EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

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

Draft report on the monitoring and testing of ruminants for the presence of transmissible spongiform encephalopathies (TSEs) in the EU in 2009

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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 2009, a total of 7 467 350 bovine, 331 027 ovine and 117 868 caprine animals were tested in the EU 27 in the framework of the TSE monitoring programmes. 67 bovine, 1 158 ovine and 89 caprine animals turned out positive.

1 179 543 risk bovine animals and 6 285 912 healthy animals slaughtered for human consumption were tested by rapid tests. 843 bovine animals were tested in the framework of passive surveillance (animals reported as official BSE suspects. In addition, 1 052 animals were tested in the framework of culling of animals with an epidemiological connection to a BSE case. 97 % of positive cases were detected by the active monitoring (testing of risk animals, healthy slaughtered and culled cattle) and 3 % were detected by passive surveillance.

No BSE cases were found in Austria, Belgium, Bulgaria, Cyprus, Estonia, Finland, Greece, Hungary, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Romania, Slovakia, Slovenia and Sweden. The number of BSE cases and the overall prevalence in tested animals decreased by respectively 46 % and 28 % in 2009 compared to 2008.

330 366 ovine animals were tested by active monitoring, while 661 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 117 828 (active monitoring) and 40 (TSE suspects). Some 402 and 36 TSE cases in respectively sheep and goats confirmed in 2009 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, 1 236 animals were tested in 2009. 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 2009

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.

On 1st January 2009 and according to Decision 2008/908/EC, the EU-15 Member States were authorised to apply a revised BSE monitoring programme with an increased age limit for BSE testing. Slovenia was authorised to apply such a programme on 29 September 2009 according to Decision 2009/719/EC.

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, 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 2009

	EU 27 (-UK)	UK
Legal provisions	Regulation (EC) No 999/2001 as amended Commission Decision 2007/182/EC as amended Commission Decisions 2008/908/EC and 2009/719/EC	Regulation (EC) No 999/2001 as amended Regulation (CE) No 716/96 as amended Commission Decision 2007/182/EC as amended Commission Decisions 2008/908/EC and 2009/719/EC
Bovine animals		
Special emergency slaughter	For EU-15 + Slovenia*: all > 48 months For other MS : all > 24 months	
Clinical signs at AM	For EU-15 + Slovenia*: all > 48 months For other MS : all > 24 months	
Fallen stock	For EU-15 + Slovenia*: all > 48 months For other MS : all > 24 months	
Animals slaughtered for human consumption	For EU-15 + Slovenia*: all > 48 months For other MS : all > 30 months	All > 48 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 (Cervus elaphus) and/or wild white-tailed deer (Odocoileus virginianus)		
Other than bovine, ovine and caprine animals and cervids: voluntary		

*: as from 29 September 2009

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 data contained in the present report only refer to the test results obtained from samples taken from 1st January 2009 to 31st December 2009. However, as certain Member States may calculate their annual statistics using other reporting criteria (i.e. based on the date of final test results rather than the date of sampling), the data in this report may slightly differ from the national figures published by the Member States for 2009. The present report should be considered as a final update of the information received and as the Commission summary report for 2009 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 in 2009

	Age limit in months					
	Fallen Stock	Emergency	Clinical signs at	Healthy slaughtered	BSE eradication	BSE suspects
Belgique/België	> 48				> 24	No age limit
Bulgaria	> 24			> 30	No age limit	
Ceská Republika	> 24			> 30	No age limit	
Danmark	> 48				> 24	No age limit
Deutschland	> 48				No age limit	
Eesti	> 24			> 30	No age limit	
Ellas	> 48				No age limit	
España	> 36			> 48	No age limit	
France	> 24			> 48	> 24	No age limit
Ireland	> 48					No age limit
Italia	> 48				No age limit	
Kypros	> 24			> 30	No age limit	
Latvija	> 24			> 30	No age limit	
Lietuva	> 24			> 30	No age limit	
Luxembourg	> 24	> 48			> 24	No age limit
Magyarország	> 24			> 30	No age limit	
Malta	> 24			> 30	No age limit	
Nederland	> 48				No age limit	
Österreich	> 24	> 48			No age limit	
Polska	> 24			> 30	No age limit	
Portugal	> 36			> 48	> 24	No age limit
Romania	> 24			> 30	No age limit	
Slovenija	> 48*				No age limit	
Slovensko	> 24			> 30	No age limit	
Suomi/Finland	> 48				No age limit	
Sverige	> 48				No age limit	
United Kingdom	> 48				No age limit	
Norway	> 24			> 30	No age limit	

*: since 29 September 2009

The names of the 27 Member States in 2009 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
Bălgarija	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	Irelande	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 2009

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 16 June 2010. Information on adult cattle population in 2009 was obtained from Eurostat.

4.1. Sampling

Comments on the sampling

The monitoring programme carried out in 2009 was reduced compared to the programme carried out in 2008 because of the modification of the age limit for BSE testing in some Member States applicable since 1st January 2009. Over 88 million cattle have been tested in the EU since 2001.

Chart B1: Total tests performed in the period 2001-2009 in the EU

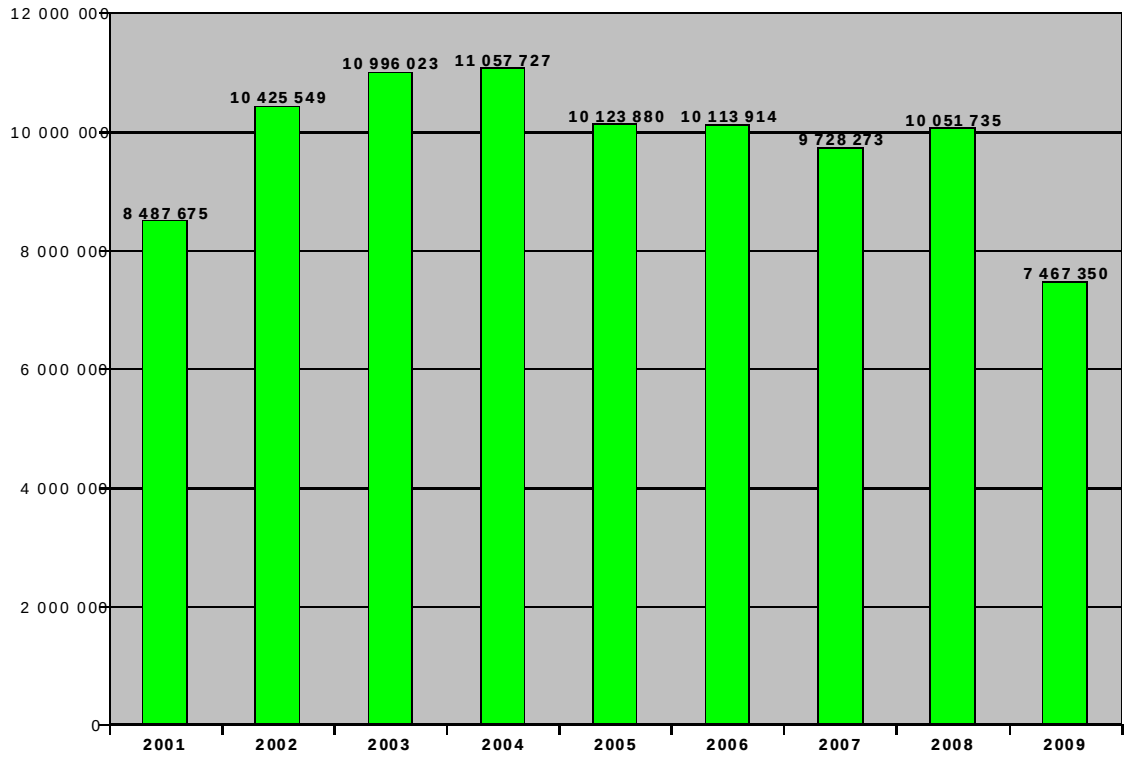


Table B1: Total tests performed and positive cases detected in 2009 per Member State and target group

	Clinical signs at AM		Emergency slaughter		Eradication Measures		Fallen stock		Healthy slaughtered animals		Suspects subject to laboratory examination				
	N° Tests	N° Positive cases	N° Tests	N° Positive cases	N° Tests	N° Positive cases	N° Tests	N° Positive cases	N° Tests	N° Positive cases	N° Tests	N° Positive cases	Total tests 2009	Total positive cases 2009	Ratio*
Belgique/België	119	0	322	0	0	0	26 202	0	199 299	0	37	0	**225 979**	**0**	**0.00**
Bulgaria	2	0	3 022	0	0	0	1 106	0	9 720	0	4	0	**13 854**	**0**	**0.00**
Ceská Republika	19	0	2 683	0	94	0	27 151	0	126 525	2	0	0	**156 472**	**2**	**0.13**
Danmark	9	0	566	0	4	0	25 047	0	133 375	1	2	0	**159 003**	**1**	**0.06**
Deutschland	2	0	6 341	0	569	0	139 137	1	1 053 339	1	517	0	**1 199 905**	**2**	**0.02**
Eesti	68	0	254	0	0	0	6 634	0	25 859	0	0	0	**32 815**	**0**	**0.00**
Ellas	3	0	67	0	0	0	3 867	0	21 872	0	0	0	**25 809**	**0**	**0.00**
España	665	0	687	0	112	0	99 650	8	367 041	9	13	1	**468 168**	**18**	**0.38**
France	0	0	12 617	1	22	0	286 474	7	1 468 348	2	9	0	**1 767 470**	**10**	**0.06**
Ireland	1 025	0	0	0	72	0	71 073	5	312 777	4	170	0	**385 117**	**9**	**0.23**
Italia	9 106	0	5 007	0	0	0	44 543	0	427 989	2	0	0	**486 645**	**2**	**0.04**
Kypros	6	0	91	0	0	0	1 089	0	6 851	0	0	0	**8 037**	**0**	**0.00**
Latvija	80	0	165	0	0	0	2 450	0	42 075	0	0	0	**44 770**	**0**	**0.00**
Lietuva	243	0	1 936	0	0	0	2 166	0	84 112	0	0	0	**88 457**	**0**	**0.00**
Luxembourg	0	0	3	0	0	0	3 452	0	5 521	0	1	0	**8 977**	**0**	**0.00**
Magyarország	21	0	872	0	0	0	12 198	0	75 532	0	16	0	**88 639**	**0**	**0.00**
Malta	0	0	39	0	0	0	48	0	2 756	0	0	0	**2 843**	**0**	**0.00**
Nederland	0	0	3 223	0	0	0	44 574	0	357 515	0	4	0	**405 316**	**0**	**0.00**
Österreich	286	0	1 469	0	0	0	19 245	0	170 503	0	2	0	**191 505**	**0**	**0.00**
Polska	9	0	6 811	0	5	0	43 935	1	587 339	3	7	0	**638 106**	**4**	**0.06**
Portugal	5 843	0	1 900	1	83	0	32 251	4	57 044	3	1	0	**97 122**	**8**	**0.82**
Romania	36	0	440	0	0	0	1 729	0	71 182	0	7	0	**73 394**	**0**	**0.00**
Slovenija	551	0	308	0	0	0	9 031	0	20 128	0	26	0	**30 044**	**0**	**0.00**
Slovensko	1	0	949	0	0	0	12 243	0	36 519	0	0	0	**49 712**	**0**	**0.00**
Suomi/Finland	109	0	358	0	0	0	10 767	0	60 705	0	3	0	**71 942**	**0**	**0.00**
Sverige	0	0	157	0	0	0	12 064	0	112 352	0	3	0	**124 576**	**0**	**0.00**
United Kingdom	678	0	1 639	1	91	0	170 610	8	449 634	1	21	1	**622 673**	**11**	**0.18**
EU 27	**18 881**	**0**	**51 926**	**3**	**1 052**	**0**	**1 108 736**	**34**	**6 285 912**	**28**	**843**	**2**	**7 467 350**	**67**	**0.09**
Norway	25	0	7 668	0	0	0	2 239	0	8 635	0	1	0	**18 568**	**0**	**0.00**
Others	**25**	**0**	**7 668**	**0**	**0**	**0**	**2 239**	**0**	**8 635**	**0**	**1**	**0**	**18 568**	**0**	**0.00**

** *Positive cases per 10 000 bovine animals tested*

Table B2: Active monitoring in relation to the adult population (> 2 years of age) in 2009

	Adult cattle pop. in 2009*	Risk Animals		Healthy Slaughtered	
		N° Tests	% tests/adult cattle	N° Tests	% tests/adult cattle
Belgique/België	1 345 200	26 643	1.98 %	199 299	14.82 %
Bulgaria	380 600	4 130	1.09 %	9 720	2.55 %
Ceská Republika	653 700	29 853	4.57 %	126 525	19.36 %
Danmark	760 000	25 622	3.37 %	133 375	17.55 %
Deutschland	5 866 500	145 480	2.48 %	1 053 339	17.96 %
Eesti	126 200	6 956	5.51 %	25 859	20.49 %
Ellas	355 000	3 937	1.11 %	21 872	6.16 %
España	3 167 600	101 002	3.19 %	367 041	11.59 %
France	10 466 900	299 091	2.86 %	1 468 348	14.03 %
Ireland	3 504 000	72 098	2.06 %	312 777	8.93 %
Italia	2 824 200	58 656	2.08 %	427 989	15.15 %
Kypros	25 300	1 186	4.69 %	6 851	27.08 %
Latvija	211 400	2 695	1.27 %	42 075	19.90 %
Lietuva	455 500	4 345	0.95 %	84 112	18.47 %
Luxembourg	99 500	3 455	3.47 %	5 521	5.55 %
Magyarország	365 000	13 091	3.59 %	75 532	20.69 %
Malta	9 200	87	0.95 %	2 756	29.96 %
Nederland	1 730 000	47 797	2.76 %	357 515	20.67 %
Österreich	938 500	21 000	2.24 %	170 503	18.17 %
Polska	3 024 600	50 755	1.68 %	587 339	19.42 %
Portugal	821 200	39 994	4.87 %	57 044	6.95 %
Romania	1 664 300	2 205	0.13 %	71 182	4.28 %
Slovenija	205 100	9 890	4.82 %	20 128	9.81 %
Slovensko	252 500	13 193	5.22 %	36 519	14.46 %
Suomi/Finland	377 300	11 234	2.98 %	60 705	16.09 %
Sverige	663 500	12 221	1.84 %	112 352	16.93 %
United Kingdom	4 717 000	172 927	3.67 %	449 634	9.53 %
Total EU 27	**45 009 800**	**1 179 543**	**2.62 %**	**6 285 912**	**13.97 %**
Norway	404 000	9 932	2.46 %	8 635	2.14 %
Total Others	**404 000**	**9 932**	**2.46 %**	**8 635**	**2.14 %**

**Eurostat February 2010*

Table B3: Comparative active monitoring 2009 versus 2008

	Healthy Slaughtered			Risk Animals			Total active monitoring		
	2008	2009	Diff	2008	2009	Diff	2008	2009	Diff
Belgique/België	317 233	199 299	-37,18 %	50 102	26 643	-46,82 %	367 335	225 942	-38,49 %
Bulgaria	12 129	9 720	-19,86 %	4 600	4 130	-10,22 %	16 729	13 850	-17,21 %
Ceská Republika	116 305	126 525	8,79 %	41 061	29 853	-27,30 %	157 391	156 472	-0,58 %
Danmark	190 824	133 375	-30,11 %	42 335	25 622	-39,48 %	233 159	159 001	-31,81 %
Deutschland	1 484 401	1 053 339	-29,04 %	238 853	145 480	-39,09 %	1 723 276	1 199 388	-30,40 %
Eesti	26 314	25 859	-1,73 %	7 299	6 956	-4,70 %	33 613	32 815	-2,37 %
Ellas	28 553	21 872	-23,40 %	5 229	3 937	-24,71 %	33 782	25 809	-23,60 %
España	418 331	367 041	-12,26 %	105 926	101 002	-4,65 %	524 548	468 155	-10,75 %
France	2 098 130	1 468 348	-30,02 %	315 844	299 091	-5,30 %	2 413 992	1 767 461	-26,78 %
Ireland	687 200	312 777	-54,49 %	100 380	72 098	-28,17 %	787 777	384 947	-51,14 %
Italia	576 786	427 989	-25,80 %	101 528	58 656	-42,23 %	678 314	486 645	-28,26 %
Kypros	7 481	6 851	-8,42 %	1 276	1 186	-7,05 %	8 757	8 037	-8,22 %
Latvija	44 806	42 075	-6,10 %	2 793	2 695	-3,51 %	47 599	44 770	-5,94 %
Lietuva	85 568	84 112	-1,70 %	7 905	4 345	-45,03 %	93 473	88 457	-5,37 %
Luxembourg	10 566	5 521	-47,75 %	3 285	3 455	5,18 %	13 851	8 976	-35,20 %
Magyarország	70 918	75 532	6,51 %	15 116	13 091	-13,40 %	86 034	88 623	3,01 %
Malta	2 308	2 756	19,41 %	115	87	-24,35 %	2 423	2 843	17,33 %
Nederland	406 263	357 515	-12,00 %	70 082	47 797	-31,80 %	476 352	405 312	-14,91 %
Österreich	203 716	170 503	-16,30 %	20 755	21 000	1,18 %	224 471	191 503	-14,69 %
Polska	556 583	587 339	5,53 %	54 967	50 755	-7,66 %	611 557	638 099	4,34 %
Portugal	55 844	57 044	2,15 %	42 120	39 994	-5,05 %	98 070	97 121	-0,97 %
Romania	127 947	71 182	-44,37 %	3 268	2 205	-32,53 %	131 215	73 387	-44,07 %
Slovenija	21 387	20 128	-5,89 %	9 715	9 890	1,80 %	31 102	30 018	-3,49 %
Slovensko	41 144	36 519	-11,24 %	14 055	13 193	-6,13 %	55 200	49 712	-9,94 %
Suomi/Finland	91 059	60 705	-33,33 %	19 034	11 234	-40,98 %	110 093	71 939	-34,66 %
Sverige	160 964	112 352	-30,20 %	20 983	12 221	-41,76 %	181 947	124 573	-31,53 %
United Kingdom	647 647	449 634	-30,57 %	259 245	172 927	-33,30 %	907 323	622 652	-31,37 %
Total EU 27	**8 490 407**	**6 285 912**	**-25,96 %**	**1 557 871**	**1 179 543**	**-24,28 %**	**10 049 383**	**7 466 507**	**-25,70 %**
Norway	9 373	8 635	-7,87 %	10 765	9 932	-7,74 %	20 138	18 567	-7,80 %
Total Others	**9 373**	**8 635**	**-7,87 %**	**10 765**	**9 932**	**-7,74 %**	**20 138**	**18 567**	**-7,80 %**

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 and has decreased since 2009 for some Member States due to the modification of the age limit for testing. 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 in tested animals (ratio of positives per 10 000 tests) is reducing since 2002 due to the decline in positive cases despite the number of tests carried out remained stable between 2002 and 2008, and decreased from 2009.

Overall the number of cases and the prevalence in tested animals of BSE dropped respectively by 46 % and 28 % in the EU in 2009 compared to 2008.

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

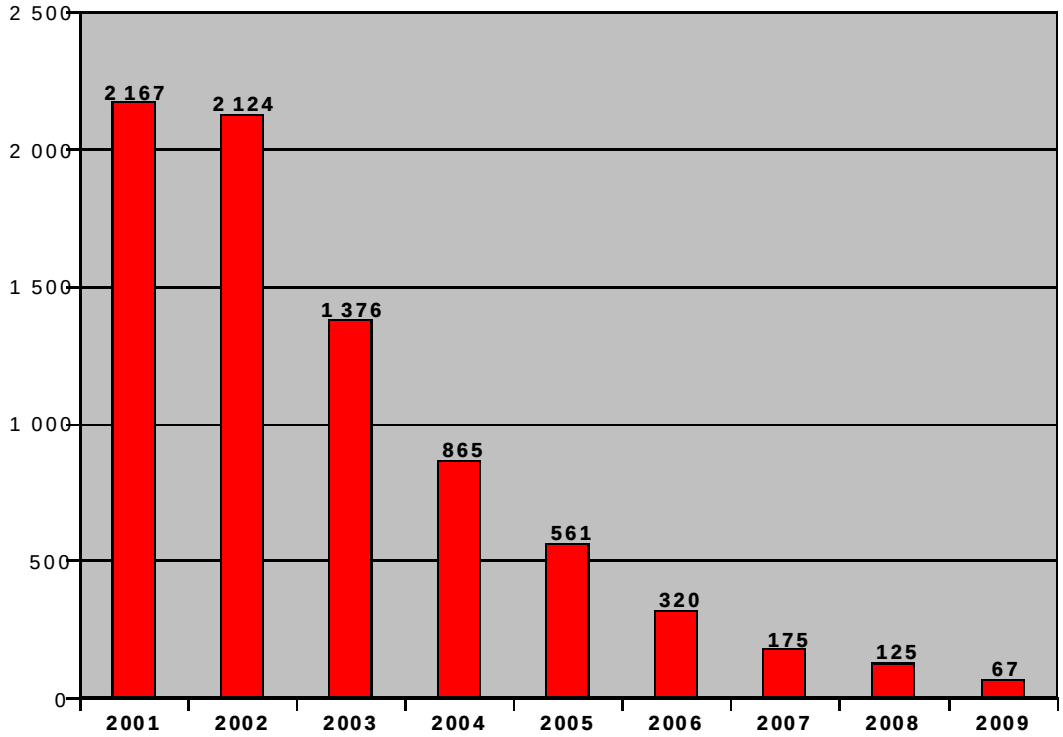


Chart B3: Evolution of the prevalence (ratio of BSE cases per 10 000 animals tested) of BSE positive cases in animals tested in the EU since 2001

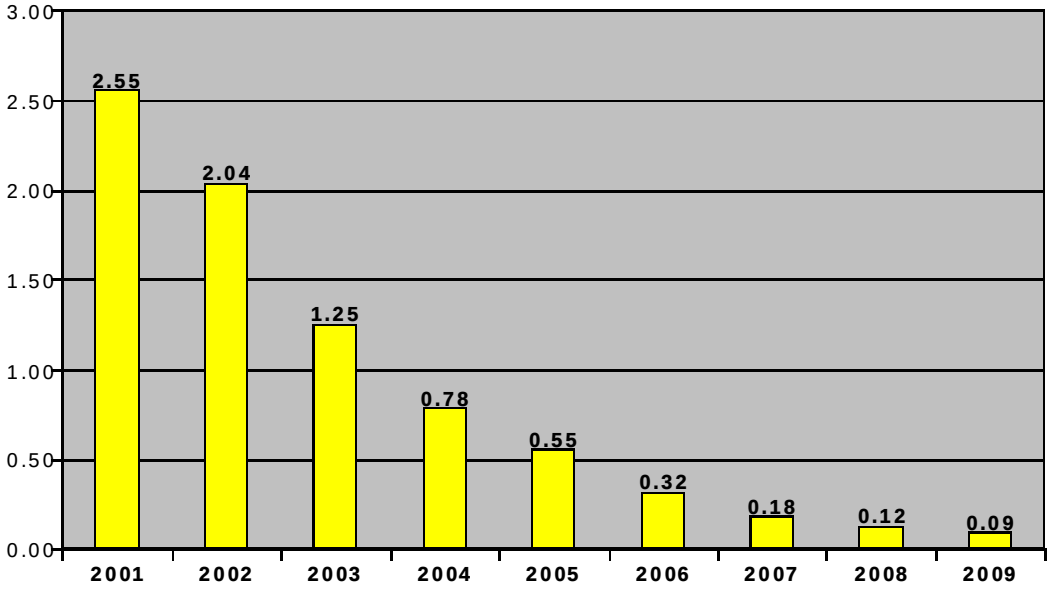


Table B4: Evolution of positive cases world-wide since BSE was recognised

EU	> 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	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	0	**133**
Ceská Republika	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	7	8	3	2	0	2	**30**
Danmark	0	0	0	0	0	1	0	0	0	0	0	0	0	1	6	3	2	1	1	0	0	0	1	**16**
Deutschland	0	0	0	0	0	1	0	3	0	0	2	0	0	7	125	106	54	65	32	16	4	2	2	**419**
Ellas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	**1**
España	0	0	0	0	0	0	0	0	0	0	0	0	0	2	83	134	173	138	103	68	40	25	18	**784**
France	0	0	0	0	5	0	1	4	3	12	6	18	31	162	277	240	138	54	31	8	8	8	10	**1 016**
Ireland	0	0	15	14	17	18	16	19	16	74	80	83	95	149	246	331	185	121	69	38	25	22	9	**1 642**
Italia	0	0	0	0	0	0	0	2	0	0	0	0	0	0	50	36	31	8	8	7	2	1	2	**147**
Luxembourg	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	**3**
Nederland	0	0	0	0	0	0	0	0	0	0	2	2	2	2	20	24	19	6	3	2	2	1	0	**85**
Österreich	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	2	1	0	0	**6**
Polska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	20	10	9	5	4	**64**
Portugal	0	0	0	1	1	1	3	12	15	31	30	127	159	150	113	86	133	91	51	33	14	18	8	**1 077**
Slovenija	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	0	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	0	**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	0	**1**
Sverige	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	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**	**56**	**5 448**
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	1125	614	343	226	129	65	42	11	**184 611**
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**	**11**	**184 611**
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**	**2009**	**Total**
Canada	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	5	3	4	1	**17**
Israel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	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	1	**36**
Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	2	0	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	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	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**	**2**	**523**

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.

