	141,8	82,3	85,2	90,8	103,2	121,4	125,7	147,8	162,2	81,9	88,2	93,5	100,8	101,5	147,0	82,0	179,0
Suomi/Finland	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	81,0	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
Sverige	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	134,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
United Kingdom	0,0	0,0	0,0	0,0	80,3	82,0	0,0	78,0	57,0	102,0	109,4	112,4	104,9	114,6	72,0	127,0	101,1	110,9	119,9	128,3	136,1	142,8	135,2	154,5	89,4	101,0	108,4	119,1	127,6	126,8	155,4	116,0
EU 15	66,44	70,50	72,00	75,60	80,31	82,00	92,00	107,33	76,25	85,94	93,14	94,49	94,45	112,43	126,59	131,64	88,68	100,08	107,73	111,80	119,66	129,90	132,86	149,53	86,52	96,95	100,53	110,65	115,23	109,43	145,27	123,63
Ceská Republika	0,0	0,0	0,0	0,0	57,0	0,0	0,0	0,0	77,0	77,0	65,3	88,0	60,0	80,5	0,0	0,0	75,0	0,0	84,0	60,6	60,5	72,0	124,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Polska	0,0	0,0	0,0	0,0	58,0	0,0	0,0	0,0	0,0	82,0	74,0	93,4	83,1	107,0	97,0	72,3	0,0	0,0	0,0	114,7	107,5	131,7	121,0	105,5	0,0	102,0	67,0	0,0	0,0	0,0	0,0	0,0
Slovenija	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	62,0	81,0	0,0	0,0	78,0	78,0	54,0	62,5	0,0	0,0	75,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Slovensko	0,0	0,0	0,0	0,0	59,0	0,0	0,0	0,0	79,5	100,3	93,0	60,2	59,0	0,0	79,0	81,0	82,0	78,7	72,0	75,0	64,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
EU 12					58,00				79,00	87,63	73,13	81,60	79,28	99,10	93,00	74,50	78,33	78,50	70,00	76,83	71,33	116,75	115,17	105,50		102,00	67,00					
Total EU 27	66,4	70,5	72,0	75,6	76,1	82,0	92,0	107,3	76,3	86,0	92,5	93,4	92,1	115,1	119,2	123,8	88,6	100,0	107,6	111,0	118,5	129,6	131,9	148,5	86,5	97,0	100,4	110,6	115,2	109,4	145,3	123,6

Chart B14: Average age (in months) per target group of BSE positive cases detected in EU 27 from 2004 to 2008

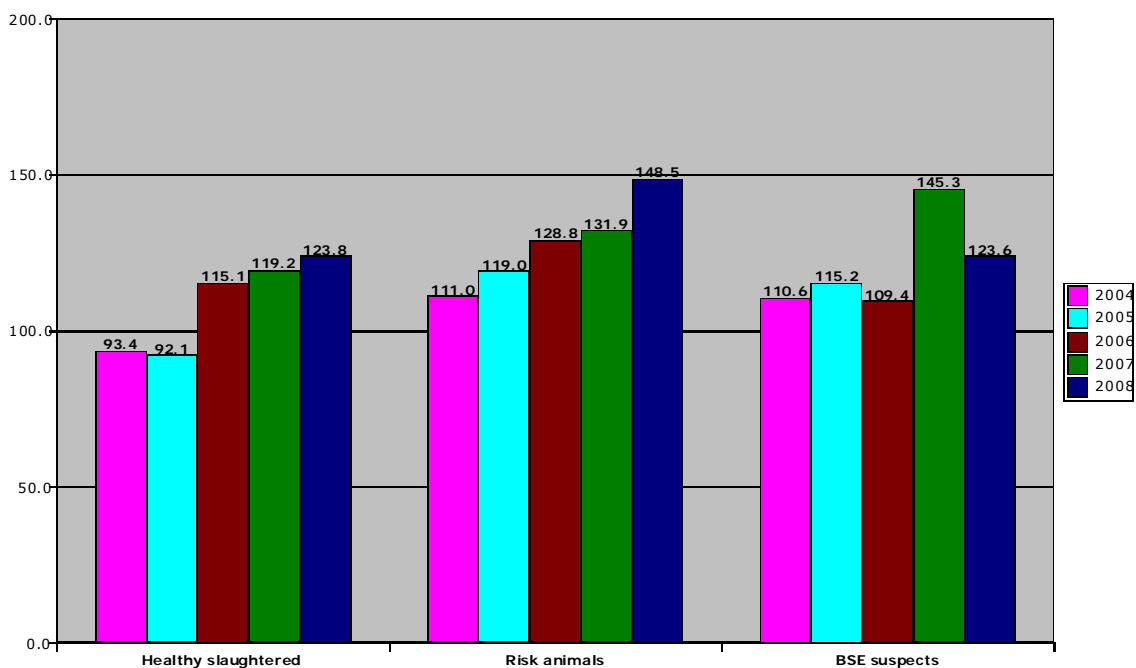


Chart B15: Average age (in months) per target group of BSE positive cases detected in EU 15 from 2001 to 2008

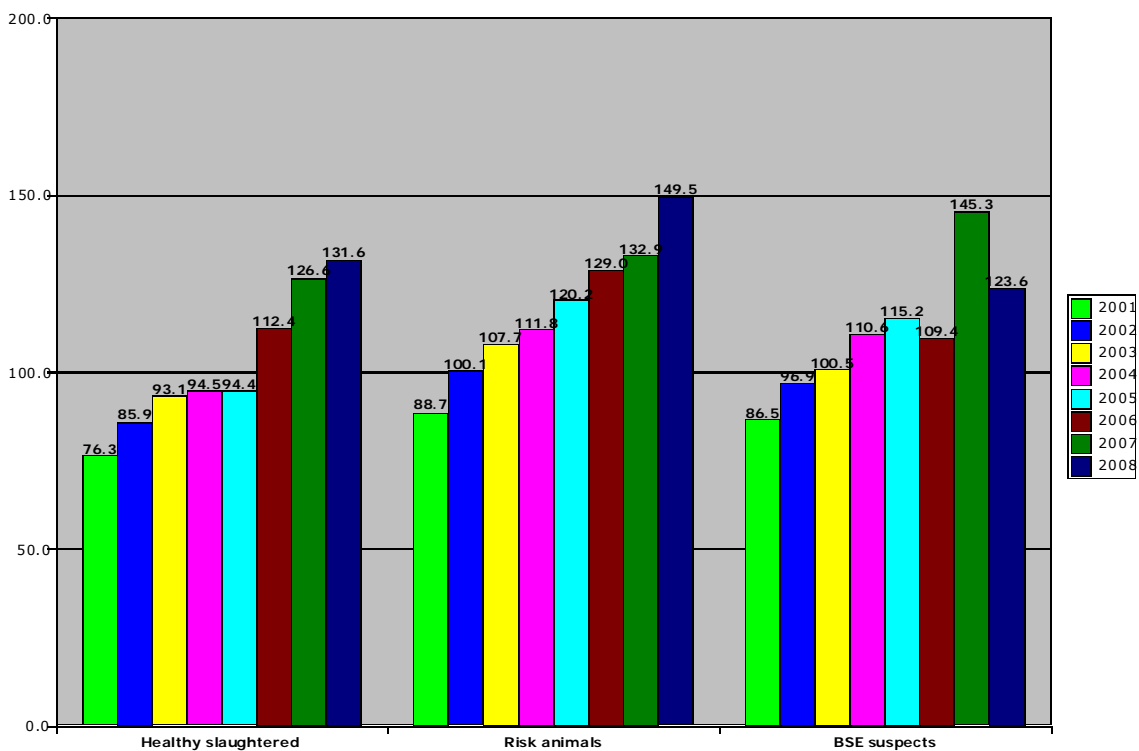
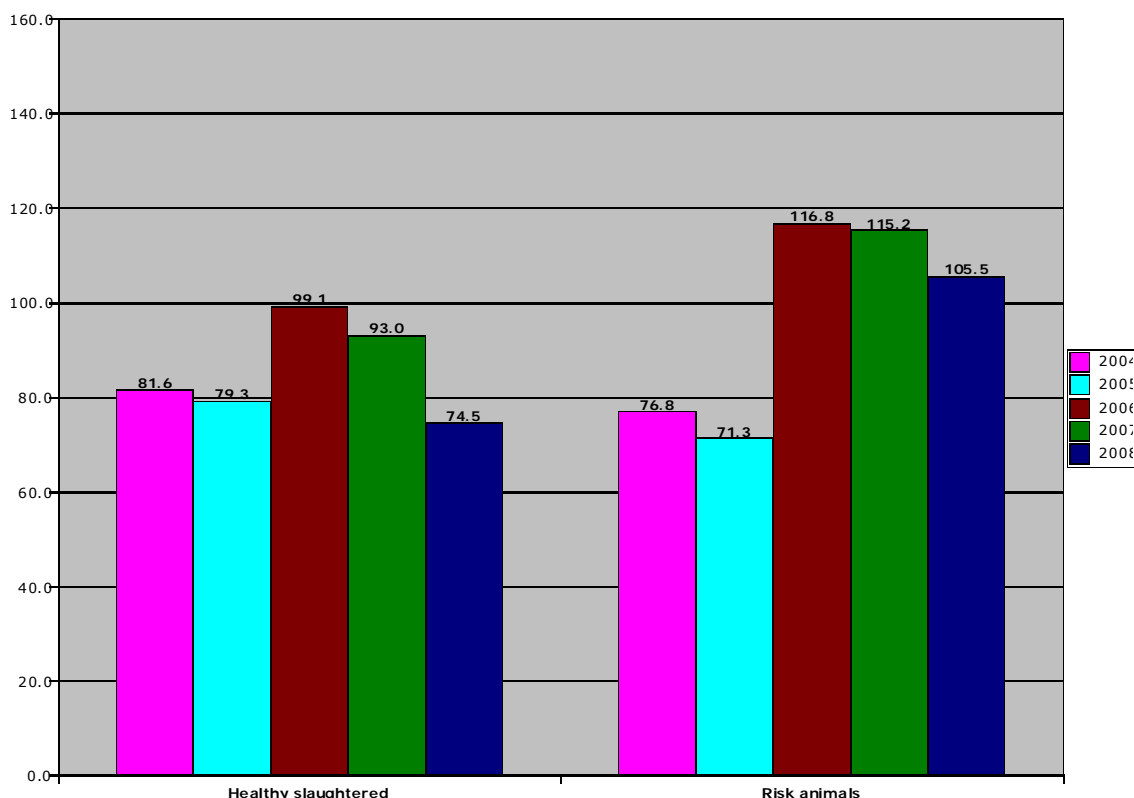


Chart B16: Average age (in months) per target group of BSE positive cases detected in EU 12 from 2004 to 2008



Comments on the age distribution of BSE positive animals

The previous tables and charts illustrate that there are differences between Member States in the age profile of positive cases in 2008 as was already observed in the previous years. However a favourable evolution (increasing trend) is observed in the average age of positive cases of the major target groups from 2001 to 2008. Taking into consideration an average incubation period of 5-6 years, these figures are an indication that measures taken (mainly feed ban) have been effective and that the prevalence of BSE in young animals is decreasing.

4.5. Year of birth distribution of BSE positive cases detected since 2001

Table B20: Year of birth distribution of BSE cases

		< 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Belgique/België	No of cases	0	0	3	4	2	16	28	41	17	3	0	0	0	0	0	0	0
Danmark	No of cases	0	1	0	0	1	0	0	7	2	2	0	0	0	0	0	0	0
Deutschland	No of cases	1	2	2	2	3	15	84	134	44	34	54	27	2	0	0	0	0
Ellas	No of cases	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
España	No of cases	11	4	0	7	36	40	95	115	154	135	77	70	4	2	0	0	0
France	No of cases	4	4	5	12	64	186	298	89	41	16	9	5	1	0	0	0	0
Ireland	No of cases	23	17	29	45	116	195	398	180	15	6	8	5	4	1	2	0	0
Italia	No of cases	3	0	1	4	5	14	27	52	26	3	5	2	1	0	0	0	0
Luxembourg	No of cases	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
Nederland	No of cases	1	0	2	2	3	4	7	32	12	6	2	4	1	0	0	0	0
Österreich	No of cases	0	0	0	1	1	1	0	2	0	0	0	1	0	0	0	0	0
Portugal	No of cases	8	10	3	14	88	112	66	86	84	48	13	1	1	1	0	0	0
Suomi/Finland	No of cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Sverige	No of cases	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
United Kingdom	No of cases	261	107	205	388	638	974	854	117	55	51	35	13	7	7	2	0	0
Total EU 15	No of cases	312	145	250	479	957	1 558	1 858	857	450	304	203	128	22	11	4	0	0
Ceská Republika	No of cases	0	0	0	0	0	0	4	2	4	3	3	12	1	0	0	0	0
Polska	No of cases	0	0	0	3	0	5	7	12	6	6	10	7	3	1	2	1	1
Slovenija	No of cases	0	0	0	0	0	0	1	1	0	1	1	4	0	0	0	0	0
Slovensko	No of cases	0	0	1	0	0	0	9	4	1	0	1	5	5	0	0	0	0
Total EU 12	No of cases	0	0	1	3	0	5	21	19	11	10	15	28	9	1	2	1	1

Charts B17 and B18: Distribution of number of BSE cases per year of birth

Chart B17

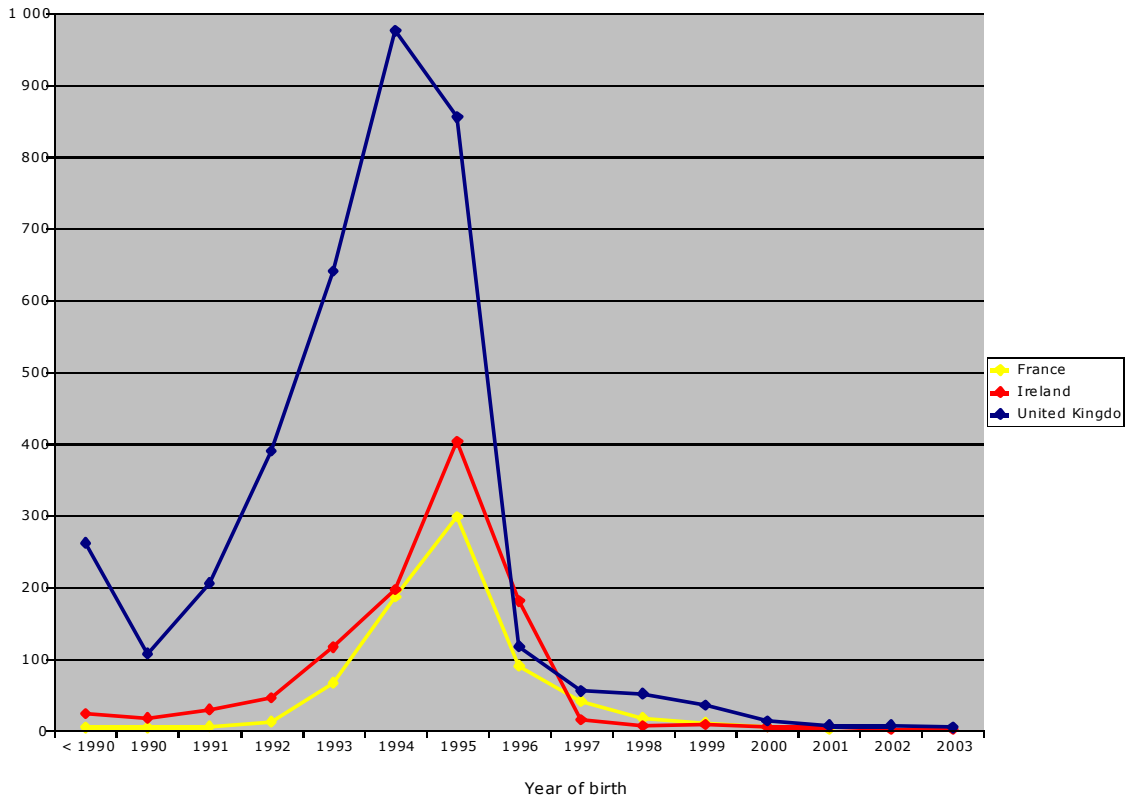
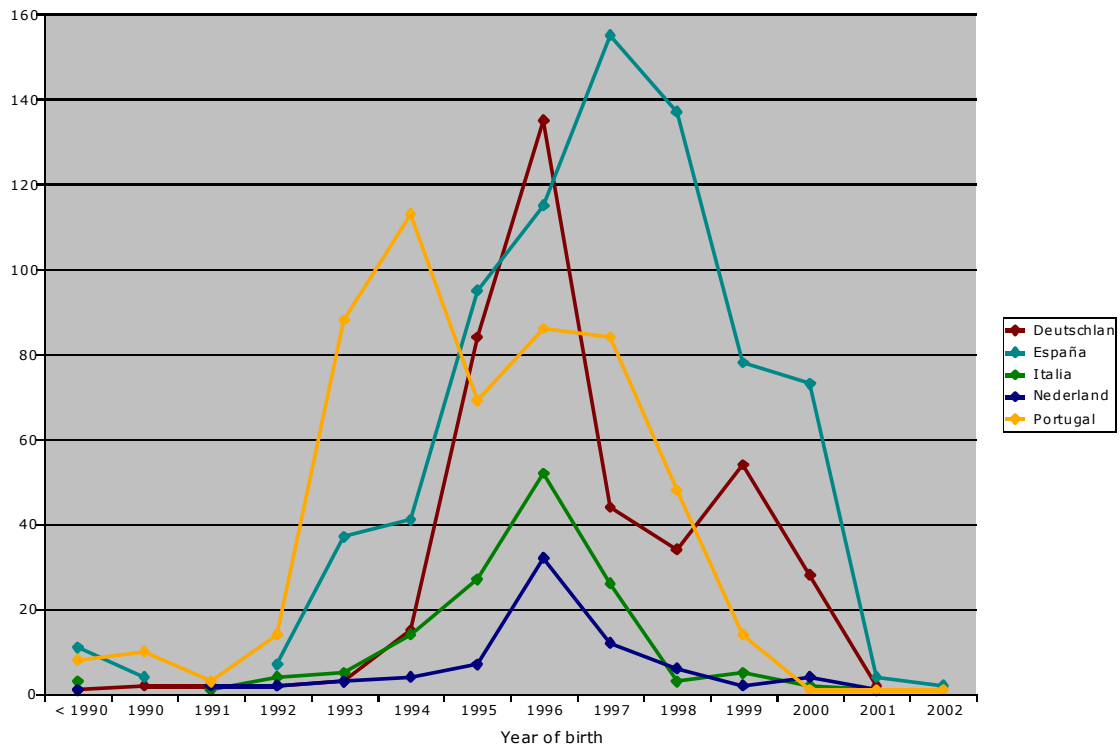


Chart B18



Comments on the year of birth distribution of positive animals

The previous tables and charts only take account of cases detected since 2001 and does not include cases detected before 2001. However, differences between Member States with regard to the year of birth with the highest percentage of positive cases may be an indication of differences in the period of exposure to the agent and by the effectiveness of measures to prevent transmission of the agent, in particular the feed ban.

