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HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Safety of the Food chain
Food Hygiene, alert system and training

Report on the monitoring and testing of ruminants for the presence of transmissible spongiform encephalopathy (TSE) in the EU in 2007

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TABLE OF CONTENTS

1. SUMMARY.....	4
2. MONITORING PROGRAMMES, SAMPLING AND TEST METHODS.....	5
2.1. Legal basis.....	5
2.2. BSE monitoring of bovine animals.....	5
2.3. TSE monitoring of ovine and caprine animals.....	6
2.4. TSE monitoring in other animal species	7
2.5. Sampling and testing for TSE monitoring.....	7
2.6. Genotyping of ovine animals.....	8
2.7. Sampling and testing for the prion protein genotype.....	8
3. ANNUAL AND MONTHLY REPORTS.....	10
4. SUMMARY OF THE BSE TESTING IN BOVINE ANIMALS DURING 2006.....	14
4.1. Sampling	14
4.2. BSE positive cases.....	19
4.3. Testing by target group.....	28
4.4. Age distribution of BSE positive cases	36
4.5. Year of birth distribution of BSE positive cases detected since 2001	47
4.6. Prevalence of BSE in different age categories.....	50
4.7. BSE in young animals	63
5. SUMMARY OF TSE TESTING IN OVINE AND CAPRINE ANIMALS DURING 2007	69
5.1. Sampling	69
5.2. Positive cases	72
5.3. Atypical cases.....	85
5.4. TSE discriminatory tests	89
5.5. Age distribution of TSE positive cases in ovine animals	90
5.6. Genotyping	93
6. SUMMARY OF TSE TESTING IN OTHER SPECIES DURING 2007.....	101

LIST OF ACRONYMS

AM :	Ante-mortem inspection
BSE :	Bovine spongiform encephalopathy
CWD:	Chronicle wasting disease
DNA :	Deoxyribonucleic acid
EU-15 :	The 15 countries, member of the European Union before 1 May 2004
EU-15(-UK) :	The EU 15 except the United Kingdom
EU-10	The 10 new countries, member of the European Union since 1 May 2004
EU-25 :	The 25 countries, member of the European Union since 1 May 2004
EU-25(-UK) :	The EU 25 except the United Kingdom
EU-25(-CY)	The EU 25 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 2007, a total of 9 692 642 bovine, 828 644 ovine and 277 196 caprine animals were tested in the EU 27 in the framework of the TSE monitoring programmes. 173 bovine, 2 253 ovine and 1272 caprine animals turned out positive.

1 445 478 risk bovine animals and 8 243 840 healthy animals slaughtered for human consumption were tested by rapid tests. 1 867 bovine animals were tested in the framework of passive surveillance (animals reported as official BSE suspects. In addition, 1 457 animals were tested in the framework of culling of animals with an epidemiological connection to a BSE case. 91 % of positive cases were detected by the active monitoring (testing of risk animals, healthy slaughtered and culled cattle) and 9 % were detected by passive surveillance.

No indigenous BSE cases were found in Belgium, Bulgaria, Denmark, Estonia, Greece, Cyprus, Latvia, Lithuania, Luxembourg, Malta, Hungary, Finland and Sweden. The number of BSE cases and the overall prevalence in tested animals decreased by respectively 46 % and 41 % in 2007 compared to 2006.

826 730 ovine animals were tested by active monitoring, while 1914 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 276 040 (active monitoring) and 1156 (TSE suspects). and 60 TSE cases in respectively sheep and goats confirmed in 2007 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, 10 757 animals were tested between 2006 and 2007 hunting seasons. None of them turned out positive.

All Member States submitted information on the 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 TEST METHODS

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 (the TSE Regulation) as amended. The legal framework for the active monitoring of ruminants for the presence of TSE is laid down in Article 6 of the TSE Regulation and specified in its Annex III Chapter A. In the beginning of 2007, active monitoring was carried out in accordance with the amendments of the TSE Regulation laid down in Commission Regulation (EC) No 1041/2006. However, from July 2007 the amendments in Commission Regulation (EC) No 727/2007 became applicable laying down new requirements for TSE monitoring in sheep and goats. The EU legislation on TSE monitoring applicable is summarised in Table 1.

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

Finally, the legal basis for the survey of prion protein genotypes of TSE cases in sheep, of random sampled sheep are points 8.1 and 8.2 to Chapter A in Annex III of the TSE Regulation as amended by Commission Regulation (EC) No 727/2007.

2.2. BSE monitoring of bovine animals

The monitoring of bovine animals for the presence of BSE was 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 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. Until May 2006 Sweden was allowed to test only a random sample. Following the detection of a BSE case in March 2006, Regulation (EC) No 668/2006 of 4 May 2006 aligned the requirements for the monitoring of healthy slaughtered animals in Sweden to the general monitoring system to be applied in the rest of Member States.

(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) Suspects subject to laboratory examination:

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

In November 2005, the United Kingdom replaced the OTM rule by the pre-1996 rule. Bovine animals born before 1 August 1996 are permanently excluded from the food and feed chain. Since October 2004, the United Kingdom applies the same monitoring programme as the other Member States for the bovine population born after 31 July 1996. In addition, all animals born between 1 August 1995 and 1 August 1996 killed for destruction pursuant Regulation (EC) No 716/96 are tested for BSE (see Table 1).

2.3. TSE monitoring of ovine and caprine animals

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

(7) Healthy animals over 18 months of age which are slaughtered for human consumption:

Until 30 June 2007 testing in ovine animals was mandatory in for all animals except in Member States with major ovine population in which a minimum

sample size was introduced. From 1 July 2007, as provided in Regulation (EC) 727/2007 only Member States with major ovine population must test an annual minimum sample size.

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 over 18 months of age which are not slaughtered for human consumption:

Containing 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 > 18 months of age.

(9) Animals culled under TSE eradication:

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

(10) TSE suspects subject to laboratory examination.

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

2.4. TSE monitoring in other animal species

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

The provision on examination of cases of TSE suspicions in Article 12 of the TSE Regulation applies to all animal species. Active monitoring in species other than bovines, ovines, caprines and cervids is voluntary and without further specifications.

2.5. Sampling and testing for TSE monitoring

Samples collected in the context of TSE active monitoring were 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 were performed by histopathology or, if appropriate, by immunocytochemistry, immunoblotting or by demonstration of characteristic fibrils by electron microscopy.

Further discrimination between BSE and scrapie has become mandatory from January 2005 on by Commission Regulation (EC) No 36/2005. To this purpose the discriminatory immuno-blottings, immunocytochemistry and enzyme linked immunosorbent assay were laid down in Chapter C point

3.2.(c) of Annex X of the TSE Regulation. In addition the mouse bio-assay method should be applied to certain samples for final confirmation or exclusion of BSE.

2.6. Genotyping of ovine animals

The genotyping of ovine animals was conducted under the following categories:

- (1) TSE positive animals.
- (2) A random sample selected from the healthy animals over 18 months of age slaughtered for human consumption or live animals of a similar age.

2.7. Sampling and testing for the prion protein genotype

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 were used.