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: 2 in 2001 and 2 in 2002

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

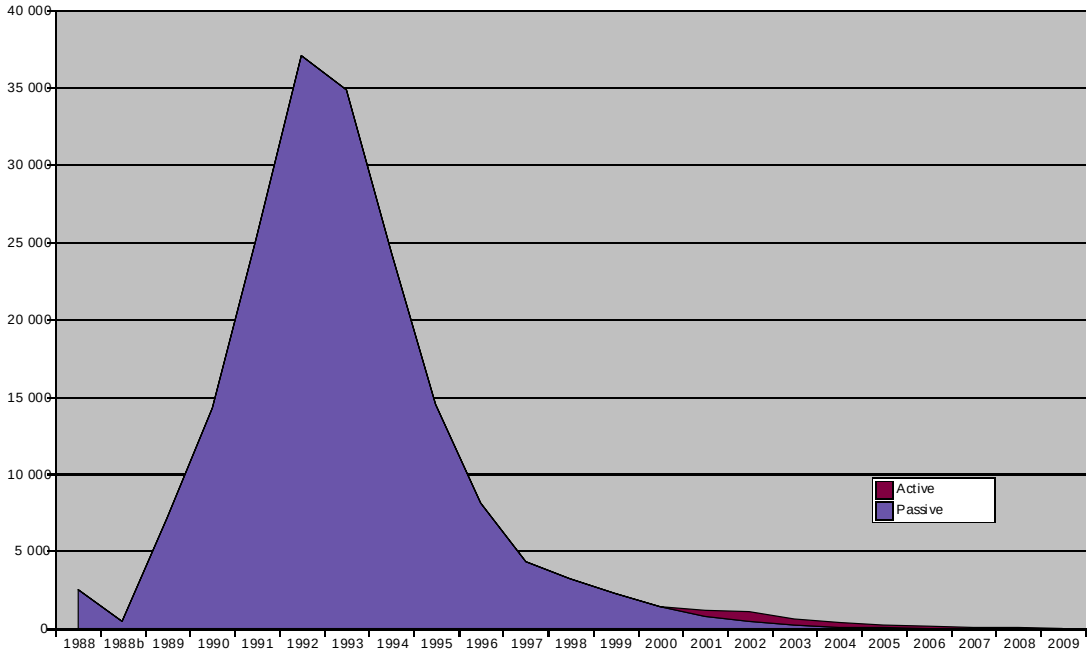


Chart B5: Evolution of BSE cases detected by passive surveillance and active monitoring in the rest of the EU

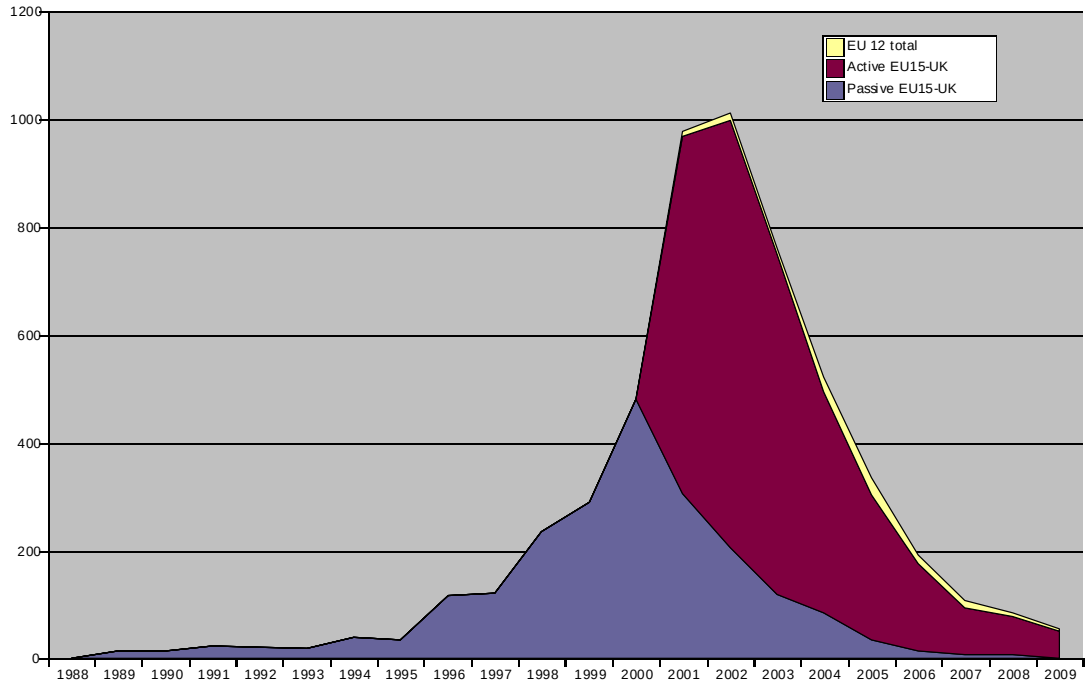


Table B5: Total positive cases per number of cattle tested or present in the adult population (> 24 months of age) in 2009

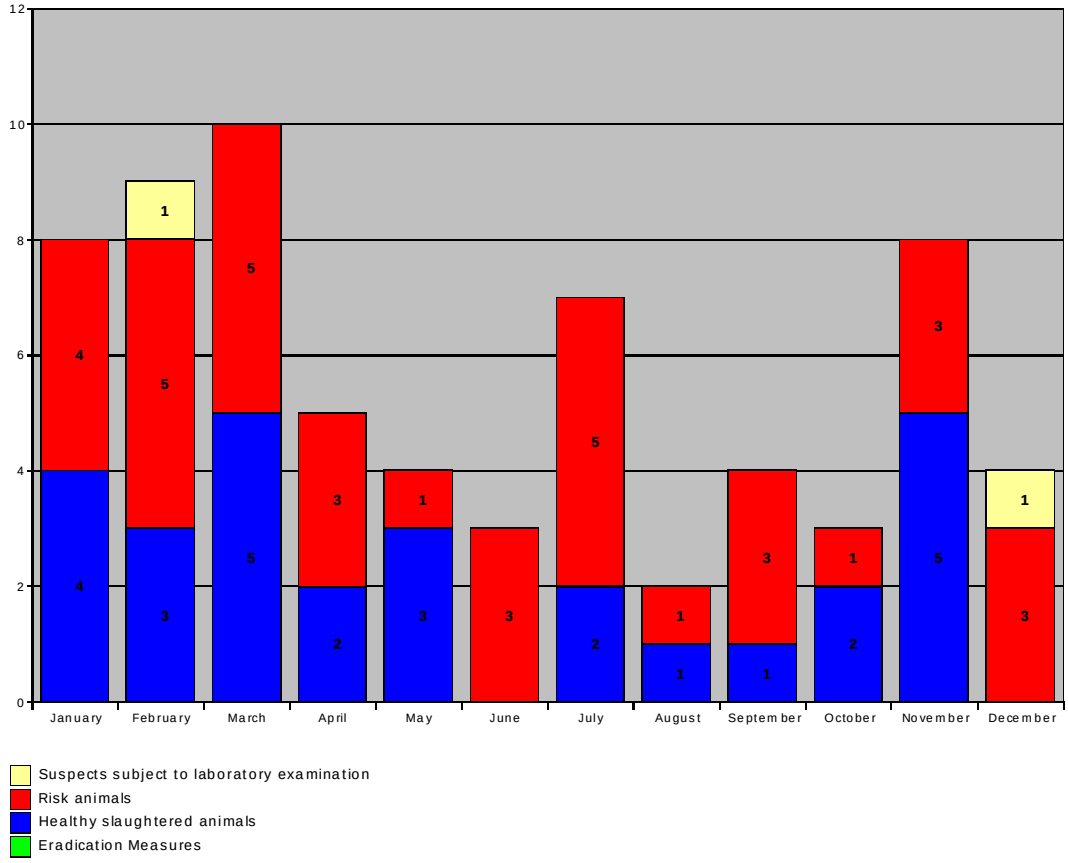
	Adult cattle population*	N° Tests	Positives	Ratio**	Prevalence pop***	
					Passive surveillance	Total monitoring
Belgique/België	1 345 200	225 979	0	0,00	0,00	0,00
Bulgaria	380 600	13 854	0	0,00	0,00	0,00
Ceská Republika	653 700	156 472	2	0,13	0.00	3,06
Danmark	760 000	159 003	1	0,06	0,00	1,32
Deutschland	5 866 500	1 199 905	2	0,02	0,00	0,34
Eesti	126 200	32 815	0	0,00	0.00	0,00
Ellas	355 000	25 809	0	0,00	0.00	0,00
España	3 167 600	468 168	18	0,38	0,32	5,68
France	10 466 900	1 767 470	10	0,06	0,00	0,96
Ireland	3 504 000	385 117	9	0,23	0,00	2,57
Italia	2 824 200	486 645	2	0,04	0.00	0,71
Kypros	25 300	8 037	0	0,00	0.00	0,00
Latvija	211 400	44 770	0	0,00	0.00	0,00
Lietuva	455 500	88 457	0	0,00	0.00	0,00
Luxembourg	99 500	8 977	0	0,00	0,00	0,00
Magyarország	365 000	88 639	0	0,00	0,00	0,00
Malta	9 200	2 843	0	0,00	0.00	0,00
Nederland	1 730 000	405 316	0	0,00	0,00	0,00
Österreich	938 500	191 505	0	0,00	0,00	0,00
Polska	3 024 600	638 106	4	0,06	0,00	1,32
Portugal	821 200	97 122	8	0,82	0,00	9,74
Romania	1 664 300	73 394	0	0,00	0,00	0,00
Slovenija	205 100	30 044	0	0,00	0,00	0,00
Slovensko	252 500	49 712	0	0,00	0.00	0,00
Suomi/Finland	377 300	71 942	0	0,00	0,00	0,00
Sverige	663 500	124 576	0	0,00	0,00	0,00
United Kingdom	4 717 000	622 673	11	0,18	0,21	2,33
Total EU 27	**45 009 800**	**7 467 350**	**67**	**0,09**	**0,04**	**1,49**
Norway	404 000	18 568	0	0,00	0,00	0,00
Total Others	**404 000**	**18 568**	**0**	**0,00**	**0,00**	**0,00**

***Eurostat February 2010**

**** 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 2009



Map 1: European countries where BSE positive cases were detected in 2009

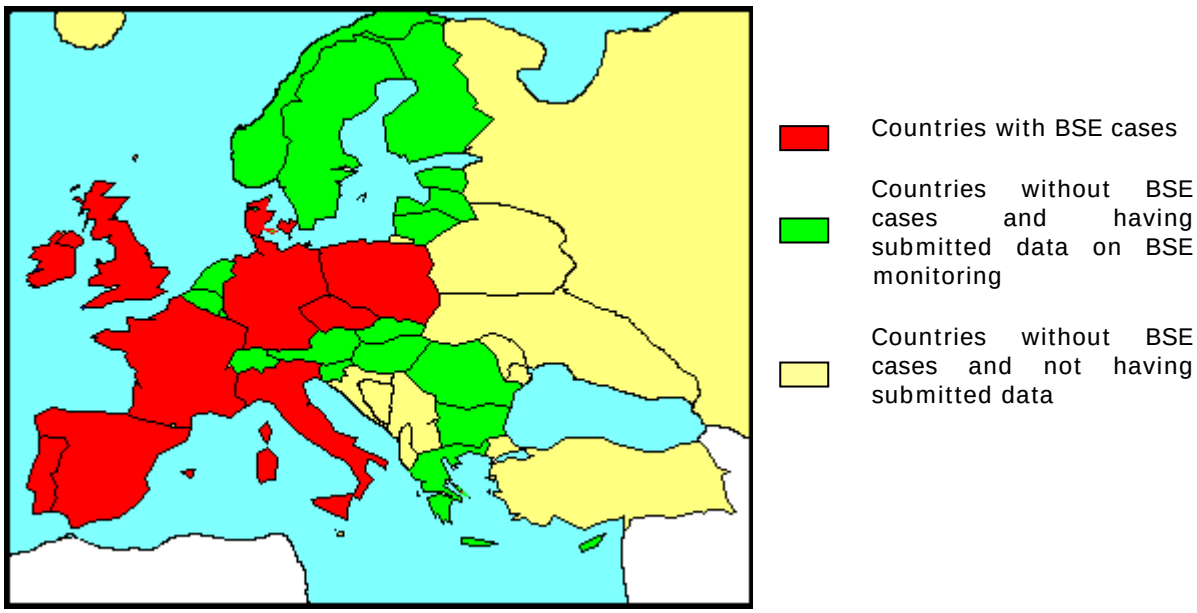
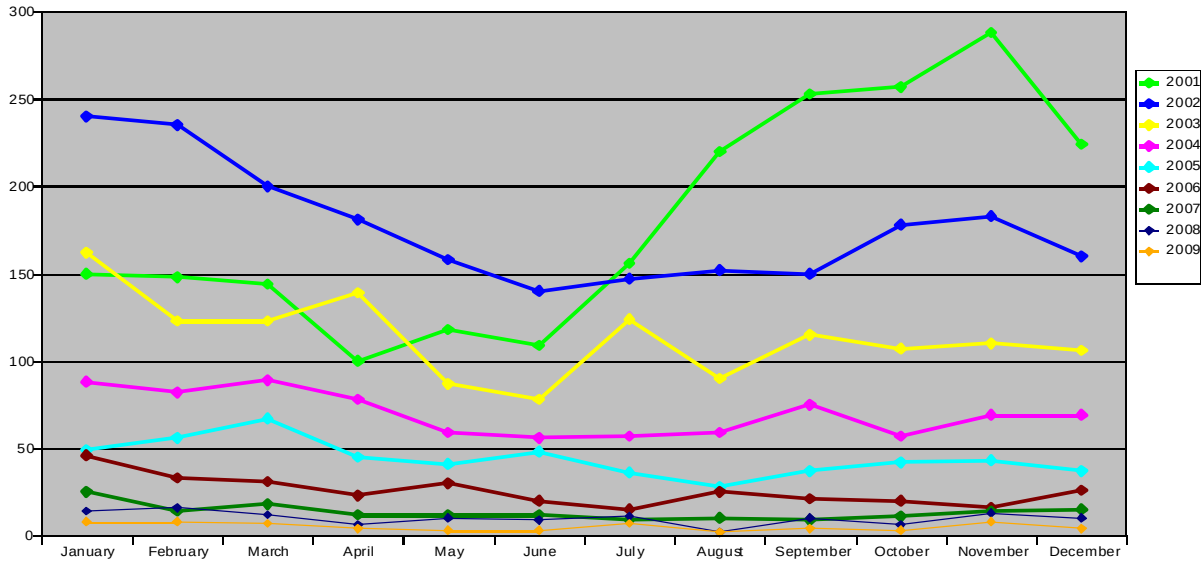


Table B6: Comparison of the number of positive cases and the prevalence in tested animals in 2009 and 2008

	Positives			Ratio*		
	2008	2009	Diff	2008	2009	Diff
Belgique/België	0	0	0 %	0,000	0,000	0 %
Danmark	0	1	0 %	0,000	0,063	
Deutschland	2	2	0 %	0,012	0,017	44 %
Ellas	0	0	0 %	0,000	0,000	0 %
España	25	18	-28 %	0,477	0,384	-19 %
France	8	10	25 %	0,033	0,057	71 %
Ireland	22	9	-59 %	0,279	0,234	-16 %
Italia	1	2	100 %	0,015	0,041	179 %
Luxembourg	0	0	0 %	0,000	0,000	0 %
Nederland	1	0	-100 %	0,021	0,000	-100 %
Österreich	0	0	0 %	0,000	0,000	0 %
Portugal	18	8	-56 %	1,835	0,824	-55 %
Suomi/Finland	0	0	0 %	0,000	0,000	0 %
Sverige	0	0	100 %	0,000	0,000	0 %
United Kingdom	42	11	-74 %	0,463	0,177	-62 %
Total EU 15	**119**	**61**	**-49 %**	**0,136**	**0,098**	**-28 %**
Bulgaria	0	0	0 %	0,000	0,000	0 %
Ceská Republika	0	2	0 %	0,000	0,128	
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	5	4	-20 %	0,082	0,063	-23 %
Romania	0	0	0 %	0,000	0,000	0 %
Slovenija	0	0	0 %	0,000	0,000	0 %
Slovensko	1	0	-100 %	0,181	0,000	-100 %
Total EU 12	**6**	**6**	**0 %**	**0,047**	**0,049**	**4 %**
Total EU 27	**125**	**67**	**-46 %**	**0,124**	**0,090**	**-28 %**

* 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
2009	8	8	7	4	3	3	7	2	4	3	8	4

4.3. Testing by target group

Table B7: Testing on emergency slaughtered bovine animals in 2009

	Emergency slaughter				
	N° tests	Positives	Ratio*		
			2009	2008	diff
Belgique/België	322	0	0,00	0,00	0 %
Danmark	566	0	0,00	0,00	0 %
Deutschland	6 341	0	0,00	0,90	-100 %
Ellas	67	0	0,00	0,00	0 %
España	687	0	0,00	20,12	-100 %
France	12 617	1	0,79	1,70	-53 %
Ireland	0	0	0.00	n/a	
Italia	5 007	0	0,00	0,00	0 %
Luxembourg	3	0	0,00	0,00	0 %
Nederland	3 223	0	0,00	0,00	0 %
Österreich	1 469	0	0,00	0,00	0 %
Portugal	1 900	1	5,26	11,44	-54 %
Suomi/Finland	358	0	0,00	0,00	0 %
Sverige	157	0	0,00	0,00	0 %
United Kingdom	1 639	1	6,10	3,02	102 %
Total EU 15	**34 356**	**3**	**0,873**	**1,494**	**-42 %**
Bulgaria	3 022	0	0,00	0,00	0 %
Ceská Republika	2 683	0	0,00	0,00	0 %
Eesti	254	0	0,00	0,00	0 %
Kypros	91	0	0,00	0,00	0 %
Latvija	165	0	0,00	0,00	0 %
Lietuva	1 936	0	0,00	0,00	0 %
Magyarország	872	0	0,00	0,00	0 %
Malta	39	0	0,00	0,00	0 %
Polska	6 811	0	0,00	2,28	-100 %
Romania	440	0	0,00	0,00	0 %
Slovenija	308	0	0,00	0,00	0 %
Slovensko	949	0	0,00	0,00	0 %
Total EU 12	**17 570**	**0**	**0,000**	**0,712**	**-100 %**
Norway	7 668	0	0,00	0,00	0 %
Total Others	**7 668**	**0**	**0,000**	**0,000**	**0 %**
Total EU 27	**51 926**	**3**	**0,578**	**1,172**	**-51 %**

* positive cases per 10 000 bovine animals tested

Table B8: Testing on bovine animals with clinical signs at ante-mortem inspection in 2009

	Clinical signs at ante-mortem inspection				
	N° tests	Positives	Ratio*		
			2009	2008	diff
Belgique/België	119	0	0,000	0,000	0 %
Danmark	9	0	0,000	0,000	0 %
Deutschland	2	0	0,000	0,000	0 %
Ellas	3	0	0,000	0,000	0 %
España	665	0	0,000	11,507	-100 %
France	0	0			0 %
Ireland	1 025	0	0,000	0,000	0 %
Italia	9 106	0	0,000	0,000	0 %
Luxembourg	0	0		0,000	0 %
Nederland	0	0			0 %
Österreich	286	0	0,000	0,000	0 %
Portugal	5 843	0	0,000	1,590	-100 %
Suomi/Finland	109	0	0,000	0,000	0 %
Sverige	0	0			0 %
United Kingdom	678	0	0,000	0,000	0 %
Total EU 15	**17 845**	**0**	**0,000**	**0,496**	**-100 %**
Bulgaria	2	0	0,000		0 %
Ceská Republika	19	0	0,000	0,000	0 %
Eesti	68	0	0,000	0,000	0 %
Kypros	6	0	0,000		0 %
Latvija	80	0	0,000	0,000	0 %
Lietuva	243	0	0,000	0,000	0 %
Magyarország	21	0	0,000	0,000	0 %
Malta	0	0			0 %
Polska	9	0	0,000	0,000	0 %
Romania	36	0	0,000	0,000	0 %
Slovenija	551	0	0,000	0,000	0 %
Slovensko	1	0	0,000	0,000	0 %
Total EU 12	**1 036**	**0**	**0,000**	**0,000**	**0 %**
Norway	25	0	0,000	0,000	0 %
Total Others	**25**	**0**	**0,000**	**0,000**	**0 %**
Total EU 27	**18 881**	**0**	**0,000**	**0,480**	**-100 %**

* positive cases per 10 000 bovine animals tested

Table B9: Testing on fallen stock in 2009

	Fallen stock				
	N°	Positives	Ratio*		
	tests		2009	2008	diff
Belgique/België	26 202	0	0,000	0,000	0 %
Danmark	25 047	0	0,000	0,000	0 %
Deutschland	139 137	1	0,072	0,000	7 %
Ellas	3 867	0	0,000	0,000	0 %
España	99 650	8	0,803	1,339	-40 %
France	286 474	7	0,244	0,194	26 %
Ireland	71 073	5	0,704	1,630	-57 %
Italia	44 543	0	0,000	0,000	0 %
Luxembourg	3 452	0	0,000	0,000	0 %
Nederland	44 574	0	0,000	0,153	-100 %
Österreich	19 245	0	0,000	0,000	0 %
Portugal	32 251	4	1,240	2,347	-47 %
Suomi/Finland	10 767	0	0,000	0,000	0 %
Sverige	12 064	0	0,000	0,000	0 %
United Kingdom	170 610	8	0,469	1,264	-63 %
Total EU 15	**988 956**	**33**	**0,334**	**0,585**	**-43 %**
Bulgaria	1 106	0	0,000	0,000	0 %
Ceská Republika	27 151	0	0,000	0,000	0 %
Eesti	6 634	0	0,000	0,000	0 %
Kypros	1 089	0	0,000	0,000	0 %
Latvija	2 450	0	0,000	0,000	0 %
Lietuva	2 166	0	0,000	0,000	0 %
Magyarország	12 198	0	0,000	0,000	0 %
Malta	48	0	0,000	0,000	0 %
Polska	43 935	1	0,228	0,000	23 %
Romania	1 729	0	0,000	0,000	0 %
Slovenija	9 031	0	0,000	0,000	0 %
Slovensko	12 243	0	0,000	0,000	0 %
Total EU 12	**119 780**	**1**	**0,083**	**0,000**	**0 %**
Norway	2 239	0	0,000	0,000	0 %
Total Others	**2 239**	**0**	**0,000**	**0,000**	**0 %**
Total EU 27	**1 108 736**	**34**	**0,307**	**0,532**	**-42 %**

* positive cases per 10 000 bovine animals tested

Table B10: Testing on all risk bovine animals (Fallen stock, bovine animals with clinical signs at ante-mortem inspection and emergency slaughter) in 2009