4.6. Prevalence of BSE in different age categories in 2008

Table B21: Extrapolated age (months) distribution of tested bovine animals in 2008

	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU 15
< 24	2 533	169	7 663	98	1 194	0	6	277	0	3 580	0	0	58	757	18	16 353
24-29	4 703	4 708	27 174	430	30 462	22 686	6 483	9 360	315	7 749	1 485	2 368	2 617	1 953	16 604	139 097
30-35	25 708	22 270	195 670	2 598	15 378	279 235	224 021	51 561	2 582	32 695	19 872	5 068	11 228	27 001	87 195	1 002 082
36-47	70 021	49 008	319 836	4 748	32 320	481 086	156 973	103 181	2 960	79 670	31 382	10 212	22 734	37 523	112 807	1 514 461
48-59	73 442	52 210	295 736	4 735	38 356	321 748	56 825	106 717	1 965	85 537	28 804	10 408	24 068	34 872	101 366	1 236 789
60-71	59 715	39 162	248 673	4 542	36 837	274 632	46 774	97 904	1 385	75 753	28 179	9 883	19 511	27 173	99 542	1 069 665
72-83	43 102	26 079	198 830	3 685	33 848	231 574	43 837	77 289	1 152	62 921	25 267	8 539	12 926	19 301	91 751	880 101
84-95	28 702	15 678	150 315	2 754	27 889	190 934	41 825	58 583	869	49 809	22 505	7 687	7 544	12 031	80 383	697 508
96-107	18 060	9 384	100 600	2 000	24 565	153 563	9	44 794	635	30 297	18 458	6 974	4 073	7 430	79 248	500 090
108-119	10 881	5 293	64 044	1 792	20 393	118 438	10	32 254	529	19 996	14 679	5 895	2 163	4 610	68 131	369 108
120-131	6 485	3 177	41 264	1 569	16 406	89 522	6	23 962	429	12 380	10 936	4 572	1 156	2 840	55 948	270 652
132-143	3 738	2 015	26 129	1 310	14 245	68 345	5	17 639	334	7 327	7 842	3 880	717	1 824	43 847	199 197
144-155	2 138	1 582	17 231	1 094	13 744	51 580	2	14 349	242	4 054	5 754	3 820	417	1 240	42 347	159 594
> 155	3 837	2 168	26 591	2 427	61 685	110 056	3	38 527	461	4 256	9 641	18 773	772	1 988	20 641	301 826
> 95	0	0	0	0	0	0	205 731	0	0	5 845	0	0	0	0	0	211 576
Unknown	14 177	252	682	0	837	20 605	3	166	0	9	121	0	63	1 276	7 778	45 969
Total	367 242	233 155	1 720 438	33 782	368 159	2 414 004	782 513	676 563	13 858	481 878	224 925	98 079	110 047	181 819	907 606	8 614 068

	CZ	EE	LV	LT	HU	MT	PL	RO	SI	SK	EU 12
< 24	60	26	47	28	35	87	26	85	44	15	453
24-29	5 533	794	374	783	1 755	326	6 219	320	1 157	1 465	18 726
30-35	16 691	2 897	3 434	9 998	6 562	599	56 114	10 088	3 644	5 965	115 992
36-47	28 518	5 386	6 171	10 594	15 542	504	71 209	18 380	4 722	10 010	171 036
48-59	27 404	5 741	6 077	10 035	15 819	334	64 211	12 551	3 861	9 380	155 413
60-71	23 702	5 243	5 786	10 164	13 065	341	61 693	10 774	3 522	8 214	142 504
72-83	18 192	4 296	5 322	8 979	10 005	17	59 186	10 245	3 086	6 333	125 661
84-95	13 029	3 192	4 743	9 502	7 369	0	47 596	11 328	2 808	4 451	104 018
96-107	8 900	2 192	3 687	11 624	6 712	0	39 868	11 800	2 337	3 202	90 322
108-119	5 527	1 315	3 267	7 859	2 832	0	42 112	10 316	1 826	2 219	77 273
120-131	3 744	994	2 815	8 257	2 128	0	42 613	11 014	1 293	1 622	74 480
132-143	2 278	590	1 922	3 386	1 318	0	38 545	7 721	862	1 020	57 642
144-155	1 554	359	1 425	1 559	1 001	0	30 984	6 145	759	582	44 368
> 155	2 137	404	2 530	705	1 849	0	49 925	10 449	1 160	722	69 881
> 95	0	0	0	0	0	0	1 265	0	0	0	1 265
Unknown	0	6	0	0	0	0	0	0	33	0	39
Total	157 269	33 435	47 600	93 473	85 992	2 208	611 566	131 216	31 114	55 200	1 249 073

Table B22: Extrapolated age (months) distribution of tested risk animals in 2008

	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU 15
< 24	2 321	79	3 655	51	492	0	0	230	0	3 240	0	0	40	544	8	10 660
24-29	4 288	4 667	26 584	340	6 587	21 267	398	8 995	315	7 275	1 485	2 367	2 439	1 615	16 592	105 214
30-35	5 500	3 604	22 884	398	4 044	25 058	13 820	7 779	383	4 986	1 664	2 109	1 417	1 725	15 513	110 884
36-47	9 497	7 991	37 700	776	7 959	48 198	11 448	14 749	625	9 963	2 480	4 233	3 110	3 455	28 759	190 943
48-59	7 336	8 256	35 990	681	8 250	39 618	9 319	14 620	467	10 258	2 469	4 355	3 749	3 725	27 950	177 043
60-71	6 003	6 518	32 782	604	7 981	34 985	8 487	13 325	379	10 023	2 450	4 385	3 343	3 252	28 014	162 531
72-83	4 555	4 403	25 538	530	7 085	30 139	8 197	10 331	313	8 619	2 366	3 597	2 145	2 332	25 203	135 353
84-95	3 383	2 637	19 276	389	5 408	25 114	7 752	7 814	236	6 805	1 928	3 178	1 146	1 419	21 605	108 090
96-107	2 360	1 489	12 028	258	4 618	19 929	0	5 930	153	2 064	1 469	2 824	615	836	20 773	75 346
108-119	1 523	873	7 496	229	3 796	15 020	0	4 068	117	1 345	1 187	2 340	344	462	17 518	56 318
120-131	931	509	4 682	221	2 979	11 398	0	3 223	79	790	861	1 748	200	276	13 882	41 779
132-143	606	360	2 932	173	2 521	8 904	0	2 393	58	481	642	1 584	118	206	10 992	31 970
144-155	378	254	2 179	162	2 282	7 202	0	1 939	50	296	503	1 516	85	94	9 118	26 058
> 155	626	445	4 553	417	8 744	20 939	0	6 120	110	435	1 134	7 884	187	176	16 006	67 776
> 95	0	0	0	0	0	0	42 476	0	0	5 845	0	0	0	0	0	48 321
Unknown	795	243	239	0	683	8 073	0	12	0	0	117	0	41	733	7 554	18 490
Total	50 102	42 328	238 518	5 229	73 429	315 844	101 897	101 528	3 285	72 425	20 755	42 120	18 979	20 850	259 487	1 366 776

	CZ	EE	LV	LT	HU	MT	PL	RO	SI	SK	EU 12
< 24	54	22	36	10	23	19	4	85	37	14	304
24-29	5 532	750	308	685	1 702	1	6 216	320	1 148	1 430	18 092
30-35	3 471	649	268	470	1 172	30	3 942	304	845	1 367	12 518
36-47	6 701	1 241	439	857	2 656	24	7 181	470	1 300	2 488	23 357
48-59	6 583	1 260	412	716	2 622	12	6 614	395	1 226	2 313	22 153
60-71	5 862	1 142	339	582	2 093	8	6 588	302	1 270	2 023	20 209
72-83	4 284	866	238	410	1 676	0	5 792	253	1 068	1 494	16 081
84-95	2 985	569	209	688	1 143	0	4 271	221	814	1 021	11 921
96-107	2 049	338	179	896	728	0	3 140	246	715	696	8 987
108-119	1 240	30	108	856	403	0	2 882	155	455	434	6 563
120-131	798	120	92	328	317	0	2 604	181	282	325	5 047
132-143	532	64	46	534	145	0	2 154	96	182	184	3 937
144-155	365	30	42	800	121	0	1 534	104	121	111	3 228
> 155	603	36	77	73	290	0	2 003	135	236	155	3 608
> 95	0	0	0	0	0	0	36	0	0	0	36
Unknown	0	4	0	0	0	0	0	0	16	0	20
Total	41 059	7 121	2 793	7 905	15 091	94	54 961	3 267	9 715	14 055	156 061

Table B23: Extrapolated age (months) distribution of tested healthy slaughtered animals in 2008

	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU 15
< 24	206	90	4 002	47	693	0	0	45	0	340	0	0	18	213	0	5 654
24-29	405	41	436	90	23 853	1 418	6 054	364	0	474	0	0	178	338	10	33 661
30-35	20 205	18 665	172 656	2 200	11 334	254 176	210 180	43 782	2 198	27 709	18 208	2 958	9 811	25 276	71 682	891 040
36-47	60 521	41 015	281 912	3 972	24 361	432 884	145 500	88 432	2 333	69 707	28 900	5 975	19 624	34 068	84 046	1 323 250
48-59	66 094	43 954	259 547	4 054	30 106	282 130	47 471	92 096	1 496	75 279	26 335	6 052	20 318	31 147	73 363	1 059 442
60-71	53 706	32 644	215 725	3 938	28 848	239 646	38 253	84 578	1 005	65 730	25 728	5 497	16 168	23 921	71 458	906 845
72-83	38 541	21 676	173 177	3 155	26 758	201 435	35 613	66 958	839	54 302	22 900	4 938	10 781	16 969	66 516	744 558
84-95	25 317	13 041	130 955	2 365	22 480	165 818	34 059	50 769	633	43 004	20 577	4 499	6 398	10 612	58 748	589 275
96-107	15 695	7 895	88 485	1 742	19 939	133 630	0	38 864	482	28 233	16 989	4 147	3 458	6 594	58 431	424 584
108-119	9 355	4 420	56 508	1 563	16 586	103 416	0	28 186	412	18 651	13 492	3 550	1 819	4 148	50 586	312 692
120-131	5 554	2 668	36 550	1 348	13 420	78 123	0	20 739	349	11 590	10 075	2 819	956	2 564	42 052	228 807
132-143	3 132	1 655	23 179	1 137	11 722	59 434	0	15 246	276	6 846	7 200	2 293	599	1 618	32 837	167 174
144-155	1 759	1 328	15 044	932	11 458	44 373	0	12 410	192	3 758	5 251	2 300	332	1 146	33 135	133 418
> 155	3 210	1 723	22 010	2 010	52 938	89 117	0	32 407	351	3 821	8 507	10 816	585	1 812	4 561	233 868
> 95	0	0	0	0	0	0	163 169	0	0	0	0	0	0	0	0	163 169
Unknown	13 382	9	442	0	154	12 530	0	154	0	0	4	0	22	538	224	27 459
Total	317 082	190 824	1 480 628	28 553	294 650	2 098 130	680 299	575 030	10 566	409 444	204 166	55 844	91 067	160 964	647 649	7 244 896

	CZ	EE	LV	LT	HU	MT	PL	RO	SI	SK	EU 12
< 24	3	4	11	18	8	68	11	0	0	0	123
24-29	1	44	66	98	52	325	1	0	9	35	631
30-35	13 220	2 248	3 166	9 528	5 389	569	52 172	9 783	2 798	4 598	103 471
36-47	21 817	4 145	5 732	9 737	12 885	480	64 028	17 909	3 422	7 522	147 677
48-59	20 821	4 481	5 665	9 319	13 197	322	57 596	12 156	2 634	7 067	133 258
60-71	17 840	4 101	5 446	9 582	10 971	333	55 101	10 472	2 252	6 191	122 289
72-83	13 908	3 430	5 084	8 569	8 329	17	53 392	9 992	2 016	4 839	109 576
84-95	10 044	2 623	4 534	8 814	6 225	0	43 323	11 107	1 994	3 430	92 094
96-107	6 851	1 854	3 508	10 728	5 984	0	36 728	11 554	1 621	2 506	81 334
108-119	4 275	1 285	3 159	7 003	2 429	0	39 230	10 161	1 371	1 785	70 698
120-131	2 935	874	2 723	7 929	1 810	0	40 009	10 833	1 011	1 297	69 421
132-143	1 746	526	1 876	2 852	1 173	0	36 391	7 625	680	836	53 705
144-155	1 189	329	1 383	759	880	0	29 450	6 041	638	471	41 140
> 155	1 534	368	2 453	632	1 559	0	47 922	10 314	924	567	66 273
> 95	0	0	0	0	0	0	1 229	0	0	0	1 229
Unknown	0	2	0	0	0	0	0	0	17	0	19
Total	116 184	26 314	44 806	85 568	70 891	2 114	556 583	127 947	21 387	41 144	1 092 938

Table B24: Extrapolated age (months) distribution of tested BSE suspects in 2008

	BE	DK	DE	ES	FR	IE	IT	LU	NL	AT	PT	FI	UK	EU 15
< 24	6	0	6	0	0	5	2	0	0	0	0	0	2	21
24-29	10	0	154	0	1	1	1	0	0	0	0	0	2	169
30-35	3	1	130	0	1	1	0	1	0	0	0	0	0	137
36-47	3	2	224	0	4	8	0	2	0	2	1	0	2	248
48-59	12	0	199	0	0	6	1	2	0	0	0	1	5	226
60-71	6	0	165	1	1	14	1	1	0	1	0	0	4	194
72-83	6	0	114	1	0	7	0	0	0	1	3	0	5	137
84-95	2	0	83	0	0	10	0	0	0	0	2	0	8	105
96-107	5	0	72	1	2	9	0	0	0	0	0	0	2	91
108-119	3	0	36	1	1	10	0	0	0	0	2	0	1	54
120-131	0	0	32	1	0	6	0	1	0	0	0	0	3	43
132-143	0	0	18	0	0	5	0	0	0	0	0	0	4	27
144-155	1	0	8	0	1	2	0	0	0	0	0	0	3	15
> 155	1	0	28	1	0	3	0	0	0	0	1	0	2	36
> 95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	1	0	1	3	0	0	9	0	0	0	0	14
Total	58	3	###	6	12	90	5	7	9	4	9	1	43	1 517

	CZ	LV	LT	HU	PL	RO	SI	EU 12
< 24	0	0	0	4	11	0	7	22
24-29	0	0	0	1	2	0	0	3
30-35	0	0	0	1	0	1	1	3
36-47	0	0	0	1	0	1	0	2
48-59	0	0	0	0	1	0	1	2
60-71	0	1	0	1	4	0	0	6
72-83	0	0	0	0	2	0	2	4
84-95	0	0	0	1	2	0	0	3
96-107	0	0	0	0	0	0	1	1
108-119	0	0	0	0	0	0	0	0
120-131	0	0	0	1	0	0	0	1
132-143	0	0	0	0	0	0	0	0
144-155	0	0	0	0	0	0	0	0
> 155	0	0	0	0	0	0	0	0
> 95	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0
Total	0	1	0	10	22	2	12	47

Table B25: Extrapolated age (months) distribution of tested animals culled in the framework of BSE eradication

	DE	ES	FR	IE	PT	SK	UK	EU 27
< 24	0	9	0	1	0	1	8	19
24-29	0	22	0	30	1	0	0	53
30-35	0	0	0	20	1	0	0	21
36-47	0	0	0	17	3	0	0	20
48-59	0	0	0	29	1	0	48	78
60-71	1	7	0	20	1	0	66	95
72-83	1	4	0	20	1	0	27	53
84-95	1	1	2	4	8	0	22	38
96-107	15	7	2	0	3	0	42	69
108-119	4	10	1	0	3	0	26	44
120-131	0	6	1	0	5	0	11	23
132-143	0	2	7	0	3	0	14	26
144-155	0	4	4	0	4	0	91	103
> 155	0	2	0	0	72	0	72	146
> 95	0	0	0	86	0	0	0	86
Unknown	0	0	1	0	0	0	0	1
Total	22	74	18	227	106	1	427	875

Chart B19: Extrapolated age distribution of cattle tested in different target groups in the EU in 2008

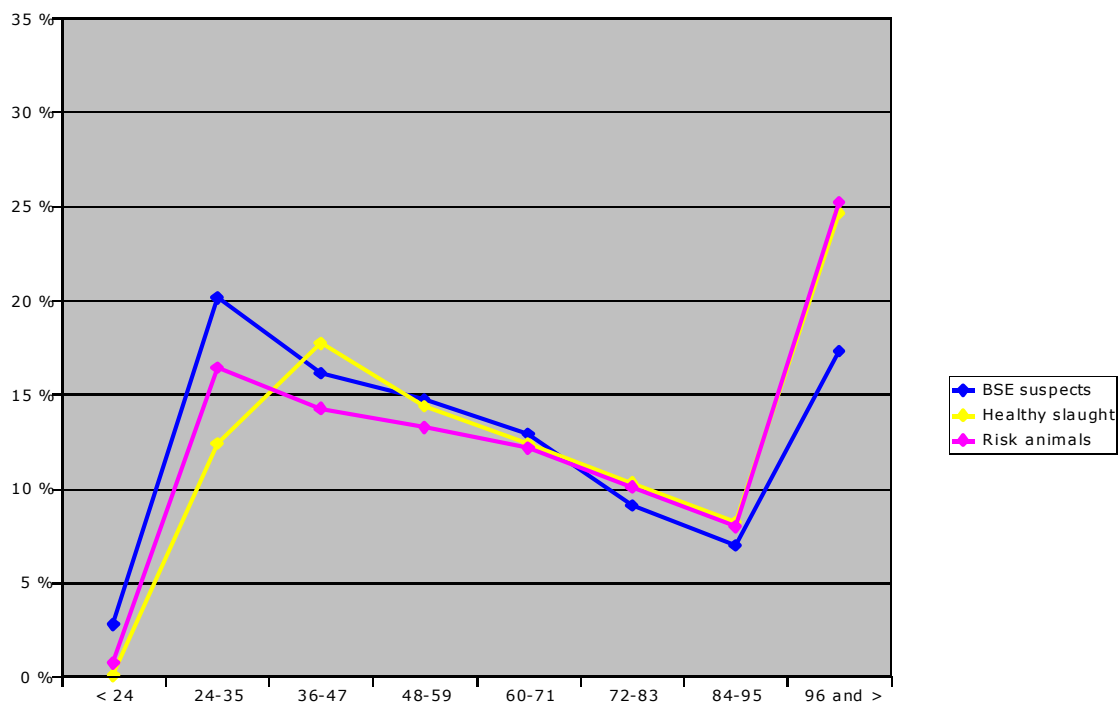


Chart B20: Extrapolated age (months) distribution in risk animals tested in some Member States in 2008

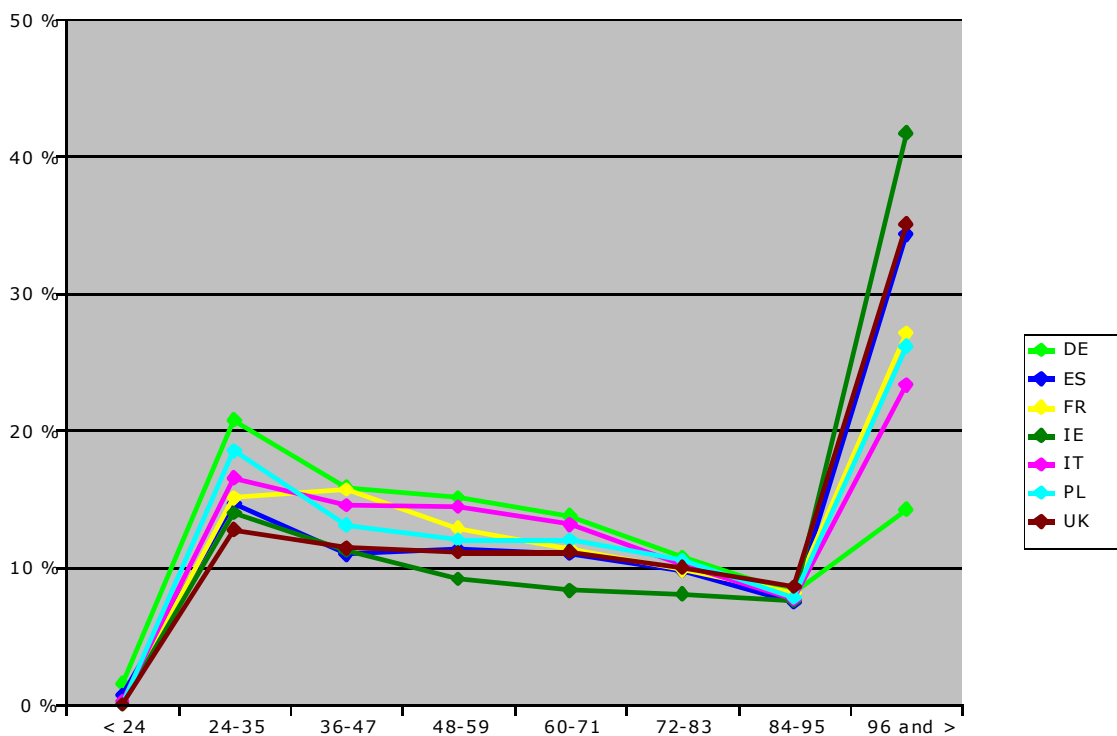


Chart B21: Extrapolated age (months) distribution in healthy slaughtered animals tested in some Member States in 2008

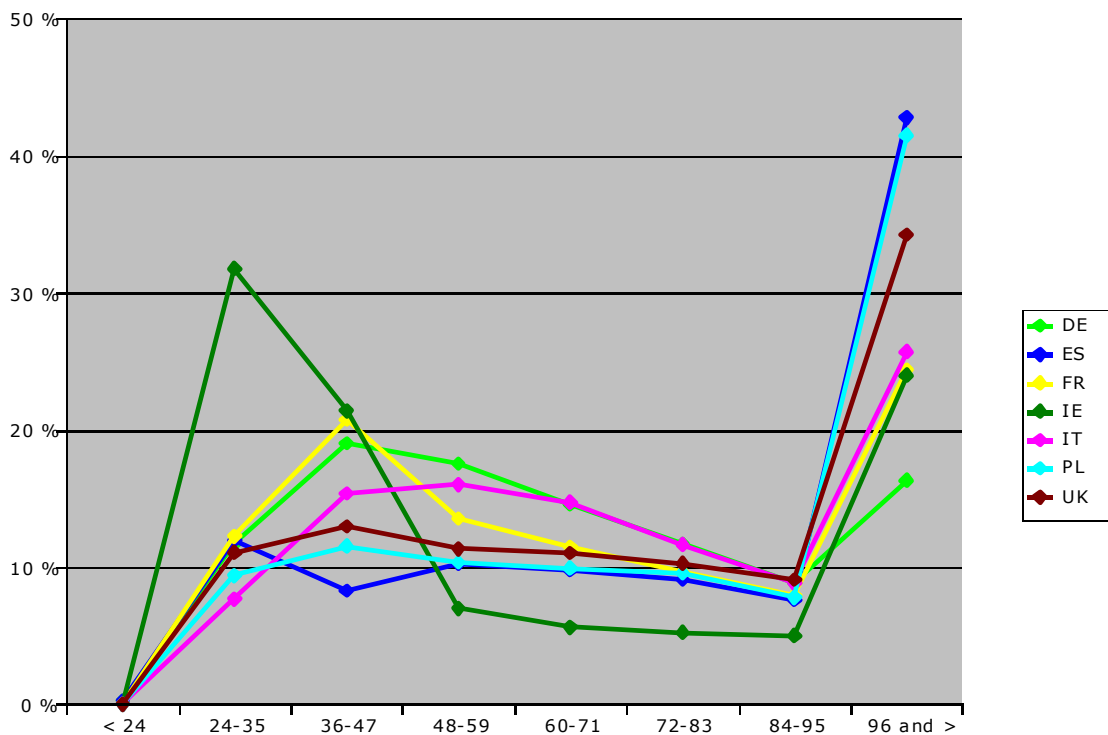


Chart B22: Prevalence of BSE per target group in cattle of different age in the EU in 2008 (positive per 10.000 tests)