Table 1: Summary of the EU legislation on TSE monitoring in 2007

	EU except UK	UK
Legal provisions	Regulation (EC) No 999/2001 as amended Commission Decision 2007/182/EC	Regulation (EC) No 999/2001 as amended Regulation (CE) No 716/96. Commission Decision 2007/182/EC
Bovine animals		
Special emergency slaughter	All > 24 months	
Clinical signs at ante-mortem inspection	All > 24 months	
Fallen stock	All > 24 months	
Animals slaughtered for human consumption	All >30 months	All > 30 months (except pre-96)
BSE suspects	All	
Other		All animals born between 1 August 1995 and 1 August 1996 killed for destruction pursuant Regulation (EC) No 716/96
Ovine and caprine animals		
Animals slaughtered for human consumption	Until 31 June 2007 All animals > 18 months in MS with minor populations. A statistically based minimum annual sample size in the other MS From 1 July 2007, a minimum annual sample size in MS with major populations	
Animals not slaughtered for human consumption	Minimal sample size in ovine animals > 18 months according to the population of ewes and ewe lambs put to the ram	
Animals in infected flocks	Minimal sample size in animals > 12 months	
Cervids		
A minimum sample size for Certain target groups in wild and farmed red deer (<i>Cervus elaphus</i>) and/or wild white-tailed deer (<i>Odocoileus virginianus</i>)		
Other than bovine, ovine and caprine animals and cervids: voluntary		

3. ANNUAL AND MONTHLY REPORTS

In accordance with Article 6.4 and as specified in Chapter B.I of Annex III in the TSE Regulation Member States shall submit an annual report to the Commission on the monitoring programme performed and the outcome of it. In 2006, the specifications laid down in Regulation (EC) No 36/2005, amending the TSE Regulation were applicable.

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

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

(1) Bovine animals:

(a) Active Monitoring

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

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

(b) Passive surveillance

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

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

(2) Ovine and caprine animals

(a) Active Monitoring

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

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

(b) Passive Surveillance

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

Table 2: Age limits used in sampling of bovine animals

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

The names of the 25 Member States in 2006, are quoted in this report in their own language or by using the ISO code.

Name	ISO Code	English	Français	Deutsch
Belgique/België	BE	Belgium	Belgique	Belgien
Česká Republika	CZ	Czech Republic	République tchèque	Tschechische Republik
Danmark	DK	Denmark	Danemark	Dänemark
Deutschland	DE	Germany	Allemagne	Deutschland
Eesti	EE	Estonia	Estonie	Estland
Ellas	EL	Greece	Grèce	Griechenland
España	ES	Spain	Espagne	Spanien
France	FR	France	France	Frankreich
Ireland	IE	Ireland	Irlande	Irland
Italia	IT	Italy	Italie	Italien
Kypros	CY	Cyprus	Chypre	Zypern
Latvija	LV	Latvia	Lettonie	Lettland
Lietuva	LT	Lithuania	Lituanie	Litauen
Luxembourg	LU	Luxembourg	Luxembourg	Luxemburg
Magyarország	HU	Hungary	Hongrie	Ungarn
Malta	MT	Malta	Malte	Malta
Nederland	NL	Netherlands	Pays-Bas	Niederlande
Österreich	AT	Austria	Autriche	Österreich
Polska	PL	Poland	Pologne	Polen
Portugal	PT	Portugal	Portugal	Portugal
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 2006

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 14 June 2008. Information on the population in 2007 was obtained from Eurostat.

4.1. Sampling

Comments on the sampling

The monitoring programme carried out in 2007 was similar to the programme carried out in 2006. Over 71 million cattle have been tested in the EU since 2001. The percentage of tested risk animals and healthy slaughtered cattle compared to the adult population (Table B2) should be interpreted with caution as certain Member States were running monitoring programmes under different conditions (e.g. the United Kingdom), as additional voluntary testing of younger cattle occurred in certain Member States and as there may be a difference in risk animals, including fallen stock, per year in relation to the population because of different production systems.

Chart B1: Total tests performed in the period 2001-2007 in the EU



Table B1: Total tests performed in 2007 per Member State and target group

	Clinical signs at AM	Emergency slaughter	Eradication Measures	Fallen stock	Healthy slaughtered animals	Suspects subject to laboratory examination	Total
Belgique/België	148	735	0	46 094	312 835	40	359 852
Bulgaria	0	3 073	0	1 321	14 210	0	18 604
Česká Republika	85	32 076	164	29 904	98 191	0	160 420
Danmark	4	1 577	3	39 688	191 349	6	232 627
Deutschland	26	11 005	59	220 295	1 418 367	1 482	1 651 234
Eesti	312	276	0	6 404	28 324	0	35 316
Ellas	4	80	0	4 265	26 097	0	30 446
España	1 196	681	263	88 552	376 113	21	466 826
France	0	5 433	20	253 651	2 097 137	11	2 356 252
Ireland	1 926	0	100	83 799	725 029	95	810 949
Italia	25 879	11 045	13	57 684	535 178	9	629 808
Kypros	0	149	0	1 069	6 743	0	7 961
Latvija	70	382	0	2 048	44 045	0	46 545
Lietuva	134	929	0	7 024	93 127	0	101 214
Luxembourg	0	6	0	3 450	10 101	3	13 560
Magyarország	15	1 982	0	13 598	69 551	21	85 167
Malta	0	174	0	70	2 152	0	2 396
Nederland	0	5 220	14	60 907	399 181	14	465 336
Österreich	406	1 808	0	17 546	199 492	5	219 257
Polska	171	9 530	42	47 713	546 302	52	603 810
Portugal	4 059	1 506	204	26 250	56 807	10	88 836
România	900	941	0	2 074	128 773	0	132 688
Slovenija	920	219	2	8 272	21 954	17	31 384
Slovensko	3	831	78	14 125	46 850	0	61 887
Suomi/Finland	160	574	0	18 469	100 133	2	119 338
Sverige	0	297	0	16 500	172 664	10	189 471
United Kingdom	3 361	5 396	495	239 002	523 135	69	771 458
EU 27	39 779	95 925	1 457	1 309 774	8 243 840	1 867	9 692 642
Norway	48	7 294	0	2 162	9 995	0	19 499

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

	Adult cattle (*)	Risk animals		Healthy slaughtered	
		N° Tests	% tests/adult cattle	N° Tests	% tests/adult cattle
Belgique/België	1 354 000	46 977	3,47 %	312 835	23,10 %
Bulgaria	380 600	4 394	1,15 %	14 210	3,73 %
Česká Republika	643 600	62 065	9,64 %	98 191	15,26 %
Danmark	743 000	41 269	5,55 %	191 349	25,75 %
Deutschland	5 758 000	231 326	4,02 %	1 418 367	24,63 %
Eesti	126 200	6 992	5,54 %	28 324	22,44 %
Ellas	355 000	4 349	1,23 %	26 097	7,35 %
España	3 240 400	90 429	2,79 %	376 113	11,61 %
France	10 442 800	259 084	2,48 %	2 097 137	20,08 %
Ireland	3 069 600	85 725	2,79 %	725 029	23,62 %
Italia	2 918 000	94 608	3,24 %	535 178	18,34 %
Kypros	25 300	1 218	4,81 %	6 743	26,65 %
Latvija	211 400	2 500	1,18 %	44 045	20,83 %
Lietuva	455 500	8 087	1,78 %	93 127	20,45 %
Luxembourg	96 200	3 456	3,59 %	10 101	10,50 %
Magyarország	365 000	15 595	4,27 %	69 551	19,06 %
Malta	9 200	244	2,65 %	2 152	23,39 %
Nederland	1 695 000	66 127	3,90 %	399 181	23,55 %
Österreich	929 000	19 760	2,13 %	199 492	21,47 %
Polska	3 008 300	57 414	1,91 %	546 302	18,16 %
Portugal	821 200	31 815	3,87 %	56 807	6,92 %
România	1 795 300	3 915	0,22 %	128 773	7,17 %
Slovenija	205 100	9 411	4,59 %	21 954	10,70 %
Slovensko	252 500	14 959	5,92 %	46 850	18,55 %
Suomi/Finland	370 600	19 203	5,18 %	100 133	27,02 %
Sverige	668 300	16 797	2,51 %	172 664	25,84 %
United Kingdom	4 777 000	247 759	5,19 %	523 135	10,95 %
Total EU 27	44 716 100	1 445 478	3,23 %	8 243 840	18,44 %
Norway	404 000	9 504	2,35 %	9 995	2,47 %