			Total risk animals		
	N° tests	Positives	Ratio*		
			2009	2008	diff
Belgique/België	26 643	0	0,000	0,000	0 %
Danmark	25 622	0	0,000	0,000	0 %
Deutschland	145 480	1	0,069	0,042	64 %
Ellas	3 937	0	0,000	0,000	0 %
España	101 002	8	0,792	1,510	-48 %
France	299 091	8	0,267	0,222	21 %
Ireland	72 098	5	0,694	1,594	-56 %
Italia	58 656	0	0,000	0,000	0 %
Luxembourg	3 455	0	0,000	0,000	0 %
Nederland	47 797	0	0,000	0,143	-100 %
Österreich	21 000	0	0,000	0,000	0 %
Portugal	39 994	5	1,250	2,612	-52 %
Suomi/Finland	11 234	0	0,000	0,000	0 %
Sverige	12 221	0	0,000	0,000	0 %
United Kingdom	172 927	9	0,520	1,273	-59 %
Total EU 15	**1 041 157**	**36**	**0,346**	**0,609**	**-43 %**
Bulgaria	4 130	0	0,000	0,000	0 %
Ceská Republika	29 853	0	0,000	0,000	0 %
Eesti	6 956	0	0,000	0,000	0 %
Kypros	1 186	0	0,000	0,000	0 %
Latvija	2 695	0	0,000	0,000	0 %
Lietuva	4 345	0	0,000	0,000	0 %
Magyarország	13 091	0	0,000	0,000	0 %
Malta	87	0	0,000	0,000	0 %
Polska	50 755	1	0,197	0,364	-46 %
Romania	2 205	0	0,000	0,000	0 %
Slovenija	9 890	0	0,000	0,000	0 %
Slovensko	13 193	0	0,000	0,000	0 %
Total EU 12	**138 386**	**1**	**0,072**	**0,123**	**-41 %**
Norway	9 932	0	0,000	0,000	0 %
Total Others	**9 932**	**0**	**0,000**	**0,000**	**0 %**
Total EU 27	**1 179 543**	**37**	**0,314**	**0,558**	**-44 %**

* positive cases per 10 000 bovine animals tested

Table B11: Testing on healthy slaughtered bovine animals in 2009

	Healthy slaughtered					
	N° tests	Positives	Ratio *			
			2009	2008	diff	
Belgique/België	199 299	0	0,000	0,000	0,00 %	0,00 %
Danmark	133 375	1	0,075	0,000	0,00 %	0,00 %
Deutschland	1 053 339	1	0,009	0,007	40,92 %	40,92 %
Ellas	21 872	0	0,000	0,000	0,00 %	0,00 %
España	367 041	9	0,245	0,143	70,96 %	70,96 %
France	1 468 348	2	0,014	0,005	185,78 %	185,78 %
Ireland	312 777	4	0,128	0,044	192,95 %	192,95 %
Italia	427 989	2	0,047	0,017	169,53 %	169,53 %
Luxembourg	5 521	0	0,000	0,000	0,00 %	0,00 %
Nederland	357 515	0	0,000	0,000	0,00 %	0,00 %
Österreich	170 503	0	0,000	0,000	0,00 %	0,00 %
Portugal	57 044	3	0,526	0,895	-41,26 %	-41,26 %
Suomi/Finland	60 705	0	0,000	0,000	0,00 %	0,00 %
Sverige	112 352	0	0,000	0,000	0,00 %	0,00 %
United Kingdom	449 634	1	0,022	0,093	-75,99 %	-75,99 %
Total EU 15	**5 197 314**	**23**	**0,044**	**0,031**	**41,95 %**	
Bulgaria	9 720	0	0,000	0,000	0,00 %	0,00 %
Ceská Republika	126 525	2	0,158	0,000	0,00 %	0,00 %
Eesti	25 859	0	0,000	0,000	0,00 %	0,00 %
Kypros	6 851	0	0,000	0,000	0,00 %	0,00 %
Latvija	42 075	0	0,000	0,000	0,00 %	0,00 %
Lietuva	84 112	0	0,000	0,000	0,00 %	0,00 %
Magyarország	75 532	0	0,000	0,000	0,00 %	0,00 %
Malta	2 756	0	0,000	0,000	0,00 %	0,00 %
Polska	587 339	3	0,051	0,054	-5,24 %	-5,24 %
Romania	71 182	0	0,000	0,000	0,00 %	0,00 %
Slovenija	20 128	0	0,000	0,000	0,00 %	0,00 %
Slovensko	36 519	0	0,000	0,243	-100,00 %	-100,00 %
Total EU 12	**1 088 598**	**5**	**0,046**	**0,036**	**27,79 %**	
Norway	8 635	0	0,000	0,000	0,00 %	0,00 %
Total Others	**8 635**	**0**	**0,000**	**0,000**	**0,00 %**	
Total EU 27	**6 285 912**	**28**	**0,045**	**0,032**	**40,07 %**	

* positive cases per 10 000 bovine animals tested

Table B12: Testing on bovine animals culled in the frame of BSE eradication in 2009

	Eradication measures				
	N° tests	Positives	Ratio*		
			2009	2008	diff
Belgique/België	0	0	0.00		
Danmark	4	0	0,00		
Deutschland	569	0	0,00	0,00	0 %
Ellas	0	0	0.00		
España	112	0	0,00	0,00	0 %
France	22	0	0,00	0,00	0 %
Ireland	72	0	0,00	50,76	-100 %
Italia	0	0	0.00		
Luxembourg	0	0	0.00		
Nederland	0	0	0,00	0,00	0 %
Österreich	0	0	0,00	0,00	0 %
Portugal	83	0	0,00	0,00	0 %
Suomi/Finland	0	0	0.00		
Sverige	0	0	0.00		
United Kingdom	91	0	0,00	23,20	-100 %
Total EU 15	**953**	**0**	**0,00**	**18,66**	**-100 %**
Bulgaria	0	0	0.00		
Ceská Republika	94	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	5	0	0,00	0,00	0 %
Slovenija	0	0	0.00		
Slovensko	0	0	0.00	0,00	0 %
Total EU 12	**99**	**0**	**0,00**	**0,00**	**0 %**
Norway	0	0	0.00		
Total Others					
Total EU 27	**1 052**	**0**	**0,00**	**18,10**	**-100 %**

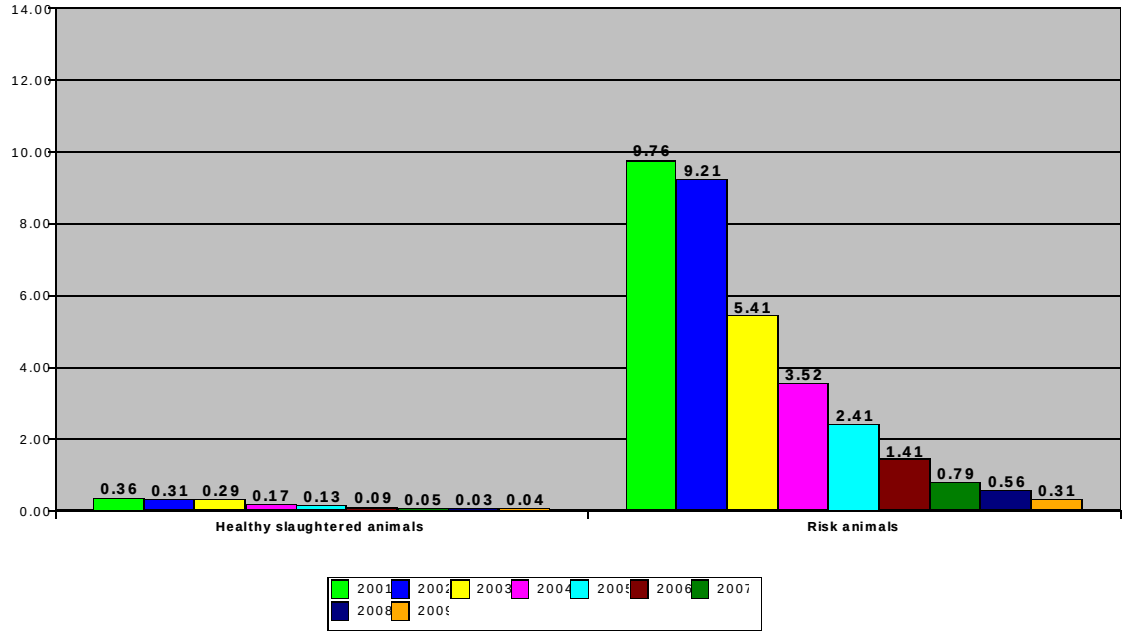
* positive cases per 10 000 bovine animals tested

Table B13: Total of testing by active monitoring

	Total active monitoring				
	N°	Positives	Ratio*		
			2009	2008	diff
Belgique/België	225 942	0	0,000	0,000	0 %
Danmark	159 001	1	0,063	0,000	6 %
Deutschland	1 199 388	2	0,017	0,012	44 %
Ellas	25 809	0	0,000	0,000	0 %
España	468 155	17	0,363	0,419	-13 %
France	1 767 461	10	0,057	0,033	71 %
Ireland	384 947	9	0,234	0,254	-8 %
Italia	486 645	2	0,041	0,015	179 %
Luxembourg	8 976	0	0,000	0,000	0 %
Nederland	405 312	0	0,000	0,021	-100 %
Österreich	191 503	0	0,000	0,000	0 %
Portugal	97 121	8	0,824	1,631	-50 %
Suomi/Finland	71 939	0	0,000	0,000	0 %
Sverige	124 573	0	0,000	0,000	0 %
United Kingdom	622 652	10	0,161	0,441	-64 %
Total EU 15	**6 239 424**	**59**	**0,095**	**0,125**	**-25 %**
Bulgaria	13 850	0	0,000	0,000	0 %
Ceská Republika	156 472	2	0,128	0,000	13 %
Eesti	32 815	0	0,000	0,000	0 %
Kypros	8 037	0	0,000	0,000	0 %
Latvija	44 770	0	0,000	0,000	0 %
Lietuva	88 457	0	0,000	0,000	0 %
Magyarország	88 623	0	0,000	0,000	0 %
Malta	2 843	0	0,000	0,000	0 %
Polska	638 099	4	0,063	0,082	-23 %
Romania	73 387	0	0,000	0,000	0 %
Slovenija	30 018	0	0,000	0,000	0 %
Slovensko	49 712	0	0,000	0,181	-100 %
Total EU 12	**1 227 083**	**6**	**0,049**	**0,047**	**4 %**
Norway	18 567	0	0,000	0,000	0 %
Total Others	**18 567**	**0**	**0,000**	**0,000**	**0 %**
Total EU 27	**7 466 507**	**65**	**0,087**	**0,115**	**-25 %**

* 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 2009. Testing older cattle decreases the denominator and result in a higher calculated prevalence. 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 B14: Age distribution (age group of months) of all BSE positive cases with known age in 2009

	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
Danmark	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Deutschland	No of cases	0	0	0	0	0	0	0	0	1	0	0	0	0	1
España	No of cases	0	0	0	0	0	0	0	0	2	4	3	2	1	6
France	No of cases	0	0	0	0	0	0	0	0	0	0	2	0	2	6
Ireland	No of cases	0	0	0	0	0	1	1	0	1	1	0	0	0	5
Italia	No of cases	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Portugal	No of cases	0	0	0	0	0	0	0	0	0	1	0	0	0	5
United Kingdom	No of cases	0	0	0	0	0	2	1	1	0	0	0	0	1	6
Total EU 15	**No of cases**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**1**	**4**	**6**	**5**	**3**	**4**	**31**
Ceská Republika	No of cases	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Polska	No of cases	0	0	0	0	0	0	0	0	0	3	1	0	0	1
Total EU 12	**No of cases**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**3**	**1**	**0**	**0**	**1**

Chart B9: Average age (in months) of BSE positive cases detected in the EU from 2001 to 2009

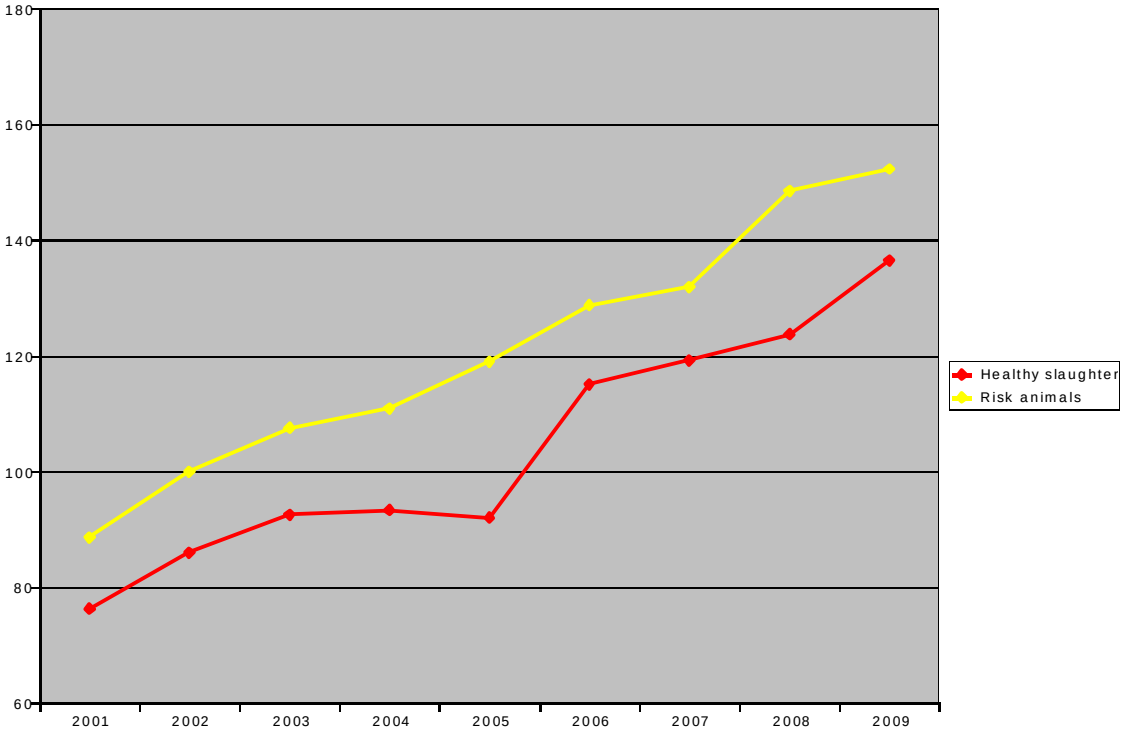


Table B15: Age distribution (age group of months) of positive cases with a known age in risk animals (Fallen stock, emergency slaughter and clinical signs at Ante-Mortem inspection) in 2009

	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	0	0	0	0	0	1
España	No of cases	0	0	0	0	0	0	0	0	0	1	1	1	1	3
France	No of cases	0	0	0	0	0	0	0	0	0	0	1	0	2	5
Ireland	No of cases	0	0	0	0	0	0	0	0	1	1	0	0	0	3
Portugal	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	0	4
United Kingdom	No of cases	0	0	0	0	0	2	1	1	0	0	0	0	0	5
EU 15	**Total No of cases**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**1**	**1**	**2**	**2**	**1**	**3**	**21**
Polska	No of cases	0	0	0	0	0	0	0	0	0	2	0	0	0	0
EU 12	**Total No of cases**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**

Table B16: Age distribution (age group of months) of positive cases with known age in healthy slaughtered bovine animals in 2009

	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
Danmark	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	1	3	2	1	0	3
France	No of cases	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Ireland	No of cases	0	0	0	0	0	1	1	0	0	0	0	0	0	2
Italia	No of cases	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Portugal	No of cases	0	0	0	0	0	0	0	0	0	1	0	0	0	1
United Kingdom	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0
EU 15	**Total No of cases**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**2**	**4**	**3**	**2**	**1**	**9**
Ceská Republika	No of cases	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Polska	No of cases	0	0	0	0	0	0	0	0	0	1	1	0	0	1
EU 12	**Total No of cases**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**

Table B17: Age distribution (age group of months) of positive cases in BSE suspects in 2009

		1	2	2	3	4	5	6	7	8	9	10	11	12	>12
		<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
España	No of cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0
United Kingdom	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1
EU 15	**No of cases**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**

Table B18: Average age (in months) per target group of BSE positive cases detected in the EU from 2001 to 2009

	BSE eradication								Healthy slaughtered									Risk animals									BSE suspects								
	2001	2002	2003	2004	2005	2006	2007	2008	2001	2002	2003	2004	2005	2006	2007	2008	2009	2001	2002	2003	2004	2005	2006	2007	2008	2009	2001	2002	2003	2004	2005	2006	2007	2008	2009
Belgique / België	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	0.0	73.6	84.0	81.6	83.0	0.0	178.0	0.0	0.0	0.0	73.9	81.0	0.0	82.3	95.0	0.0	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	172.0	78.0	64.0	0.0	166.0	113.0	0.0	0.0	0.0	0.0	48.0	0.0	66.0	0.0	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	107.0	63.8	78.5	73.4	71.2	80.3	88.9	87.7	97.0	159.0	64.7	70.5	71.7	68.7	0.0	70.0	0.0	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	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	145.0	72.5	76.4	84.2	81.5	79.1	89.7	101.5	129.7	161.4	64.3	86.6	74.0	82.7	82.1	82.3	89.0	120.7	103.0
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	139.0	79.3	85.8	97.7	110.5	105.6	131.8	124.2	145.6	169.9	74.9	84.1	81.8	111.4	121.0	0.0	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	123.0	83.5	95.6	104.6	117.1	120.9	136.9	154.1	147.0	144.0	82.4	91.5	100.0	118.1	136.8	113.8	166.2	108.0	0.0
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	147.5	71.9	75.9	97.3	93.5	115.0	72.0	171.0	0.0	0.0	0.0	0.0	96.0	0.0	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	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	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	0.0	71.0	73.0	69.8	84.0	58.0	0.0	86.5	98.0	0.0	78.0	75.0	79.0	0.0	0.0	106.0	0.0	0.0	0.0
Österreich	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	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	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	145.0	82.3	85.2	90.8	103.2	121.4	125.7	147.8	162.2	167.8	81.9	88.2	93.5	100.8	101.5	147.0	82.0	179.0	0.0
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	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	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	0.0	134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	150.0	101.1	110.9	119.9	128.3	136.1	142.8	135.2	154.5	136.4	89.4	101.0	108.4	119.1	127.6	126.8	155.4	116.0	180.0
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**	**140.61**	**88.68**	**100.08**	**107.73**	**111.80**	**119.66**	**129.90**	**132.86**	**149.53**	**154.91**	**86.52**	**96.95**	**100.53**	**110.65**	**115.23**	**109.43**	**145.27**	**123.63**	**141.50**
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	91.0	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	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	135.3	0.0	0.0	0.0	114.7	107.5	131.7	121.0	105.5	108.0	0.0	102.0	67.0	0.0	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	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	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	0.0	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	0.0	0.0
EU 12					**58.00**				**79.00**	**87.63**	**73.13**	**81.60**	**79.28**	**99.10**	**93.00**	**74.50**	**117.60**	**78.33**	**78.50**	**70.00**	**76.83**	**71.33**	**116.75**	**115.17**	**105.50**	**108.00**		**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**	**136.5**	**88.6**	**100.0**	**107.6**	**111.0**	**118.5**	**129.6**	**131.9**	**148.5**	**152.3**	**86.5**	**97.0**	**100.4**	**110.6**	**115.2**	**109.4**	**145.3**	**123.6**	**141.5**

Chart B10: Average age (in months) per target group of BSE positive cases detected in EU 27 from 2004 to 2008

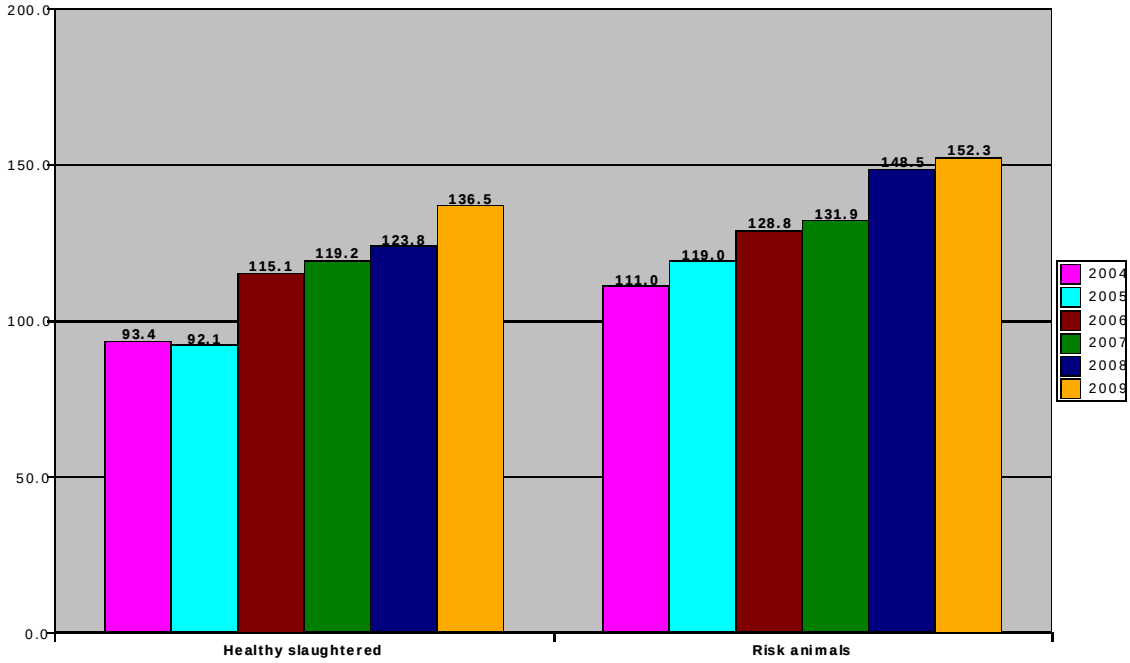


Chart B11: Average age (in months) per target group of BSE positive cases detected in EU 15 from 2001 to 2008

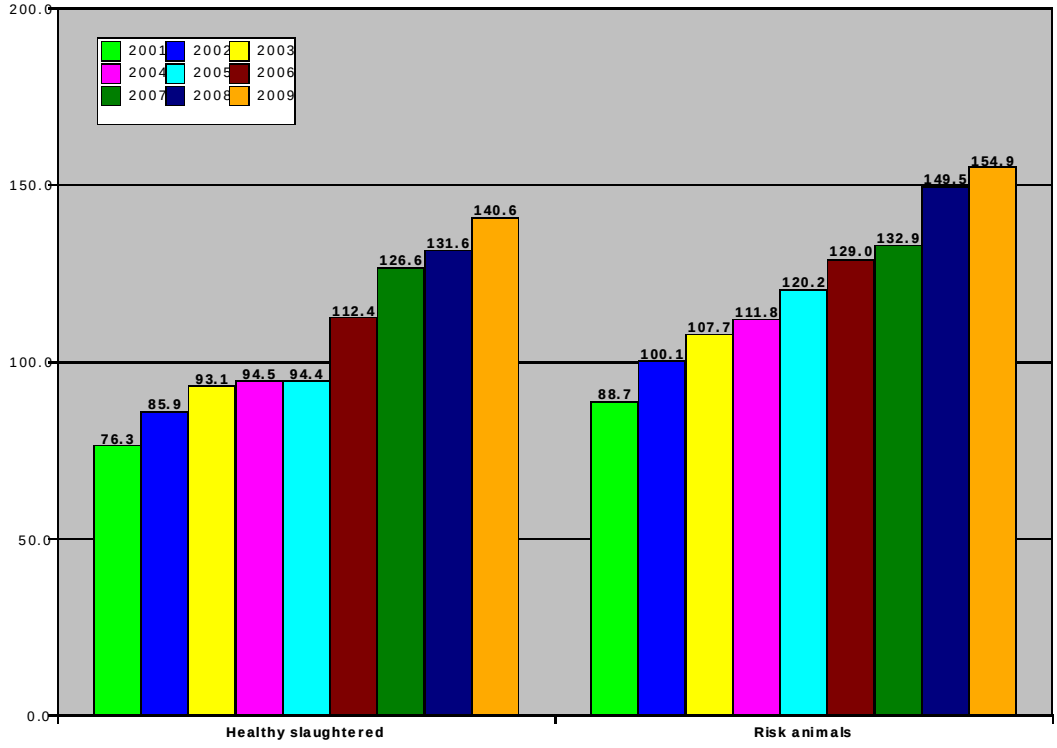
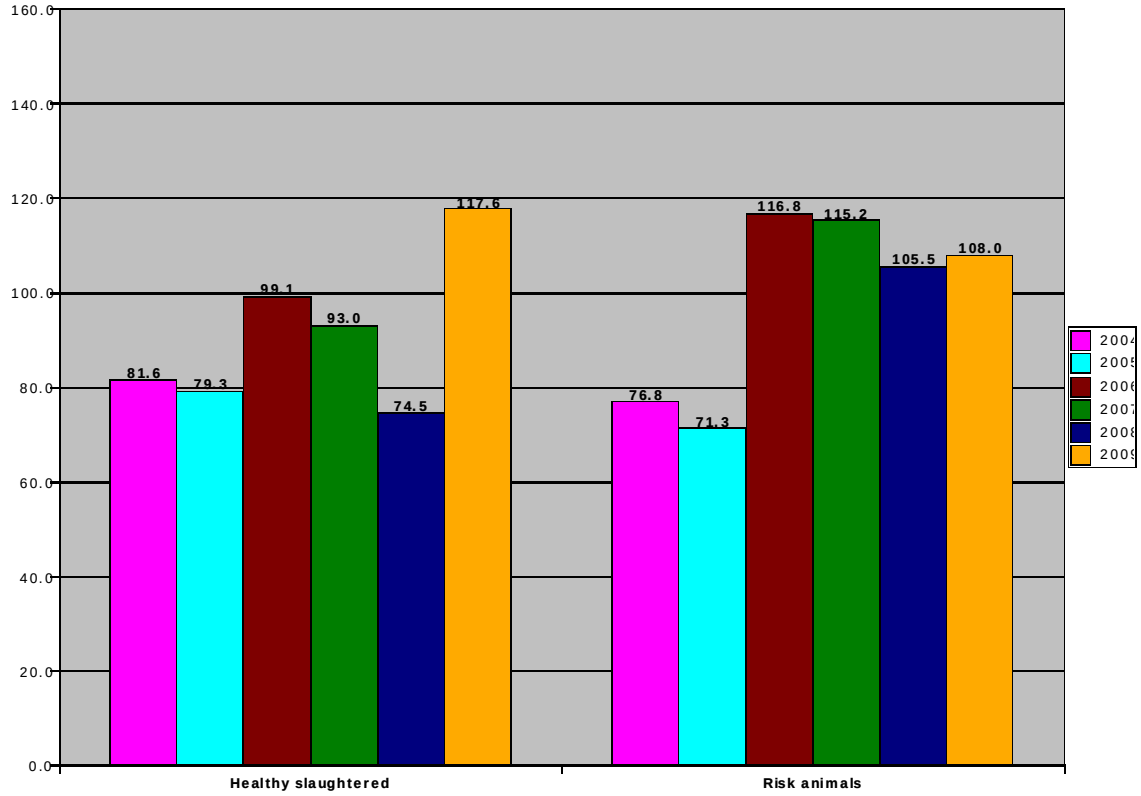