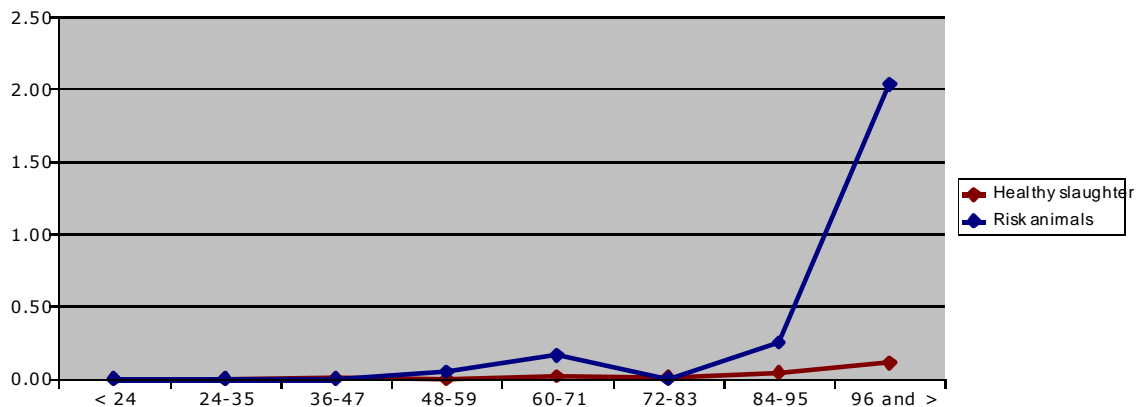


Chart B23: Prevalence of BSE per target group in cattle of different age in the EU from 2001 to 2008 (positive per 10.000 tests)

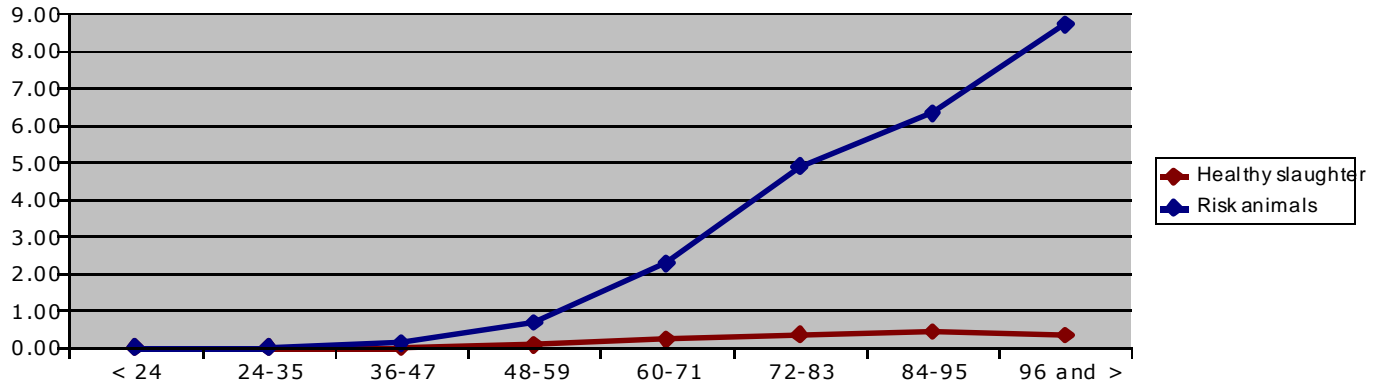


Table B26: Prevalence (ratio of positive cases per 10.000 animals tested) of different age groups (months) in 2008: total population

EU 15	DE	ES	FR	IE	IT	NL	PT	UK	EU 15
< 24	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
24-35	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
36-47	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
48-59	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,10	0,01
60-71	0,00	0,27	0,00	0,43	0,00	0,00	0,00	0,20	0,06
72-83	0,00	0,30	0,00	0,23	0,00	0,00	0,00	0,22	0,05
84-95	0,07	1,43	0,05	0,00	0,00	0,00	0,00	0,00	0,10
96-107	0,10	0,81	0,07	0,00	0,00	0,33	1,43	0,25	0,18
108-119	0,00	2,45	0,00	0,00	0,00	0,00	1,70	0,29	0,24
120-131	0,00	3,05	0,00	0,00	0,00	0,00	8,75	0,36	0,45
132-143	0,00	0,70	0,15	0,00	0,00	0,00	5,15	0,91	0,44
144-155	0,00	2,18	0,39	5.000,00	0,70	0,00	7,85	1,65	1,16
> 155	0,00	0,49	0,27	0,00	0,00	0,00	3,73	9,20	1,14
> 95	0,00		0,00	0,87	0,00	0,00	0,00	0,00	0,85

EU 12	PL	SK
< 24	0,00	0,00
24-35	0,00	0,00
36-47	0,14	0,00
48-59	0,00	0,00
60-71	0,16	0,00
72-83	0,00	1,58
84-95	0,00	0,00
96-107	0,25	0,00
108-119	0,47	0,00
120-131	0,00	0,00
132-143	0,00	0,00
144-155	0,00	0,00
> 155	0,00	0,00
> 95	0,00	0,00

Table B27: Prevalence (ratio of positive cases per 10000 animals tested) of different age groups (months) in 2008: risk animals

EU-15	DE	ES	FR	IE	NL	PT	UK	EU 15
< 24	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
24-35	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
36-47	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
48-59	0,00	0,00	0,00	0,00	0,00	0,00	0,36	0,07
60-71	0,00	1,25	0,00	1,18	0,00	0,00	0,36	0,24
72-83	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
84-95	0,00	3,70	0,40	0,00	0,00	0,00	0,00	0,34
96-107	0,83	4,33	0,50	0,00	4,84	0,00	0,48	0,96
108-119	0,00	5,27	0,00	0,00	0,00	4,27	1,14	1,05
120-131	0,00	6,71	0,00	0,00	0,00	17,16	0,72	1,69
132-143	0,00	3,97	1,12	0,00	0,00	12,63	3,64	2,92
144-155	0,00	13,15	2,78	0,00	0,00	0,00	5,48	4,43
> 155	0,00	2,29	0,96	0,00	0,00	6,34	10,62	4,44
> 95	0,00		0,00	3,30	0,00	0,00	0,00	2,90

EU 12	PL
< 24	0,00
24-35	0,00
36-47	0,00
48-59	0,00
60-71	0,00
72-83	0,00
84-95	0,00
96-107	3,18
108-119	3,47
120-131	0,00
132-143	0,00
144-155	0,00
> 155	0,00
> 95	0,00

Table B28: Prevalence (ratio of positive cases per 10000 animals tested) of different age groups (months) in 2008: healthy slaughtered animals

EU 15	DE	ES	FR	IE	IT	PT	UK	EU-15
< 24	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
24-35	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
36-47	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
48-59	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
60-71	0,00	0,00	0,00	0,00	0,00	0,00	0,14	0,01
72-83	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
84-95	0,08	0,89	0,00	0,00	0,00	0,00	0,00	0,06
96-107	0,00	0,00	0,00	0,00	0,00	2,41	0,17	0,06
108-119	0,00	1,21	0,00	0,00	0,00	0,00	0,00	0,08
120-131	0,00	2,24	0,00	0,00	0,00	3,55	0,24	0,26
132-143	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
144-155	0,00	0,00	0,00	0,00	0,81	13,04	0,60	0,51
> 155	0,00	0,00	0,11	0,00	0,00	1,85	2,19	0,19
> 95	0,00	0,00	0,00	0,18	0,00	0,00	0,00	0,18

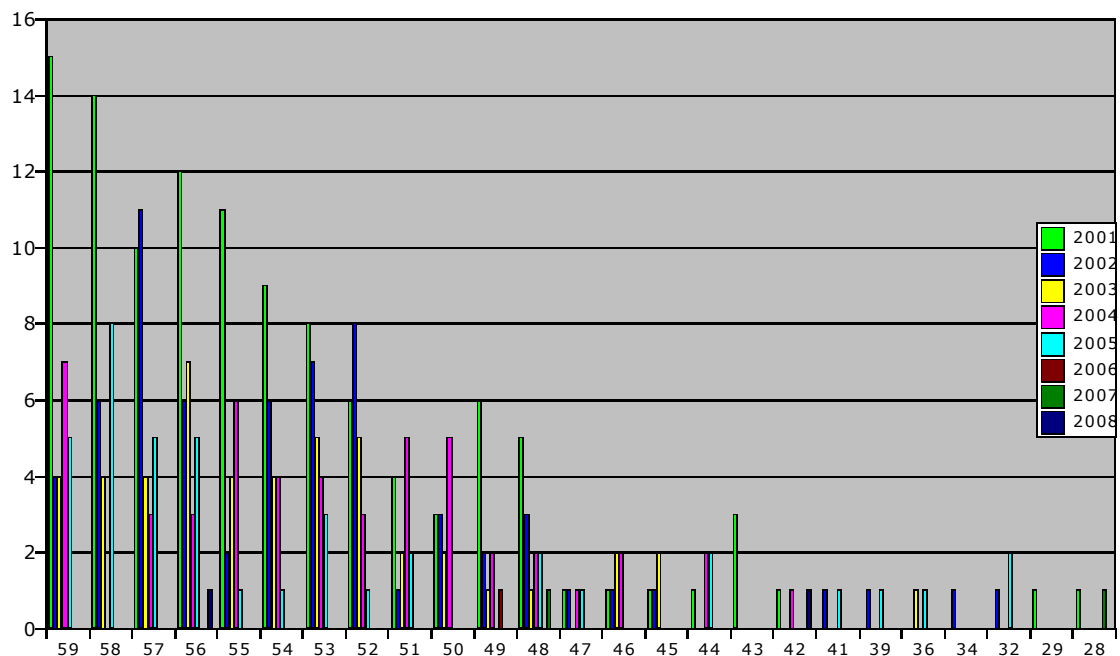
EU 12	PL	SK
< 24	0,00	0,00
24-35	0,00	0,00
36-47	0,16	0,00
48-59	0,00	0,00
60-71	0,18	0,00
72-83	0,00	2,07
84-95	0,00	0,00
96-107	0,00	0,00
108-119	0,25	0,00
120-131	0,00	0,00
132-143	0,00	0,00
144-155	0,00	0,00
> 155	0,00	0,00
> 95	0,00	0,00

Table B29: Prevalence (ratio of positive cases per 10000 animals tested) of different age groups (months) in 2008: BSE suspects

	ES	IE	UK	EU 15
< 24		0,00	0,00	0,00
24-35		0,00	0,00	0,00
36-47	0,00	0,00	0,00	0,00
48-59	0,00	0,00	0,00	0,00
60-71	0,00	0,00	0,00	0,00
72-83	10.000,00	1.428,57	2.000,00	2.307,69
84-95		0,00	0,00	0,00
96-107	0,00	0,00	0,00	0,00
108-119	10.000,00	0,00	0,00	833,33
120-131	0,00	0,00	0,00	0,00
132-143		0,00	0,00	0,00
144-155		5.000,00	0,00	2.000,00
> 155	10.000,00	0,00	5.000,00	3.333,33
> 95		0,00	0,00	0,00

4.7. BSE in young animals

Chart B24: Number of positive BSE cases below 60 months of age in the EU from 2001 to 2008



	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	39	36	34	32	29	28
2001	15	14	10	12	11	9	8	6	4	3	6	5	1	1	1	1	3	1						1	1
2002	4	6	11	6	2	6	7	8	1	3	2	3	1	1	1				1	1			1	1	
2003	4	4	4	7	4	4	5	5	2	2	1	1		2	2						1				
2004	7		3	3	6	4	4	3	5	5	2	2	1	2		2		1							
2005	5	8	5	5	1	1	3	1	2			2	1			2			1	1	1		2		
2006											1														
2007												1													1
2008				1														1							

Chart B25: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2008 and born in 1996

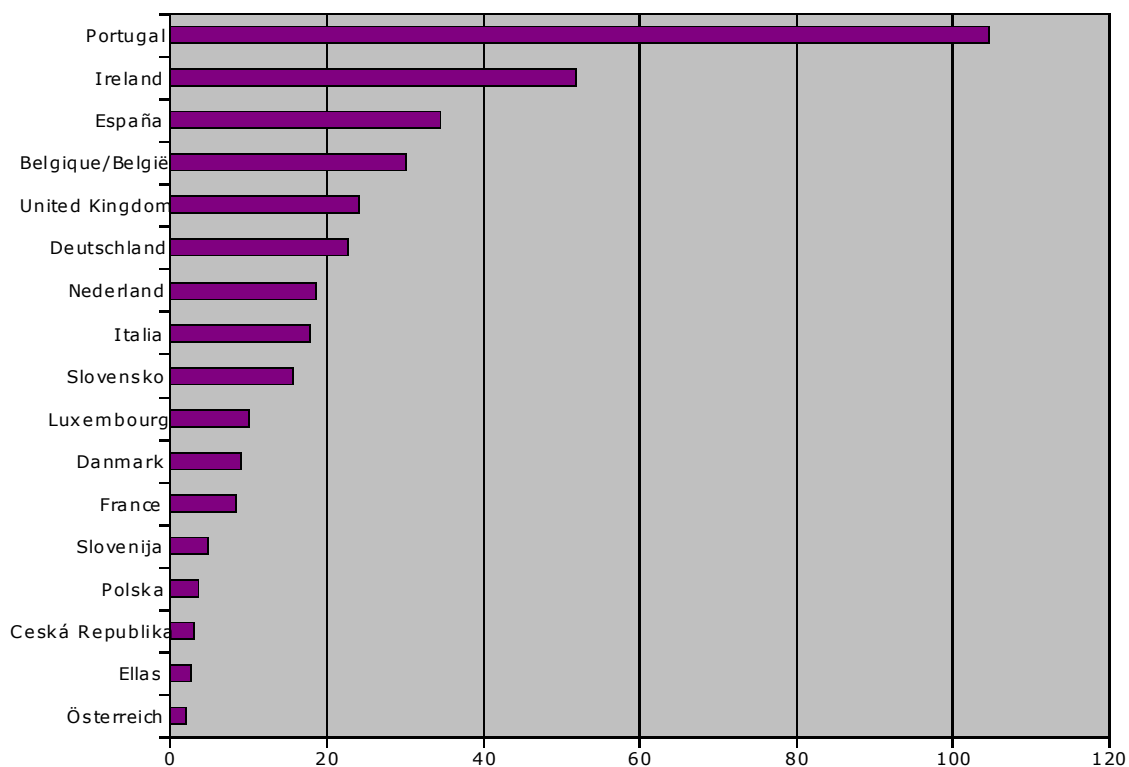


Chart B26: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2008 and born in 1997

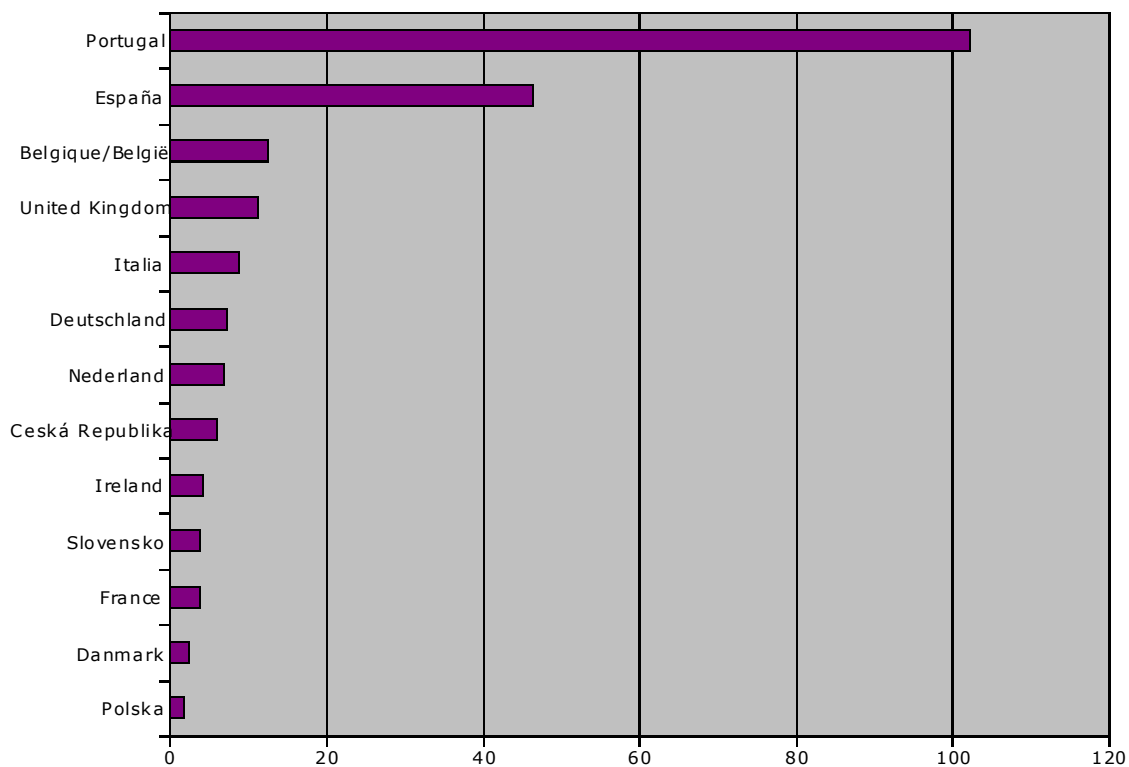


Chart B27: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2008 and born in 1998

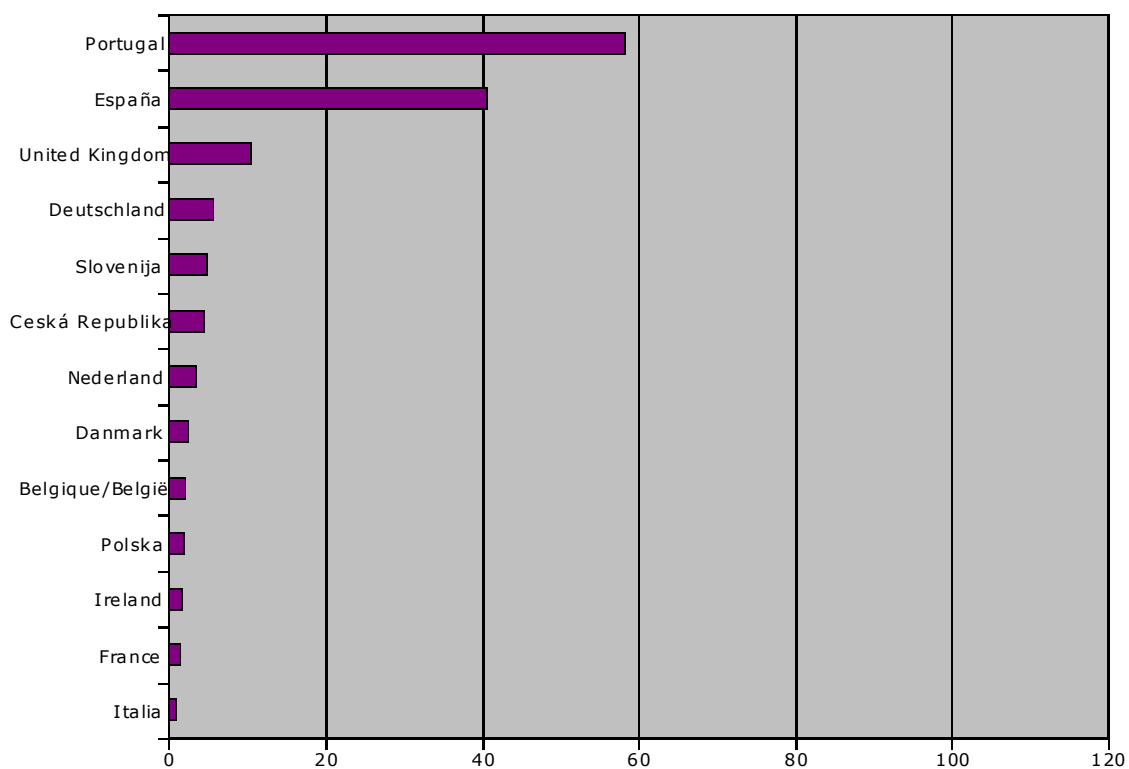


Chart B28: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2008 and born in 1999