(*) Eurostat December 2007

Table B3: Comparative active monitoring 2007 versus 2006

	Healthy Slaughtered			Risk Animals			Total active monitoring		
	2006	2007	Diff	2006	2007	Diff	2006	2007	Diff
Belgique/België	319 616	312 835	-2,12 %	45 102	46 977	4,16 %	364 726	359 812	-1,35 %
Bulgaria	7 515	14 210	89,09 %	3 161	4 394	39,01 %	10 676	18 604	74,26 %
Česká Republika	108 809	98 191	-9,76 %	65 387	62 065	-5,08 %	174 467	160 420	-8,05 %
Danmark	200 961	191 349	-4,78 %	40 063	41 269	3,01 %	241 027	232 621	-3,49 %
Deutschland	1 656 812	1 418 367	-14,39 %	233 953	231 326	-1,12 %	1 891 071	1 649 752	-12,76 %
Eesti	26 016	28 324	8,87 %	7 732	6 992	-9,57 %	33 748	35 316	4,65 %
Ellas	28 090	26 097	-7,10 %	4 604	4 349	-5,54 %	32 694	30 446	-6,88 %
España	446 941	376 113	-15,85 %	88 719	90 429	1,93 %	536 159	466 805	-12,94 %
France	2 251 426	2 097 137	-6,85 %	262 764	259 084	-1,40 %	2 514 327	2 356 241	-6,29 %
Ireland	739 934	725 029	-2,01 %	102 922	85 725	-16,71 %	845 013	810 854	-4,04 %
Italia	564 308	535 178	-5,16 %	91 548	94 608	3,34 %	655 932	629 799	-3,98 %
Kypros	6 829	6 743	-1,26 %	1 409	1 218	-13,56 %	8 238	7 961	-3,36 %
Latvija	37 760	44 045	16,64 %	1 634	2 500	53,00 %	39 394	46 545	18,15 %
Lietuva	80 576	93 127	15,58 %	6 830	8 087	18,40 %	87 406	101 214	15,80 %
Luxembourg	11 455	10 101	-11,82 %	3 105	3 456	11,30 %	14 560	13 557	-6,89 %
Magyarország	67 450	69 551	3,11 %	16 416	15 595	-5,00 %	83 866	85 146	1,53 %
Malta	2 501	2 152	-13,95 %	251	244	-2,79 %	2 752	2 396	-12,94 %
Nederland	427 042	399 181	-6,52 %	59 164	66 127	11,77 %	486 235	465 322	-4,30 %
Österreich	204 697	199 492	-2,54 %	18 484	19 760	6,90 %	223 205	219 252	-1,77 %
Polska	551 950	546 302	-1,02 %	56 007	57 414	2,51 %	607 958	603 758	-0,69 %
Portugal	67 404	56 807	-15,72 %	32 582	31 815	-2,35 %	100 499	88 826	-11,62 %
România	70 494	128 773	82,67 %	2 950	3 915	32,71 %	73 444	132 688	80,67 %
Slovenija	23 234	21 954	-5,51 %	9 416	9 411	-0,05 %	32 654	31 367	-3,94 %
Slovensko	51 354	46 850	-8,77 %	14 958	14 959	0,01 %	66 312	61 887	-6,67 %
Suomi/Finland	106 977	100 133	-6,40 %	17 601	19 203	9,10 %	124 578	119 336	-4,21 %
Sverige	111 319	172 664	55,11 %	20 903	16 797	-19,64 %	132 226	189 461	43,29 %
United Kingdom	464 809	523 135	12,55 %	262 698	247 759	-5,69 %	728 393	771 389	5,90 %
Total EU 27	8 636 279	8 243 840	-4,54 %	1 470 363	1 445 478	-1,69 %	10 111 560	9 690 775	-4,16 %
Norway	10 451	9 995	-4,36 %	10 524	9 504	-9,69 %	20 975	19 499	-7,04 %

4.2. BSE positive cases

Comments on BSE positive cases

When analysing the evolution of BSE positive cases, it should be kept in mind that active monitoring was limited before 2001. The expanded active monitoring became fully applicable in July 2001. The number of tests was about 25 % higher in the period 2002-2007 than in 2001. However, the prevalence of BSE is reducing since 2002 due to the decline in positive cases despite the number of tests carried out increased or remained stable.

Overall the number of cases and the prevalence in tested animals (ratio of positives per 10 000 tests) of BSE dropped respectively by 48 % and 41 % in the EU 15 in 2007 compared to 2006. The EU 12 Member States with reported BSE cases also registered a reduction on, both, the number of cases and the prevalence in tested animals.