Chart B12: Average age (in months) per target group of BSE positive cases detected in EU 12 from 2004 to 2009



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 2009 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 2009. 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 B19: 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	1	7	2	2	0	0	0	0	0	0	0
Deutschland	No of cases	1	2	2	2	3	15	84	135	44	34	54	28	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	12	5	0	7	38	41	96	115	156	138	80	74	4	2	0	0	0
France	No of cases	4	4	5	13	66	186	300	91	42	17	10	5	1	0	0	0	0
Ireland	No of cases	23	17	29	45	116	196	402	180	15	6	8	6	5	2	2	1	0
Italia	No of cases	3	0	1	4	5	14	27	53	26	4	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	113	69	87	84	48	14	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	389	640	976	855	117	56	51	35	13	7	8	5	0	0
Total EU 15	**No of cases**	**313**	**146**	**250**	**481**	**963**	**1 563**	**1 870**	**862**	**454**	**309**	**208**	**134**	**23**	**13**	**7**	**1**	**0**
Ceská Republika	No of cases	0	0	0	0	0	0	4	2	4	3	3	12	1	0	1	1	0
Polska	No of cases	0	0	0	3	0	5	8	12	6	6	12	9	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**	**22**	**19**	**11**	**10**	**17**	**30**	**9**	**1**	**3**	**2**	**1**

Charts B13 and B14: Distribution of number of BSE cases per year of birth

Chart B13

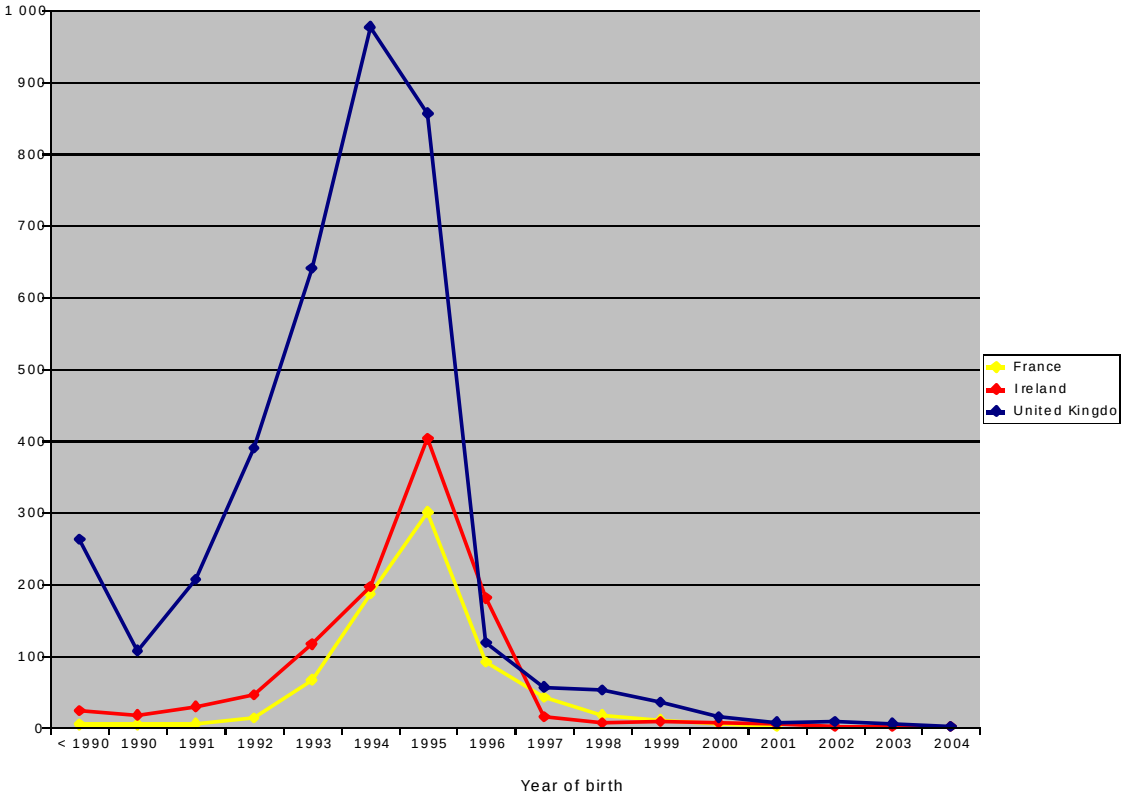
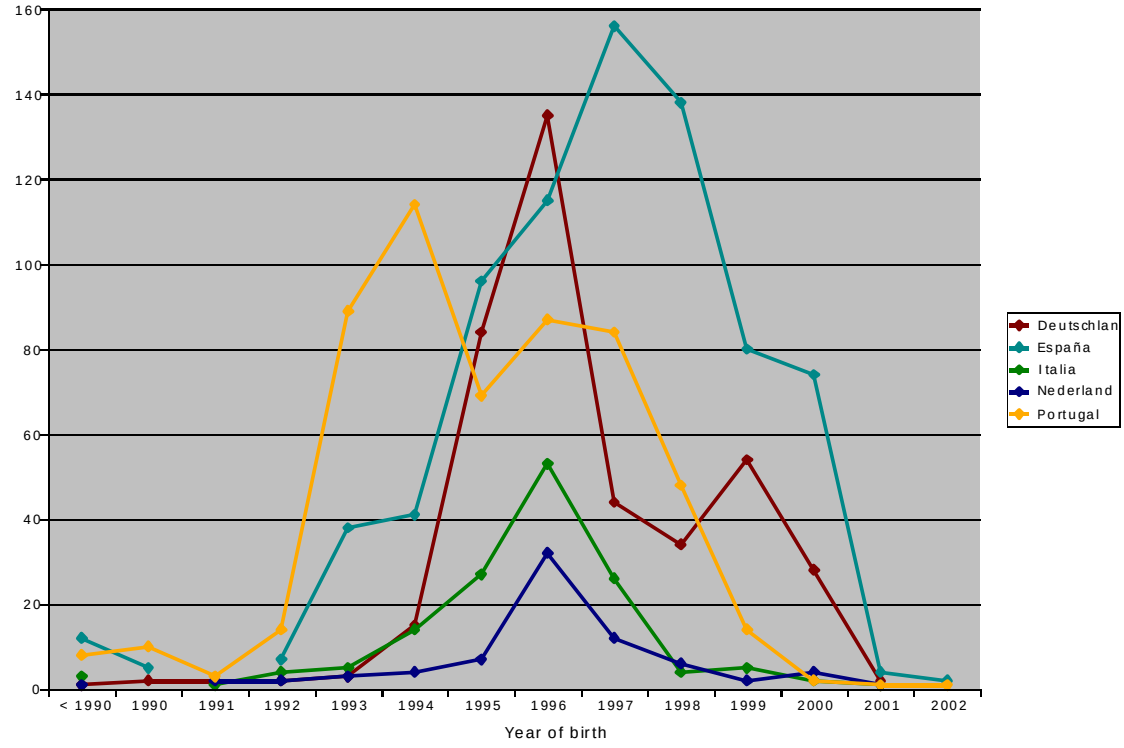


Chart B14



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 2009

Table B20: Extrapolated age (months) distribution of tested bovine animals in 2009

	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU 15
< 24	207	45	3 395	18	475	0	0	32	0	0	0	0	10	160	20	**4 362**
24-29	252	139	2 695	60	13 075	17 435	0	210	390	0	1 438	28	16	267	320	**36 325**
30-35	429	108	10 118	330	9 649	20 729	0	1 252	413	0	5 491	78	28	344	571	**49 540**
36-47	2 810	315	16 170	580	28 427	40 448	0	1 960	732	0	9 936	4 573	148	1 348	1 577	**109 024**
48-59	69 307	52 341	303 505	4 389	54 940	265 405	0	104 741	1 735	0	30 097	12 144	23 242	36 813	90 011	**1 048 670**
60-71	54 124	41 809	255 547	4 383	52 305	233 874	0	91 890	1 482	0	28 377	11 414	18 869	29 683	92 532	**916 289**
72-83	37 430	26 605	197 319	3 622	47 430	198 395	0	76 077	1 210	0	26 405	10 498	12 841	20 519	89 081	**747 432**
84-95	23 742	15 968	145 183	2 967	40 962	163 752	0	57 281	738	0	23 022	8 838	7 653	13 046	79 610	**582 762**
96-107	14 672	8 723	101 539	2 069	33 654	130 407	0	41 177	567	0	18 763	7 671	4 063	7 699	66 767	**437 771**
108-119	8 614	4 967	64 967	1 525	29 038	102 564	0	29 998	438	0	14 393	6 760	2 188	4 954	62 483	**332 889**
120-131	5 006	2 874	39 450	1 239	24 122	78 107	0	21 484	367	0	10 919	5 746	1 164	2 983	50 973	**244 434**
132-143	3 008	1 659	24 508	1 076	21 230	58 610	0	15 723	256	0	7 610	4 595	655	1 952	40 630	**181 512**
144-155	1 647	1 228	15 219	958	19 047	44 379	0	11 618	147	0	5 319	4 136	418	1 321	28 200	**133 637**
> 155	4 093	2 091	24 227	2 593	91 486	93 429	0	33 164	502	0	9 627	20 643	791	2 285	15 925	**300 856**
> 95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Unknown	640	131	1 536	0	274	12 015	0	38	0	0	108	0	52	1 129	3 973	**19 896**
Total	**225 981**	**159 003**	**1 205 378**	**25 809**	**466 114**	**1 459 549**	**-**	**486 645**	**8 977**	**-**	**191 505**	**97 124**	**72 138**	**124 503**	**622 673**	**5 145 399**

	BG	CZ	EE	CY	LV	LT	HU	MT	PL	RO	SI	SK	EU 12
< 24	0	20	15	0	9	0	66	0	13	41	26	8	**198**
24-29	0	3 734	775	0	289	0	1 397	0	5 564	270	1 102	1 366	**14 497**
30-35	0	17 305	2 762	0	3 358	0	6 671	0	58 191	5 613	3 013	5 652	**102 565**
36-47	0	29 005	5 434	0	6 137	0	16 024	0	77 381	10 171	3 807	9 472	**157 431**
48-59	0	28 262	5 822	0	6 413	0	16 379	0	75 598	9 433	3 967	8 587	**154 461**
60-71	0	23 367	5 235	0	5 944	0	13 593	0	67 042	6 559	3 656	6 980	**132 376**
72-83	0	18 019	4 380	0	5 376	0	10 363	0	60 151	5 155	3 340	5 597	**112 381**
84-95	0	12 891	3 120	0	4 530	0	7 230	0	58 364	4 930	2 876	4 111	**98 052**
96-107	0	8 761	2 076	0	3 756	0	8 129	0	41 917	5 208	2 262	2 711	**74 820**
108-119	0	5 643	1 360	0	2 616	0	2 800	0	35 350	5 582	1 870	1 898	**57 119**
120-131	0	3 599	779	0	1 986	0	1 845	0	38 002	5 265	1 374	1 307	**54 157**
132-143	0	2 364	482	0	1 493	0	1 394	0	35 960	4 545	970	904	**48 112**
144-155	0	1 487	269	0	1 020	0	859	0	31 461	3 715	664	521	**39 996**
> 155	0	2 015	306	0	1 843	0	1 801	0	52 996	6 907	1 109	598	**67 575**
> 95	0	0	0	0	0	0	0	0	82	0	0	0	**82**
Unknown	0	0	0	0	0	0	0	0	0	0	8	0	**8**
Total	**-**	**156 472**	**32 815**	**-**	**44 770**	**-**	**88 551**	**-**	**638 072**	**73 394**	**30 044**	**49 712**	**1 113 830**

Table B21: Extrapolated age (months) distribution of tested risk animals in 2009

	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU 15
< 24	93	18	262	12	167	0	0	20	0	0	0	0	8	45	18	**643**
24-29	184	124	1 426	54	3 803	16 947	0	202	390	0	1 438	28	7	181	317	**25 101**
30-35	364	80	1 183	102	2 869	20 200	0	192	412	0	1 508	66	19	235	386	**27 616**
36-47	2 398	237	2 751	174	11 743	39 069	0	595	732	0	2 310	4 550	49	979	1 247	**66 834**
48-59	6 268	7 964	35 474	570	11 223	31 819	0	13 066	419	0	2 481	4 566	3 424	2 487	23 979	**143 740**
60-71	5 472	6 820	31 722	599	11 016	27 867	0	11 616	362	0	2 621	4 618	3 100	2 721	25 146	**133 680**
72-83	4 030	4 273	24 762	538	9 973	24 177	0	9 378	278	0	2 488	4 289	2 062	2 084	24 081	**112 413**
84-95	2 783	2 628	17 863	394	8 088	19 311	0	6 930	201	0	2 046	3 524	1 189	1 303	20 452	**86 712**
96-107	1 891	1 363	11 599	296	6 790	15 015	0	4 653	156	0	1 569	3 012	574	672	16 810	**64 400**
108-119	1 209	774	7 090	216	5 679	11 738	0	3 316	112	0	1 140	2 683	287	410	15 023	**49 677**
120-131	714	407	4 190	166	5 086	8 976	0	2 310	93	0	908	2 138	174	220	12 184	**37 566**
132-143	451	249	2 646	151	4 016	6 751	0	1 579	67	0	645	1 706	106	143	9 598	**28 108**
144-155	234	186	1 720	171	3 866	5 327	0	1 145	45	0	495	1 567	84	111	6 927	**21 878**
> 155	361	378	3 706	494	16 327	14 921	0	3 650	188	0	1 244	7 248	194	223	12 796	**61 730**
> 95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Unknown	192	121	570	0	178	5 991	0	4	0	0	107	0	38	334	3 963	**11 498**
Total	**26 644**	**25 622**	**146 964**	**3 937**	**100 824**	**248 109**	**-**	**58 656**	**3 455**	**-**	**21 000**	**39 995**	**11 315**	**12 148**	**172 927**	871 596

	BG	CZ	EE	CY	LV	LT	HU	MT	PL	RO	SI	SK	EU 12
< 24	0	16	12	0	6	0	15	0	4	40	19	8	**120**
24-29	0	3 733	743	0	269	0	1 286	0	5 562	256	1 091	1 348	**14 288**
30-35	0	2 621	597	0	246	0	983	0	3 540	177	884	1 298	**10 346**
36-47	0	4 862	1 124	0	400	0	2 292	0	6 837	310	1 259	2 348	**19 432**
48-59	0	4 893	1 235	0	459	0	2 269	0	6 778	354	1 254	2 150	**19 392**
60-71	0	4 034	1 135	0	363	0	1 981	0	5 992	254	1 231	1 718	**16 708**
72-83	0	3 115	826	0	314	0	1 332	0	5 020	177	1 152	1 406	**13 342**
84-95	0	2 174	553	0	175	0	897	0	4 318	90	930	1 011	**10 148**
96-107	0	1 488	328	0	175	0	724	0	3 076	127	643	656	**7 217**
108-119	0	1 001	184	0	95	0	385	0	2 391	79	527	454	**5 116**
120-131	0	663	97	0	68	0	290	0	2 122	88	303	275	**3 906**
132-143	0	470	55	0	37	0	160	0	1 806	53	210	215	**3 006**
144-155	0	272	32	0	33	0	124	0	1 424	40	128	131	**2 184**
> 155	0	511	35	0	55	0	325	0	1 851	160	251	175	**3 363**
> 95	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Unknown	0	0	0	0	0	0	0	0	0	0	8	0	**8**
Total	**-**	**29 853**	**6 956**	**-**	**2 695**	**-**	**13 063**	**-**	**50 722**	**2 205**	**9 890**	**13 193**	128 577

Table B22: Extrapolated age (months) distribution of tested healthy slaughtered animals in 2009

	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU 15
< 24	109	27	3 129	6	290	0	0	12	0	0	0	0	2	114	0	**3 689**
24-29	68	15	1 256	6	9 270	487	0	8	0	0	0	0	8	86	1	**11 205**
30-35	64	28	8 925	228	6 778	529	0	1 060	0	0	3 982	11	9	109	185	**21 908**
36-47	406	77	13 395	406	16 684	1 379	0	1 365	0	0	7 626	21	99	367	327	**42 152**
48-59	63 034	44 376	267 922	3 819	43 717	233 586	0	91 675	1 316	0	27 616	7 577	19 817	34 326	66 031	**904 812**
60-71	48 648	34 989	223 706	3 784	41 288	206 006	0	80 274	1 120	0	25 756	6 793	15 768	26 962	67 348	**782 442**
72-83	33 391	22 330	172 476	3 084	37 455	174 218	0	66 699	932	0	23 917	6 208	10 779	18 435	64 962	**634 886**
84-95	20 956	13 339	127 275	2 573	32 873	144 440	0	50 351	537	0	20 976	5 312	6 464	11 743	59 155	**495 994**
96-107	12 778	7 359	89 882	1 773	26 863	115 392	0	36 524	411	0	17 194	4 658	3 489	7 027	49 950	**373 300**
108-119	7 405	4 193	57 850	1 309	23 348	90 825	0	26 682	326	0	13 253	4 056	1 901	4 544	47 457	**283 149**
120-131	4 291	2 467	35 242	1 073	19 031	69 126	0	19 174	274	0	10 010	3 601	990	2 763	38 783	**206 825**
132-143	2 557	1 410	21 857	925	17 207	51 852	0	14 144	189	0	6 965	2 883	549	1 809	31 026	**153 373**
144-155	1 413	1 042	13 492	787	15 179	39 042	0	10 473	102	0	4 824	2 564	334	1 210	21 271	**111 733**
> 155	3 732	1 713	20 506	2 099	75 086	78 505	0	29 514	314	0	8 383	13 361	597	2 062	3 128	**239 000**
> 95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Unknown	447	10	966	0	96	6 024	0	34	0	0	1	0	14	795	10	**8 397**
Total	**199 299**	**133 375**	**1 057 879**	**21 872**	**365 165**	**1 211 411**	**-**	**427 989**	**5 521**	**-**	**170 503**	**57 045**	**60 820**	**112 352**	**449 634**	**4 272 865**

	BG	CZ	EE	CY	LV	LT	HU	MT	PL	RO	SI	SK	EU 12
< 24	0	1	3	0	3	0	45	0	1	0	0	0	**53**
24-29	0	1	32	0	20	0	110	0	1	14	11	18	**207**
30-35	0	14 683	2 165	0	3 112	0	5 687	0	54 650	5 435	2 129	4 354	**92 215**
36-47	0	24 141	4 310	0	5 737	0	13 730	0	70 541	9 861	2 544	7 124	**137 988**
48-59	0	23 348	4 587	0	5 954	0	14 109	0	68 820	9 078	2 709	6 437	**135 042**
60-71	0	19 289	4 100	0	5 581	0	11 611	0	61 045	6 305	2 421	5 262	**115 614**
72-83	0	14 881	3 554	0	5 062	0	9 030	0	55 131	4 976	2 188	4 191	**99 013**
84-95	0	10 717	2 567	0	4 355	0	6 333	0	54 046	4 840	1 944	3 100	**87 902**
96-107	0	7 273	1 748	0	3 581	0	7 404	0	38 841	5 080	1 618	2 055	**67 600**
108-119	0	4 642	1 176	0	2 521	0	2 414	0	32 959	5 503	1 342	1 444	**52 001**
120-131	0	2 936	682	0	1 918	0	1 554	0	35 879	5 176	1 070	1 032	**50 247**
132-143	0	1 894	427	0	1 456	0	1 234	0	34 153	4 492	760	689	**45 105**
144-155	0	1 215	237	0	987	0	735	0	30 037	3 675	536	390	**37 812**
> 155	0	1 504	271	0	1 788	0	1 476	0	51 145	6 747	856	423	**64 210**
> 95	0	0	0	0	0	0	0	0	81	0	0	0	**81**
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Total	**-**	**126 525**	**25 859**	**-**	**42 075**	**-**	**75 472**	**-**	**587 330**	**71 182**	**20 128**	**36 519**	**985 090**

Table B23: Extrapolated age (months) distribution of tested BSE suspects in 2009

	BE	DK	DE	ES	FR	IE	LU	NL	AT	PT	FI	SE	UK	EU 15
< 24	5	0	4	2	0	0	0	0	0	0	0	1	1	**13**
24-29	0	0	13	0	1	0	0	0	0	0	1	0	1	**16**
30-35	1	0	10	2	0	0	1	0	1	0	0	0	0	**15**
36-47	6	1	24	0	0	0	0	0	0	0	0	2	3	**36**
48-59	5	1	109	0	0	0	0	0	0	0	1	0	1	**117**
60-71	4	0	119	1	1	0	0	0	0	1	1	0	1	**128**
72-83	9	0	81	2	0	0	0	0	0	0	0	0	2	**94**
84-95	3	0	45	1	1	0	0	0	0	0	0	0	1	**51**
96-107	3	0	56	1	0	0	0	0	0	0	0	0	5	**65**
108-119	0	0	18	1	1	0	0	0	0	0	0	0	0	**20**
120-131	1	0	16	0	2	0	0	0	1	0	0	0	1	**21**
132-143	0	0	5	2	0	0	0	0	0	0	0	0	3	**10**
144-155	0	0	7	0	0	0	0	0	0	0	0	0	1	**8**
> 155	0	0	14	1	1	0	0	0	0	0	0	0	1	**17**
> 95	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Total	**38**	**2**	**521**	**13**	**7**	**-**	**1**	**-**	**2**	**1**	**3**	**3**	**21**	612