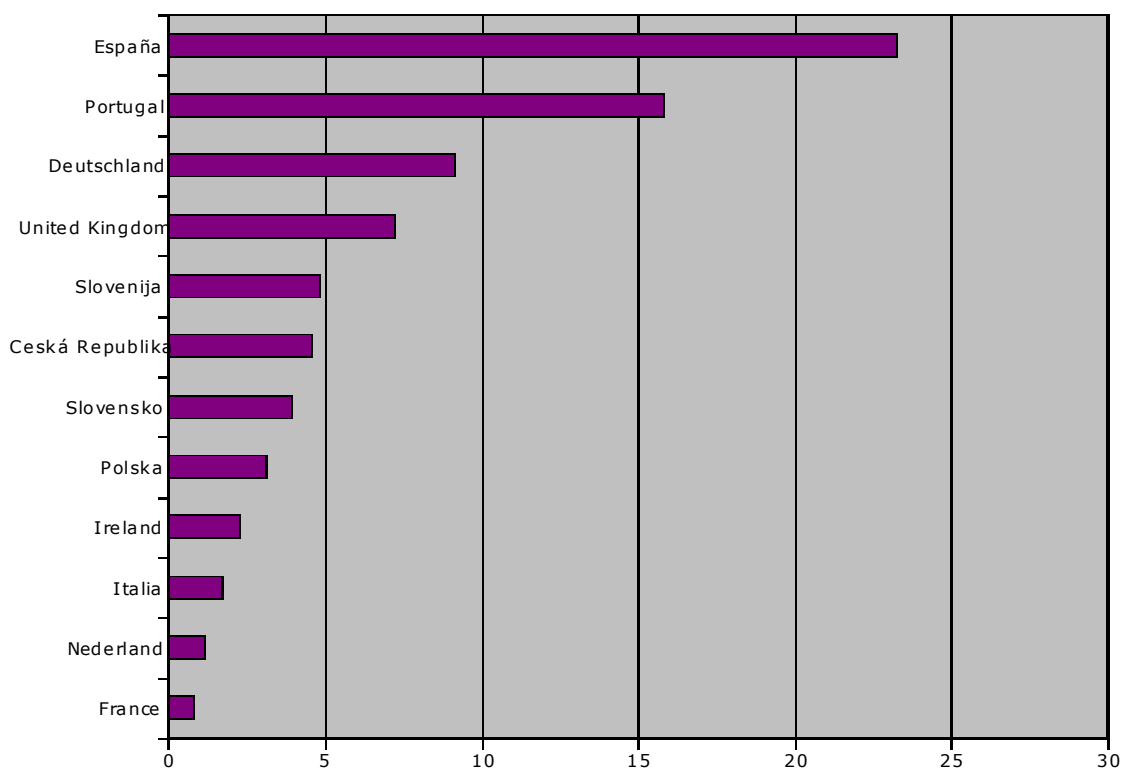


Chart B29: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2008 and born in 2000

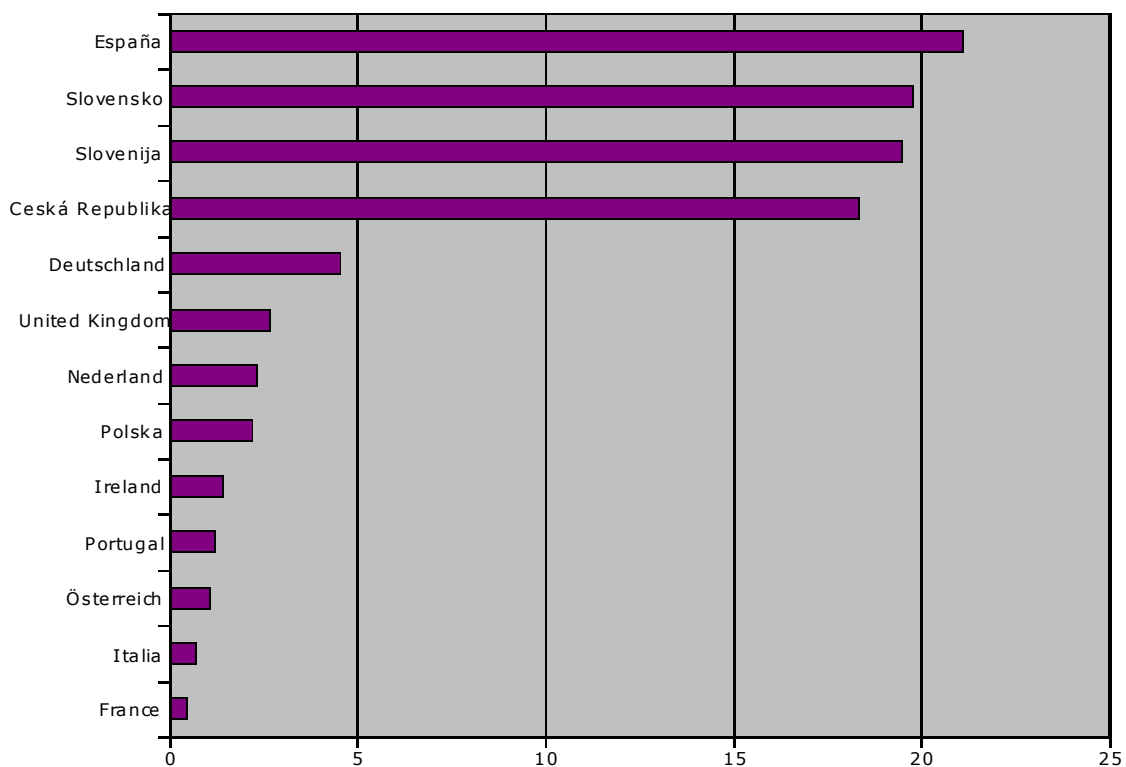


Chart B30: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2008 and born in 2001

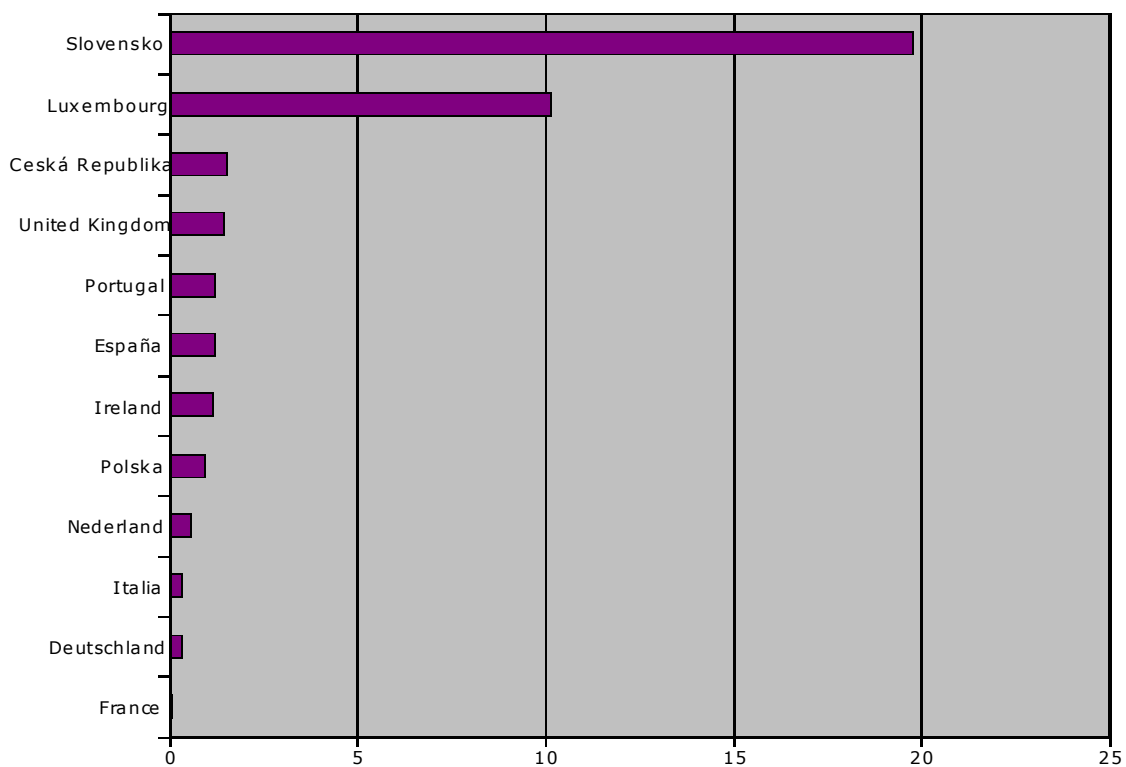


Table B30: Age (months) and year of birth distribution in BSE cases born in 1996 or later reported in the period 2001-2008

	24-29	30-35	36-47	48-59	60-71	72-83	84-95	96-107	108-119	120-131
1996				66	271	252	143	56	33	24
1997			6	67	133	121	75	26	17	9
1998	2		3	49	99	75	42	28	13	4
1999		2	7	46	56	56	32	12	7	
2000			6	47	53	32	13	5		
2001			6	7	10	5	3			
2002		2	2	1	5	2				
2003				2	4					
2004	1									
2005			1							

Table B31: Details on BSE positive cases < 60 months detected in 2008 in the EU

Age (Months)	Target Group	Member State	Date of Birth
42	Healthy slaughtered animals	Polska	03/2005
56	Fallen stock	United Kingdom	08/2003

Table B32: Details on BSE positive cases in animals born after 31/12/2000 detected in the EU from 2001 to 2008

Born in 2001				
Age (months)	Target Group	Member State	Year of detection	Date of birth
39	Emergency slaughter	United Kingdom	2005	10/2001
42	Healthy slaughtered animals	Slovensko	2004	2/2001
44	Eradication Measures	United Kingdom	2005	9/2001
44	Fallen stock	Ireland	2005	9/2001
44	Healthy slaughtered animals	Slovensko	2004	1/2001
47	Fallen stock	Deutschland	2005	5/2001
48	Healthy slaughtered animals	Luxembourg	2005	11/2001
48	Healthy slaughtered animals	Polska	2005	6/2001
51	Healthy slaughtered animals	Deutschland	2005	3/2001
52	Fallen stock	Ireland	2005	3/2001
57	Eradication Measures	Ceská Republika	2005	2/2001
58	Clinical signs at AM	Nederland	2005	2/2001
58	Healthy slaughtered animals	Polska	2005	1/2001
60	Healthy slaughtered animals	France	2006	01/2001
60	Healthy slaughtered animals	Polska	2006	01/2001
61	Clinical signs at AM	Italia	2006	01/2001
61	Fallen stock	United Kingdom	2006	01/2001
62	Fallen stock	United Kingdom	2006	01/2001
62	Fallen stock	United Kingdom	2006	03/2001
64	Fallen stock	España	2006	01/2001
66	Fallen stock	United Kingdom	2006	06/2001
66	Suspects subject to laboratory examination	Ireland	2006	03/2001
71	Fallen stock	United Kingdom	2007	04/2001
78	Healthy slaughtered animals	Slovensko	2007	03/2001
79	Suspects subject to laboratory examination	Ireland	2008	11/2001
80	Healthy slaughtered animals	Slovensko	2007	03/2001
81	Healthy slaughtered animals	Slovensko	2008	10/2001
82	Suspects subject to laboratory examination	Portugal	2007	02/2001
85	Healthy slaughtered animals	España	2008	01/2001
85	Suspects subject to laboratory examination	España	2008	05/2001
86	Fallen stock	España	2008	09/2001

Born in 2002				
Age (months)	Target Group	Member State	Year of detection	Date of birth
32	Fallen stock	Portugal	2005	10/2002
32	Healthy slaughtered animals	Polska	2005	6/2002
36	Eradication Measures	United Kingdom	2005	5/2002
41	Fallen stock	España	2005	1/2002
49	Healthy slaughtered animals	United Kingdom	2006	08/2002
63	Fallen stock	United Kingdom	2008	10/2002
65	Fallen stock	Ireland	2007	05/2002
67	Fallen stock	United Kingdom	2007	04/2002
67	Fallen stock	United Kingdom	2007	05/2002
71	Fallen stock	España	2008	07/2002
74	Suspects subject to laboratory examination	United Kingdom	2008	07/2002
78	Eradication Measures	United Kingdom	2008	05/2002

Born in 2003				
Age (months)	Target Group	Member State	Year of detection	Date of birth
48	Healthy slaughtered animals	Polska	2007	05/2003
56	Fallen stock	United Kingdom	2008	08/2003
66	Fallen stock	Ireland	2008	03/2003
66	Healthy slaughtered animals	Polska	2008	06/2003
66	Healthy slaughtered animals	United Kingdom	2008	01/2003
68	Eradication Measures	Ireland	2008	02/2003

Born in 2004				
Age (months)	Target Group	Member State	Year of detection	Date of birth
28	Healthy slaughtered animals	Polska	2007	12/2004

Born in 2005				
Age (months)	Target Group	Member State	Year of detection	Date of birth
42	Healthy slaughtered animals	Polska	2008	03/2005

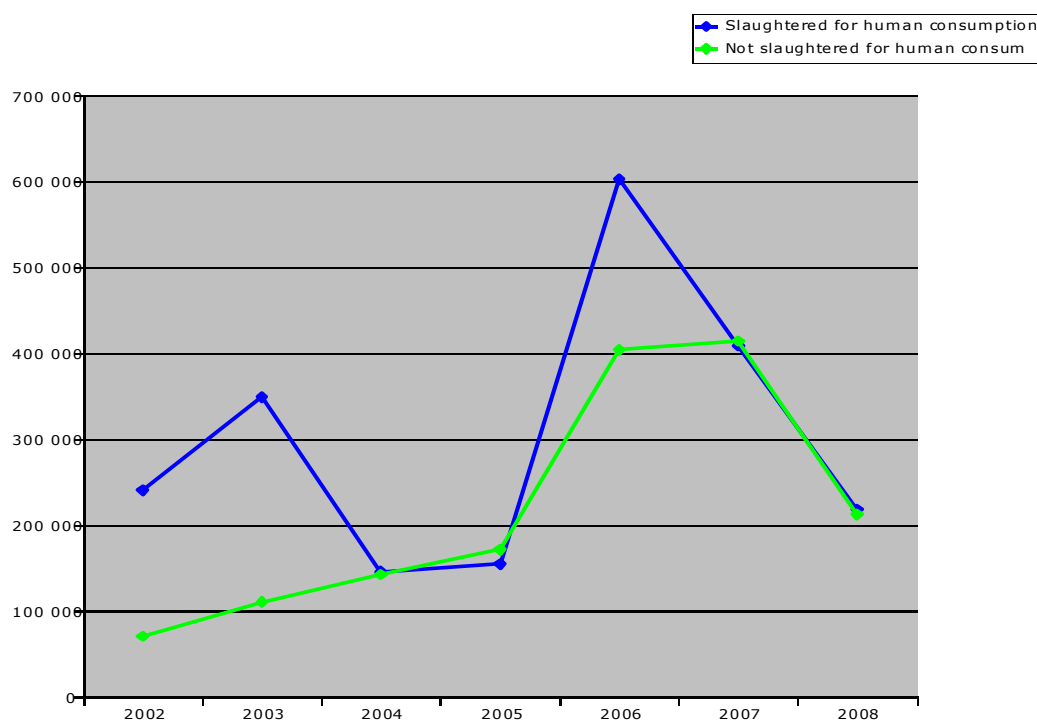
5. SUMMARY OF TSE TESTING IN OVINE AND CAPRINE ANIMALS DURING 2008

The information is extracted directly from the monthly reports electronically submitted by the Member States in 2008 and the information available since 2002. The monthly information is often updated and/or corrected by the Member States in subsequent reports. The information shown in the following summaries is updated according to the information received up to 29 October 2009. In 2008, Cyprus did not submit electronic reports as regards details on positive cases detected in small ruminants (i.e. age distribution of cases, type of cases, genotyping results and number of discriminatory tests performed).

5.1. Sampling

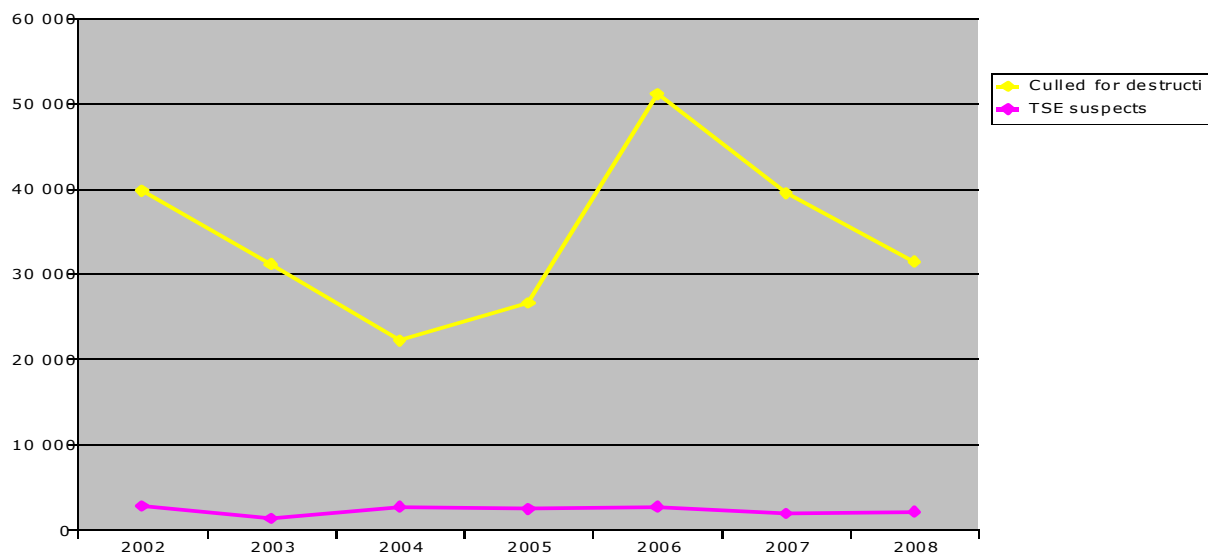
The total number of samples and the number of samples per target group and per Member State can be found in the following tables and charts

Chart SR1: Evolution of TSE testing in sheep in the EU 27 from 2002 to 2008



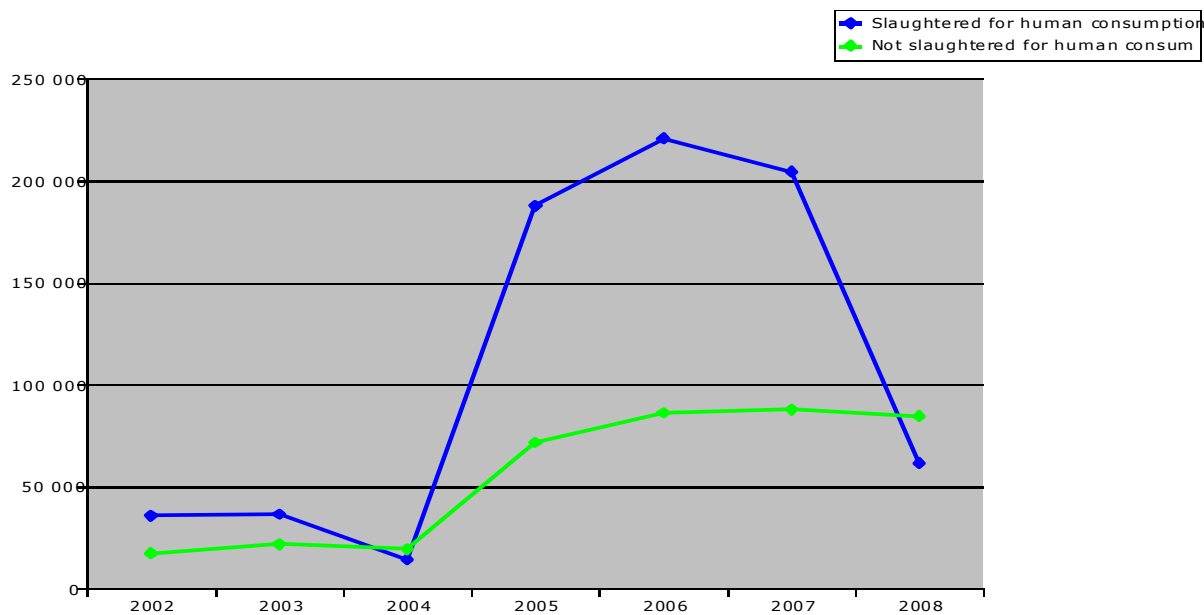
	2002	2003	2004	2005	2006	2007	2008
Slaughtered for human consumption	240 785	349 071	146 163	155 104	602 656	409 278	218 930
Not slaughtered for human consumption	70 823	110 810	142 746	171 878	404 136	414 680	212 828

Chart SR2: Evolution of TSE testing in sheep in the EU 27 from 2002 to 2008



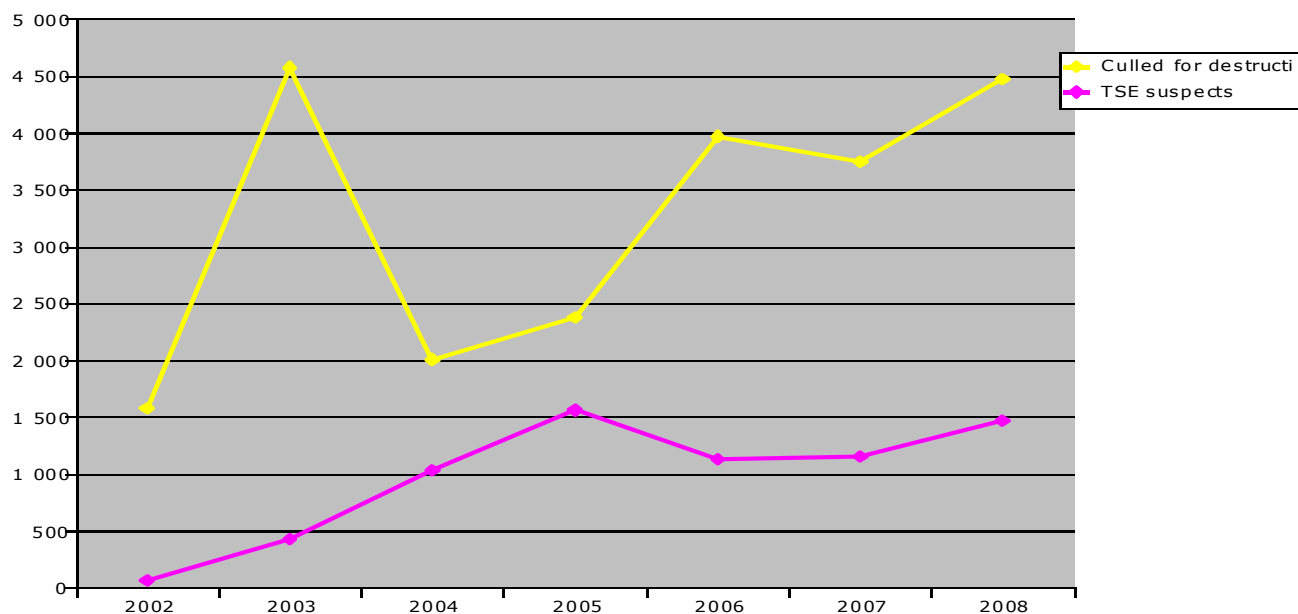
	2002	2003	2004	2005	2006	2007	2008
Culled for destruction	39 755	31 130	22 197	26 606	51 072	39 469	31 443
TSE suspects	2 753	1 294	2 667	2 424	2 657	1 915	2 075

Chart SR3: Evolution of TSE testing in goats in the EU 27 from 2002 to 2008



	2002	2003	2004	2005	2006	2007	2008
Slaughtered for human consumption	35 732	36 598	14 301	187 541	220 640	204 382	61 578
Not slaughtered for human consumption	17 450	21 803	19 463	71 691	86 150	87 838	84 515

Chart SR4: Evolution of TSE testing in goats in the EU 27 from 2002 to 2008



	2002	2003	2004	2005	2006	2007	2008
Culled for destruction	1 502	4 552	1 996	1 907	3 201	3 239	4 298
TSE suspects	57	422	923	1 502	1 067	1 128	1 449

Comments on sampling

Overall, the number of samples in small ruminants decreased quite significantly in 2008 compared to 2007 as a consequence of the implementation since July 2007 of Regulation (EC) No 727/2007, amending the TSE Regulation, which amended the requirements for the TSE monitoring programmes for small ruminants. The number of tests carried out in the framework of passive surveillance (official TSE suspects) remained stable in relation to 2007 and previous years. The important contribution of France in the total number of tests carried out (in particular in goats) must be noticed.