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

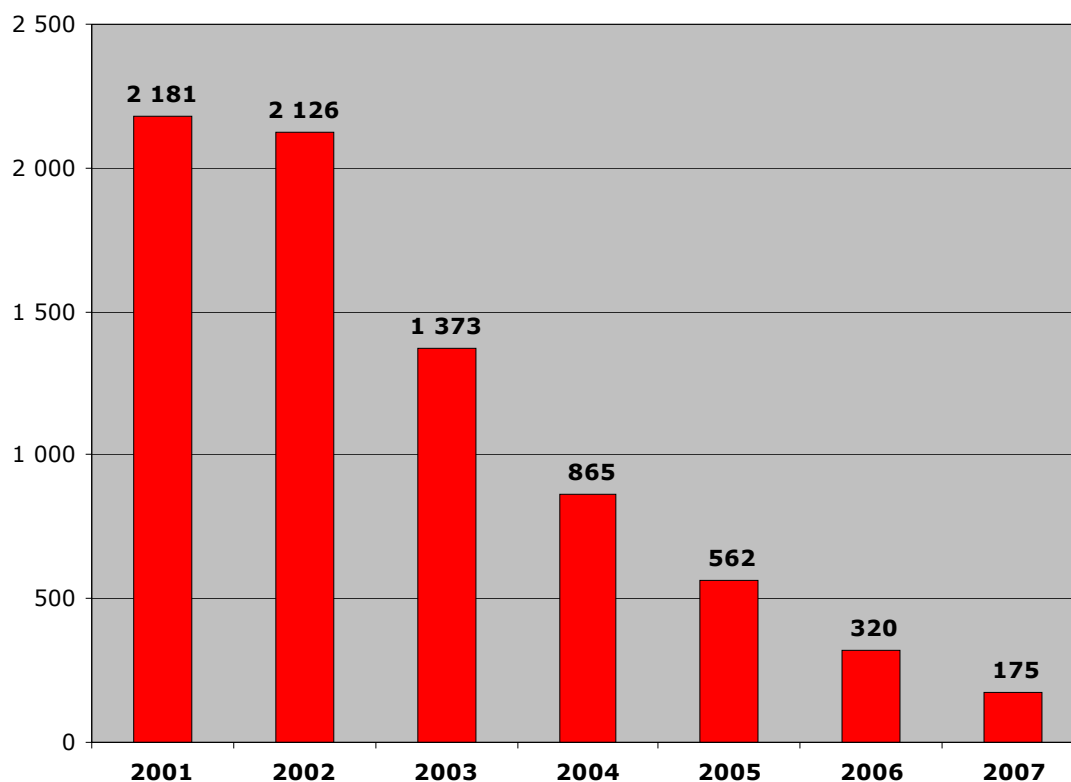


Chart B3: Evolution of the prevalence (ratio of BSE cases per 10 000 animals tested) of BSE positive cases in animals tested in the EU since 2001

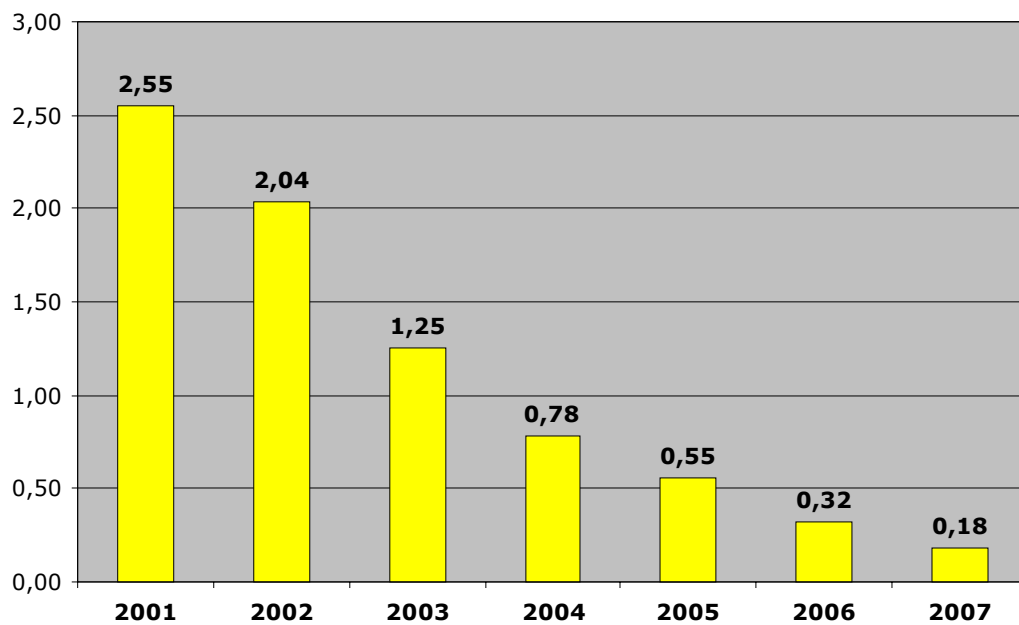


Table B4: Evolution of positive cases world-wide since BSE was recognised

EU	> 1988	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Total
Belgique/België	0	0	0	0	0	0	0	0	0	0	1	6	3	9	46	38	15	11	2	2	0	133
Česká Republika	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	7	8	3	2	28
Danmark	0	0	0	0	0	1	0	0	0	0	0	0	0	1	6	3	2	1	1	0	0	15
Deutschland	0	0	0	0	0	1	0	3	0	0	2	0	0	7	125	106	54	65	32	16	4	415
Ellas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	741
France	0	0	0	0	5	0	1	4	3	12	6	18	31	162	277	240	138	54	31	8	8	998
Ireland	0	0	15	14	17	18	16	19	16	74	80	83	95	149	257	330	182	121	70	38	25	1 619
Italia	0	0	0	0	0	0	0	2	0	0	0	0	0	0	50	36	31	8	8	7	2	144
Luxembourg	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	3
Magyarország	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	2	2	2	2	20	24	19	6	3	2	2	84
Österreich	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	2	1	6
Polska	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	20	10	9	55
Portugal	0	0	0	1	1	1	3	12	15	31	30	127	159	150	113	86	133	91	51	33	14	1 051
Slovenija	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	8
Slovensko	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	3	0	2	14
Suomi/Finland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1
Total EU (-UK)	0	0	15	15	23	21	20	40	34	117	122	236	290	482	983	1 001	759	522	336	191	110	5 317
United Kingdom	442	2 514	7 228	14 407	25 359	37 301	35 090	24 436	14 562	8 149	4 393	3 235	2 301	1 441	1 198	1 125	614	343	226	129	65	184 558
Total EU-27	442	2 514	7 243	14 422	25 382	37 322	35 110	24 476	14 596	8 266	4 515	3 471	2 591	1 923	2 181	2 126	1 373	865	562	320	175	189 875
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	Total
Canada	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	5	3	12
Israel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	34
Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	2	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	464
United States	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	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	516

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

Notes: All imported cases: Denmark : 1992; Germany: 1992,1994 and 1997; Italy: 1994; Portugal: from 1990 to 1993; Canada: 1993, U.S.: 2003 . Including imported cases: Ireland : 5 in 1989, 1 in 1990, 2 in 1991 and 1992, 1 in 1994 and 1995; France : 1 in 1999; Portugal : 1 in 2000, 2002 and 2003; Italy: 1 in 2002, Slovenia: 1 in 2004. In 2007 one case was detected in Hungary in an animal from Slovakia slaughtered for human consumption.