	BG	HU	PL	RO	SI	EU 12
< 24	0	6	0	1	7	**14**
24-29	0	1	0	0	0	**1**
30-35	0	1	0	1	0	**2**
36-47	0	2	0	0	4	**6**
48-59	0	1	0	1	4	**6**
60-71	0	1	5	0	4	**10**
72-83	0	1	0	2	0	**3**
84-95	0	0	0	0	2	**2**
96-107	0	1	0	1	1	**3**
108-119	0	1	0	0	1	**2**
120-131	0	1	0	1	1	**3**
132-143	0	0	0	0	0	**0**
144-155	0	0	0	0	0	**0**
> 155	0	0	0	0	2	**2**
> 95	0	0	0	0	0	**0**
Unknown	0	0	0	0	0	**0**
Total	**-**	**16**	**5**	**7**	**26**	54

Table B24: Extrapolated age (months) distribution of tested animals culled in the framework of BSE eradication in 2009

	CZ	DK	DE	ES	FR	IE	PL	PT	UK	EU 27
< 24	3	0	0	16	0	0	8	0	1	**28**
24-29	0	0	0	2	0	0	1	0	1	**4**
30-35	1	0	0	0	0	0	1	1	0	**3**
36-47	2	0	0	0	0	0	3	2	0	**7**
48-59	21	0	0	0	0	0	0	1	0	**22**
60-71	44	0	0	0	0	0	0	2	37	**83**
72-83	23	2	0	0	0	0	0	1	36	**62**
84-95	0	1	0	0	0	0	0	2	2	**5**
96-107	0	1	2	0	0	0	0	1	2	**6**
108-119	0	0	9	10	0	0	0	21	3	**43**
120-131	0	0	2	5	3	0	1	7	5	**23**
132-143	0	0	0	5	7	0	1	6	3	**22**
144-155	0	0	0	2	10	0	0	5	1	**18**
> 155	0	0	1	72	2	0	0	34	0	**109**
> 95	0	0	0	0	0	0	0	0	0	**0**
Unknown	0	0	0	0	0	0	0	0	0	**0**
Total	**94**	**4**	**14**	**112**	**22**	**-**	**15**	**83**	**91**	**435**

Chart B15: Prevalence of BSE per target group in cattle of different age in the EU in 2009 (positive per 10.000 tests)

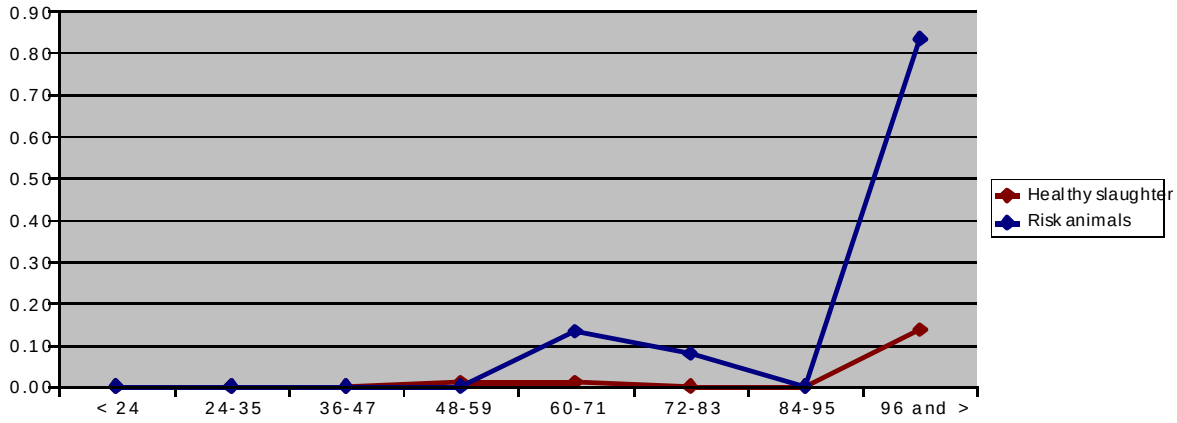


Chart B16: Prevalence of BSE per target group in cattle of different age in the EU from 2001 to 2009 (positive per 10.000 tests)

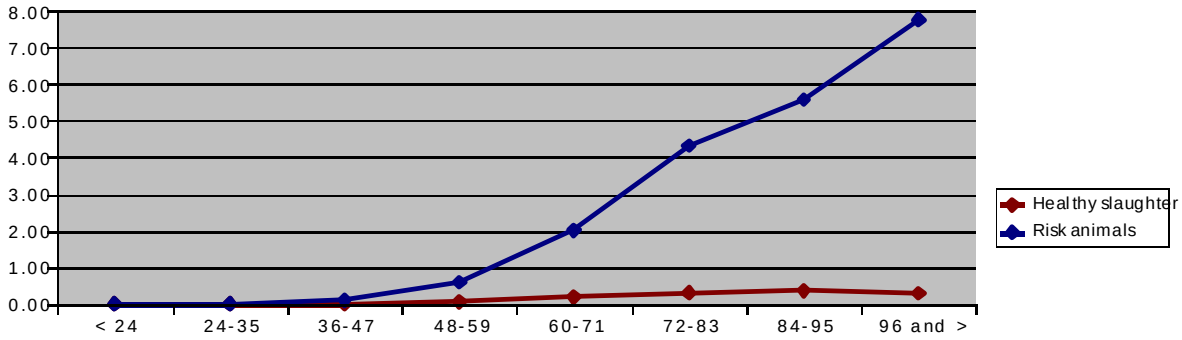


Table B25: Prevalence (ratio of positive cases per 10.000 animals tested) of different age groups (months) in 2009: total population

EU 15	DK	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	0,22	**0,03**
72-83	0,00	0,00	0,00	0,00		0,00	0,00	0,11	**0,02**
84-95	0,00	0,00	0,00	0,00		0,00	0,00	0,00	**0,00**
96-107	0,00	0,10	0,59	0,00		0,00	0,00	0,00	**0,08**
108-119	0,00	0,00	1,38	0,00		0,00	1,48	0,00	**0,17**
120-131	0,00	0,00	1,24	0,26		0,00	0,00	0,00	**0,22**
132-143	0,00	0,00	0,94	0,00		0,64	0,00	0,00	**0,18**
144-155	0,00	0,00	0,53	0,23		0,00	2,42	0,35	**0,32**
> 155	4,78	0,41	0,66	0,54		0,30	2,42	3,77	**0,89**
> 95		0,00	0,00	0,00		0,00	0,00	0,00	**0,00**

EU 12	CZ	PL
< 24	0,00	0,00
24-35	0,00	0,00
36-47	0,00	0,00
48-59	0,35	0,00
60-71	0,43	0,00
72-83	0,00	0,00
84-95	0,00	0,00
96-107	0,00	0,00
108-119	0,00	0,57
120-131	0,00	0,26
132-143	0,00	0,00
144-155	0,00	0,00
> 155	0,00	0,19
> 95	0,00	0,00

Table B26: Prevalence (ratio of positive cases per 10000 animals tested) of different age groups (months) in 2009: 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**
24-35	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**
48-59	0,00	0,00	0,00			0,00	0,00	**0,00**
60-71	0,00	0,00	0,00			0,00	0,80	**0,20**
72-83	0,00	0,00	0,00			0,00	0,42	**0,11**
84-95	0,00	0,00	0,00			0,00	0,00	**0,00**
96-107	0,00	0,00	0,00			0,00	0,00	**0,00**
108-119	0,00	1,76	0,00			0,00	0,00	**0,24**
120-131	0,00	1,97	1,11			0,00	0,00	**0,61**
132-143	0,00	2,49	0,00			0,00	0,00	**0,40**
144-155	0,00	2,59	1,88			0,00	0,00	**1,03**
> 155	2,70	1,84	2,68			5,52	3,91	**3,09**
> 95	0,00	0,00	0,00			0,00	0,00	**0,00**

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	0,00
108-119	4,18
120-131	0,00
132-143	0,00
144-155	0,00
> 155	0,00
> 95	0,00

Table B27: Prevalence (ratio of positive cases per 10000 animals tested) of different age groups (months) in 2009: 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	0,00	**0,00**
72-83	0,00	0,00	0,00	0.00	0,00	0,00	0,00	**0,00**
84-95	0,00	0,00	0,00	0.00	0,00	0,00	0,00	**0,00**
96-107	0,11	0,37	0,00	0.00	0,00	0,00	0,00	**0,06**
108-119	0,00	1,28	0,00	0.00	0,00	2,47	0,00	**0,16**
120-131	0,00	1,05	0,14	0.00	0,00	0,00	0,00	**0,16**
132-143	0,00	0,58	0,00	0.00	0,71	0,00	0,00	**0,14**
144-155	0,00	0,00	0,00	0.00	0,00	3,90	0,47	**0,20**
> 155	0,00	0,40	0,13	0.00	0,34	0,75	0,00	**0,27**
> 95	0,00	0,00	0,00	0.00	0,00	0,00	0,00	**0,00**

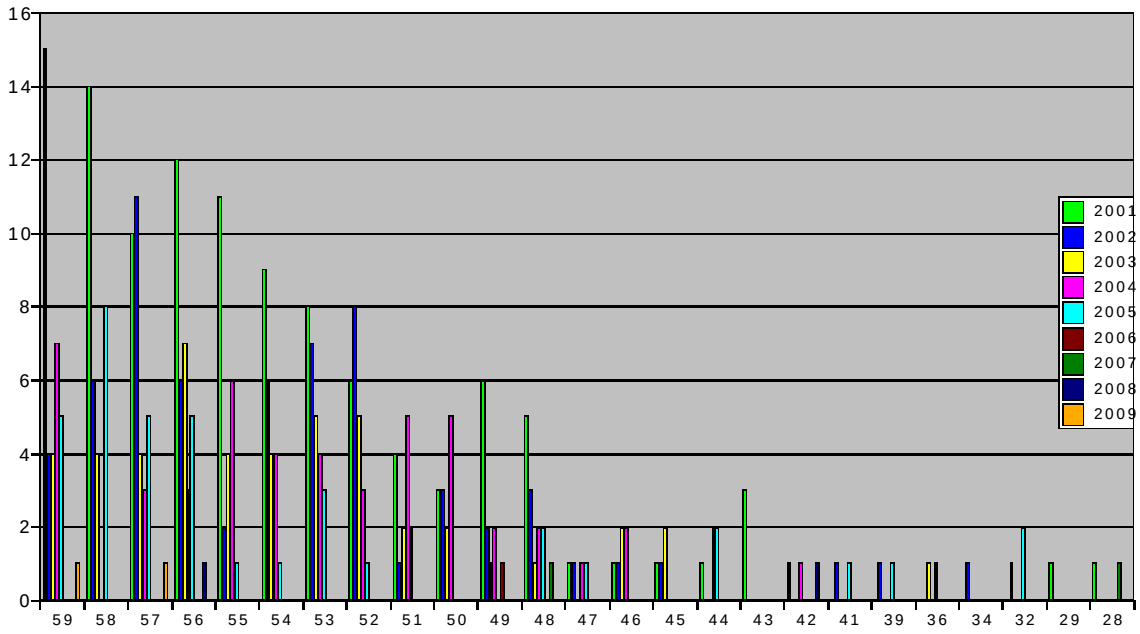
EU 12	CZ
< 24	0,00
24-35	0,00
36-47	0,00
48-59	0,43
60-71	0,52
72-83	0,00
84-95	0,00
96-107	0,00
108-119	0,00
120-131	0,00
132-143	0,00
144-155	0,00
> 155	0,00
> 95	0,00

Table B28: Prevalence (ratio of positive cases per 10000 animals tested) of different age groups (months) in 2009: BSE suspects

	ES	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
48-59	0,00	0,00	0,00
60-71	0,00	0,00	0,00
72-83	0,00	0,00	0,00
84-95	0,00	0,00	0,00
96-107	10.000,00	0,00	1.666,67
108-119	0,00	0,00	0,00
120-131	0,00	0,00	0,00
132-143	0,00	0,00	0,00
144-155	0,00	0,00	0,00
> 155	0,00	10.000,00	5.000,00
> 95	0,00	0,00	0,00

4.7. BSE in young animals

Chart B17: Number of positive BSE cases below 60 months of age in the EU from 2001 to 2009



	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							
2009	1		1																						

Table B29: Age (months) and year of birth distribution in BSE cases born in 1996 or later reported in the period 2001-2009

	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	7
1999		2	7	46	56	56	32	12	11	3
2000			6	47	53	32	13	8	5	
2001			6	7	10	5	3	1		
2002		2	2	1	5	3	1			
2003				2	7	1				
2004	1			1	1					
2005			1							

Table B30: Details on BSE positive cases < 60 months detected in 2009 in the EU

Age (Months)	Target Group	Member State	Date of Birth
57	Healthy slaughtered animals	Ceská Republika	06/2004
59	Healthy slaughtered animals	Ceská Republika	06/2004

Table B31: Details on BSE positive cases in animals born after 31/12/2000 detected in the EU from 2001 to 2009

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
96	Fallen stock	Ireland	2009	02/2001

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
83	Healthy slaughtered animals	Ireland	2009	11/2002
87	Emergency slaughter	United Kingdom	2009	09/2002

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	Ceská Republika	2009	09/2003
66	Healthy slaughtered animals	Polska	2008	06/2003
66	Healthy slaughtered animals	United Kingdom	2008	01/2003
68	Eradication Measures	Ireland	2008	02/2003
68	Fallen stock	United Kingdom	2009	06/2003
71	Fallen stock	United Kingdom	2009	04/2003
74	Fallen stock	United Kingdom	2009	09/2003

Born in 2004				
Age (months)	Target Group	Member State	Year of detection	Date of birth
28	Healthy slaughtered animals	Polska	2007	12/2004
57	Healthy slaughtered animals	Ceská Republika	2009	06/2004
59	Healthy slaughtered animals	Ceská Republika	2009	06/2004
67	Healthy slaughtered animals	Ireland	2009	04/2004

Born in 2005				
Age	Target Group	Member State	Year of	Date of birth

(months)			detection	
42	Healthy slaughtered animals	Polska	2008	03/2005

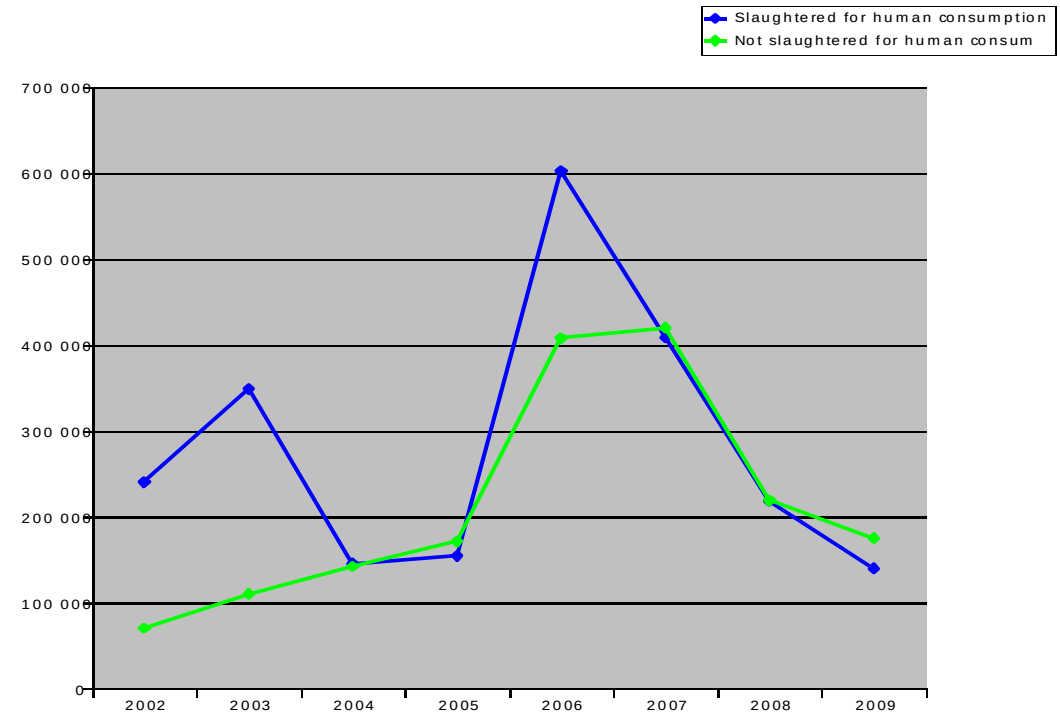
5. SUMMARY OF TSE TESTING IN OVINE AND CAPRINE ANIMALS DURING 2009

The information is extracted directly from the monthly reports electronically submitted by the Member States in 2009 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 17 June 2010.

5.1. Sampling

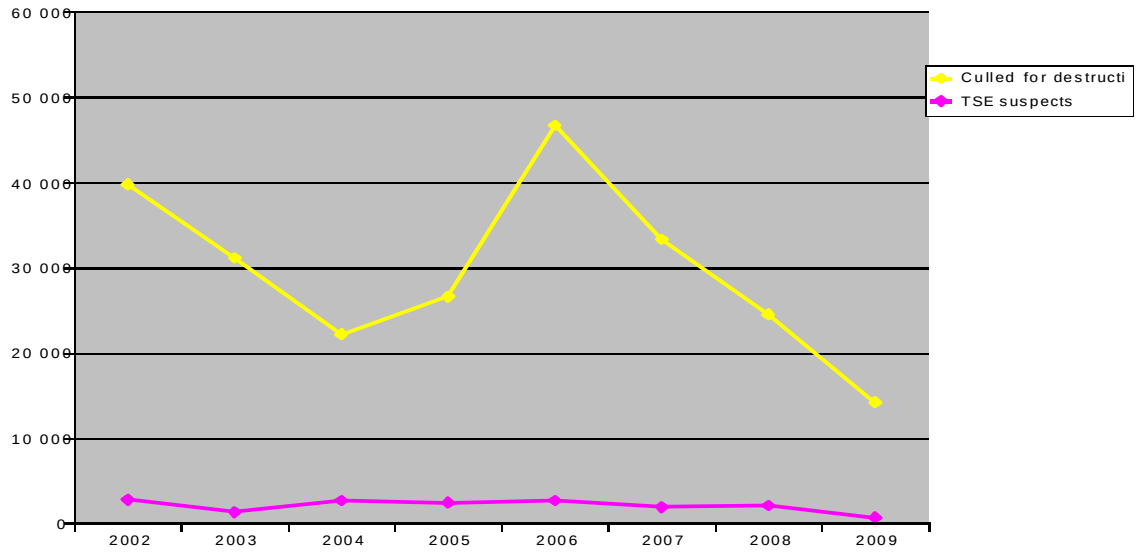
The total number of samples and the number of samples per target group and per Member State can be found in the following tables and charts

Chart SR1: Evolution of TSE testing in sheep in the EU 27 from 2002 to 2009



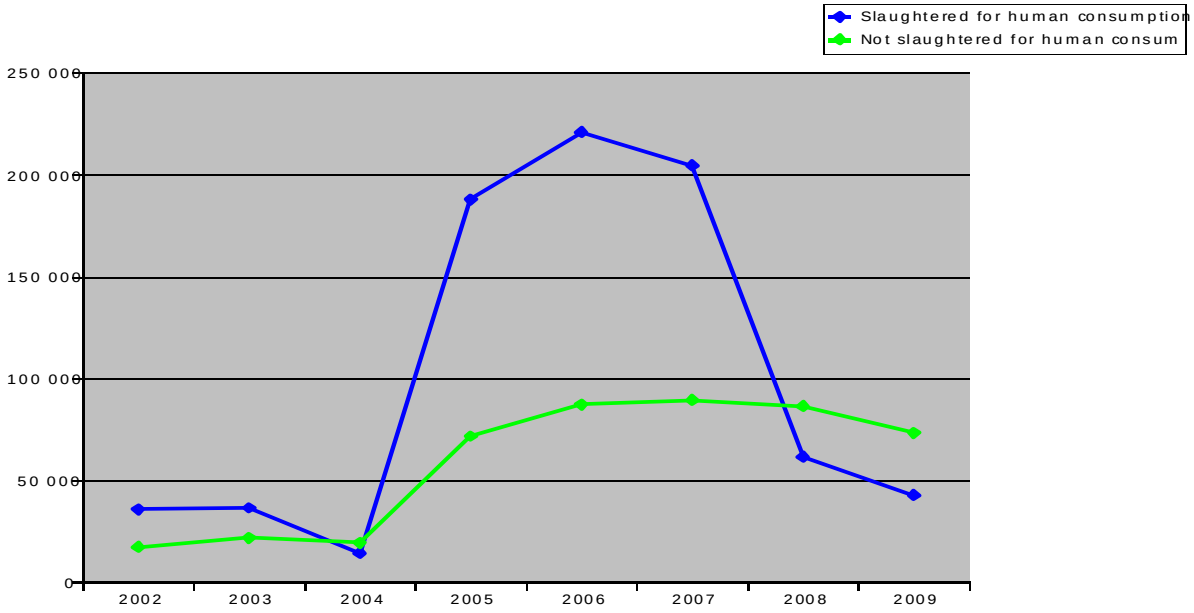
	2002	2003	2004	2005	2006	2007	2008	2009
Slaughtered for human consumption	240 785	349 071	146 163	155 104	602 656	409 278	218 930	140 571
Not slaughtered for human consumption	70 823	110 810	142 746	171 878	408 504	420 809	219 780	175 606

Chart SR2: Evolution of TSE testing in sheep in the EU 27 from 2002 to 2009



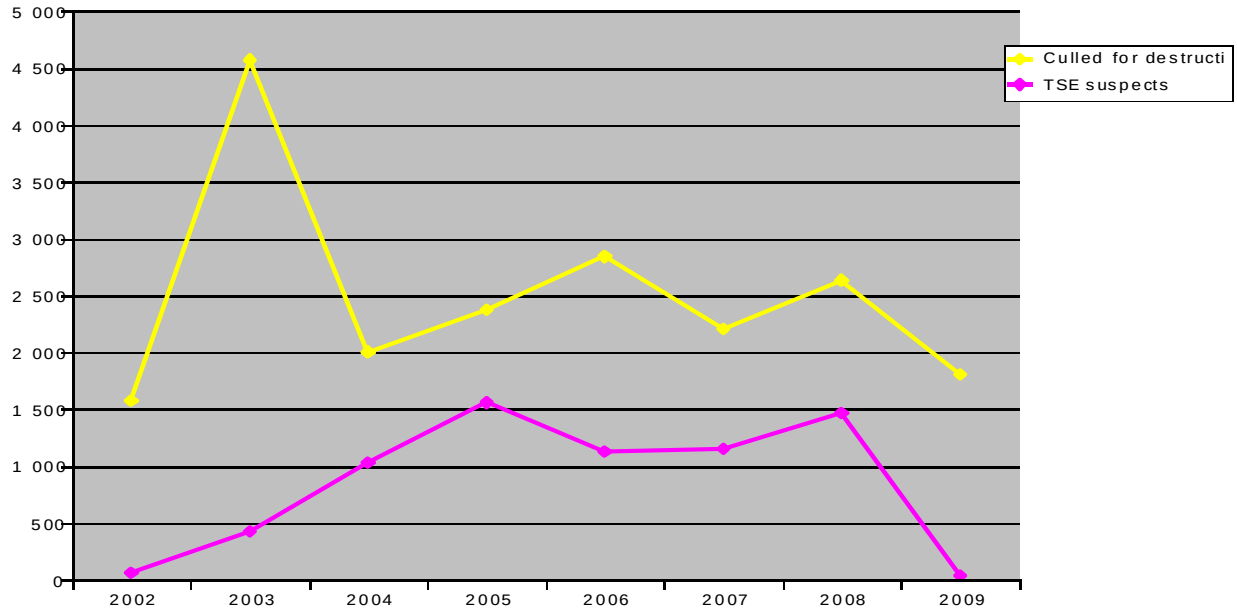
	2002	2003	2004	2005	2006	2007	2008	2009
Culled for destruction	39 755	31 130	22 197	26 606	46 704	33 340	24 493	14 189
TSE suspects	2 753	1 294	2 667	2 424	2 657	1 915	2 075	661

Chart SR3: Evolution of TSE testing in goats in the EU 27 from 2002 to 2009



	2002	2003	2004	2005	2006	2007	2008	2009
Slaughtered for humanconsumption	35 732	36 598	14 301	187 541	220 640	204 382	61 578	42 708
Not slaughtered for humanconsumption	17 450	21 803	19 463	71 691	87 271	89 372	86 353	73 310

Chart SR4: Evolution of TSE testing in goats in the EU 27 from 2002 to 2009



	2002	2003	2004	2005	2006	2007	2008	2009
Culled for destruction	1 502	4 552	1 996	1 907	2 080	1 705	2 460	1 684
TSE suspects	57	422	923	1 502	1 067	1 128	1 449	23

Comments on sampling

Overall, the number of samples in small ruminants decreased in 2009 compared to 2008. The important contribution of France in the total number of tests carried out (in particular in goats) must be noticed.