5.2. Positive cases

Table SR1: Total TSE positive cases detected in ovine and caprine animals detected in 2008

	Sheep		Goats	
	Animals tested	Positives	Animals tested	Positives
Belgique/België	3 221	0	365	0
Bulgaria	15 355	3	1 813	0
Ceská Republika	994	16	327	0
Danmark	6 950	2	1 838	0
Deutschland	27 451	7	3 627	0
Eesti	745	0	11	0
Ellas	18 664	622	7 652	67
España	32 810	236	21 488	9
France	100 213	128	79 152	22
Ireland	23 068	20	132	0
Italia	36 236	156	14 738	2
Kypros	8 835	539	5 496	1 094
Latvija	64	0	10	0
Lietuva	3 225	0	131	0
Luxembourg	425	0	360	0
Magyarország	14 529	9	288	0
Malta	72	0	48	0
Nederland	20 729	23	647	0
Österreich	5 938	0	1 829	0
Polska	7 647	0	1 011	0
Portugal	86 961	92	8 567	2
Romania	16 432	29	928	0
Slovenija	2 004	1	488	0
Slovensko	2 566	27	12	0
Suomi/Finland	1 164	0	274	0
Sverige	3 840	0	55	0
United Kingdom	25 138	26	750	18
EU 27	465 276	1 936	152 037	1 214
Norway	13 336	7	356	0
Others	13 336	7	356	0

Table SR2: Information on index cases in 2008

	Sheep			Goats		
	Positives			Positives		
	Reported as Index cases	Reported as not index cases	Reported as unknown	Reported as Index cases	Reported as not index cases	Reported as unknown
Belgique/België	0	0	0	0	0	0
Bulgaria	4	0	0	0	0	0
Ceská Republika	0	0	16	0	0	0
Danmark	1	0	0	0	0	0
Deutschland	0	0	6	0	0	0
Eesti	0	0	0	0	0	0
Ellas	0	0	0	0	0	0
España	0	182	71	0	4	12
France	60	74	0	12	10	0
Ireland	8	10	0	0	0	0
Italia	53	101	0	1	1	0
Kypros	na	na	na	na	na	Na
Latvija	0	0	0	0	0	0
Lietuva	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Magyarország	8	1	0	0	0	0
Malta	0	0	0	0	0	0
Nederland	12	0	0	0	0	0
Österreich	0	0	0	0	0	0
Polska	0	0	0	0	0	0
Portugal	75	9	2	1	0	0
Romania	0	0	0	0	0	0
Slovenija	0	1	0	0	0	0
Slovensko	1	26	0	0	0	0
Suomi/Finland	0	0	0	0	0	0
Sverige	0	0	0	0	0	0
United Kingdom	0	0	28	0	0	22
EU 27	222	404	123	14	15	34
Norway	7	0	0	0	0	0
Others	7	0	0		0	0

Chart SR5: Distribution of TSE tests carried out and TSE cases detected in 2008

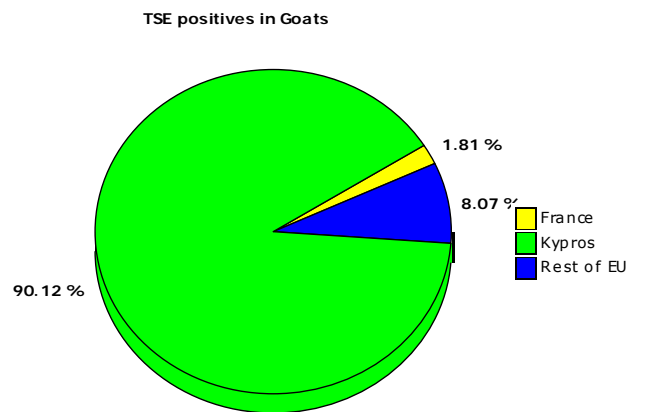
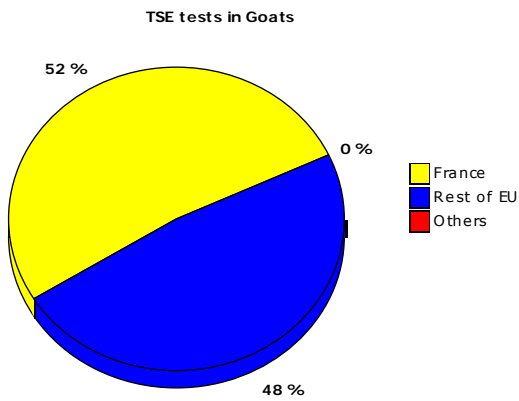
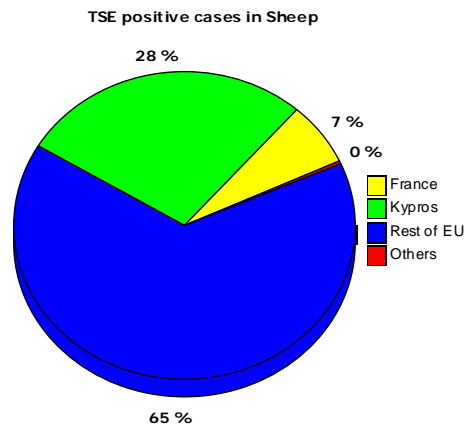
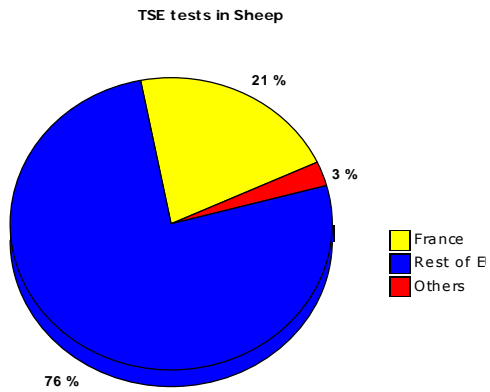


Table SR3: TSE Positives detected by active monitoring and passive surveillance (suspects) in ovine and caprine animals (except CY) in 2008

	Sheep				Goats			
	Population*	TSE	Positives	% detected	Population*	TSE	Positives	% detected
		Act. Mon.	Suspects	by active monit.		Act. Mon.	Suspects	by active monit.
Belgique/België		0	0			0	0	
Bulgaria	1 292 200	3	0	100 %	431 900	0	0	
Ceská Republika	166 000	16	0	100 %		0	0	
Danmark	76 000	2	0	100 %		0	0	
Deutschland	1 392 200	7	0	100 %		0	0	
Eesti	53 200	0	0		2 500	0	0	
Ellas	6 591 000	508	114	82 %	3 712 000	59	8	88 %
España	16 902 800	228	8	97 %	2 126 000	9	0	100 %
France	6 273 400	125	3	98 %	1 072 100	22	0	100 %
Ireland		14	6	70 %		0	0	
Italia	7 265 000	144	12	92 %	786 000	2	0	100 %
Latvija	31 700	0	0		8 600	0	0	
Lietuva	24 400	0	0		12 300	0	0	
Luxembourg	4 600	0	0			0	0	
Magyarország	977 000	9	0	100 %	40 000	0	0	
Malta	10 700	0	0		5 300	0	0	
Nederland	1 285 000	22	1	96 %		0	0	
Österreich	229 000	0	0		39 500	0	0	
Polska	210 800	0	0		93 600	0	0	
Portugal	2 189 800	92	0	100 %	362 800	2	0	100 %
Romania	7 207 000	23	6	79 %	713 500	0	0	
Slovenija	90 800	1	0	100 %	19 000	0	0	
Slovensko	276 300	14	13	52 %	35 400	0	0	
Suomi/Finland	56 400	0	0		4 500	0	0	
Sverige	247 200	0	0			0	0	
United Kingdom	14 872 900	25	1	96 %		2	16	11 %
EU 27	67 725 400	1 233	164	88 %	9 465 000	96	24	80 %
Norway		7	0	100 %		0	0	
Others		7	0	100 %		0	0	0 %

Table SR4: TSE cases in ovine and caprine animals slaughtered for human consumption in 2008

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio*			Total tests	Total TSE cases	Ratio*		
			2008	2007	2006			2008	2007	2006
Belgique/België				3,0	1,4				0,0	0,0
Bulgaria	13 316	3	2,3	0,0	0,0	1 270	0	0,0	0,0	0,0
Ceská Republika	5	0	0,0	6,2		2	0	0,0	0,0	
Danmark				0,0	2,7				0,0	0,0
Deutschland	10 858	2	1,8	1,5	1,9	1 351	0	0,0	0,0	0,0
Eesti	143	0	0,0	0,0		3	0	0,0	0,0	
Ellas	9 094	26	28,6	19,3	27,6	4 187	3	7,2	9,2	2,0
España	13 541	10	7,4	5,0	5,3	9 586	1	1,0	1,8	1,6
France	16 918	12	7,1	5,3	4,9	24 382	1	0,4	0,1	0,0
Ireland	11 687	3	2,6	1,1	2,3				0,0	0,0
Italia	20 315	14	6,9	6,4	6,3	10 168	1	1,0	0,5	4,2
Kypros	6 785	92	135,6	361,6		3 368	120	356,3	483,2	
Latvija				0,0					0,0	
Lietuva	2 923	0	0,0	0,0		120	0	0,0	0,0	
Luxembourg	248	0	0,0	0,0	0,0	293	0	0,0	0,0	0,0
Magyarország	5 948	2	3,4	5,6		63	0	0,0	0,0	
Malta	38	0	0,0	0,0		15	0	0,0	0,0	
Nederland	10 448	2	1,9	7,6	6,5	147	0	0,0	0,0	0,0
Österreich	16	0	0,0	0,0	0,0	0	0	0,0	0,0	0,0
Polska	4 858	0	0,0	0,0		31	0	0,0	0,0	
Portugal	65 994	71	10,8	8,8	9,7	5 996	1	1,7	0,0	0,0
Romania	14 512	10	6,9	3,1	3,0	590	0	0,0	0,0	0,0
Slovenija	15	0	0,0	92,9	0,0	3	0	0,0	0,0	0,0
Slovensko	158	0	0,0	11,2	16,4				0,0	0,0
Suomi/Finland				0,0	3,6				0,0	0,0
Sverige	9	0	0,0	2,7	7,9	3	0	0,0	0,0	0,0
United Kingdom	11 101	8	7,2	10,8	8,3				0,0	3,9
EU 27	218 930	255	11,6	12,0	11,4	61 578	127	20,6	12,9	9,5
EU 27-CY	212 145	163	7,7	6,0		58 210	7	1,2	0,5	
Norway	8 730	4	4,6	2,2	3,9	21	0	0,0	0,0	0,0
Others	8 730	4	4,6	2,2	3,9	21	0	0,0	0,0	0,0
EU 27-CY	8 730	4	4,6	2,2		21	0	0,0	0,0	

*: cases per 10 000 tests

Table SR5: TSE cases in ovine and caprine animals not slaughtered for human consumption (risk animals, mainly fallen stock)

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio*			Total tests	Total TSE cases	Ratio*		
			2008	2007	2006			2008	2007	2006
Belgique/België	3 156	0	0,0	4,2	7,1	353	0	0,0	0,0	0,0
Bulgaria	2 039	0	0,0	0,0	0,0	543	0	0,0	0,0	0,0
Ceská Republika	909	2	22,0	0,0		325	0	0,0	0,0	
Danmark					0,0				0,0	0,0
Deutschland	15 605	5	3,2	4,8	8,1	2 245	0	0,0	0,0	0,0
Eesti	602	0	0,0	0,0		8	0	0,0	0,0	
Ellas	4 538	48	105,8	245,2	394,8	2 106	5	23,7	49,6	42,9
España	15 290	83	54,3	9,8	8,4	11 729	5	4,3	7,7	1,7
France	74 399	56	7,5	8,2	10,5	53 782	11	2,0	0,7	2,3
Ireland	10 747	7	6,5	14,2	25,3	132	0	0,0	0,0	0,0
Italia	13 633	54	39,6	32,2	70,8	4 448	0	0,0	8,3	5,8
Kypros	729	85	1166,0	2258,1		738	251	3401,1	6733,5	
Latvija	64	0	0,0	0,0		10	0	0,0	0,0	
Lietuva	302	0	0,0	0,0		11	0	0,0	0,0	
Luxembourg	177	0	0,0	0,0	0,0	67	0	0,0	0,0	0,0
Magyarország	7 252	6	8,3	4,4		216	0	0,0	0,0	
Malta	34	0	0,0	0,0		33	0	0,0	0,0	
Nederland	10 001	9	9,0	8,7	14,8	500	0	0,0	0,0	0,0
Österreich	5 919	0	0,0	0,0	0,0	1 829	0	0,0	0,0	0,0
Polska	2 789	0	0,0	0,0		980	0	0,0	0,0	
Portugal	20 384	18	8,8	19,5	13,0	2 571	1	3,9	0,0	0,0
Romania	1 721	13	75,5	125,8	31,2	335	0	0,0	62,5	0,0
Slovenija	1 966	0	0,0	39,4	75,0	485	0	0,0	0,0	0,0
Slovensko	2 038	5	24,5	7,7	11,2	12	0	0,0	0,0	0,0
Suomi/Finland	1 163	0	0,0	9,3	10,9	274	0	0,0	0,0	0,0
Sverige	3 825	0	0,0	8,0	8,1	51	0	0,0	0,0	0,0
United Kingdom	13 546	17	12,5	21,6	26,3	732	2	27,3	8,1	4,0
EU 27	212 828	408	19,2	14,5	15,9	84 515	275	32,5	41,4	3,0
EU 27-CY	212 099	323	15,2	12,3		83 777	24	2,9	3,2	
Norway	4 393	3	6,8	15,9	10,9	331	0	0,0	0,0	29,0
Others	4 393	3	6,8	15,9	10,9	331	0	0,0	0,0	29,0
EU 27-CY	4 393	3	6,8	15,9		331	0	0,0	0,0	

*: cases per 10 000 tests

Table SR6: TSE cases in suspect ovine and caprine animals in 2008

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio*			Total tests	Total TSE cases	Ratio*		
			2008	2007	2006			2008	2007	2006
Belgique/België	65	0	0,0	0,0	0,0	12	0	0,0	0,0	0,0
Bulgaria	0	0			0,0	0	0		0,0	0,0
Ceská Republika	0	0		0,0		0	0		0,0	
Danmark	0	0		0,0	0,0	0	0		0,0	0,0
Deutschland	76	0	0,0	0,0	0,0	19	0	0,0	0,0	0,0
Eesti	0	0				0	0		0,0	
Ellas	442	114	2579,2	2542,4	3238,6	20	8	4000,0	3333,3	1428,6
España	48	8	1666,7	5000,0	740,7	4	0	0,0	0,0	0,0
France	12	3	2500,0	4166,7	4615,4	1	0	0,0	0,0	0,0
Ireland	15	6	4000,0	5500,0	5714,3	0	0		0,0	0,0
Italia	12	12	10000,0	1073,8	10000,0	0	0		0,0	0,0
Kypros	1 321	362	2740,3	3225,8		1 390	723	5201,4	5541,5	
Latvija	0	0				0	0		0,0	
Lietuva	0	0				0	0		0,0	
Luxembourg	0	0				0	0		0,0	0,0
Magyarország	11	0	0,0	0,0		3	0	0,0	0,0	
Malta	0	0				0	0		0,0	
Nederland	5	1	2000,0	0,0	5000,0	0	0	0,0	0,0	0,0
Österreich	3	0	0,0		0,0	0	0	0,0	0,0	0,0
Polska	0	0	0,0	0,0		0	0	0,0	0,0	
Portugal	2	0	0,0	0,0	0,0	0	0		0,0	0,0
Romania	30	6	2000,0	1632,7	0,0	3	0	0,0	10000,0	0,0
Slovenija	0	0			3333,3	0	0		0,0	0,0
Slovensko	16	13	8125,0		0,0	0	0		0,0	0,0
Suomi/Finland	1	0	0,0		0,0	0	0		0,0	0,0
Sverige	6	0	0,0		1000,0	1	0	0,0	0,0	0,0
United Kingdom	10	1	1000,0	4687,5	4978,0	18	16	8888,9	9259,3	10000,0
EU 27	2 075	526	2534,9	2741,5	4727,1	1 471	747	5078,2	5147,1	4721,0
EU 27-CY	754	164	2175,1	1139,1	3381,3	81	24	2963,0	2061,1	1320,8
Norway	20	0	0,0	0,0	0,0	2	0	0,0	0,0	0,0
Others	20	0	0,0	0,0	0,0	2	0	0,0	0,0	0,0
EU 27-CY	20	0	0,0	0,0	0,0	2	0	0,0	0,0	0,0

*: cases per 10 000 tests

Table SR7: TSE cases in ovine and caprine animals culled in the frame of TSE eradication in 2008

			Sheep					Goats		
	Total tests	Total TSE cases	Ratio*			Total tests	Total TSE cases	Ratio*		
			2008	2007	2006			2008	2007	2006
Belgique	0	0		0,0	0,0	0	0		0,0	0,0
Bulgaria	0	0				0	0		0,0	0,0
Ceská Republika	80	14	1750,0			0	0		0,0	
Danmark	6 950	2	2,9	0,0	4,6	1 838	0	0,0	0,0	0,0
Deutschland	912	0	0,0	0,0	0,0	12	0	0,0	0,0	0,0
Eesti	0	0				0	0		0,0	
Ellas	4 590	434	945,5	757,4	394,0	1 339	51	380,9	669,0	162,2
España	3 931	135	343,4	401,6	143,0	169	3	177,5	157,7	26,4
France	8 884	57	64,2	110,0	186,9	987	10	101,3	22,8	43,8
Ireland	619	4	64,6	186,7	387,6	0	0		0,0	0,0
Italia	2 276	76	333,9	332,8	403,5	122	1	82,0	51,3	78,0
Kypros	0	0				0	0		0,0	
Latvija	0	0				0	0		0,0	
Lietuva	0	0				0	0		0,0	
Luxembourg	0	0				0	0		0,0	0,0
Magyarország	1 318	1	7,6	9,9		6	0	0,0	0,0	
Malta	0	0				0	0		0,0	
Nederland	275	11	400,0	373,6	441,8	0	0	0,0	0,0	0,0
Österreich	0	0				0	0	0,0	0,0	0,0
Polska	0	0	0,0	0,0		0	0	0,0	0,0	
Portugal	581	3	51,6		0,0	0	0		0,0	0,0
Slovenija	23	1	434,8	148,5	954,1	0	0		0,0	0,0
Slovensko	354	9	254,2		0,0	0	0		0,0	0,0
Suomi/Finland	0	0		0,0	0,0	0	0		0,0	0,0
Sverige	0	0		0,0	0,0	0	0		0,0	0,0
United Kingdom	481	0	0,0	13,7	104,8	0	0		0,0	0,0
EU 27	31 274	747	238,9	179,3	181,3	4 473	65	145,3	130,9	55,5
EU 27-CY	31 274	747	238,9	179,3		4 473	65	145,3	130,9	55,5
Norway	193	0	0,0	0,0	141,2	2	0	0,0	0,0	0,0