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

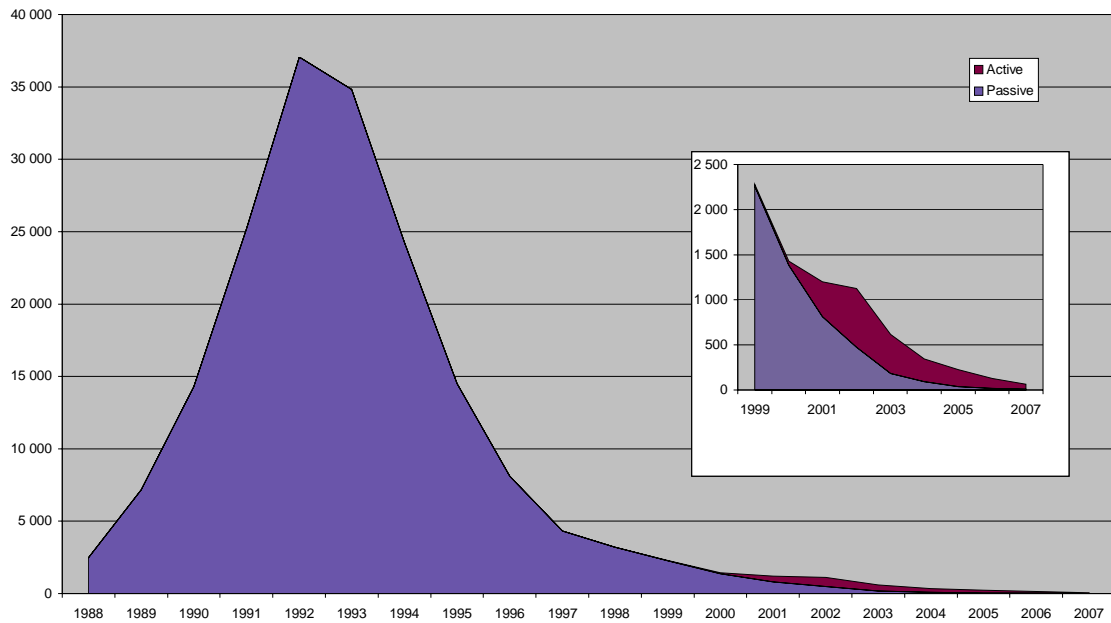


Chart B5: Evolution of BSE cases detected by passive surveillance and active monitoring in the rest of the EU

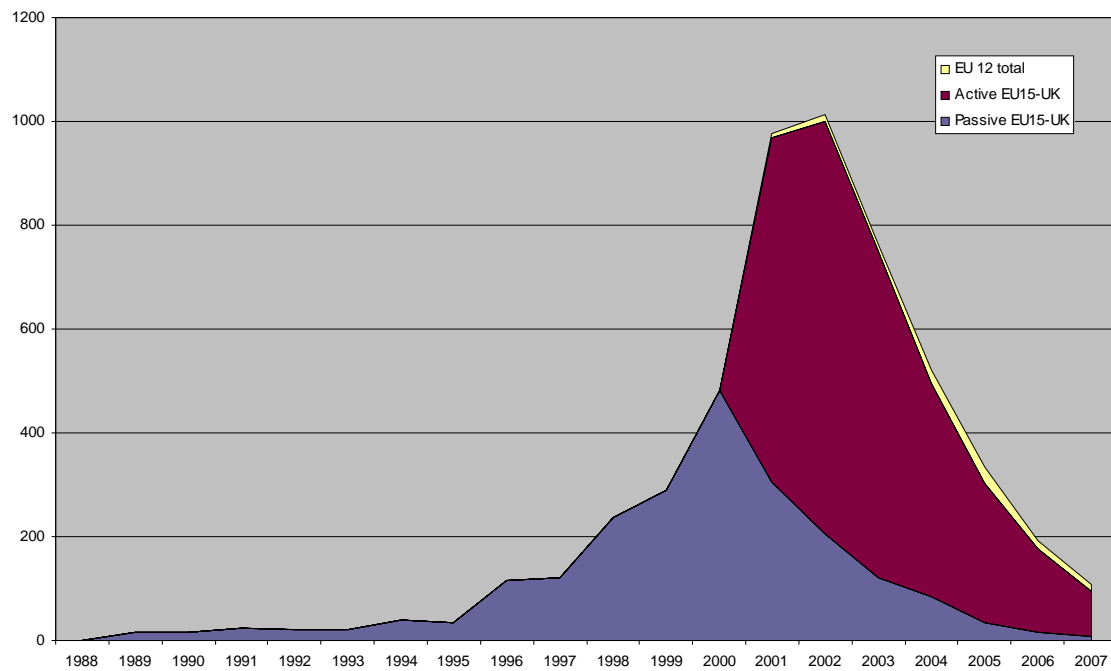


Table B5: Total positive cases per number of cattle tested or present in the adult population (> 24 months of age)

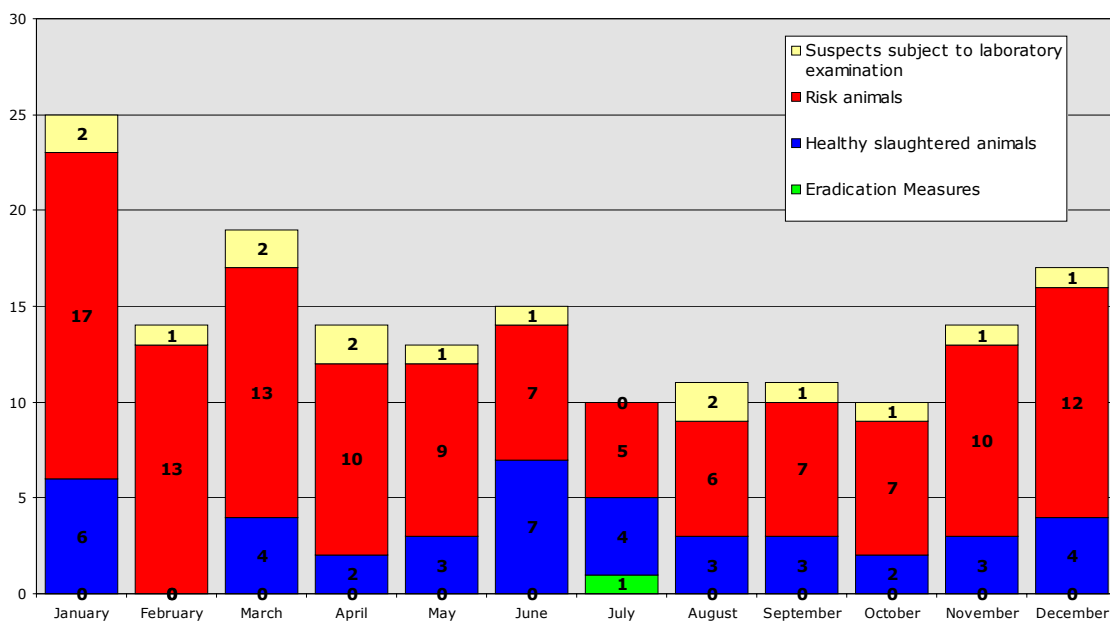
	Adult cattle(*)	N° Tests	Positives	Ratio(**)	Prevalence(***)	
					Passive surveillance	Total monitoring
Belgique/België	1 354 000	359 852	0	0,00	0,00	0,00
Bulgaria	380 600	18 604	0	0,00	0,00	0,00
Česká Republika	643 600	160 420	2	0,12	0,00	3,11
Danmark	743 000	232 627	0	0,00	0,00	0,00
Deutschland	5 758 000	1 651 234	4	0,02	0,00	0,69
Eesti	126 200	35 316	0	0,00	0,00	0,00
Ellas	355 000	30 446	0	0,00	0,00	0,00
España	3 240 400	466 826	40	0,86	1,54	12,34
France	10 442 800	2 356 252	8	0,03	0,00	0,77
Ireland	3 069 600	810 949	25	0,31	1,63	8,14
Italia	2 918 000	629 808	2	0,03	0,00	0,69
Kypros	25 300	7 961	0	0,00	0,00	0,00
Latvija	211 400	46 545	0	0,00	0,00	0,00
Lietuva	455 500	101 214	0	0,00	0,00	0,00
Luxembourg	96 200	13 560	0	0,00	0,00	0,00
Magyarország	365 000	85 167	0	0,00	0,00	0,00
Malta	9 200	2 396	0	0,00	0,00	0,00
Nederland	1 695 000	465 336	2	0,04	0,00	1,18
Österreich	929 000	219 257	1	0,05	0,00	1,08
Polska	3 008 300	603 810	9	0,15	0,00	2,99
Portugal	821 200	88 836	14	1,58	0,00	17,05
România	1 795 300	132 688	0	0,00	0,00	0,00
Slovenija	205 100	31 384	1	0,32	0,00	4,88
Slovensko	252 500	61 887	2	0,32	0,00	7,92
Suomi/Finland	370 600	119 338	0	0,00	0,00	0,00
Sverige	668 300	189 471	0	0,00	0,00	0,00
United Kingdom	4 777 000	771 458	65	0,84	1,47	13,61
Total EU 27	44 716 100	9 692 642	175	0,18	0,34	3,91
Norway	404 000	19 499	0	0,00	0,00	0,00