5.2. Positive cases

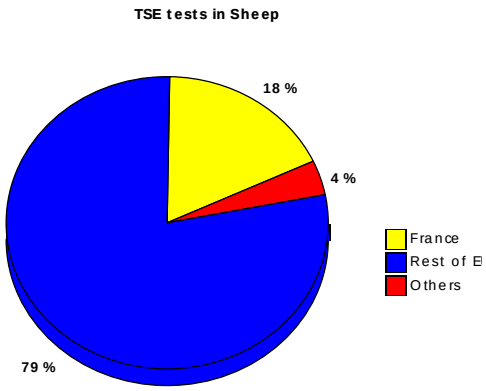
Table SR1: Total TSE positive cases detected in ovine and caprine animals detected in 2009

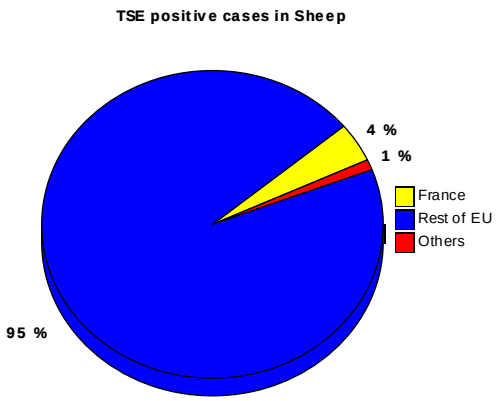
	Sheep		Goats	
	Animals tested	Positives	Animals tested	Positives
Belgique/België	1 487	0	222	0
Bulgaria	13 740	1	1 800	1
Ceská Republika	582	0	172	0
Danmark	6 055	0	1 828	0
Deutschland	23 323	11	2 804	0
Eesti	654	0	6	0
Ellas	21 768	719	9 552	55
España	31 433	106	22 881	8
France	60 357	48	51 361	9
Ireland	18 888	36	80	0
Italia	26 306	125	13 846	13
Kypros	n/a	n/a	n/a	n/a
Latvija	81	0	11	0
Lietuva	2 119	0	96	0
Luxembourg	529	0	302	0
Magyarország	13 775	15	312	0
Malta	60	0	62	0
Nederland	20 030	4	656	0
Österreich	5 914	0	1 817	0
Polska	11 176	5	1 151	0
Portugal	37 369	46	6 874	1
Romania	n/a	n/a	n/a	n/a
Slovenija	3 584	3	958	0
Slovensko	2 167	0	25	0
Suomi/Finland	1 138	0	350	1
Sverige	4 808	2	54	0
United Kingdom	23 684	37	648	1
EU 27	**331 027**	**1 158**	**117 868**	**89**
Norway	13 615	16	361	0
Others	**13 615**	**16**	**361**	**0**

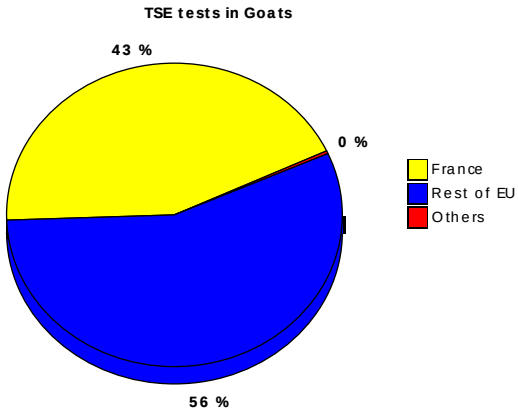
Table SR2: Information on index cases in 2009

	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	0	0	0	0	0	0
Ceská Republika	0	0	0	0	0	0
Danmark	0	0	0	0	0	0
Deutschland	0	0	12	0	0	0
Eesti	0	0	0	0	0	0
Ellas	0	0	0	0	0	0
España	56	49	0	6	2	0
France	35	12	0	6	6	0
Ireland	11	23	0	0	0	0
Italia	56	50	0	4	9	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
Magyarország	13	2	0	0	0	0
Malta	0	0	0	0	0	0
Nederland	3	0	0	0	0	0
Österreich	0	0	0	0	0	0
Polska	0	4	0	0	0	0
Portugal	26	4	6	2	0	0
Romania	0	0	0	0	0	0
Slovenija	2	1	0	0	0	0
Slovensko	0	0	0	0	0	0
Suomi/Finland	0	0	0	0	0	0
Sverige	2	0	0	0	0	0
United Kingdom	0	0	37	0	0	1
EU 27	**204**	**145**	**55**	**18**	**17**	**1**
Norway	13	0	0	0	0	0
Others	**13**	**0**	**0**		**0**	**0**

Chart SR5: Distribution of TSE tests carried out and TSE cases detected in 2009







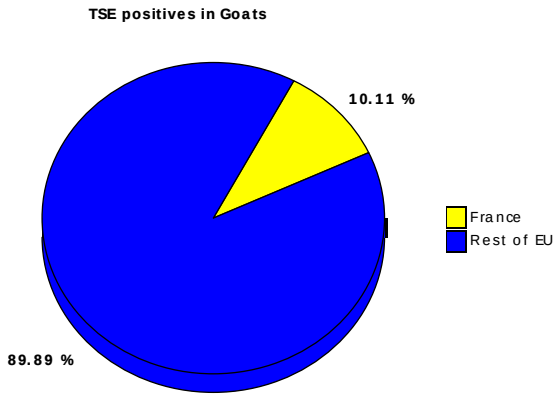


Table SR3: TSE Positives detected by active monitoring and passive surveillance (suspects) in ovine and caprine animals (except CY) in 2009

	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	1	0	100 %	431 900	1	0	100 %
Ceská Republika	166 000	0	0			0	0	
Danmark	76 000	0	0			0	0	
Deutschland	1 392 200	10	1	91 %		0	0	
Eesti	53 200	0	0		2 500	0	0	
Ellas	6 591 000	630	89	88 %	3 712 000	55	0	100 %
España	16 902 800	98	8	92 %	2 126 000	8	0	100 %
France	6 273 400	47	1	98 %	1 072 100	9	0	100 %
Ireland		26	10	72 %		0	0	
Italia	7 265 000	113	12	90 %	786 000	13	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	15	0	100 %	40 000	0	0	
Malta	10 700	0	0		5 300	0	0	
Nederland	1 285 000	4	0	100 %		0	0	
Österreich	229 000	0	0		39 500	0	0	
Polska	210 800	5	0	100 %	93 600	0	0	
Portugal	2 189 800	46	0	100 %	362 800	1	0	100 %
Slovenija	90 800	3	0	100 %	19 000	0	0	
Slovensko	276 300	0	0		35 400	0	0	
Suomi/Finland	56 400	0	0		4 500	1	0	100 %
Sverige	247 200	1	1	50 %		0	0	
United Kingdom	14 872 900	33	4	89 %		0	1	0 %
EU 27	**60 518 400**	**1 032**	**126**	**89 %**	**8 751 500**	**88**	**1**	**99 %**
Norway		15	1	94 %		0	0	
Others		**15**	**1**	**94 %**		**0**	**0**	**0 %**

*Eurostat Dec. 2007

Table SR4: TSE cases in ovine and caprine animals slaughtered for human consumption in 2009

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio*			Total tests	Total TSE cases	Ratio*		
			2009	2008	2007			2009	2008	2007
Belgique/België					3,0				0.0	0,0
Bulgaria	11 465	1	0,9	2,3	0,0	1 270	0	0,0	0,0	0,0
Ceská Republika	1	0	0,0	0,0		2	0		0,0	
Danmark					0,0				0.0	0,0
Deutschland	9 948	4	4,0	1,8	1,5	1 351	0	0,0	0,0	0,0
Eesti	9	0	0,0	0,0		3	0	0,0	0,0	
Ellas	11 697	37	31,6	28,6	19,3	4 187	3	3,4	7,2	9,2
España	12 607	14	11,1	7,4	5,0	9 586	1	1,1	1,0	1,8
France	10 709	5	4,7	7,1	5,3	24 382	1	0,0	0,4	0,1
Ireland	10 269	2	1,9	2,6	1,1			0,0	0.0	0,0
Italia	13 260	10	7,5	6,9	6,4	10 168	1	2,1	1,0	0,5
Kypros				135,6		3 368	120		356,3	
Latvija	5	0	0,0						0.0	
Lietuva	2 055	0	0,0	0,0		120	0	0,0	0,0	
Luxembourg	224	0	0,0	0,0	0,0	293	0	0,0	0,0	0,0
Magyarország	5 014	8	16,0	3,4		63	0	0,0	0,0	
Malta				0,0		15	0		0,0	
Nederland	9 905	1	1,0	1,9	7,6	147	0	0,0	0,0	0,0
Österreich	8	0	0,0	0,0	0,0	0	0	0,0	0,0	0,0
Polska	8 210	2	2,4	0,0		31	0	0,0	0,0	
Portugal	23 465	23	9,8	10,8	8,8	5 996	1	2,0	1,7	0,0
Romania				6,9	3,1	590	0		0,0	0,0
Slovenija	4	0	0,0	0,0	92,9	3	0		0,0	0,0
Slovensko	385	0	0,0	0,0	11,2				0.0	0,0
Suomi/Finland					0,0				0.0	0,0
Sverige	1	0	0,0	0,0	2,7	3	0		0,0	0,0
United Kingdom	11 330	19	16,8	7,2	10,8				0.0	0,0
EU 27	**140 571**	**126**	**9,0**	**11,6**	**12,0**	**61 578**	**127**	**1,4**	**20,6**	**12,9**
EU 27-CY	**140 571**	**126**	**5,9**	**7,7**		**58 210**	**7**	**1,4**	**0,5**	
Norway	8 924	6	6,7	4,6	2,2	21	0	0,0	0,0	0,0
Others	**8 924**	**6**	**6,7**	**4,6**	**2,2**	**21**	**0**	**0,0**	**0,0**	**0,0**
EU 27-CY	**8 924**	**6**	**6,9**	**4,6**		**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) in 2009

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio*			Total tests	Total TSE cases	Ratio*		
			2009	2008	2007			2009	2008	2007
Belgique/België	1 423	0	0,0	0,0	4,2	210	0	0,0	0,0	0,0
Bulgaria	2 258	0	0,0	0,0	0,0	468	1	21,4	0,0	0,0
Ceská Republika	581	0	0,0	22,0		172	0	0,0	0,0	
Danmark	6 055	0	0,0	2,9	0,0	1 825	0	0,0	0,0	0,0
Deutschland	13 175	6	4,6	3,2	4,8	1 721	0	0,0	0,0	0,0
Eesti	645	0	0,0	0,0		6	0	0,0	0,0	
Ellas	5 370	61	113,6	105,8	245,2	2 656	2	7,5	23,7	49,6
España	16 698	48	28,7	54,3	9,8	14 040	4	2,8	4,3	7,7
France	46 914	32	6,8	7,5	8,2	40 332	6	1,5	2,0	0,7
Ireland	8 438	11	13,0	6,5	14,2	79	0	0,0	0,0	0,0
Italia	10 893	48	44,1	39,6	32,2	4 194	5	11,9	0,0	8,3
Kypros				1166,0					3401,1	
Latvija	76	0	0,0	0,0		11	0	0,0	0,0	
Lietuva	64	0	0,0	0,0		13	0	0,0	0,0	
Luxembourg	305	0	0,0	0,0	0,0	126	0	0,0	0,0	0,0
Magyarország	6 732	6	8,9	8,3		195	0	0,0	0,0	
Malta	60	0	0,0	0,0		58	0	0,0	0,0	
Nederland	10 091	2	2,0	9,0	8,7	551	0	0,0	0,0	0,0
Österreich	5 906	0	0,0	0,0	0,0	1 808	0	0,0	0,0	0,0
Polska	2 964	3	10,1	0,0		1 059	0	0,0	0,0	
Portugal	13 898	23	16,5	8,8	19,5	1 753	0	0,0	3,9	0,0
Romania				75,5	125,8				0,0	62,5
Slovenija	3 580	3	8,4	0,0	39,4	958	0	0,0	0,0	0,0
Slovensko	1 782	0	0,0	24,5	7,7	25	0	0,0	0,0	0,0
Suomi/Finland	1 138	0	0,0	0,0	9,3	349	1	28,7	0,0	0,0
Sverige	4 804	1	2,1	0,0	8,0	54	0	0,0	0,0	0,0
United Kingdom	11 756	13	11,1	12,5	21,6	647	0	0,0	27,3	8,1
EU 27	**175 606**	**257**	**14,6**	**18,7**	**14,3**	**73 310**	**19**	**2,6**	**31,8**	**40,7**
EU 27-CY	**175 606**	**257**	**14,6**	**14,8**		**73 310**	**19**	**2,6**	**2,8**	
Norway	4 140	5	12,1	6,8	15,9	343	0	0,0	0,0	0,0
Others	**4 140**	**5**	**12,1**	**6,8**	**15,9**	**343**	**0**	**0,0**	**0,0**	**0,0**
EU 27-CY	**4 140**	**5**	**12,1**	**6,8**		**343**	**0**	**0,0**	**0,0**	

*: cases per 10 000 tests

Table SR6: TSE cases in suspect ovine and caprine animals in 2009

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio*			Total tests	Total TSE cases	Ratio*		
			2009	2008	2007			2009	2008	2007
Belgique/België	64	0	0,0	0,0	0,0	12	0	0,0	0,0	0,0
Bulgaria	17	0	0,0		0.0	0	0		0.0	0.0
Ceská Republika	0	0				0	0		0.0	
Danmark	0	0			0,0	3	0	0,0	0.0	0.0
Deutschland	46	1	217,4	0,0	0,0	11	0	0,0	0,0	0,0
Eesti	0	0				0	0		0.0	
Ellas	318	89	2798,7	2579,2	2542,4	6	0	0,0	4000,0	3333,3
España	15	8	5333,3	1666,7	5000,0	0	0		0,0	0,0
France	6	1	1666,7	2500,0	4166,7	1	0	0,0	0,0	0,0
Ireland	12	10	8333,3	4000,0	5500,0	0	0		0.0	0.0
Italia	163	12	736,2	10000,0	1073,8	0	0		0.0	0,0
Kypros	0	0		2740,3		0	0		5201,4	
Latvija	0	0				0	0		0.0	
Lietuva	0	0				0	0		0.0	
Luxembourg	0	0				0	0		0.0	0.0
Magyarország	9	0	0,0	0,0		4	0	0,0	0,0	
Malta	0	0				0	0		0.0	
Nederland	0	0	0,0	2000,0	0,0	0	0	0,0	0,0	0,0
Österreich	0	0	0,0	0,0	0.0	1	0	0,0	0,0	0.0
Polska	0	0		0,0		0	0		0,0	
Portugal	0	0		0,0	0,0	0	0		0.0	0.0
Romania	0	0		2000,0	1632,7	0	0		0,0	10000,0
Slovenija	0	0			0.0	0	0		0.0	0.0
Slovensko	0	0		8125,0	0.0	0	0		0.0	0.0
Suomi/Finland	0	0		0,0	0.0	1	0	0,0	0.0	0.0
Sverige	3	1	3333,3	0,0	0.0	0	0		0,0	0.0
United Kingdom	8	4	5000,0	1000,0	4687,5	1	1	10000,0	8888,9	9259,3
EU 27	**661**	**126**	**1906,2**	**2534,9**	**2741,5**	**40**	**1**	**250,0**	**5078,2**	**5147,1**
EU 27-CY	**661**	**126**	**1906,2**	**2175,1**	**1632,3**	**40**	**1**	**250,0**	**2963,0**	**2061,1**
Norway	3	1	3333,3	0,0	0,0	1	0	0,0	0,0	0,0
Others	**3**	**1**	**3333,3**	**0,0**	**0,0**	**1**	**0**	**0,0**	**0,0**	**0,0**
EU 27-CY	**3**	**1**	**3333,3**	**0,0**	**0,0**	**1**	**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 2009

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio* 2009	Ratio* 2008	Ratio* 2007	Total tests	Total TSE cases	Ratio* 2009	Ratio* 2008	Ratio* 2007
Belgique/België	0	0			0,0	0	0		0.0	0,0
Bulgaria	0	0				0	0		0.0	0.0
Ceská Republika	0	0		1750,0		0	0		0.0	
Danmark	0	0			0,0	0	0		0.0	0.0
Deutschland	154	0	0,0	0,0	0,0	4	0	0,0	0,0	0,0
Eesti	0	0				0	0		0.0	
Ellas	4 383	532	1213,8	945,5	757,4	1 081	51	471,8	380,9	669,0
España	2 113	36	170,4	343,4	401,6	108	3	277,8	177,5	157,7
France	2 728	10	36,7	64,2	110,0	274	3	109,5	101,3	22,8
Ireland	169	13	769,2	64,6	186,7	0	0		0.0	0,0
Italia	1 990	55	276,4	333,9	332,8	321	6	186,9	82,0	51,3
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	2 020	1	5,0	7,6		18	0	0,0	0,0	
Malta	0	0				4	0	0,0	0.0	
Nederland	34	1	294,1	400,0	373,6	0	0	0,0	0,0	0,0
Österreich	0	0				0	0	0,0	0,0	0.0
Polska	2	0	0,0	0,0		0	0		0,0	
Portugal	6	0	0,0	51,6	0.0	0	0		0.0	0.0
Slovenija	0	0		434,8	148,5	0	0		0.0	0.0
Slovensko	0	0		254,2	0.0	0	0		0.0	0.0
Suomi/Finland	0	0			0,0	0	0		0.0	0.0
Sverige	0	0			0,0	0	0		0.0	0.0
United Kingdom	590	1	16,9	0,0	13,7	0	0		0.0	0.0
EU 27	**14 189**	**649**	**457,4**	**306,3**	**212,4**	**1 810**	**63**	**348,1**	**246,7**	**221,8**
EU 27-CY	**14 189**	**649**	**457,4**	**306,3**		**1 810**	**63**	**348,1**	**246,7**	**221,8**
Norway	548	4	73,0	0,0	0,0	1	0	0,0	0,0	0,0
Others	**548**	**4**	**73,0**	**0,0**	**0,0**	**1**	**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 2009

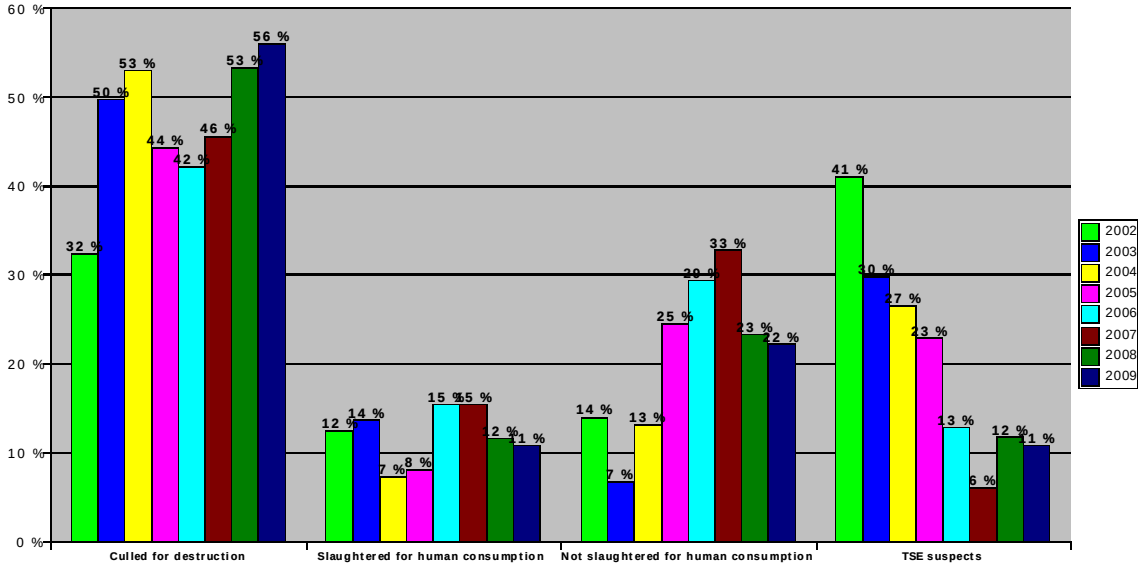


Chart SR7: Prevalence in tested animals (cases per 10 000 tested) of positives in ovine animals slaughtered for human consumption in affected Member States (and Norway) from 2002 to 2009

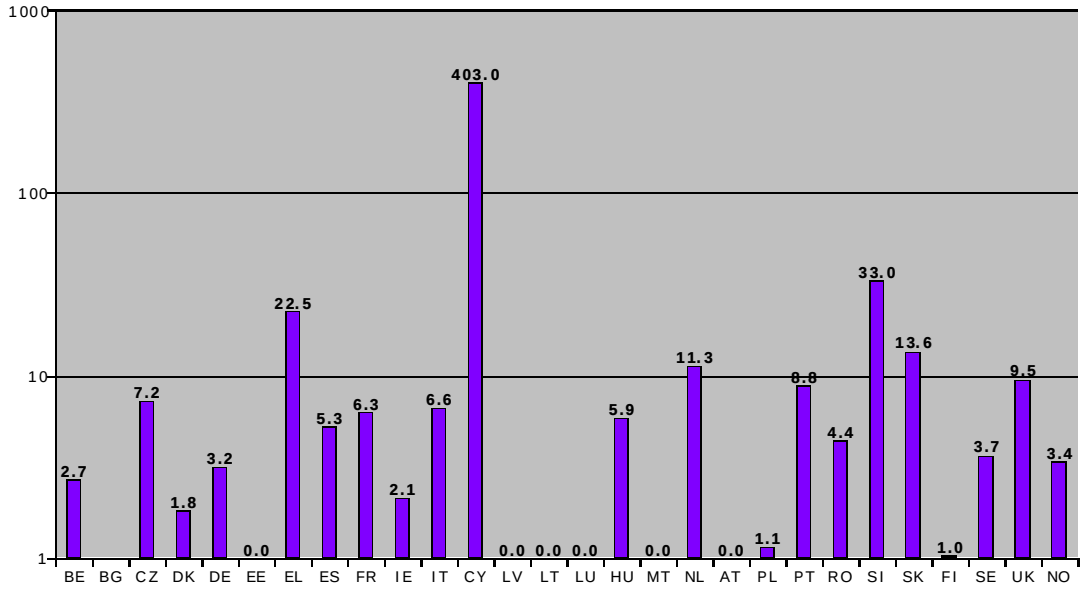


Chart SR8: Prevalence in tested animals (cases per 10 000 tested) of positives in ovine animals not slaughtered for human consumption (risk animals) in affected Member States (and Norway) from 2002 to 2009

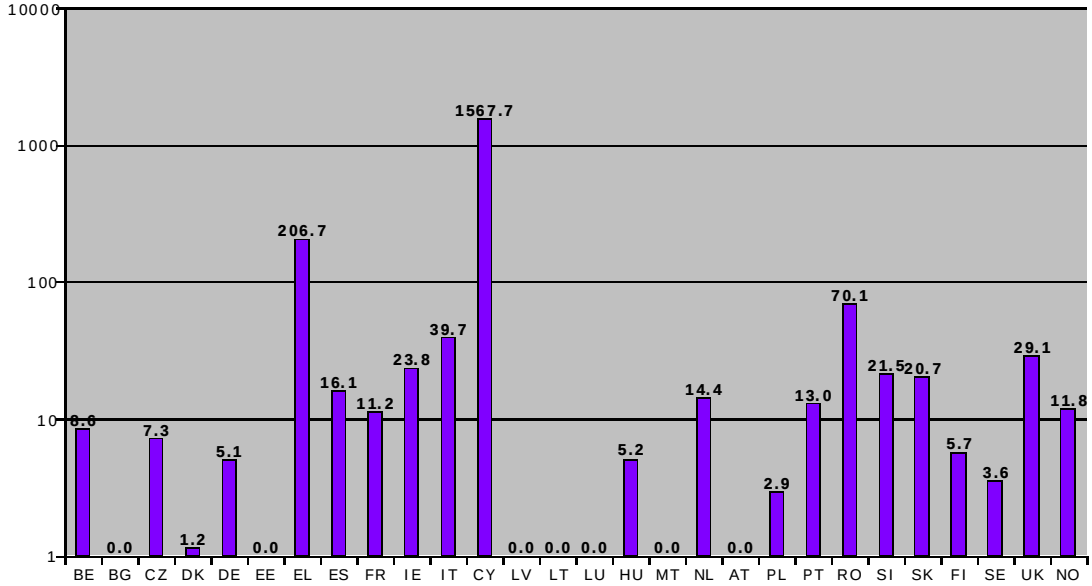


Chart SR9: Prevalence in tested animals (cases per 10 000 tested) of TSE in healthy slaughtered and risk ovine animals in the EU 27 (except Cyprus) from 2002 to 2009