*: cases per 10 000 tests

Chart SR6: percentage of cases per target group in sheep in the EU 27 except Cyprus from 2002 to 2008

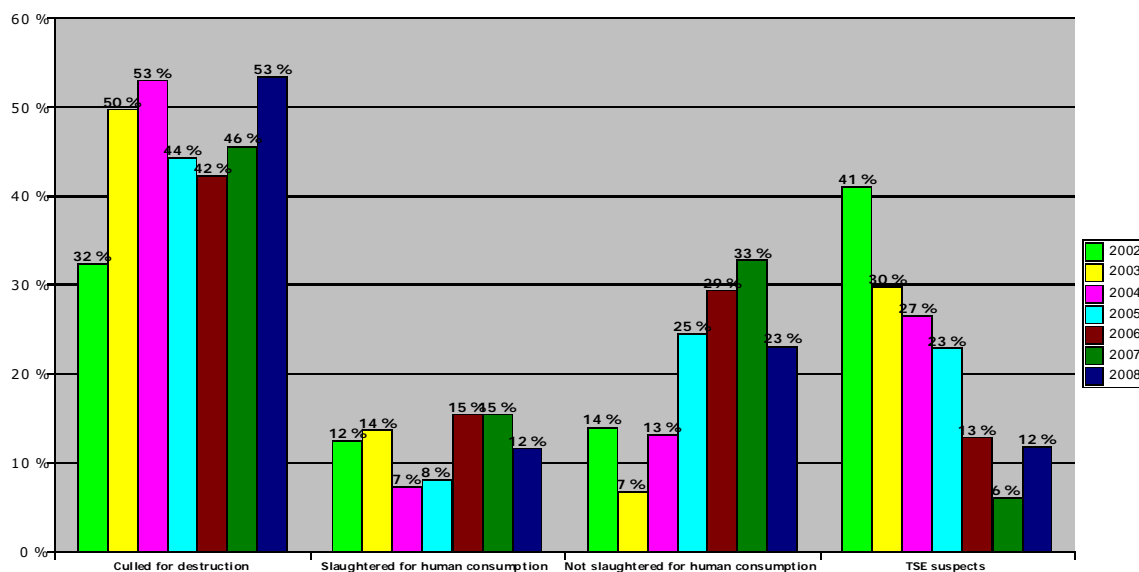


Chart SR7: Prevalence in tested animals (cases per 10 000 tested) of positives in ovine animals slaughtered for human consumption in affected Member States (and Norway) from 2002 to 2008

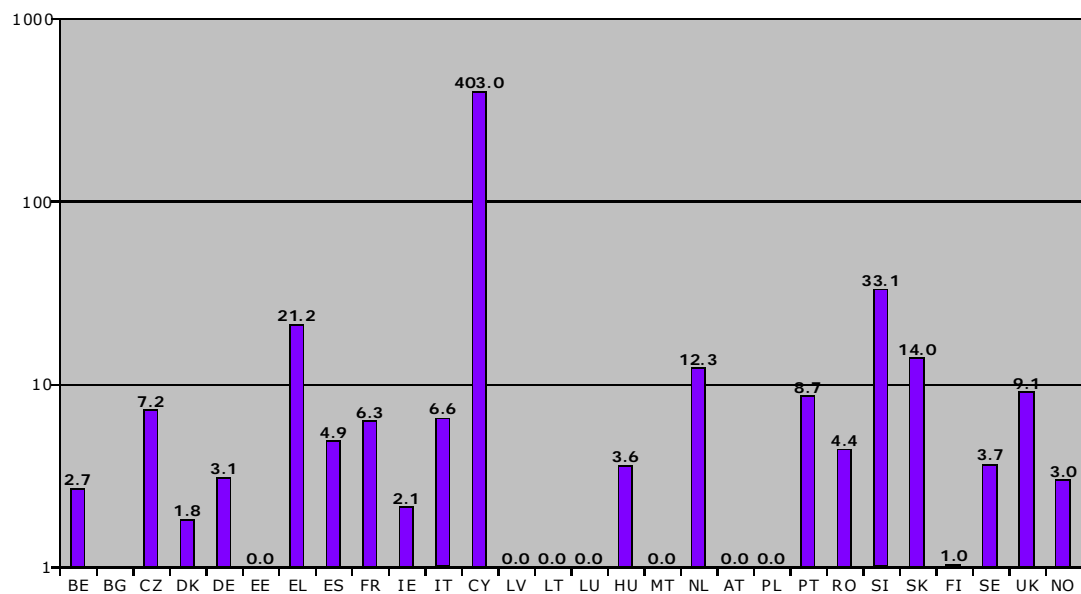


Chart SR8: Prevalence in tested animals (cases per 10 000 tested) of positives in ovine animals not slaughtered for human consumption (risk animals) in affected Member States (and Norway) from 2002 to 2008

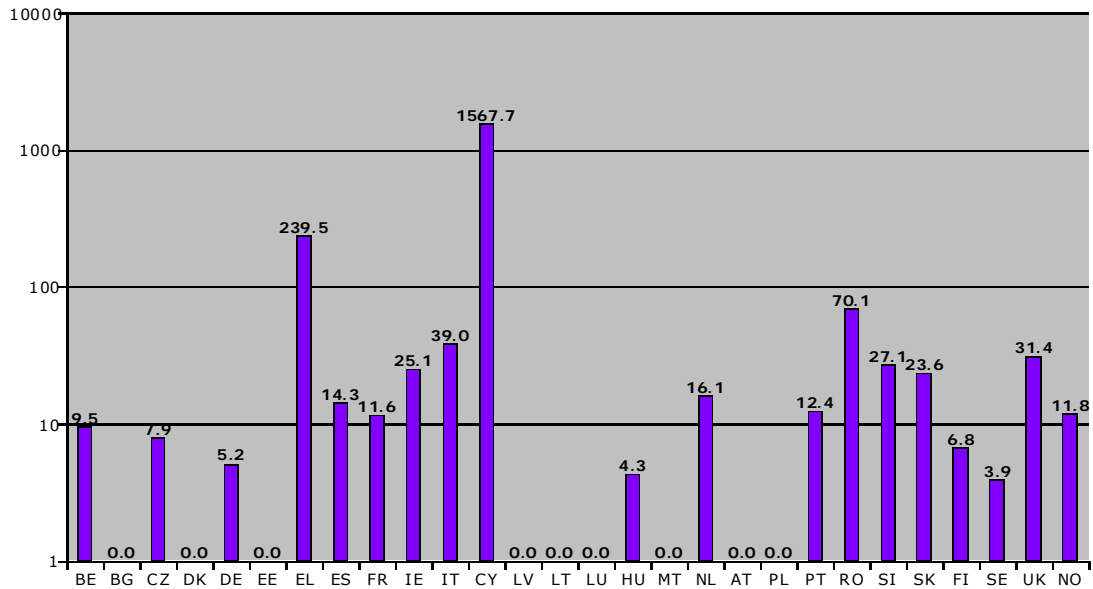


Chart SR9: Prevalence in tested animals (cases per 10 000 tested) of TSE in healthy slaughtered and risk ovine animals in the EU 27 (except Cyprus) from 2002 to 2008

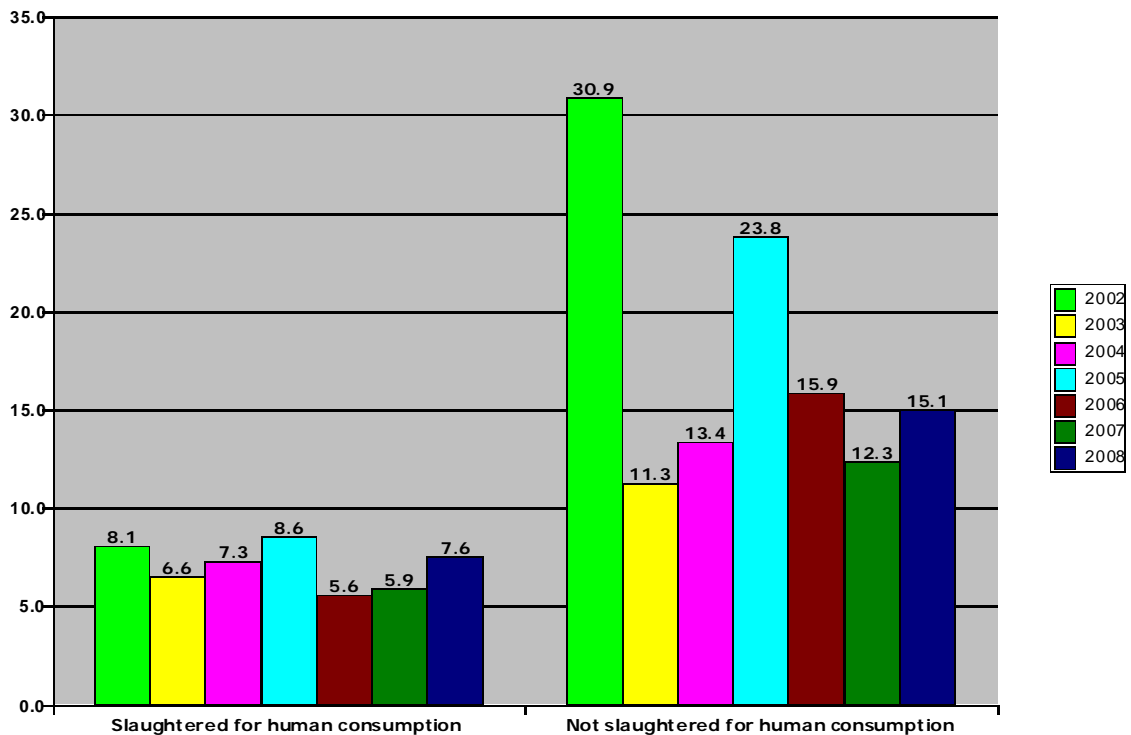


Chart SR10: Prevalence in tested animals (cases per 10 000 tested) of TSE in healthy slaughtered and risk caprine animals in the EU 27 (except Cyprus) from 2002 to 2008

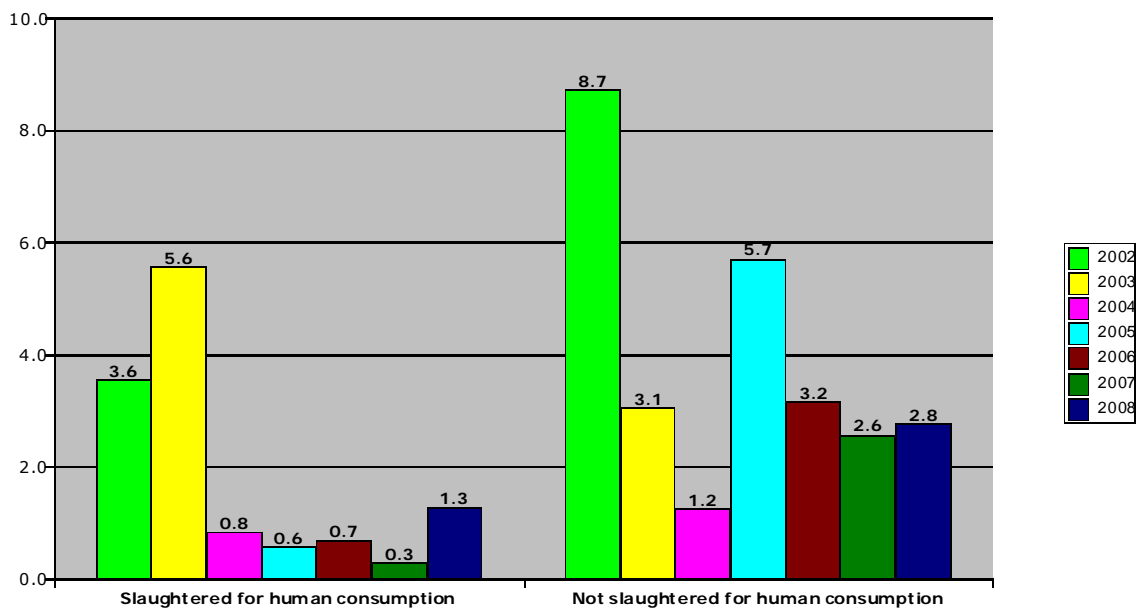
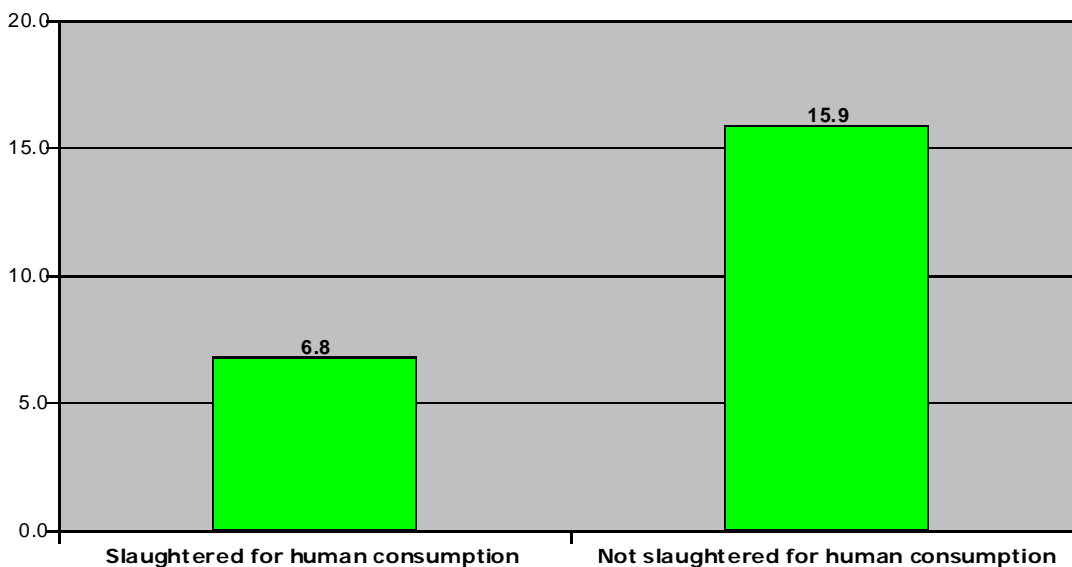
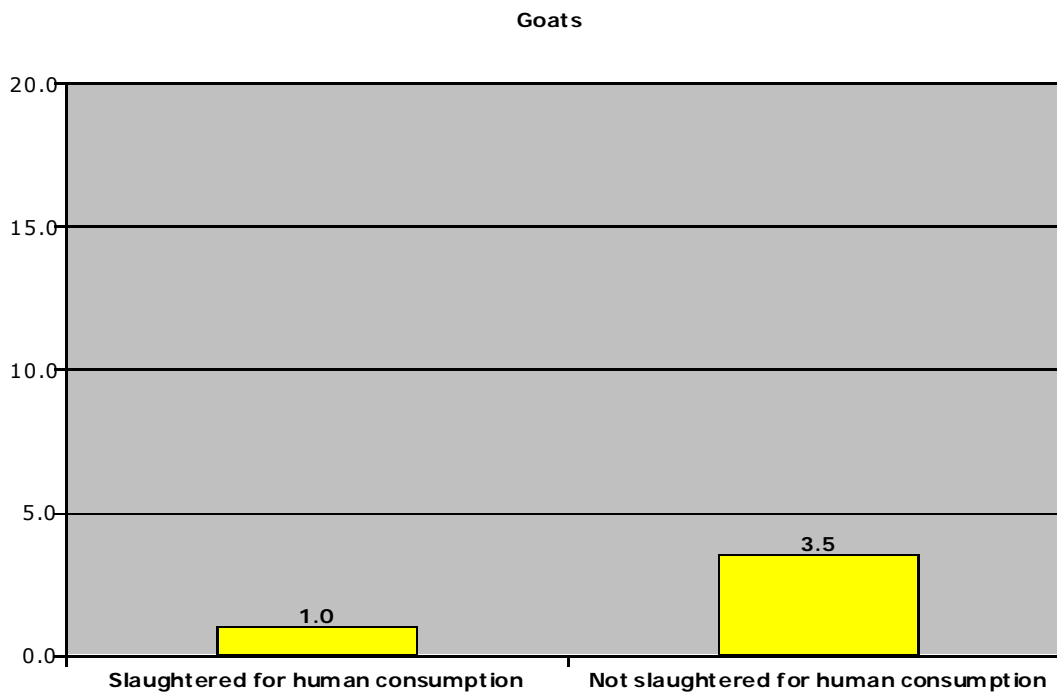


Chart SR11: Comparison of prevalence of TSE in small ruminants in the main target groups in the EU (except Cyprus) from 2002 to 2008

Sheep





Comments on positive cases

There is still no clear trend with regard to the evolution of the prevalence of TSE in tested animals in the different target groups since the monitoring started in 2002. Prevalence in tested animals not slaughtered for human consumption (risk animals, mainly fallen stock) is higher than in healthy slaughtered sheep or goats. The prevalence of TSE in sheep is also higher than in goats.

Cyprus has a significantly higher prevalence of TSE in sheep and goats compared to other Member States.

5.3. Atypical cases

Table SR8: TSE cases in small ruminants reported as atypical from 2004 to 2008 (animals culled in the frame of TSE eradication are excluded)

	2004			2005			2006			2007			2008		
	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%
Belgique/België	4	1	25 %	2	1	50 %	3	3	100%	3	2	67 %	0		0 %
Bulgaria	0	0	0 %	0	0	0 %	0	0	0 %	0		0 %	3	2	67 %
Ceská Republika	2	0	0 %	1	0	0 %	0	0	0 %	1		0 %	2		0 %
Danmark	0	0	0 %	0	0	0 %	1	3	300 %	0		0 %			0 %
Deutschland	43	0	0 %	28	0	0 %	24	0	0 %	15	9	60 %	7	3	43 %
Ellas	48	0	0 %	258	0	0 %	230	2	1 %	121	1	1 %	188		0 %
España	20	1	5 %	43	2	5 %	63	17	27 %	44		0 %	101		0 %
France	59	9	15 %	79	13	16 %	380	186	49 %	251	159	63 %	71	47	66 %
Ireland	55	2	4 %	27	0	0 %	54	0	0 %	37	1	3 %	16		0 %
Italia	24	0	0 %	58	7	12 %	134	15	11 %	121	22	18 %	80	8	10 %
Kypros	1 208	0	0 %	715	0	0 %	1 327	0	0 %	772		0 %	539	na	0 %
Magyarország	0	0	0 %	0	0	0 %	7	5	71 %	6	2	33 %	8	7	88 %
Nederland	39	0	0 %	37	2	5 %	43	0	0 %	25	2	8 %	12		0 %
Portugal	36	28	78 %	57	57	100 %	65	61	94 %	95	12	13 %	89	74	83 %
Romania	n/a	n/a		n/a			9	0	0 %	24		0 %	29		0 %
Slovenija	1	0	0 %	4	0	0 %	13	0	0 %	9		0 %	0		0 %
Slovensko	19	0	0 %	9	0	0 %	10	1	10 %	8		0 %	18		0 %
Suomi/Finland	1	1	100 %	1	1	100 %	2	2	100 %	1	1	100 %	0		0 %
Sverige	2	2	100 %	1	1	100 %	8	5	63 %	4	2	50 %	0		0 %
United Kingdom	331	17	5 %	346	30	9 %	217	60	28 %	81	40	49 %	26	17	65 %
EU 27	1 892	61	3 %	1 666	114	7 %	2 590	360	14 %	1 618	253	16 %	1 189	158	13 %
Norway	15	14	93 %	4	4	100 %	9	8	89 %	9	9	100 %	7	7	100 %
Others	15	14	93 %	4	4	100 %	9	8	89 %	9	9	100 %	7	7	100 %

Table SR8 (cont.)