(*)Eurostat December 2007

(**) 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 2007



Map 1: European countries where BSE positive cases were detected in 2007

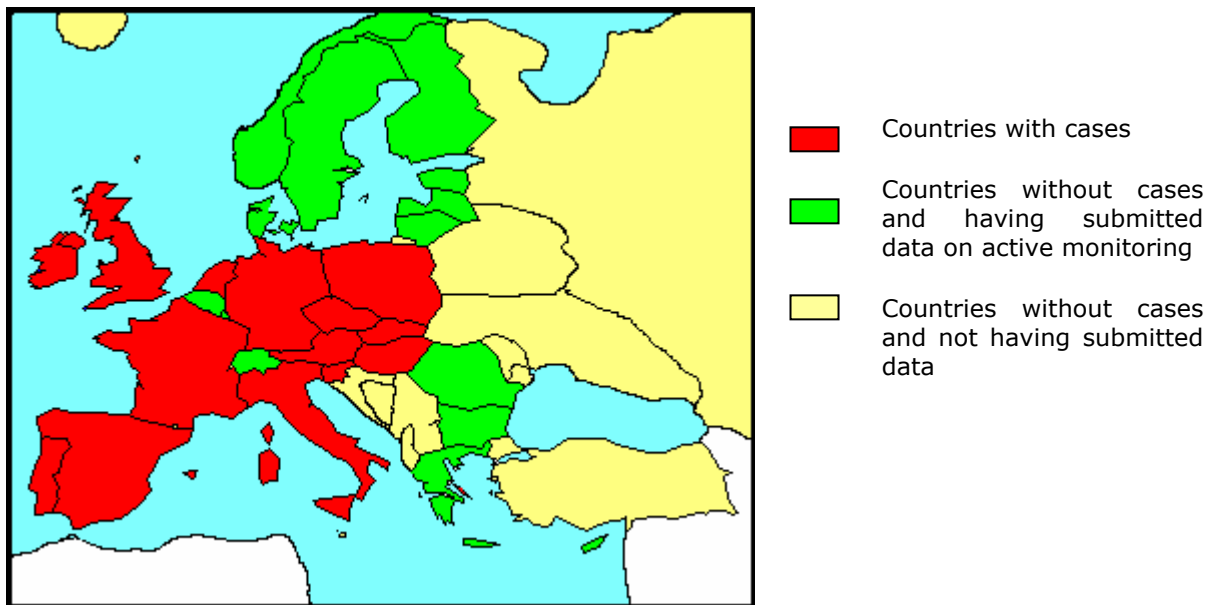


Table B6: Positives in active monitoring and passive surveillance

	Percentage of cases detected by active monitoring	active monitoring			passive surveillance		
		Tests			Tests		
		No.	Positive	Ratio*	No.	Positive	Ratio*
Belgique/België		359 812	0	0,00	40	0	0,00
Bulgaria		18 604	0	0,00	0	0	0,00
Česká Republika	100 %	160 420	2	0,12	0	0	0,00
Danmark		232 621	0	0,00	6	0	0,00
Deutschland	100 %	1 649 752	4	0,02	1 482	0	0,00
Eesti		35 316	0	0,00	0	0	0,00
Ellas		30 446	0	0,00	0	0	0,00
España	88 %	466 805	35	0,75	21	5	2380,95
France	100 %	2 356 241	8	0,03	11	0	0,00
Ireland	80 %	810 854	20	0,25	102	5	490,20
Italia	100 %	629 799	2	0,03	9	0	0,00
Kypros		7 961	0	0,00	0	0	0,00
Latvija		46 545	0	0,00	0	0	0,00
Lietuva		101 214	0	0,00	0	0	0,00
Luxembourg		13 557	0	0,00	3	0	0,00
Magyarország		85 146	0	0,00	21	0	0,00
Malta		2 396	0	0,00	0	0	0,00
Nederland	100 %	465 322	2	0,04	14	0	0,00
Österreich	100 %	219 252	1	0,05	5	0	0,00
Polska	100 %	603 758	9	0,15	52	0	0,00
Portugal	100 %	88 826	14	1,58	10	0	0,00
România		132 688	0	0,00	0	0	0,00
Slovenija	100 %	31 367	1	0,32	17	0	0,00
Slovensko	100 %	61 887	2	0,32	0	0	0,00
Suomi/Finland		119 336	0	0,00	2	0	0,00
Sverige		189 461	0	0,00	10	0	0,00
United Kingdom	89 %	771 389	58	0,75	69	7	1014,49
Total EU 27	90 %	9 690 775	158	0,16	1 874	17	90,72
Norway		19 499	0	0,00	0	0	0,00

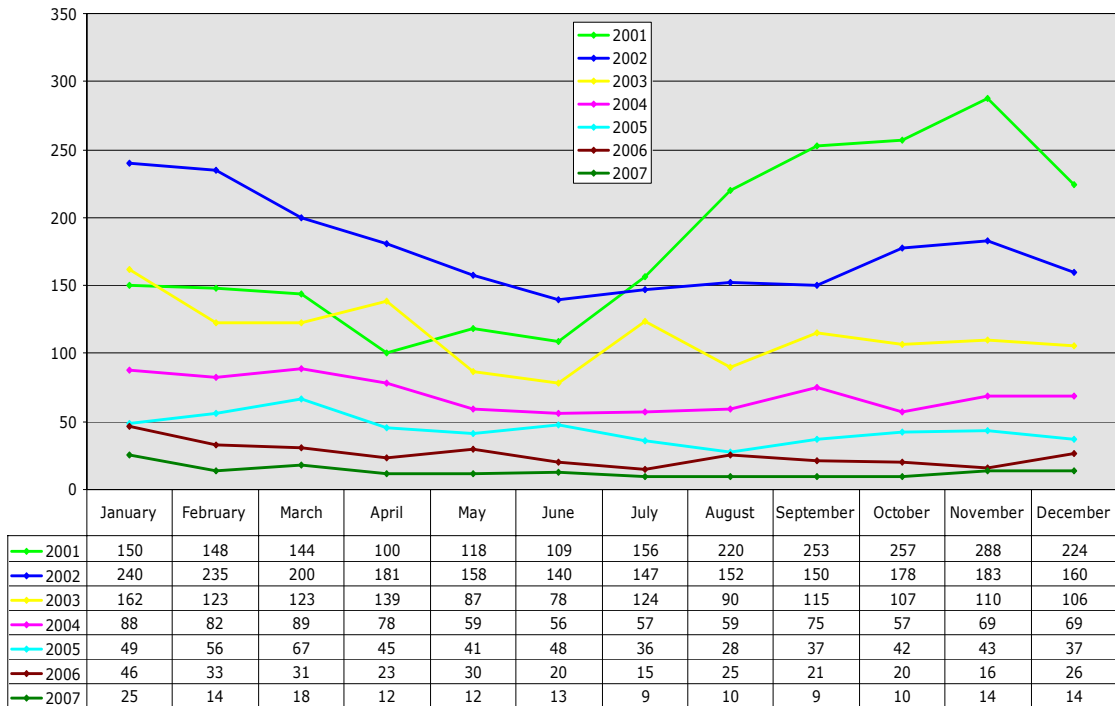
*BSE positives per 10 000 bovine animals tested