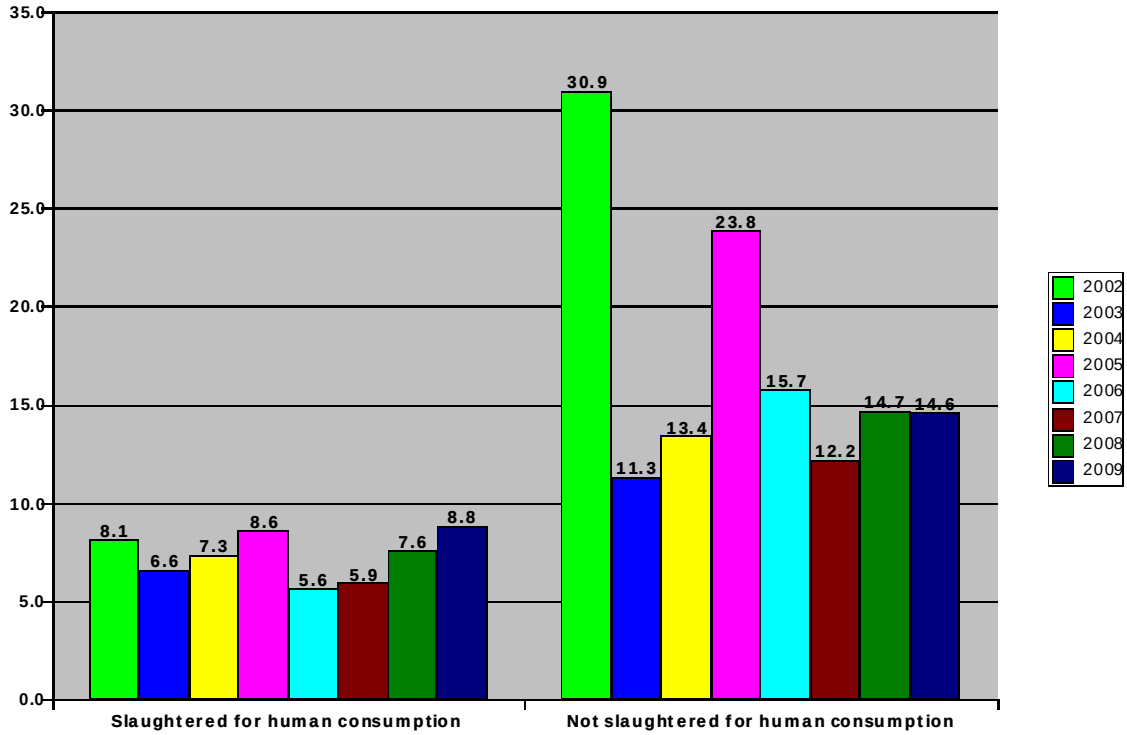


Chart SR10: Prevalence in tested animals (cases per 10 000 tested) of TSE in healthy slaughtered and risk caprine animals in the EU 27 (except Cyprus) from 2002 to 2009

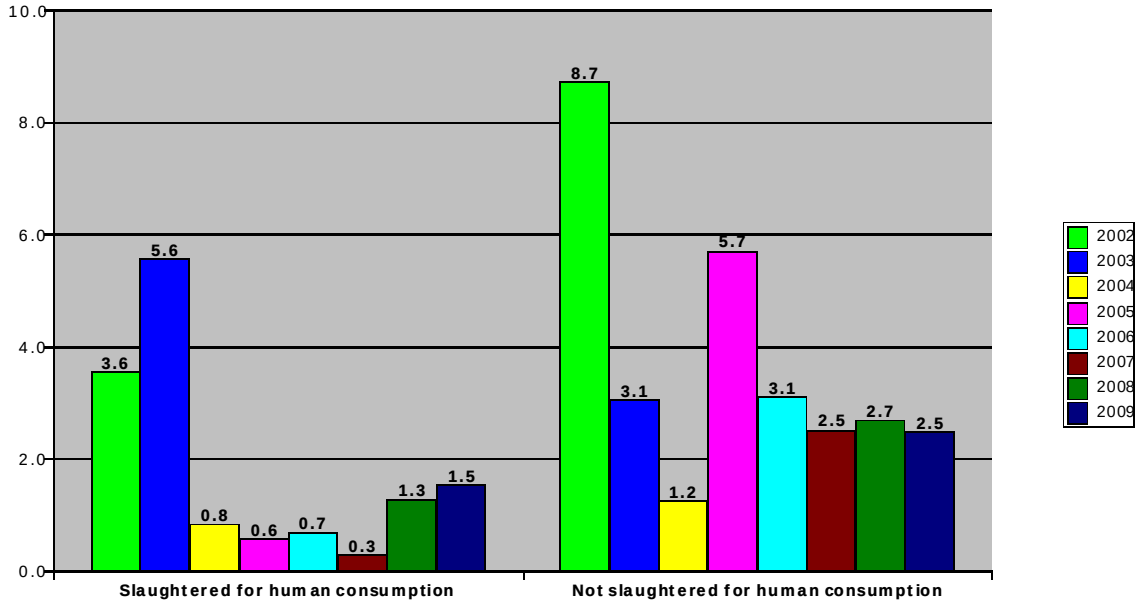
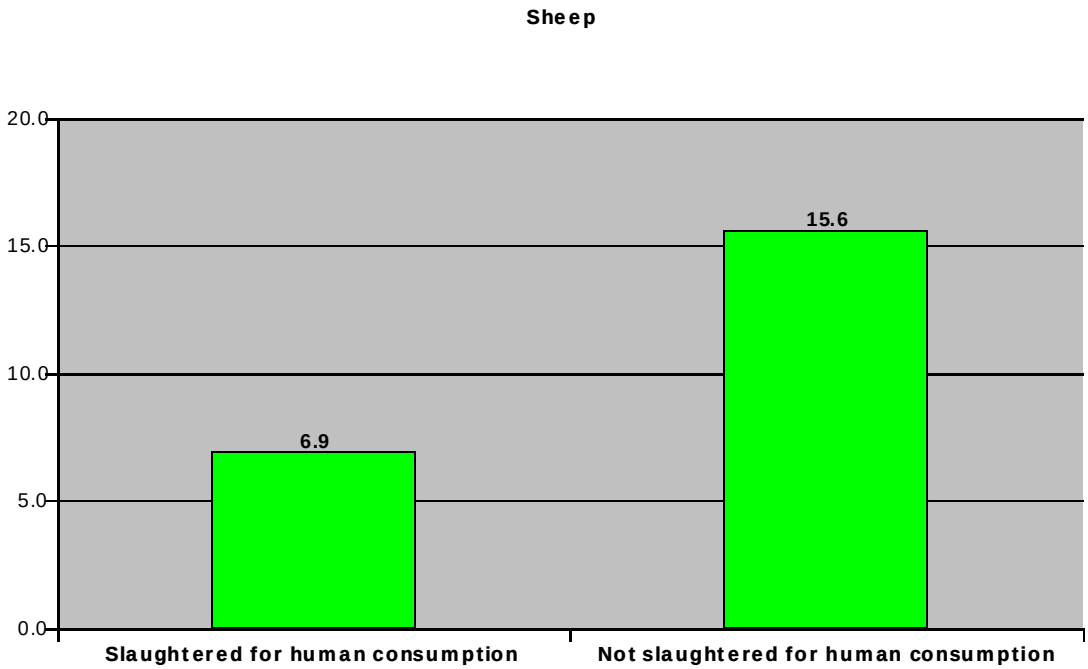
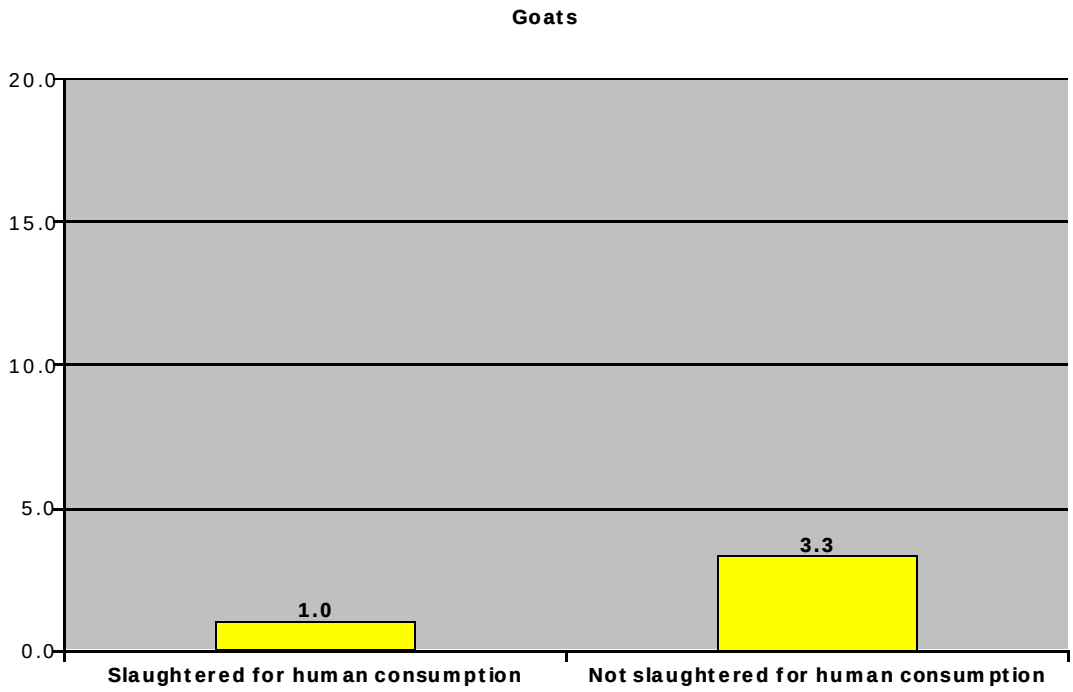


Chart SR11: Comparison of prevalence of TSE in small ruminants in the main target groups in the EU (except Cyprus) from 2002 to 2009





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 2009 (animals culled in the frame of TSE eradication are excluded)

	Sheep																	
	2004			2005			2006			2007			2008			2009		
	Total cases	Atypicals	%	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 %	0		0 %
Bulgaria	0	0	0 %	0	0	0 %	0	0	0 %	0		0 %	3	2	67 %	1		0 %
Ceská Republika	2	0	0 %	1	0	0 %	0	0	0 %	1		0 %	2		0 %	0		0 %
Danmark	0	0	0 %	0	0	0 %	3	3	100 %	0		0 %	2	2	100 %	0		0 %
Deutschland	43	0	0 %	28	0	0 %	24	0	0 %	15	9	60 %	7	3	43 %	11	4	36 %
Ellas	48	0	0 %	258	0	0 %	230	2	1 %	121	1	1 %	188		0 %	187		0 %
España	20	1	5 %	43	2	5 %	63	17	27 %	44		0 %	101		0 %	70		0 %
France	59	9	15 %	79	13	16 %	380	186	49 %	251	159	63 %	71	47	66 %	38	26	68 %
Ireland	55	2	4 %	27	0	0 %	54	0	0 %	37	1	3 %	16		0 %	23	2	9 %
Italia	24	0	0 %	58	7	12 %	134	15	11 %	121	22	18 %	80	8	10 %	70		0 %
Kypros	1 208	0	0 %	715	0	0 %	1 327	0	0 %	772		0 %	539		0 %			0 %
Magyarország	0	0	0 %	0	0	0 %	7	5	71 %	6	2	33 %	8	7	88 %	14	13	93 %
Nederland	39	0	0 %	37	2	5 %	43	0	0 %	25	2	8 %	12		0 %	3		0 %
Portugal	36	28	78 %	57	57	100 %	65	61	94 %	95	12	13 %	89	78	88 %	46	36	78 %
Romania	n/a	n/a		n/a			9	0	0 %	24		0 %	29		0 %			0 %
Slovenija	1	0	0 %	4	0	0 %	13	0	0 %	9		0 %	0		0 %	3		0 %
Slovensko	19	0	0 %	9	0	0 %	10	1	10 %	8		0 %	18		0 %	0		0 %
Suomi/Finland	1	1	100 %	1	1	100 %	2	2	100 %	1	1	100 %	0		0 %	0		0 %
Sverige	2	2	100 %	1	1	100 %	8	5	63 %	4	2	50 %	0		0 %	2	2	100 %
United Kingdom	331	17	5 %	346	30	9 %	217	60	28 %	81	40	49 %	26	17	65 %	36	26	72 %
EU 27	**1 892**	**61**	**3 %**	**1 666**	**114**	**7 %**	**2 592**	**360**	**14 %**	**1 618**	**253**	**16 %**	**1 191**	**164**	**14 %**	**504**	**109**	**22 %**
Norway	15	14	93 %	4	4	100 %	9	8	89 %	9	9	100 %	7	7	100 %	12	12	100 %
Others	**15**	**14**	**93 %**	**4**	**4**	**100 %**	**9**	**8**	**89 %**	**9**	**9**	**100 %**	**7**	**7**	**100 %**	**12**	**12**	**100 %**

Table SR8 (cont.)

	Goats																	
	2004			2005			2006			2007			2008			2009		
	Total cases	Atypicals	%	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 %	4	0	0 %
España	0	0	0 %	5	0	0 %	9	4	44 %	13	0	0 %	6	0	0 %	5	0	0 %
France	4	0	0 %	15	6	40 %	12	1	8 %	5	4	80 %	12	8	67 %	6	3	50 %
Italia	2	0	0 %	8	3	38 %	12	6	50 %	5	3	60 %	1	1	100 %	7	0	0 %
Kypros	354	0	0 %	387	0	0 %	713	0	0 %	1 158	0	0 %	1 094	0	0 %		0	0 %
Portugal	0	0	0 %	0	0	0 %	0	0	0 %	0	1	0 %	2	1	50 %	1	2	200 %
Romania	n/a	n/a		n/a				0	0 %	2	0	0 %	0	0	0 %		0	0 %
Suomi/Finland	0	0	0 %	2	0	0 %	0	0	0 %	0	0	0 %	0	0	0 %	1	0	0 %
United Kingdom	0	0	0 %	4	0	0 %	13	0	0 %	26	0	0 %	18	0	0 %	1	0	0 %
EU 27	**373**	**0**	**0 %**	**447**	**9**	**2 %**	**769**	**11**	**1 %**	**1 223**	**8**	**1 %**	**1 149**	**10**	**1 %**	**25**	**5**	**20 %**
Norway	0	0	0 %	0	0	0 %	1	1	100 %	0	0	0 %	0	0	0 %	0	0	0 %
Others	**0**	**0**	**0 %**	**0**	**0**	**0 %**	**1**	**1**	**100 %**	**0**	**0**		**0**	**0**		**0**	**0**	

Table SR9: Prevalence in animals tested of TSE cases reported as atypical in ovine animals from 2004 to 2009 (animals culled in the frame of TSE eradication are excluded)

	Sheep																	
	2004			2005			2006			2007			2008			2009		
	Animals tested	Atypicals	Ratio*	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	1 487	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	13 740	0	0.0
Ceská Republika	958	0	0,0	448	0	0,0	1 099	0	0.0	2 829	0	0.0	914	0	0.0	582	0	0.0
Danmark	5 349	0	0,0	4 394	0	0,0	8 067	3	3,7	6 197	0	0.0	6 950	2	2,9	6 055	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	23 169	4	1,7
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	17 385	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	29 320	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	57 629	26	4,5
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	18 719	2	1,1
Italia	21 879	0	0,0	22 731	7	3,1	55 920	15	2,7	91 991	22	2,4	33 962	8	2,4	24 316	0	0.0
Kypros	2 160	0	0,0	3 337	0	0,0	6 108	0	0.0	8 677	0	0.0	8 835	0	0.0		0	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	11 755	13	11,1
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	19 996	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	11 174	4	3,6
Portugal	44 224	28	6,3	72 516	57	7,9	63 711	61	9,6	85 101	12	1,4	86 380	78	9,0	37 363	36	9,6
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		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	3 584	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	2 167	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	1 138	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	4 808	2	4,2
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	23 094	26	11,3
EU 27	**287 897**	**61**	**2,1**	**322 127**	**114**	**3,5**	**1 001 883**	**358**	**3,6**	**817 255**	**253**	**3,1**	**430 316**	**164**	**3,8**	**307 481**	**113**	**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	13 067	12	9,2
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**	**13 067**	**12**	**9,2**

Table SR10: Prevalence in animals tested of TSE cases reported as atypical in caprine animals from 2004 to 2009 (animals culled in the frame of TSE eradication are excluded)

	Goats																	
	2004			2005			2006			2007			2008			2009		
	Animals tested	Atypicals	Ratio*	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	8 471	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	22 773	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	51 087	3	0,6
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	13 525	0	0.0
Kypros	1 335	0	0,0	3 387	0	0,0	6 025	0	0.0	6 781	0	0.0	5 496	0	0.0		0	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	6 874	2	2,9
Romania	n/a	n/a	0.0					0	0.0	618	0	0.0	928	0	0.0		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	350	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	648	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**	**103 728**	**5**	**0,5**
Norway	304	0	0,0	2 804	0	0,0	5 651	1	1,8	3 462	0	0.0	354	0	0.0	360	0	0.0
Others	**304**	**0**	**0,0**	**2 804**	**0**	**0,0**	**5 651**	**1**	**1,8**	**3 462**	**0**		**354**	**0**		**360**	**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 2009 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 2009 (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
Deutschland	11	11	0	0
España	105	103	0	2
France	47	47	0	0
Ireland	24	24	0	0
Italia	106	106	0	0
Magyarország	15	15	0	0
Nederland	3	3	0	0
Polska	3	0	0	3
Portugal	36	36	0	0
Slovenija	3	3	0	0
Sverige	2	2	0	0
United Kingdom	37	37	0	0
EU 27	**392**	**387**	**0**	**5**
Norway	13	13	0	0
Others	**13**	**13**	**0**	**0**

	Goats			
	Total	Excluding BSE	BSE like	Inconclusive
España	8	7	0	1
France	12	12	0	0
Italia	13	13	0	0
Portugal	2	2	0	0
United Kingdom	1	1	0	0
EU 27	**36**	**35**	**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 2009

		<1997	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Total
Polska	No of cases	0	0	0	2	0	2	0	0	0	0	0	0	**4**
	% of known	0%	0%	0%	50 %	0%	50 %	0%	0%	0%	0%	0%	0%	
Deutschland	No of cases	0	0	0	0	0	1	0	0	0	0	0	7	**8**
	% of known	0%	0%	0%	0%	0%	13 %	0%	0%	0%	0%	0%	88 %	
España	No of cases	0	0	1	4	10	5	7	8	15	16	30	7	**103**
	% of known	0%	0%	1 %	4 %	10 %	5 %	7 %	8 %	15 %	16 %	29 %	7 %	
France	No of cases	1	1	0	2	3	5	0	5	5	8	5	12	**47**
	% of known	2 %	2 %	0%	4 %	6 %	11 %	0%	11 %	11 %	17 %	11 %	26 %	
Ireland	No of cases	0	0	0	1	0	0	9	3	1	6	7	4	**31**
	% of known	0%	0%	0%	3 %	0%	0%	29 %	10 %	3 %	19 %	23 %	13 %	
Italia	No of cases	0	2	1	1	0	0	9	11	16	22	17	20	**99**
	% of known	0%	2 %	1 %	1 %	0%	0%	9 %	11 %	16 %	22 %	17 %	20 %	
Magyarország	No of cases	1	1	0	1	1	1	0	2	2	5	1	0	**15**
	% of known	7 %	7 %	0%	7 %	7 %	7 %	0%	13 %	13 %	33 %	7 %	0%	
Nederland	No of cases	0	0	0	0	0	0	0	0	0	3	0	0	**3**
	% of known	0%	0%	0%	0%	0%	0%	0%	0%	0%	100 %	0%	0%	
Portugal	No of cases	0	0	1	3	3	1	2	2	3	1	0	0	**16**
	% of known	0%	0%	6 %	19 %	19 %	6 %	13 %	13 %	19 %	6 %	0%	0%	
Slovenija	No of cases	0	0	0	0	0	0	2	0	1	0	0	0	**3**
	% of known	0%	0%	0%	0%	0%	0%	67 %	0%	33 %	0%	0%	0%	
Sverige	No of cases	0	0	1	1	0	0	0	0	0	0	0	0	**2**
	% of known	0%	0%	50 %	50 %	0%	0%	0%	0%	0%	0%	0%	0%	
United Kingdom	No of cases	0	0	0	0	0	0	1	1	0	1	2	0	**5**
	% of known	0%	0%	0%	0%	0%	0%	20 %	20 %	0%	20 %	40 %	0%	
Norway	No of cases	0	0	0	0	0	1	6	1	0	4	1	0	**13**
	% of known	0%	0%	0%	0%	0%	8 %	46 %	8 %	0%	31 %	8 %	0%	

Table SR13: Age distribution (months of age at confirmation) of positive cases in ovine animals of known age in 2009

			12-23	24-35	36-47	48-59	60-71	72-83	84-95	>95	Total
	No of cases	0	0	0	0	0	0	0	1	3	**4**
	% of known	0%	0%	0%	0%	0%	0%	0%	25 %	75 %	
	No of cases	0	7	0	0	0	0	0	0	1	**8**
	% of known	0%	88 %	0%	0%	0%	0%	0%	0%	13 %	
España	No of cases	1	0	7	32	15	15	7	7	19	**103**
	% of known	1 %	0%	7 %	31 %	15 %	15 %	7 %	7 %	18 %	
France	No of cases	1	2	10	5	8	6	4	1	10	**47**
	% of known	2 %	4 %	21 %	11 %	17 %	13 %	9 %	2 %	21 %	
Ireland	No of cases	0	0	3	8	6	1	3	9	1	**31**
	% of known	0%	0%	10 %	26 %	19 %	3 %	10 %	29 %	3 %	
Italia	No of cases	1	0	13	22	20	16	11	12	4	**99**
	% of known	1 %	0%	13 %	22 %	20 %	16 %	11 %	12 %	4 %	
Magyarország	No of cases	1	0	0	2	5	3	0	0	4	**15**
	% of known	7 %	0%	0%	13 %	33 %	20 %	0%	0%	27 %	
Nederland	No of cases	0	0	0	0	2	1	0	0	0	**3**
	% of known	0%	0%	0%	0%	67 %	33 %	0%	0%	0%	
Portugal	No of cases	0	0	0	1	0	3	2	2	8	**16**
	% of known	0%	0%	0%	6 %	0%	19 %	13 %	13 %	50 %	
Slovenija	No of cases	0	0	0	0	0	1	1	1	0	**3**
	% of known	0%	0%	0%	0%	0%	33 %	33 %	33 %	0%	
Sverige	No of cases	0	0	0	0	0	0	0	0	2	**2**
	% of known	0%	0%	0%	0%	0%	0%	0%	0%	100 %	
United Kingdom	No of cases	0	0	1	1	1	1	0	1	0	**5**
	% of known	0%	0%	20 %	20 %	20 %	20 %	0%	20 %	0%	
	No of cases	0	0	0	1	4	0	1	6	1	**13**
	% of known	0%	0%	0%	8 %	31 %	0%	8 %	46 %	8 %	