	Goats														
	2004			2005			2006			2007			2008		
	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%
Ellas	13	0	0 %	26	0	0 %	10	0	0 %	14	0	0 %	16	0	0 %
España	0	0	0 %	5	0	0 %	9	4	44 %	13	0	0 %	6	0	0 %
France	4	0	0 %	15	6	40 %	12	1	8 %	5	4	80 %	12	8	67 %
Italia	2	0	0 %	8	3	38 %	12	6	50 %	5	3	60 %	1	1	100 %
Kypros	354	0	0 %	387	0	0 %	713	0	0 %	1 158	0	0 %	1 094	na	0 %
Portugal	0	0	0 %	0	0	0 %	0	0	0 %	0	1	0 %	2	1	50 %
Romania	n/a	n/a		n/a				0	0 %	2	0	0 %	0	0	0 %
Suomi/Finland	0	0	0 %	2	0	0 %	0	0	0 %	0	0	0 %	0	0	0 %
United Kingdom	0	0	0 %	4	0	0 %	13	0	0 %	26	0	0 %	18	0	0 %
EU 27	373	0	0 %	447	9	2 %	769	11	1 %	1 223	8	1 %	1 149	10	1 %
Norway	0	0	0 %	0	0	0 %	1	1	100 %	0	0	0 %	0	0	0 %
Others	0	0	0 %	0	0	0 %	1	1	100 %	0	0		0	0	

Table SR9: Prevalence in animals tested of TSE cases reported as atypical in ovine animals from 2004 to 2008 (animals culled in the frame of TSE eradication are excluded)

	Sheep														
	2004			2005			2006			2007			2008		
	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*
Belgique/België	1 587	1	6,3	1 469	1	6,8	10 167	3	3,0	9 204	2	2,2	3 221	0	0,0
Bulgaria	1 145	0	0,0	6 934	0	0,0	10 589	0	0,0	12 725	0	0,0	15 355	2	1,3
Česká Republika	958	0	0,0	448	0	0,0	1 099	0	0,0	2 829	0	0,0	914	0	0,0
Danmark	5 349	0	0,0	4 394	0	0,0	3 699	3	8,1	68	0	0,0		0	0,0
Deutschland	81 173	0	0,0	44 495	0	0,0	41 771	0	0,0	40 367	9	2,2	26 539	3	1,1
Ellas	8 738	0	0,0	6 574	0	0,0	9 356	2	2,1	9 075	1	1,1	14 074	0	0,0
España	25 890	1	0,4	29 204	2	0,7	89 021	17	1,9	50 998	0	0,0	28 879	0	0,0
France	24 619	9	3,7	34 701	13	3,7	488 254	186	3,8	327 374	159	4,9	91 329	47	5,1
Ireland	20 344	2	1,0	21 069	0	0,0	57 245	0	0,0	43 132	1	0,2	22 449	0	0,0
Italia	21 879	0	0,0	22 731	7	3,1	55 920	15	2,7	91 991	22	2,4	33 960	8	2,4
Kypros	2 160	0	0,0	3 337	0	0,0	6 108	0	0,0	8 677	0	0,0	8 835	na	0,0
Magyarország	5 965	0	0,0	9 074	0	0,0	12 061	5	4,1	12 182	2	1,6	13 211	7	5,3
Nederland	19 091	0	0,0	18 997	2	1,1	36 102	0	0,0	30 803	2	0,6	20 454	0	0,0
Polska	667	0	0,0	0	0	0,0	2 563	0	0,0	5 617	0	0,0	7 647	0	0,0
Portugal	44 224	28	6,3	72 516	57	7,9	63 711	61	9,6	85 101	12	1,4	86 380	74	8,6
Romania	n/a	n/a	0,0	n/a	n/a		14 867	0	0,0	13 738	0	0,0	16 263	0	0,0
Slovenija	1 006	0	0,0	1 878	0	0,0	1 757	0	0,0	1 845	0	0,0	1 981	0	0,0
Slovensko	1 821	0	0,0	2 615	0	0,0	7 212	1	1,4	8 358	0	0,0	2 212	0	0,0
Suomi/Finland	1 305	1	7,7	1 294	1	7,7	3 700	2	5,4	3 020	1	3,3	1 164	0	0,0
Sverige	3 154	2	6,3	3 240	1	3,1	8 769	5	5,7	9 922	2	2,0	3 840	0	0,0
United Kingdom	16 822	17	10,1	37 157	30	8,1	73 544	60	8,2	44 100	40	9,1	24 657	17	6,9
EU 27	287 897	61	2,1	322 127	114	3,5	997 515	358	3,6	811 126	253	3,1	423 364	158	3,7
Norway	13 845	14	10,1	14 512	4	2,8	14 931	8	5,4	13 556	9	6,6	13 143	7	5,3
Others	13 845	14	10,1	14 512	4	2,8	14 931	8	5,4	13 556	9	6,6	13 143	7	5,3

Table SR10: Prevalence in animals tested of TSE cases reported as atypical in caprine animals from 2004 to 2008 (animals culled in the frame of TSE eradication are excluded)

	Goats														
	2004			2005			2006			2007			2008		
	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*	Animals tested	Atypicals	Ratio*
Ellas	3 190	0	0,0	4 371	0	0,0	6 341	0	0,0	5 297	0	0,0	6 313	0	0,0
España	3 667	0	0,0	39 503	0	0,0	56 142	4	0,7	38 194	0	0,0	21 319	0	0,0
France	5 550	0	0,0	149 056	6	0,4	162 137	1	0,1	178 765	4	0,2	78 165	8	1,0
Italia	3 542	0	0,0	28 142	3	1,1	27 275	6	2,2	24 319	3	1,2	14 616	1	0,7
Kypros	1 335	0	0,0	3 387	0	0,0	6 025	0	0,0	6 781	0	0,0	5 496	na	0,0
Portugal	7 287	0	0,0	5 638	0	0,0	6 367	0	0,0	8 634	1	1,2	8 567	1	1,2
Romania	n/a	n/a	0,0					0	0,0	618	0	0,0	928	0	0,0
Suomi/Finland	261	0	0,0	593	0	0,0	516	0	0,0	431	0	0,0	274	0	0,0
United Kingdom	147	0	0,0	2 645	0	0,0	5 034	0	0,0	2 732	0	0,0	750	0	0,0
EU 27	24 979	0	0,0	233 335	9	0,4	269 837	11	0,4	265 771	8	0,3	136 428	10	0,7
Norway	304	0	0,0	2 804	0	0,0	5 651	1	1,8	3 462	0	0,0	354	0	0,0
Others	304	0	0,0	2 804	0	0,0	5 651	1	1,8	3 462	0		354	0	

Comments on atypical cases

Atypical TSE cases were demonstrated in several Member States and can represent a quite big percentage of TSE cases in some Member States. Results from 2004 seem to indicate an increasing trend in the prevalence of atypical cases in tested animals, both in sheep and goats. However, the results should be interpreted with caution as the monitoring requirements have changed during this period and the testing and sampling methods have an influence on the detection of atypical cases.

The definition of atypical cases detected from 2004 to 2008 is in line with the Opinion of the Scientific Panel on Biological Hazards of the European Food Safety Authority on classification of atypical TSE cases in small ruminant adopted on 26 October 2005.

5.4. TSE discriminatory tests

Table SR11: Discriminatory testing on TSE cases confirmed in sheep and goats in 2008 (Results of primary molecular testing with a discriminatory immuno-blotting (Point 3.2 c(i), Chapter C , Annex X to Regulation (EC) 999/2001)

	Sheep			
	Total	Excluding BSE	BSE like	Inconclusive
Bulgaria	4	3	0	1
Ceská Republika	16	16	0	0
Danmark	1	1	0	0
Deutschland	6	6	0	0
España	253	244	0	9
France	134	134	0	0
Ireland	13	13	0	0
Italia	154	154	0	0
Magyarország	9	9	0	0
Nederland	12	12	0	0
Portugal	86	86	0	0
Slovenija	1	1	0	0
Slovensko	27	27	0	0
United Kingdom	28	28	0	0
EU 27	744	734	0	10
Norway	7	7	0	0
Others	7	7	0	0

	Goats			
	Total	Excluding BSE	BSE like	Inconclusive
España	16	16	0	0
France	22	21	0	1
Italia	2	2	0	0
Portugal	1	1	0	0
United Kingdom	22	22	0	0
EU 27	63	62	0	1

5.5. Age distribution of TSE positive cases in ovine animals

Table SR12: year of birth distribution of positive cases in ovine animals of known age in 2008

		<1997	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Total
Bulgaria	No of cases	0	0	0	0	0	0	1	0	0	3	0	0	4
	% of known	0%	0%	0%	0%	0%	0%	25 %	0%	0%	75 %	0%	0%	
Ceská Republika	No of cases	0	0	0	0	0	0	0	1	0	0	11	4	16
	% of known	0%	0%	0%	0%	0%	0%	0%	6 %	0%	0%	69 %	25 %	
Danmark	No of cases	0	0	0	1	0	0	0	0	0	0	0	0	1
	% of known	0%	0%	0%	100 %	0%	0%	0%	0%	0%	0%	0%	0%	
Deutschland	No of cases	0	0	1	0	0	0	0	0	0	0	4	1	6
	% of known	0%	0%	17 %	0%	0%	0%	0%	0%	0%	0%	67 %	17 %	
España	No of cases	2	0	0	1	13	40	11	31	49	68	38	0	253
	% of known	1 %	0%	0%	0 %	5 %	16 %	4 %	12 %	19 %	27 %	15 %	0%	
France	No of cases	1	0	3	6	9	6	7	6	15	4	68	6	131
	% of known	1 %	0%	2 %	5 %	7 %	5 %	5 %	5 %	11 %	3 %	52 %	5 %	
Ireland	No of cases	0	0	0	1	0	4	4	3	3	3	0	0	18
	% of known	0%	0%	0%	6 %	0%	22 %	22 %	17 %	17 %	17 %	0%	0%	
Italia	No of cases	2	0	2	10	8	10	13	23	23	32	27	4	154
	% of known	1 %	0%	1 %	6 %	5 %	6 %	8 %	15 %	15 %	21 %	18 %	3 %	
Magyarország	No of cases	2	1	0	1	1	0	2	1	1	0	0	0	9
	% of known	22 %	11 %	0%	11 %	11 %	0%	22 %	11 %	11 %	0%	0%	0%	
Nederland	No of cases	0	0	0	0	0	0	0	7	1	4	0	0	12
	% of known	0%	0%	0%	0%	0%	0%	0%	58 %	8 %	33 %	0%	0%	
Portugal	No of cases	0	1	4	1	2	5	6	2	0	3	1	0	25
	% of known	0%	4 %	16 %	4 %	8 %	20 %	24 %	8 %	0%	12 %	4 %	0%	
Slovenija	No of cases	0	0	0	0	0	0	0	0	1	0	0	0	1
	% of known	0%	0%	0%	0%	0%	0%	0%	0%	100 %	0%	0%	0%	

Slovensko	No of cases	2	1	2	1	4	1	2	10	1	0	3	0	27
	% of known	7 %	4 %	7 %	4 %	15 %	4 %	7 %	37 %	4 %	0%	11 %	0%	
United Kingdom	No of cases	0	0	0	0	1	1	1	2	0	0	0	0	5
	% of known	0%	0%	0%	0%	20 %	20 %	20 %	40 %	0%	0%	0%	0%	
Norway	No of cases	0	0	0	0	1	4	2	0	0	0	0	0	7
	% of known	0%	0%	0%	0%	14 %	57 %	29 %	0%	0%	0%	0%	0%	

Table SR13: Age distribution (months of age at confirmation) of positive cases in ovine animals of known age in 2008

			<12	12-23	24-35	36-47	48-59	60-71	72-83	84-95	>95	Total
Bulgaria	No of cases	0	0	0	0	3	0	0	1	0	0	4
	% of known	0%	0%	0%	0%	75 %	0%	0%	25 %	0%	0%	
Ceska Republika	No of cases	0	3	12	0	0	0	1	0	0	0	16
	% of known	0%	19 %	75 %	0%	0%	0%	6 %	0%	0%	0%	
Danmark	No of cases	0	0	0	0	0	0	0	0	0	1	1
	% of known	0%	0%	0%	0%	0%	0%	0%	0%	0%	100 %	
Deutschland	No of cases	0	0	5	0	0	0	0	0	0	1	6
	% of known	0%	0%	83 %	0%	0%	0%	0%	0%	0%	17 %	
España	No of cases	2	0	4	35	68	52	34	6	43	9	253
	% of known	1 %	0%	2 %	14 %	27 %	21 %	13 %	2 %	17 %	4 %	
France	No of cases	1	1	16	59	7	11	7	8	5	16	131
	% of known	1 %	1 %	12 %	45 %	5 %	8 %	5 %	6 %	4 %	12 %	
Ireland	No of cases	0	0	0	0	3	3	3	4	4	1	18
	% of known	0%	0%	0%	0%	17 %	17 %	17 %	22 %	22 %	6 %	
Italia	No of cases	2	0	4	26	33	23	23	13	10	20	154
	% of known	1 %	0%	3 %	17 %	21 %	15 %	15 %	8 %	6 %	13 %	
Magyarország	No of cases	0	0	0	0	0	1	2	1	0	5	9
	% of known	0%	0%	0%	0%	0%	11 %	22 %	11 %	0%	56 %	
Nederland	No of cases	0	0	0	0	4	1	7	0	0	0	12
	% of known	0%	0%	0%	0%	33 %	8 %	58 %	0%	0%	0%	
Portugal	No of cases	1	0	0	1	3	0	2	7	4	7	25
	% of known	4 %	0%	0%	4 %	12 %	0%	8 %	28 %	16 %	28 %	
Slovenija	No of cases	0	0	0	0	1	0	0	0	0	0	1
	% of known	0%	0%	0%	0%	100 %	0%	0%	0%	0%	0%	
Slovensko	No of cases	3	0	1	2	1	7	4	1	3	5	27
	% of known	11 %	0%	4 %	7 %	4 %	26 %	15 %	4 %	11 %	19 %	
United Kingdom	No of cases	0	0	0	0	0	0	3	0	1	1	5
	% of known	0%	0%	0%	0%	0%	0%	60 %	0%	20 %	20 %	
Norway	No of cases	0	0	0	0	0	0	1	2	4	0	7
	% of known	0%	0%	0%	0%	0%	0%	14 %	29 %	57 %	0%	

Chart SR12: Evolution of the age distribution of TSE positive cases in sheep in the EU 27 since 2002

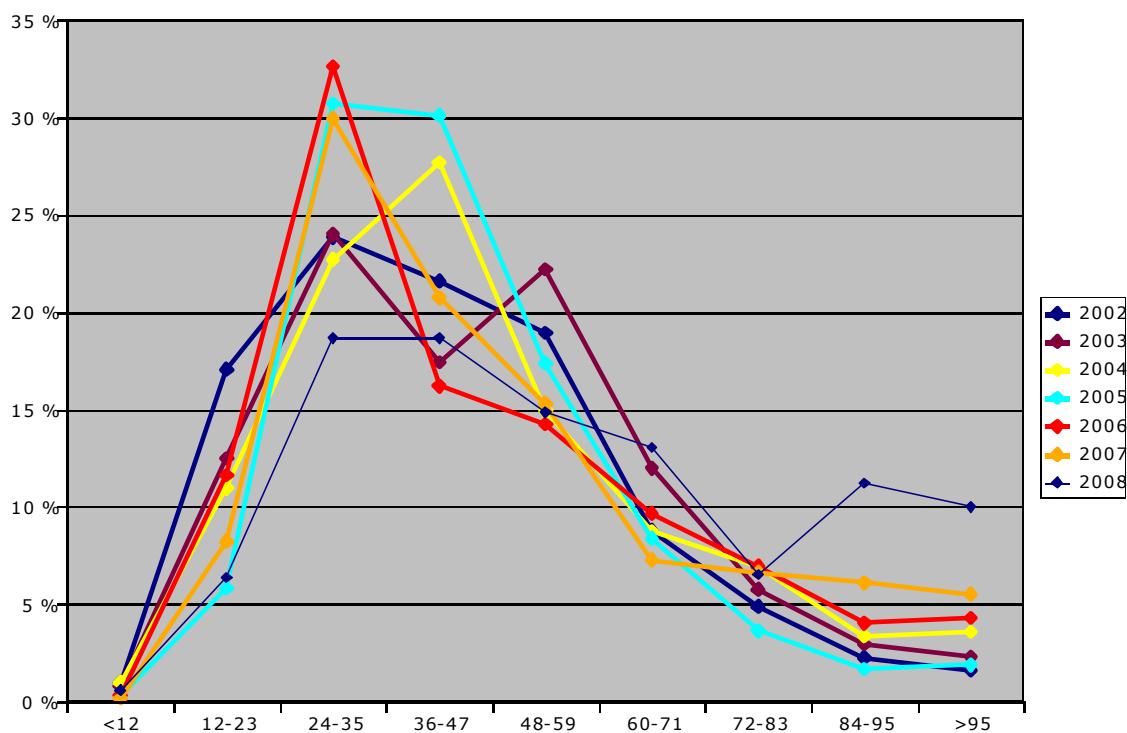
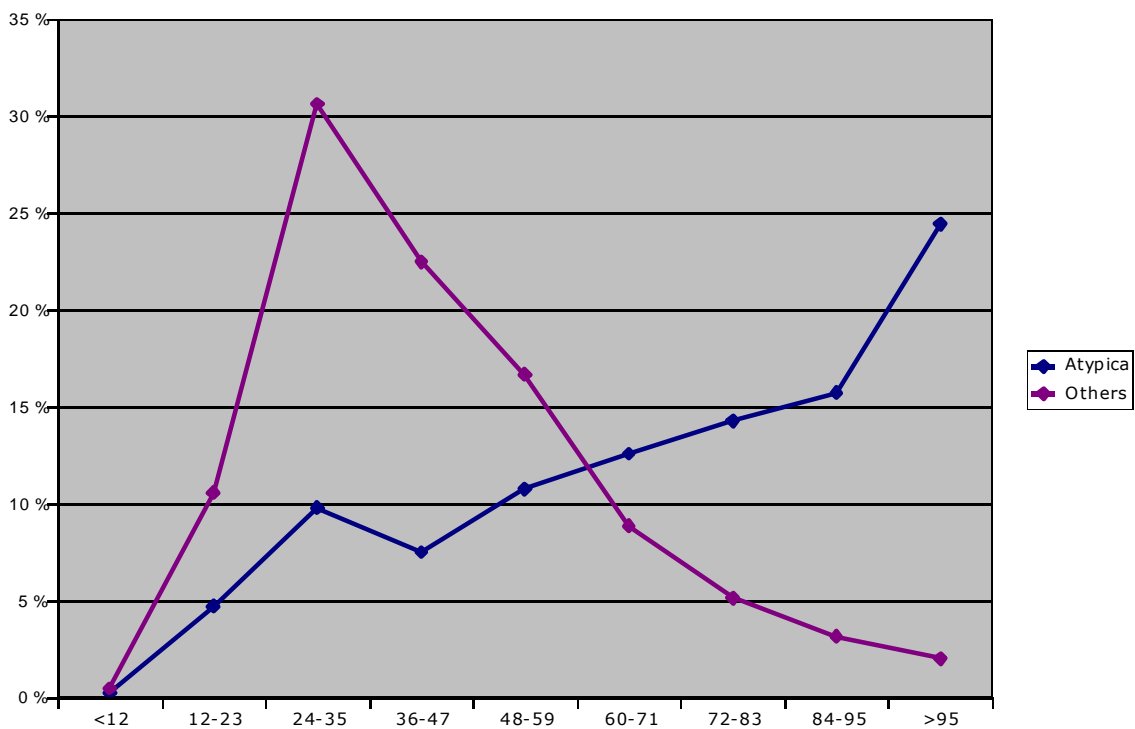


Chart SR13: Age distribution of TSE positive cases in sheep detected since 2002 in the EU 27 and Norway: comparison of cases reported as atypical with other cases



5.6. Genotyping

The genotypes found in positive cases and by random sampling were grouped in accordance with the NSP classification system used in the United Kingdom for genetic resistance to classical scrapie and BSE:

NSP1	ARR/ARR	Genetically most resistant
NSP2	ARR/ARQ, ARR/ARH, ARR/ AHQ	Genetically resistant
NSP3 (ARQ/ARQ)	ARQ/ARQ	Genetically little resistance (ARQ/ARQ may be scientifically reviewed)
NSP3 (others)	AHQ/AHQ, ARH/ARH, ARH/ ARQ, AHQ/ARH, AHQ/ARQ	
NSP4	ARR/VRQ	Genetically susceptible
NSP5	ARQ/VRQ, ARH/VRQ, AHQ/VRQ, VRQ/VRQ	Genetically highly susceptible

Genotypes in confirmed cases TSE cases in accordance with point 8.1 of Chapter A.II of Annex III to the TSE Regulation

Table SR14: Distribution of known genotypes in confirmed TSE cases in 2008

	Known genotypes		Distribution of known genotypes					
	Number	% of TSE Positives	NSP1	NSP2	NSP3		NSP4	NSP5
					ARQ/ARQ	Others		
Ceská Republika	16	100 %	0%	0%	56 %	13 %	0%	31 %
Danmark	1	50 %	0%	100 %	0%	0%	0%	0%
Deutschland	1	14 %	0%	0%	0%	100 %	0%	0%
España	221	94 %	0%	4 %	87 %	6 %	0%	3 %
France	84	66 %	8 %	20 %	44 %	10 %	2 %	15 %
Ireland	18	90 %	0%	11 %	33 %	6 %	0%	50 %
Italia	154	99 %	1 %	1 %	86 %	12 %	0%	1 %
Magyarország	9	100 %	33 %	44 %	22 %	0%	0%	0%
Nederland	12	52 %	0%	0%	17 %	0%	8 %	75 %
Portugal	4	4 %	0%	0%	75 %	25 %	0%	0%
Slovenija	1	100 %	0%	0%	0%	0%	0%	100 %
Slovensko	27	100 %	0%	0%	70 %	7 %	0%	22 %
United Kingdom	24	92 %	4 %	38 %	0%	17 %	13 %	29 %
EU 25	572	77 %	2 %	8 %	70 %	9 %	1 %	10 %
Norway	7	100 %	14 %	43 %	14 %	29 %	0%	0%
Others	7	100 %	14 %	43 %	14 %	29 %	0%	0%

Chart SR14: Genotype distribution in atypical cases compared to other TSE cases detected between 2002 and 2008