Table B7: Comparison of the number of positive cases and the prevalence in tested animals in 2007 and 2006

	Positives			Ratio*		
	2006	2007	Diff	2006	2007	Diff
Belgique/België	2	0	-100 %	0,055	0,000	-100 %
Danmark	0	0	0 %	0,000	0,000	0 %
Deutschland	16	4	-75 %	0,085	0,024	-71 %
Ellas	0	0	0 %	0,000	0,000	0 %
España	68	40	-41 %	1,268	0,857	-32 %
France	8	8	0 %	0,032	0,034	7 %
Ireland	38	25	-34 %	0,450	0,284	-37 %
Italia	7	2	-71 %	0,107	0,032	-70 %
Luxembourg	0	0	0 %	0,000	0,000	0 %
Nederland	2	2	0 %	0,041	0,044	7 %
Österreich	2	1	-50 %	0,090	0,046	-49 %
Portugal	33	14	-58 %	3,283	1,576	-52 %
Suomi/Finland	0	0	0 %	0,000	0,000	0 %
Sverige	1	0	-100 %	0,076	0,000	-100 %
United Kingdom	129	65	-50 %	1,771	0,843	-52 %
Total EU 15	306	161	-47 %	0,58	0,34	-41 %
Bulgaria	0	0	0 %	0,000	0,000	0 %
Česká Republika	3	2	-33 %	0,172	0,125	-27 %
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	0,117	12 %
Malta	0	0	0 %	0,000	0,000	0 %
Polska	10	9	-10 %	0,164	0,149	-9 %
România	0	0	0 %	0,000	0,000	0 %
Slovenija	1	1	0 %	0,306	0,319	4 %
Slovensko	0	2	0 %	0,000	0,162	16 %
Total EU 12	14	14	0 %	0,30	0,11	-62 %
Total EU 27	320	175	-45 %	0,30	0,18	-41 %

* positive cases per 10 000 bovine animals tested

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



4.3. Testing by target group

Table B8: Testing on emergency slaughtered bovine animals

	Emergency slaughter				
	N° tests	Positives	Ratio*		
			2007	2006	diff
Belgique/België	735	0	0,00	0,00	0 %
Danmark	1 577	0	0,00	0,00	0 %
Deutschland	11 005	0	0,00	0,00	0 %
Ellas	80	0	0,00	0,00	0 %
España	681	0	0,00	0,00	0 %
France	5 433	0	0,00	0,00	0 %
Ireland	0	0	0,00	n/a	
Italia	11 045	0	0,00	0,00	0 %
Luxembourg	6	0	0,00	0,00	0 %
Nederland	5 220	1	1,92	0,00	192 %
Österreich	1 808	0	0,00	0,00	0 %
Portugal	1 506	0	0,00	9,12	-100 %
Suomi/Finland	574	0	0,00	0,00	0 %
Sverige	297	0	0,00	0,00	0 %
United Kingdom	5 396	4	7,41	18,83	-61 %
Total EU 15	45 363	5	1,10	6,82	-84 %
Bulgaria	3 073	0	0,00	0,00	0 %
Česká Republika	32 076	1	0,31	0,00	31 %
Eesti	276	0	0,00	0,00	0 %
Kypros	149	0	0,00	0,00	0 %
Latvija	382	0	0,00	0,00	0 %
Lietuva	929	0	0,00	0,00	0 %
Magyarország	1 982	0	0,00	0,00	0 %
Malta	174	0	0,00	0,00	0 %
Polska	9 530	1	1,05	0,00	105 %
România	941	0	0,00	0,00	0 %
Slovenija	219	0	0,00	0,00	0 %
Slovensko	831	0	0,00	0,00	0 %
Total EU 12	50 562	2	0,40	0,00	0 %
Norway	7 294	0	0,00	0,00	0 %
Total EU 27	95 925	7	0,73	3,17	-77 %

* positive cases per 10 000 bovine animals tested

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

	Clinical signs at ante-mortem inspection				
	N° tests	Positives	Ratio*		
			2007	2006	diff
Belgique/België	148	0	0,00	0,00	0 %
Danmark	4	0	0,00	0,00	0 %
Deutschland	26	0	0,00	312,50	-100 %
Ellas	4	0	0,00	0,00	0 %
España	1 196	0	0,00	24,32	-100 %
France	0	0	0,00	0,00	0 %
Ireland	1 926	1	5,19	0,00	0 %
Italia	25 879	0	0,00	0,56	-100 %
Luxembourg	0	0	0,00	0,00	0 %
Nederland	0	0	0,00	0,00	0 %
Österreich	406	0	0,00	0,00	0 %
Portugal	4 059	1	2,46	4,66	-47 %
Suomi/Finland	160	0	0,00	0,00	0 %
Sverige	0	0	0,00	0,00	0 %
United Kingdom	3 361	1	2,98	2,21	34 %
Total EU 15	37 169	3	0,81	1,58	-49 %
Bulgaria	0	0	0,00	0,00	0 %
Česká Republika	85	0	0,00	0,00	0 %
Eesti	312	0	0,00	0,00	0 %
Kypros	0	0	0,00	0,00	0 %
Latvija	70	0	0,00	0,00	0 %
Lietuva	134	0	0,00	0,00	0 %
Magyarország	15	0	0,00	0,00	0 %
Malta	0	0	0,00	0,00	0 %
Polska	171	0	0,00	0,00	0 %
România	900	0	0,00	0,00	0 %
Slovenija	920	1	10,87	0,00	100 %
Slovensko	3	0	0,00	0,00	0 %
Total EU 12	2 610	1	3,83	0,00	0 %
Norway	48	0	0,00	0,00	0 %
Total EU 27	39 779	4	1,01	1,50	-33 %