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

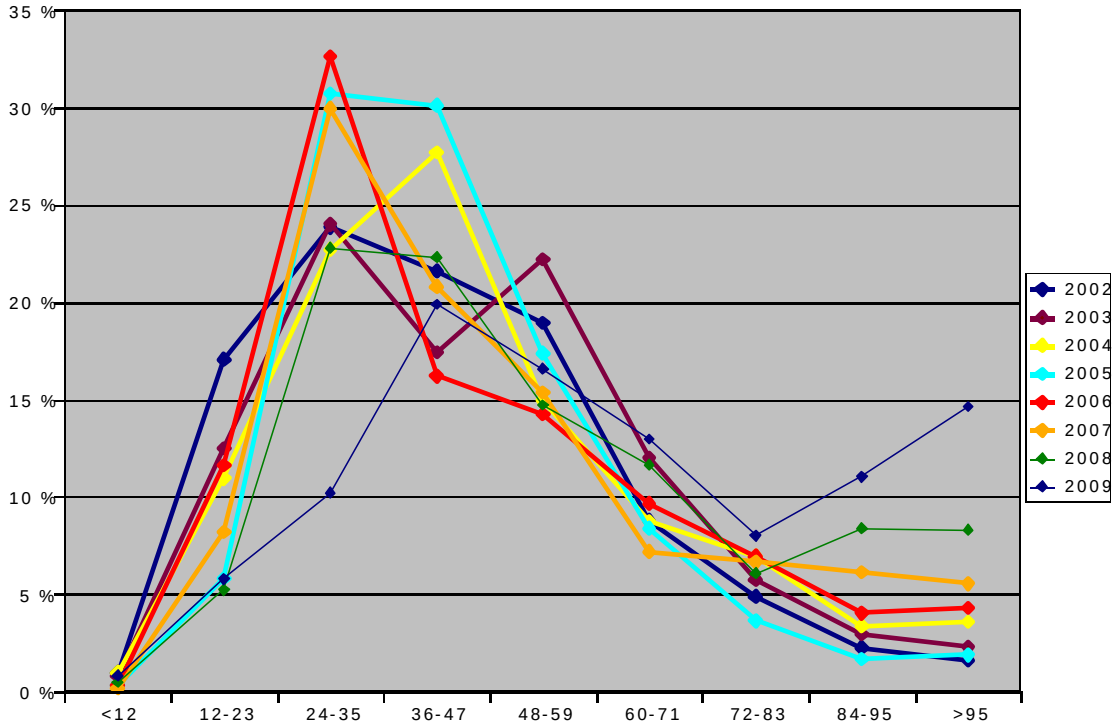
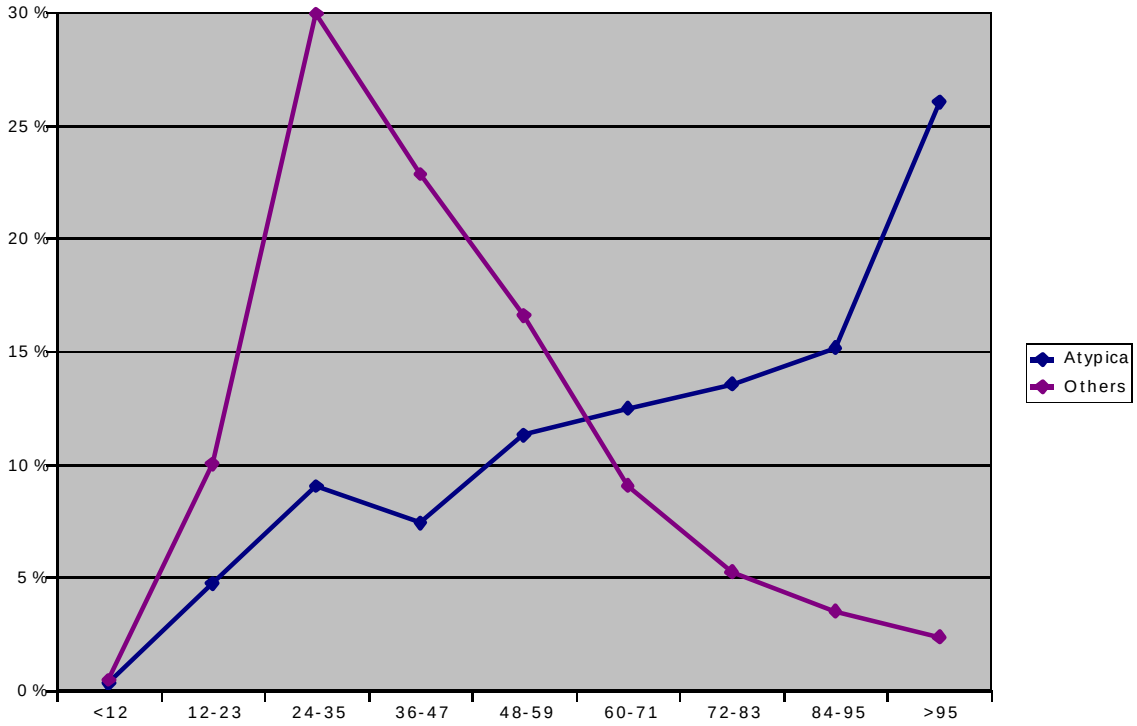


Chart SR13: Age distribution of TSE positive cases in sheep detected since 2002 in the EU 27 and Norway: comparison of cases reported as atypical with other cases



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 2009

	Known genotypes		Distribution of known genotypes					
	Number	% of TSE Positives	NSP1	NSP2	NSP3		NSP4	NSP5
					ARQ/ARQ	Others		
Polska	2	40 %	0%	0%	0%	100 %	0%	0%
Deutschland	3	27 %	0%	67 %	33 %	0%	0%	0%
España	90	85 %	2 %	2 %	90 %	4 %	0%	1 %
France	37	77 %	5 %	27 %	43 %	3 %	0%	22 %
Ireland	34	94 %	0%	3 %	50 %	6 %	0%	41 %
Italia	106	85 %	0%	0%	82 %	17 %	0%	1 %
Magyarország	15	100 %	13 %	33 %	27 %	20 %	0%	7 %
Nederland	3	75 %	0%	0%	0%	33 %	33 %	33 %
Portugal			0%	0%	0%	0%	0%	0%
Slovenija	3	100 %	0%	0%	0%	67 %	0%	33 %
Sverige	2	100 %	0%	0%	0%	100 %	0%	0%
United Kingdom	25	68 %	4 %	32 %	0%	32 %	0%	32 %
EU 25	**318**	**82 %**	**2 %**	**9 %**	**65 %**	**13 %**	**0 %**	**11 %**
Norway	4	25 %	25 %	25 %	0%	25 %	0%	25 %
Others	**4**	**25 %**	**25 %**	**25 %**	**0%**	**25 %**	**0%**	**25 %**

Chart SR14: Genotype distribution in atypical cases compared to other TSE cases detected between 2002 and 2009

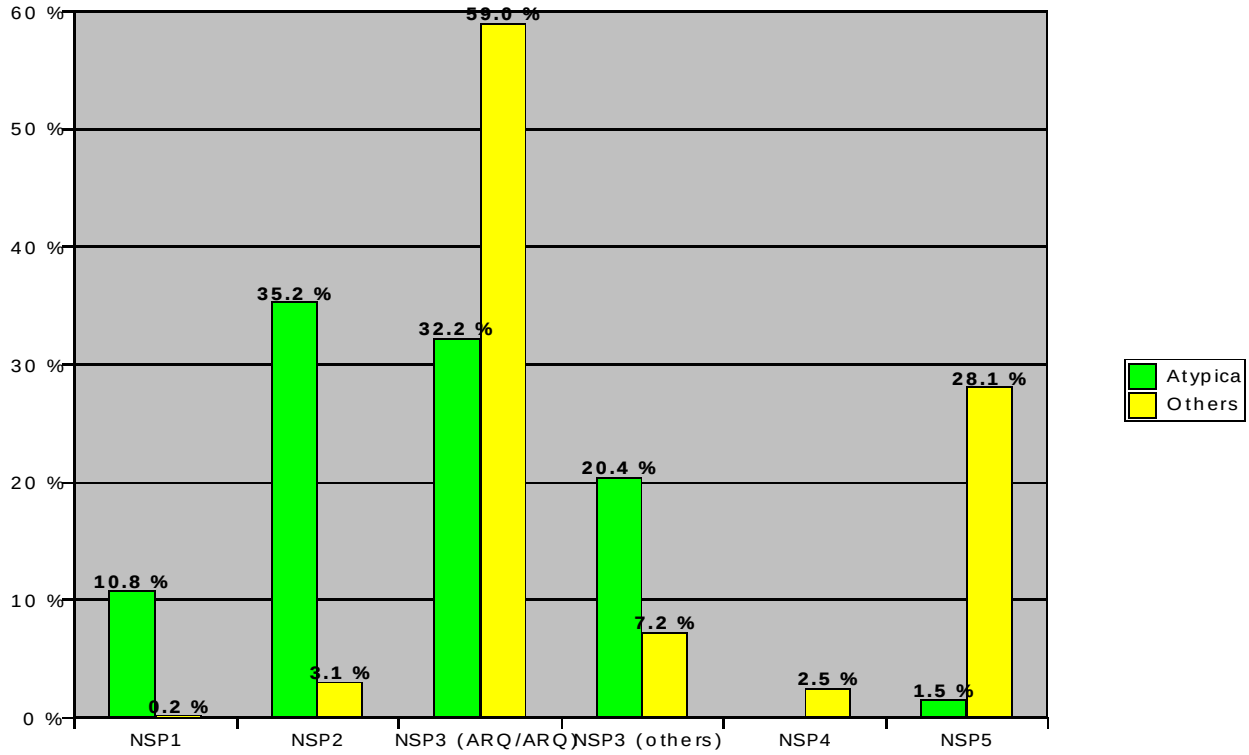


Table SR15: Age distribution of positive cases per genotype in the EU and Norway detected between 2002 and 2009

		<1	1	2	3	4	5	6	7	>7	Unkown		Total
NSP1	**cases**	0	3	12	8	11	11	8	14	22	25	1	**115**
	% of known	0%	3 %	10 %	7 %	10 %	10 %	7 %	12 %	19 %		1 %	
NSP2	**cases**	4	27	66	44	44	45	49	60	86	104	3	**532**
	% of known	1 %	5 %	12 %	8 %	8 %	8 %	9 %	11 %	16 %		1 %	
NSP3 (ARQ/ARQ)	**cases**	14	311	1 094	827	651	372	259	164	168	302	9	**4 171**
	% of known	0 %	7 %	26 %	20 %	16 %	9 %	6 %	4 %	4 %		0 %	
NSP3 (others)	**cases**	4	30	66	113	98	78	48	47	46	131	1	**662**
	% of known	1 %	5 %	10 %	17 %	15 %	12 %	7 %	7 %	7 %		0 %	
NSP4	**cases**	0	3	8	18	20	22	15	14	6	55	0	**161**
	% of known	0%	2 %	5 %	11 %	12 %	14 %	9 %	9 %	4 %		0%	
NSP5	**cases**	9	102	310	327	275	159	60	33	18	529	1	**1 823**
	% of known	0 %	6 %	17 %	18 %	15 %	9 %	3 %	2 %	1 %		0 %	
Unknown	**cases**	10	275	586	251	166	103	83	67	71	162	4	**1 778**
	% of known	1 %	15 %	33 %	14 %	9 %	6 %	5 %	4 %	4 %		0 %	
Total	**cases**	**41**	**751**	**2 142**	**1 588**	**1 265**	**790**	**522**	**399**	**417**	**1 308**	**19**	**9 242**
	% of known	**0,4%**	**8,1%**	**23,1 %**	**17,2 %**	**13,6 %**	**8,5%**	**5,6%**	**4,3%**	**4,5%**		**0,2%**	

Table SR16: Age distribution of positive cases per genotype in the EU and Norway detected between 2002 and 2009

	2002	2003	2004	2005	2006	2007	2008	2009	Average	Total nbr. of results
NSP1		118,7	60,3	42,0	71,5	75,7	75,8	106,3	**77,4**	**115**
NSP2	43,5	52,6	71,4	83,0	70,1	65,5	71,8	80,0	**69,8**	**527**
NSP3 (ARQ/ARQ)	53,2	50,8	50,3	52,0	64,1	67,9	68,8	68,8	**61,4**	**4 118**
NSP3 (others)	46,3	51,8	44,8	54,2	68,5	64,8	62,0	69,1	**60,3**	**660**
NSP4	63,6	65,9	78,5	64,4	63,3	48,1	88,7	60,0	**63,9**	**161**
NSP5	48,6	48,9	52,1	47,4	51,2	49,4	61,7	59,4	**51,2**	**1 822**
Unknown				44,5	61,5	57,6	61,4	81,8	**62,2**	**1 757**
Average	**51,0**	**52,4**	**53,8**	**55,0**	**63,6**	**62,3**	**66,1**	**72,2**	**61,1**	**9 160**

Table SR17: Distribution of genotypes in random sampled ovine animals in the EU in 2009

		NSP1	NSP2	NSP3		NSP4	NSP5	Total
				ARQ/ARQ	Others			
Belgique/België	No of samples	86	63	11	19	7	9	**195**
	%	44 %	32 %	6 %	10 %	4 %	5 %	
Ceská Republika	No of samples	16	49	27	8	2	6	**108**
	%	15 %	45 %	25 %	7 %	2 %	6 %	
Danmark	No of samples	21	20	50	6	0	5	**102**
	%	21 %	20 %	49 %	6 %	0 %	5 %	
Eesti	No of samples	96	118	20	11	3	2	**250**
	%	38 %	47 %	8 %	4 %	1 %	1 %	
Ellas	No of samples	43	154	123	65	0	25	**410**
	%	10 %	38 %	30 %	16 %	0%	6 %	
España	No of samples	104	280	295	72	20	24	**795**
	%	13 %	35 %	37 %	9 %	3 %	3 %	
France	No of samples	265	290	125	16	35	40	**771**
	%	34 %	38 %	16 %	2 %	5 %	5 %	
Ireland	No of samples	174	295	84	60	26	31	**670**
	%	26 %	44 %	13 %	9 %	4 %	5 %	
Italia	No of samples	91	256	185	53	7	4	**596**
	%	15 %	43 %	31 %	9 %	1 %	1 %	
Luxembourg	No of samples	90	36	0	1	1	0	**128**
	%	70 %	28 %	0%	1 %	1 %	0%	
Magyarország	No of samples	214	249	75	44	8	9	**599**
	%	36 %	42 %	13 %	7 %	1 %	2 %	
Österreich	No of samples	11	38	34	19	2	3	**107**
	%	10 %	36 %	32 %	18 %	2 %	3 %	
Portugal	No of samples	115	263	227	47	29	23	**704**
	%	16 %	37 %	32 %	7 %	4 %	3 %	
Slovenija	No of samples	8	23	44	11	2	4	**92**
	%	9 %	25 %	48 %	12 %	2 %	4 %	
Slovensko	No of samples	968	1 275	202	74	0	173	**2 692**
	%	36 %	47 %	8 %	3 %	0%	6 %	
Suomi/Finland	No of samples	0	7	73	10	0	6	**96**
	%	0 %	7 %	76 %	10 %	0 %	6 %	
Sverige	No of samples	4	13	63	10	1	8	**99**
	%	4 %	13 %	64 %	10 %	1 %	8 %	
United Kingdom	No of	150	260	70	48	19	22	**569**

	samples							
	%	26 %	46 %	12 %	8 %	3 %	4 %	
EU 27	**No of samples**	**2 456**	**3 689**	**1 708**	**574**	**162**	**394**	**8 983**
	%	**27 %**	**41 %**	**19 %**	**6 %**	**1,8 %**	**4,4 %**	

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 (2009)	NSP1	NSP2	NSP3		NSP4	NSP5	Others
			ARQ/ARQ	Others			
Belgique/België	43,2 %	31,7 %	5,5 %	9,5 %	3,5 %	4,5 %	2,0 %
Ceská Republika	14,8 %	45,4 %	25,0 %	7,4 %	1,9 %	5,6 %	
Danmark	20,6 %	19,6 %	49,0 %	5,9 %	0,0 %	4,9 %	
Ellas	9,3 %	33,5 %	26,7 %	14,1 %		5,4 %	7,0 %
España	13,1 %	35,2 %	37,1 %	9,0 %	2,5 %	3,0 %	0,1 %
France	32,8 %	35,9 %	15,5 %	2,0 %	4,3 %	5,0 %	4,6 %
Ireland	26,0 %	44,0 %	12,5 %	9,0 %	3,9 %	4,6 %	
Italia	15,2 %	42,7 %	30,8 %	8,8 %	1,2 %	0,7 %	
Magyarország	35,7 %	41,6 %	12,5 %	7,3 %	1,3 %	1,5 %	
Portugal	16,3 %	37,4 %	32,2 %	6,7 %	4,1 %	3,3 %	
Slovenija	8,3 %	24,0 %	45,8 %	11,5 %	2,1 %	4,2 %	4,2 %
Slovensko	36,0 %	47,4 %	7,5 %	2,7 %		6,4 %	
United Kingdom	25,9 %	44,9 %	12,1 %	8,3 %	3,3 %	3,8 %	

Classical cases (2009)	NSP1	NSP2	NSP3		NSP4	NSP5	Unknown
			ARQ/ARQ	Others			
España	0.0 %	1,2 %	86,0 %	1,2 %	0.0 %	1,2 %	7,0 %
France	0.0 %	0.0 %	26,3 %	5,3 %	0.0 %	36,8 %	31,6 %
Ireland	0.0 %	3,1 %	46,9 %	6,3 %	0.0 %	43,8 %	
Italia	0.0 %	0.0 %	83,2 %	15,8 %	0.0 %	1,0 %	
Magyarország	0.0 %	100,0 %			0.0 %		
Nederland	0.0 %	0.0 %		33,3 %	33,3 %	33,3 %	
Slovenija	0.0 %	0.0 %		66,7 %	0.0 %	33,3 %	
United Kingdom	0.0 %	0.0 %		9,1 %	0.0 %	72,7 %	18,2 %

Odds ratio	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
España	**0.00**	**0,01**	**1,00**	**0,06**	**0.00**	**0,37**
France	**0.00**	**0.00**	**1,00**	**1,62**	**0.00**	**4,95**
Italia	**0.00**	**0.00**	**1,00**	**0,48**	**0.00**	**0,14**

Magyarország	**0.00**	**0.00**			**0.00**	
Nederland	**0.00**	**0.00**			**0.00**	
Slovenija	**0.00**	**0.00**			**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 (2009)	NSP1	NSP2	NSP3		NSP4	NSP5	Others
			ARQ/ARQ	Others			
Belgique/België	43,2 %	31,7 %	5,5 %	9,5 %	3,5 %	4,5 %	2,0 %
Danmark	20,6 %	19,6 %	49,0 %	5,9 %	0,0 %	4,9 %	
Ellas	9,3 %	33,5 %	26,7 %	14,1 %		5,4 %	7,0 %
España	13,1 %	35,2 %	37,1 %	9,0 %	2,5 %	3,0 %	0,1 %
France	32,8 %	35,9 %	15,5 %	2,0 %	4,3 %	5,0 %	4,6 %
Ireland	26,0 %	44,0 %	12,5 %	9,0 %	3,9 %	4,6 %	
Italia	15,2 %	42,7 %	30,8 %	8,8 %	1,2 %	0,7 %	
Magyarország	35,7 %	41,6 %	12,5 %	7,3 %	1,3 %	1,5 %	
Portugal	16,3 %	37,4 %	32,2 %	6,7 %	4,1 %	3,3 %	
Slovensko	36,0 %	47,4 %	7,5 %	2,7 %		6,4 %	
Suomi/Finland	0,0 %	7,3 %	76,0 %	10,4 %	0,0 %	6,3 %	
Sverige	4,0 %	13,0 %	63,0 %	10,0 %	1,0 %	8,0 %	
United Kingdom	25,9 %	44,9 %	12,1 %	8,3 %	3,3 %	3,8 %	

Atypical cases (2009)	NSP1	NSP2	NSP3		NSP4	NSP5	Unknown
			ARQ/ARQ	Others			
Belgique/België	25,0 %	25,0 %	12,5 %	37,5 %	0%	0%	0%
Danmark	0%	16,7 %	16,7 %	66,7 %	0%	0%	0%
Ellas	0%	66,7 %	0%	33,3 %	0%	0%	0%
España	4,0 %	20,0 %	31,2 %	21,6 %	0%	0%	16,8 %
France	10,9 %	28,2 %	33,3 %	8,9 %	0%	1,0 %	14,3 %
Ireland	0%	20,0 %	60,0 %	20,0 %	0%	0%	0%
Italia	13,5 %	28,8 %	44,2 %	13,5 %	0%	0%	0%
Magyarország	16,7 %	40,0 %	26,7 %	13,3 %	0%	3,3 %	0%
Portugal	5,0 %	6,4 %	6,7 %	4,3 %	0%	0%	64,2 %
Slovensko	100,0 %	0%	0%	0%	0%	0%	0%
Suomi/Finland	0%	0%	60,0 %	20,0 %	0%	0%	0%
Sverige	0%	30,0 %	25,0 %	20,0 %	0%	0%	20,0 %
United Kingdom	4,4 %	44,7 %	9,7 %	28,6 %	0%	0,5 %	12,1 %

Odds ratio	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
Belgique/België	**0,26**	**0,35**	**1,00**	**1,74**	**0.00**	**0.00**
Danmark	**0.00**	**2,50**	**1,00**	**33,33**	**0.00**	**0.00**
Ellas	**0.00**	**0.00**	**1.00**	**0.00**	**0.00**	**0.00**
España	**0,36**	**0,68**	**1,00**	**2,84**	**0.00**	**0.00**
France	**0,15**	**0,37**	**1,00**	**2,08**	**0.00**	**0,09**
Ireland	**0.00**	**0,09**	**1,00**	**0,47**	**0.00**	**0.00**
Italia	**0,62**	**0,47**	**1,00**	**1,06**	**0.00**	**0.00**
Magyarország	**0,22**	**0,45**	**1,00**	**0,85**	**0.00**	**1,04**
Portugal	**1,48**	**0,82**	**1,00**	**3,14**	**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**	**2,43**	**0.00**	**0.00**
Sverige	**0.00**	**5,82**	**1,00**	**5,04**	**0.00**	**0.00**
United Kingdom	**0,21**	**1,24**	**1,00**	**4,30**	**0.00**	**0,16**

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:

$$\frac{\textit{\% cases in a country with a certain NSP genotype / \% random samples in a country with a certain NSP genotype}}{\textit{\% cases in a country with ARQ/ARQ genotype / \% random samples in a country with ARQ/ARQ genotype}}$$

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 2009

The information shown in the following tables is updated according to the information electronically submitted by the MS to the EU-database up to 18 June 2010.

Table C1: Results of the survey for chronic wasting disease in farmed cervids in 2009 according to Commission Decision 2007/182/EC

		Clinical/sick animals		Fallen/culled animal		Healthy slaughtered animal		Road injured/killed animal			
Year of sampling	Countries	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Total tests	Total positives
2009	AUSTRIA	0	0	2	0	5	0	0	0	**7**	0
	CZECH REPUBLIC		0	3	0	6	0		0	**9**	0
	ESTONIA		0		0	0	0		0	**0**	0
	FRANCE		0		0	10	0		0	**10**	0
	GERMANY	4	0	15	0	201	0	2	0	**222**	0
	POLAND		0	2	0		0		0	**2**	0
	PORTUGAL	0	0	0	0	50	0		0	**50**	0
	SLOVENIA	1	0		0		0		0	**1**	0
	UNITED KINGDOM	2	0		0	15	0		0	**17**	0
Total 2009		**7**	**0**	**22**	**0**	**287**	**0**	**2**	**0**	**318**	0

Table C2: Results of the survey for chronic wasting disease in wild cervids in 2009 according to Commission Decision 2007/182/EC

		Clinical/sick animals		Fallen animals		Healthy shot animal		Road injured/killed animal			
Year of sampling	Countries	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Total tests	Total positives
2009	AUSTRIA	0	0	1	0	0	0	0	0	**1**	0
	CZECH REPUBLIC		0	2	0	3	0		0	**5**	0
	ESTONIA		0	1	0		0		0	**1**	0
	FINLAND	3	0	5	0	129	0	5	0	**142**	0
	FRANCE		0		0	61	0		0	**61**	0
	GERMANY	3	0	18	0	248	0	1	0	**270**	0
	LATVIA		0		0	3	0	1	0	**4**	0
	POLAND		0	3	0	23	0	7	0	**33**	0
	PORTUGAL	0	0	1	0	4	0		0	**5**	0
	SLOVENIA	6	0		0		0		0	**6**	0
	SPAIN	1	0	13	0	331	0	15	0	**360**	0
	UNITED KINGDOM		0		0	27	0	3	0	**30**	0
Total 2009		**13**	**0**	**44**	**0**	**829**	**0**	**32**	**0**	**918**	0