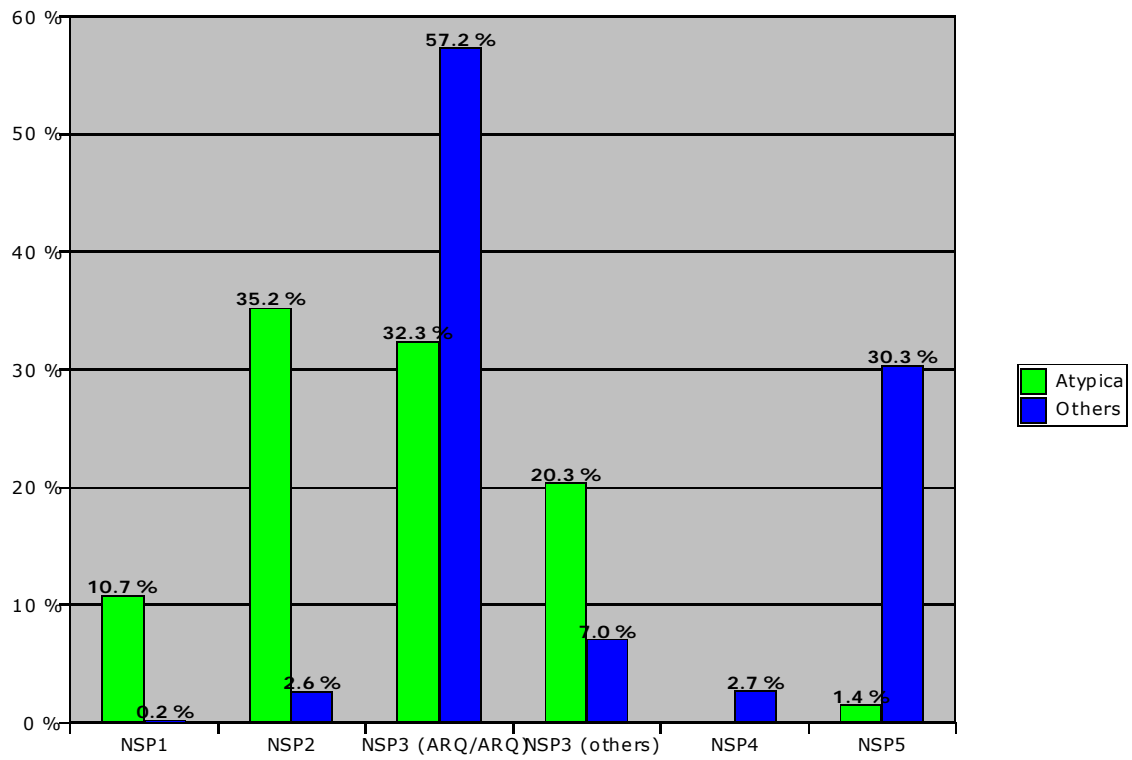


Table SR15: Age distribution of positive cases per genotype in the EU and Norway detected between 2002 and 2008

		<1	1	2	3	4	5	6	7	>7	Unkown		Total
NSP1	cases	0	3	11	8	11	10	7	14	19	25	1	109
	% of known	0%	3 %	10 %	7 %	10 %	9 %	6 %	13 %	17 %		1 %	
NSP2	cases	4	22	57	33	36	42	45	52	77	101	2	471
	% of known	1 %	5 %	12 %	7 %	8 %	9 %	10 %	11 %	16 %		0 %	
NSP3 (ARQ/ARO)	cases	13	302	981	703	577	329	232	139	134	303	8	3 721
	% of known	0 %	8 %	26 %	19 %	16 %	9 %	6 %	4 %	4 %		0 %	
NSP3 (others)	cases	4	30	60	103	86	67	38	42	38	129	1	598
	% of known	1 %	5 %	10 %	17 %	14 %	11 %	6 %	7 %	6 %		0 %	
NSP4	cases	0	3	8	18	20	21	15	14	6	54	0	159
	% of known	0%	2 %	5 %	11 %	13 %	13 %	9 %	9 %	4 %		0%	
NSP5	cases	7	100	309	321	274	156	56	28	17	527	1	1 796
	% of known	0 %	6 %	17 %	18 %	15 %	9 %	3 %	2 %	1 %		0 %	
Unknown	cases	4	259	541	208	150	80	72	58	54	149	2	1 577
	% of known	0 %	16 %	34 %	13 %	10 %	5 %	5 %	4 %	3 %		0 %	
Total	cases	32	719	1 967	1 394	1 154	705	465	347	345	1 288	15	8 431
	% of known	0,4%	8,5%	23,3 %	16,5 %	13,6 %	8,3%	5,5%	4,1%	4,1%		0,2%	

Table SR16: Age distribution of positive cases per genotype in the EU and Norway detected between 2002 and 2008

	2002	2003	2004	2005	2006	2007	2008	Average	Total nbr. of results
NSP1		118,7	60,3	42,0	71,5	75,7	79,8	75,0	106
NSP2	43,5	52,6	71,4	83,0	70,1	65,5	86,7	70,3	454
NSP3 (ARQ/ARQ)	53,2	50,8	50,3	52,0	64,1	68,7	66,5	59,9	3 617
NSP3 (others)	46,3	51,8	44,8	54,2	68,5	64,8	61,7	59,1	583
NSP4	63,6	65,9	78,5	64,4	63,3	48,1	88,7	63,9	160
NSP5	48,6	48,9	52,1	47,4	51,2	49,4	61,7	50,7	1 786
Unknown				44,5	61,5	57,6	63,7	60,2	1 523
Average	51,0	52,4	53,8	55,0	63,6	62,5	67,7	59,8	8 229

Table SR17: Distribution of genotypes in random sampled ovine animals in the EU in 2008

		NSP1	NSP2	NSP3		NSP4	NSP5	Total
				ARQ/ARQ	Others			
Belgique/België	No of samples	27	41	10	12	1	3	94
	%	29 %	44 %	11 %	13 %	1 %	3 %	
Bulgaria	No of samples	49	110	100	37	11	22	329
	%	15 %	33 %	30 %	11 %	3 %	7 %	
Česká Republika	No of samples	1 442	1 637	576	93	98	67	3 913
	%	37 %	42 %	15 %	2 %	3 %	2 %	
Danmark	No of samples	0	49	29	15	0	0	93
	%	0%	53 %	31 %	16 %	0%	0 %	
Eesti	No of samples	93	212	45	20	5	10	385
	%	24 %	55 %	12 %	5 %	1 %	3 %	
Ellas	No of samples	22	159	234	45	7	17	484
	%	5 %	33 %	48 %	9 %	1 %	4 %	
España	No of samples	52	233	247	54	6	9	601
	%	9 %	39 %	41 %	9 %	1 %	1 %	
France	No of samples	173	243	138	17	37	39	647
	%	27 %	38 %	21 %	3 %	6 %	6 %	
Italia	No of samples	81	222	188	70	0	12	573
	%	14 %	39 %	33 %	12 %	0%	2 %	
Latvija	No of samples	17	54	22	3	0	2	98
	%	17 %	55 %	22 %	3 %	0%	2 %	
Lietuva	No of samples	4	28	16	2	0	0	50
	%	8 %	56 %	32 %	4 %	0 %	0 %	
Luxembourg	No of samples	63	38	0	1	0	0	102
	%	62 %	37 %	0%	1 %	0%	0%	
Magyarország	No of samples	182	289	73	38	6	12	600
	%	30 %	48 %	12 %	6 %	1 %	2 %	
Nederland	No of samples	281	374	54	99	44	40	892
	%	32 %	42 %	6 %	11 %	5 %	4 %	
Österreich	No of samples	0	38	43	15	0	0	96
	%	0%	40 %	45 %	16 %	0%	0 %	
Portugal	No of samples	95	249	213	42	24	33	656
	%	14 %	38 %	32 %	6 %	4 %	5 %	
Slovenija	No of samples	6	26	41	6	0	2	81
	%	7 %	32 %	51 %	7 %	0%	2 %	
Slovensko	No of samples	0	2 269	344	116	0	0	2 729
	%	0%	83 %	13 %	4 %	0%	0%	
Suomi/Finland	No of samples	2	25	55	15	1	8	106
	%	2 %	24 %	52 %	14 %	1 %	8 %	
Sverige	No of samples	7	17	58	7	0	12	101
	%	7 %	17 %	57 %	7 %	0 %	12 %	
United Kingdom	No of samples	217	296	78	77	28	27	723
	%	30 %	41 %	11 %	11 %	4 %	4 %	
EU 27	No of samples	2 813	6 609	2 564	784	268	315	13 353
	%	21 %	49 %	19 %	6 %	2,0 %	2,4 %	

Table SR18: Susceptibility of genotypes to classical scrapie by comparison with genotypes in the population of some Member States: calculation of odds ratio's

Random samples (2008)	NSP1	NSP2	NSP3		NSP4	NSP5	Others
			ARQ/ARQ	Others			
Belgique/België	28,7 %	43,6 %	10,6 %	12,8 %	1,1 %	3,2 %	
Ceská Republika	36,9 %	41,8 %	14,7 %	2,4 %	2,5 %	1,7 %	
Danmark		48,0 %	28,4 %	14,7 %		0,0 %	8,8 %
Ellas	4,5 %	32,4 %	47,8 %	9,2 %	1,4 %	3,5 %	1,2 %
España	8,7 %	38,8 %	41,1 %	9,0 %	1,0 %	1,5 %	0,0 %
France	25,5 %	35,8 %	20,3 %	2,5 %	5,4 %	5,7 %	4,7 %
Italia	13,4 %	36,8 %	31,1 %	11,6 %		2,0 %	
Magyarország	30,3 %	48,2 %	12,2 %	6,3 %	1,0 %	2,0 %	
Nederland	31,5 %	41,9 %	6,1 %	11,1 %	4,9 %	4,5 %	
Portugal	14,3 %	37,6 %	32,1 %	6,3 %	3,6 %	5,0 %	
Slovenija	7,4 %	32,1 %	50,6 %	7,4 %		2,5 %	
Slovensko		77,8 %	11,8 %	4,0 %			
United Kingdom	30,0 %	40,9 %	10,8 %	10,7 %	3,9 %	3,7 %	

Classical cases (2008)	NSP1	NSP2	NSP3		NSP4	NSP5	Unknown
			ARQ/ARQ	Others			
Ceská Republika	0.0 %	0.0 %	56,3 %	12,5 %	0.0 %	31,3 %	
España	0.0 %	1,5 %	89,7 %	2,0 %	0.0 %	2,9 %	2,5 %
France	0.0 %	1,2 %	25,9 %	4,7 %	2,4 %	15,3 %	50,6 %
Magyarország	0.0 %	0.0 %	100,0 %		0.0 %		
Nederland	0.0 %	0.0 %	16,7 %		8,3 %	75,0 %	
Portugal	0.0 %	0.0 %	25,0 %		0.0 %		75,0 %
Slovenija	0.0 %	0.0 %			0.0 %	100,0 %	
Slovensko	0.0 %	0.0 %	70,4 %	7,4 %	0.0 %	22,2 %	
United Kingdom	0.0 %	0.0 %			27,3 %	63,6 %	9,1 %

Odds ratio	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
Ceská Republika	0.00	0.00	1,00	1,38	0.00	4,78
España	0.00	0,02	1,00	0,10	0.00	0,90
France	0.00	0,03	1,00	1,48	0,34	2,09
Italia	0.00	0.00	1,00	0,41	0.00	
Magyarország	0.00	0.00	1,00		0.00	
Nederland	0.00	0.00	1,00		0,61	6,08
Portugal	0.00	0.00	1,00		0.00	
Slovenija	0.00	0.00			0.00	
Slovensko	0.00	0.00	1,00	0,31	0.00	
United Kingdom	0.00	0.00			0.00	

Table SR19: Susceptibility of genotypes to atypical scrapie by comparison with genotypes in the population of some Member States: calculation of odds ratio's

Random samples (2008)	NSP1	NSP2	NSP3		NSP4	NSP5	Others
			ARQ/ARQ	Others			
Belgique/België	28,7 %	43,6 %	10,6 %	12,8 %	1,1 %	3,2 %	
Danmark		48,0 %	28,4 %	14,7 %		0,0 %	8,8 %
Ellas	4,5 %	32,4 %	47,8 %	9,2 %	1,4 %	3,5 %	1,2 %
España	8,7 %	38,8 %	41,1 %	9,0 %	1,0 %	1,5 %	0,0 %
France	25,5 %	35,8 %	20,3 %	2,5 %	5,4 %	5,7 %	4,7 %
Italia	13,4 %	36,8 %	31,1 %	11,6 %		2,0 %	
Magyarország	30,3 %	48,2 %	12,2 %	6,3 %	1,0 %	2,0 %	
Nederland	31,5 %	41,9 %	6,1 %	11,1 %	4,9 %	4,5 %	
Portugal	14,3 %	37,6 %	32,1 %	6,3 %	3,6 %	5,0 %	
Slovensko		77,8 %	11,8 %	4,0 %			
Suomi/Finland	1,9 %	23,4 %	51,4 %	14,0 %	0,9 %	7,5 %	
Sverige	6,9 %	16,8 %	57,4 %	6,9 %	0,0 %	11,9 %	
United Kingdom	30,0 %	40,9 %	10,8 %	10,7 %	3,9 %	3,7 %	

Atypical cases (2008)	NSP1	NSP2	NSP3		NSP4	NSP5	Unknown
			ARQ/ARQ	Others			
Belgique/België	25,0 %	25,0 %	12,5 %	37,5 %	0%	0%	0%
Danmark	0%	20,0 %	20,0 %	60,0 %	0%	0%	0%
Ellas	0%	66,7 %	0%	33,3 %	0%	0%	0%
España	2,7 %	21,6 %	29,7 %	22,5 %	0%	0%	16,2 %
France	11,0 %	27,5 %	33,7 %	9,1 %	0%	0,8 %	14,3 %
Italia	13,5 %	28,8 %	44,2 %	13,5 %	0%	0%	0%
Magyarország	12,5 %	45,8 %	20,8 %	16,7 %	0%	4,2 %	0%
Nederland	0%	25,0 %	25,0 %	50,0 %	0%	0%	0%
Portugal	5,5 %	6,6 %	7,4 %	4,8 %	0%	0%	61,3 %
Slovensko	100,0 %	0%	0%	0%	0%	0%	0%
Suomi/Finland	0%	0%	60,0 %	20,0 %	0%	0%	0%
Sverige	0%	35,3 %	29,4 %	11,8 %	0%	0%	17,6 %
United Kingdom	4,6 %	45,4 %	10,8 %	29,4 %	0%	0,5 %	9,3 %

Odds ratio	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
Belgique/België	0,74	0,49	1,00	2,50	0,00	0,00
Danmark	0,00	0,59	1,00	5,80	0,00	0,00
Ellas	0,00	0,00	1,00	0,00	0,00	0,00
España	0,43	0,77	1,00	3,47	0,00	0,00
France	0,26	0,46	1,00	2,19	0,00	0,09
Italia	0,71	0,55	1,00	0,82	0,00	0,00
Magyarország	0,24	0,56	1,00	1,54	0,00	1,22
Nederland	0,00	0,14	1,00	1,09	0,00	0,00
Portugal	1,68	0,77	1,00	3,30	0,00	0,00
Slovensko	0,00	0,00	1,00	0,00	0,00	0,00
Suomi/Finland	0,00	0,00	1,00	1,22	0,00	0,00
Sverige	0,00	4,09	1,00	3,31	0,00	0,00
United Kingdom	0,15	1,10	1,00	2,75	0,00	0,14

Calculation and meaning of the odds ratio

ARQ/ARQ was used as reference and the percentage of genotypes in random samples as controls. The odd ratio is calculated as:

% cases in a country with a certain NSP genotype/% random samples in a country with a certain NSP genotype

% cases in a country with ARQ/ARQ genotype/% random samples in a country with ARQ/ARQ genotype

An odds ratio higher than 1 means a higher susceptibility than the ARQ/ARQ genotype, an odds ratio lower than 1 means a susceptibility lower than the ARQ/ARQ genotypes. Using these odds ratio would however require further computing confidence intervals. The genotype distribution of atypical cases is clearly different from classical scrapie. The odds ratio provides an indication if the genotypes have a different susceptibility to an infection of respectively classical scrapie and atypical cases. The odds ratios should be interpreted with caution because the number of cases was low in most Member States.

6. SUMMARY OF TSE TESTING IN CERVIDS DURING 2007-2008

The information shown in the following tables is updated according to the information electronically submitted by the MS to the EU-database up to 29 October 2009.

Table C1: Results of the survey for chronic wasting disease in farmed cervids according to Commission Decision 2007/182/EC

Year of sampling	Countries	Clinical/sick animals		Fallen/culled animal		Healthy slaughtered animal		Road injured/killed animal		Total tests	Total positives
		Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives		
2007	BELGIUM	1	0	51	0	0	0	0	0	52	0
	CZECH REPUBLIC	0	0	6	0	17	0	0	0	23	0
	DENMARK	0	0	51	0	0	0	5	0	56	0
	FINLAND	13	0	6	0	8	0	0	0	27	0
	FRANCE	0	0	3	0	407	0	0	0	410	0
	GERMANY	3	0	8	0	151	0	8	0	170	0
	IRELAND	2	0	1	0	195	0	0	0	198	0
	NORWAY	6	0	34	0	0	0	0	0	40	0
	PORTUGAL	0	0	4	0	30	0	0	0	34	0
	SLOVENIA	0	0	6	0	0	0	1	0	7	0
	UNITED KINGDOM	0	0	15	0	433	0	0	0	448	0
Total 2007		25	0	185	0	1241	0	14	0	1465	0
2008	AUSTRIA	0	0	6	0	100	0	1	0	107	0
	CZECH REPUBLIC	0	0	14	0	23	0	0	0	37	0
	DENMARK	0	0	35	0	0	0	0	0	35	0
	ESTONIA	0	0	0	0	0	0	0	0	0	0
	FINLAND	1	0	2	0	14	0	0	0	17	0
	FRANCE	0	0	0	0	269	0	0	0	269	0
	GERMANY	1	0	9	0	242	0	2	0	254	0
	IRELAND	3	0	423	0	1237	0	1	0	1664	0
	LATVIA	0	0	1	0	0	0	0	0	1	0
	POLAND	0	0	6	0	5	0	0	0	11	0
	PORTUGAL	0	0	6	0	70	0	0	0	76	0
	SLOVENIA	0	0	6	0	0	0	0	0	6	0
	SWEDEN	3	0	12	0	0	0	0	0	15	0
UNITED KINGDOM	2	0	5	0	129	0	0	0	136	0	
Total 2008		10	0	525	0	2089	0	4	0	2628	0
Total 2007-2008		35	0	710	0	3330	0	18	0	4093	0

Table C2: Results of the survey for chronic wasting disease in wild cervids according to Commission Decision 2007/182/EC

Year of sampling	Countries	Clinical/sick animals		Fallen animals		Healthy shot animal		Road injured/killed animal		Total tests	Total positives
		Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives		
2007	BELGIUM	46	0	32	0	0	0	14	0	92	0
	CZECH REPUBLIC	3	0	20	0	553	0	3	0	579	0
	DENMARK	0	0	0	0	0	0	113	0	113	0
	ESTONIA	0	0	3	0	25	0	1	0	29	0
	FINLAND	23	0	10	0	297	0	39	0	369	0
	FRANCE	0	0	8	0	265	0	0	0	273	0
	GERMANY	7	0	32	0	407	0	31	0	477	0
	HUNGARY	14	0	13	0	666	0	0	0	693	0
	IRELAND	0	0	1	0	6	0	1	0	8	0
	LATVIA	0	0	4	0	489	0	14	0	507	0
	LUXEMBOURG	1	0	0	0	10	0	0	0	11	0
	NETHERLANDS	0	0	318	0	0	0	0	0	318	0
	NORWAY	31	0	0	0	594	0	54	0	679	0
	PORTUGAL	0	0	2	0	0	0	1	0	3	0
	SLOVAKIA	0	0	6	0	587	0	12	0	605	0
	SLOVENIA	1	0	26	0	24	0	51	0	102	0
	SPAIN	0	0	12	0	241	0	0	0	253	0
	UNITED KINGDOM	1	0	0	0	284	0	3	0	288	0
Total 2007		127	0	487	0	4448	0	337	0	5399	0
2008	AUSTRIA	1	0	1	0	0	0	0	0	2	0
	CZECH REPUBLIC	2	0	5	0	74	0	0	0	81	0
	DENMARK	0	0	0	0	0	0	45	0	45	0
	ESTONIA	0	0	1	0	6	0	0	0	7	0
	FINLAND	5	0	2	0	54	0	11	0	72	0
	FRANCE	0	0	0	0	351	0		0	351	0
	GERMANY	3	0	58	0	388	0	35	0	484	0
	IRELAND	0	0	5	0	12	0	3	0	20	0
	LATVIA	0	0	14	0	83	0	10	0	107	0
	LUXEMBOURG	0	0	0	0	12	0	0	0	12	0
	NETHERLANDS	0	0	154	0	0	0	0	0	154	0
	POLAND	5	0	34	0	375	0	64	0	478	0
	PORTUGAL	0	0	2	0	0	0	1	0	3	0
	SLOVENIA	0	0	9	0	36	0	2	0	47	0
	SPAIN	1	0	10	0	196	0	0	0	207	0
	SWEDEN	78	0	44	0	3	0	55	0	180	0
UNITED KINGDOM	0	0	0	0	282	0	1	0	283	0	
Total 2008		95	0	339	0	1872	0	227	0	2533	0
Total 2007-2008		222	0	826	0	6320	0	564	0	7932	0