* positive cases per 10 000 bovine animals tested

Table B10: Testing on fallen stock

	Fallen stock				
	N°	Positives	Ratio*		
	tests		2007	2006	diff
Belgique/België	46 094	0	0,00	0,23	-100 %
Danmark	39 688	0	0,00	0,00	0 %
Deutschland	220 295	3	0,14	0,32	-57 %
Ellas	4 265	0	0,00	0,00	0 %
España	88 552	16	1,81	3,47	-48 %
France	253 651	6	0,24	0,19	22 %
Ireland	83 799	16	1,91	2,69	-29 %
Italia	57 684	1	0,17	0,00	0 %
Luxembourg	3 450	0	0,00	0,00	0 %
Nederland	60 907	1	0,16	0,00	0 %
Österreich	17 546	1	0,57	0,64	-11 %
Portugal	26 250	9	3,43	6,48	-47 %
Suomi/Finland	18 469	0	0,00	0,00	0 %
Sverige	16 500	0	0,00	0,49	-100 %
United Kingdom	239 002	49	2,05	2,99	-31 %
Total EU 15	1 176 152	102	0,87	1,38	-37 %
Bulgaria	1 321	0	0,00	0,00	0 %
Česká Republika	29 904	1	0,33	0,31	8 %
Eesti	6 404	0	0,00	0,00	0 %
Kypros	1 069	0	0,00	0,00	0 %
Latvija	2 048	0	0,00	0,00	0 %
Lietuva	7 024	0	0,00	0,00	0 %
Magyarország	13 598	0	0,00	0,00	0 %
Malta	70	0	0,00	0,00	0 %
Polska	47 713	2	0,42	0,66	-36 %
România	2 074	0	0,00	0,00	0 %
Slovenija	8 272	0	0,00	0,00	0 %
Slovensko	14 125	0	0,00	0,00	0 %
Total EU 12	133 622	3	0,22	0,31	-27 %
Norway	2 162	0	0,00	0,00	0 %
Total EU 27	1 309 774	105	0,80	1,24	-35 %

* positive cases per 10 000 bovine animals tested

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

	Total risk animals				
	N° tests	Positives	Ratio*		
			2007	2006	diff
Belgique/België	46 977	0	0,00	0,22	-100 %
Danmark	41 269	0	0,00	0,00	0 %
Deutschland	231 326	3	0,13	0,34	-62 %
Ellas	4 349	0	0,00	0,00	0 %
España	90 429	16	1,77	3,83	-54 %
France	259 084	6	0,23	0,19	22 %
Ireland	85 725	17	1,98	2,62	-24 %
Italia	94 608	1	0,11	0,22	-52 %
Luxembourg	3 456	0	0,00	0,00	0 %
Nederland	66 127	2	0,30	0,00	0 %
Österreich	19 760	1	0,51	0,54	-6 %
Portugal	31 815	10	3,14	6,45	-51 %
Suomi/Finland	19 203	0	0,00	0,00	0 %
Sverige	16 797	0	0,00	0,48	-100 %
United Kingdom	247 759	54	2,18	3,92	-44 %
Total EU 15	1 258 684	110	0,87	1,58	-45 %
Bulgaria	4 394	0	0,00	0,00	0 %
Česká Republika	62 065	2	0,32	0,15	111 %
Eesti	6 992	0	0,00	0,00	0 %
Kypros	1 218	0	0,00	0,00	0 %
Latvija	2 500	0	0,00	0,00	0 %
Lietuva	8 087	0	0,00	0,00	0 %
Magyarország	15 595	0	0,00	0,00	0 %
Malta	244	0	0,00	0,00	0 %
Polska	57 414	3	0,52	0,54	-2 %
România	3 915	0	0,00	0,00	0 %
Slovenija	9 411	1	1,06	0,00	0 %
Slovensko	14 959	0	0,00	0,00	0 %
Total EU 12	186 794	6	0,32	0,21	49 %
Norway	9 504	0	0,00	0,00	0 %
Total EU 27	1 445 478	116	0,80	1,38	-42 %

* positive cases per 10 000 bovine animals tested

Table B12: Testing on healthy slaughtered bovine animals

	Healthy slaughter				
	N° tests	Positives	Ratio*		
			2007	2006	diff
Belgique/België	312 835	0	0,00	0,03	-100 %
Danmark	191 349	0	0,00	0,00	0 %
Deutschland	1 418 367	1	0,01	0,05	-85 %
Ellas	26 097	0	0,00	0,00	0 %
España	376 113	18	0,48	0,56	-14 %
France	2 097 137	2	0,01	0,01	-28 %
Ireland	725 029	3	0,04	0,09	-56 %
Italia	535 178	1	0,02	0,09	-79 %
Luxembourg	10 101	0	0,00	0,00	0 %
Nederland	399 181	0	0,00	0,02	-100 %
Österreich	199 492	0	0,00	0,05	-100 %
Portugal	56 807	4	0,70	1,63	-57 %
Suomi/Finland	100 133	0	0,00	0,00	0 %
Sverige	172 664	0	0,00	0,00	0 %
United Kingdom	523 135	4	0,08	0,15	-49 %
Total EU 15	7 143 618	33	0,05	0,09	-49 %
Bulgaria	14 210	0	0,00	0,00	0 %
Česká Republika	98 191	0	0,00	0,18	-100 %
Eesti	28 324	0	0,00	0,00	0 %
Kypros	6 743	0	0,00	0,00	0 %
Latvija	44 045	0	0,00	0,00	0 %
Lietuva	93 127	0	0,00	0,00	0 %
Magyarország	69 551	0	0,00	0,00	0 %
Malta	2 152	0	0,00	0,00	0 %
Polska	546 302	6	0,11	0,13	-13 %
România	128 773	0	0,00	0,00	0 %
Slovenija	21 954	0	0,00	0,43	-100 %
Slovensko	46 850	2	0,43	0,00	0 %
Total EU 12	1 100 222	8	0,07	0,10	-25 %
Norway	9 995	0	0,00	0,00	0 %
Total EU 27	8 243 840	41	0,05	0,08	-38 %

* positive cases per 10 000 bovine animals tested

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

	Eradication measures				
	N° tests	Positives	Ratio*		
			2007	2006	diff
Belgique/België	0	0	0,00	0,00	0 %
Danmark	3	0	0,00	0,00	0 %
Deutschland	59	0	0,00	0,00	0 %
Ellas	0	0	0,00	0,00	0 %
España	263	1	38,02	0,00	100 %
France	20	0	0,00	0,00	0 %
Ireland	100	0	0,00	0,00	0 %
Italia	13	0	0,00	0,00	0 %
Luxembourg	0	0	0,00	0,00	0 %
Nederland	14	0	0,00	0,00	0 %
Österreich	0	0	0,00	0,00	0 %
Portugal	204	0	0,00	0,00	0 %
Suomi/Finland	0	0	0,00	0,00	0 %
Sverige	0	0	0,00	0,00	0 %
United Kingdom	495	0	0,00	11,29	-100 %
Total EU 15	1 171	1	8,54	2,15	296 %
Bulgaria	0	0	0,00	0,00	0 %
Česká Republika	164	0	0,00	0,00	0 %
Eesti	0	0	0,00	0,00	0 %
Kypros	0	0	0,00	0,00	0 %
Latvija	0	0	0,00	0,00	0 %
Lietuva	0	0	0,00	0,00	0 %
Magyarország	0	0	0,00	0,00	0 %
Malta	0	0	0,00	0,00	0 %
Polska	42	0	0,00	0,00	0 %
România	0	0	0,00	0,00	0 %
Slovenija	2	0	0,00	0,00	0 %
Slovensko	78	0	0,00	0,00	0 %
Total EU 12	286	0	0,00	0,00	0 %
Norway	0	0	0,00	0,00	0 %
Total EU 27	1 457	1	6,86	2,03	238 %

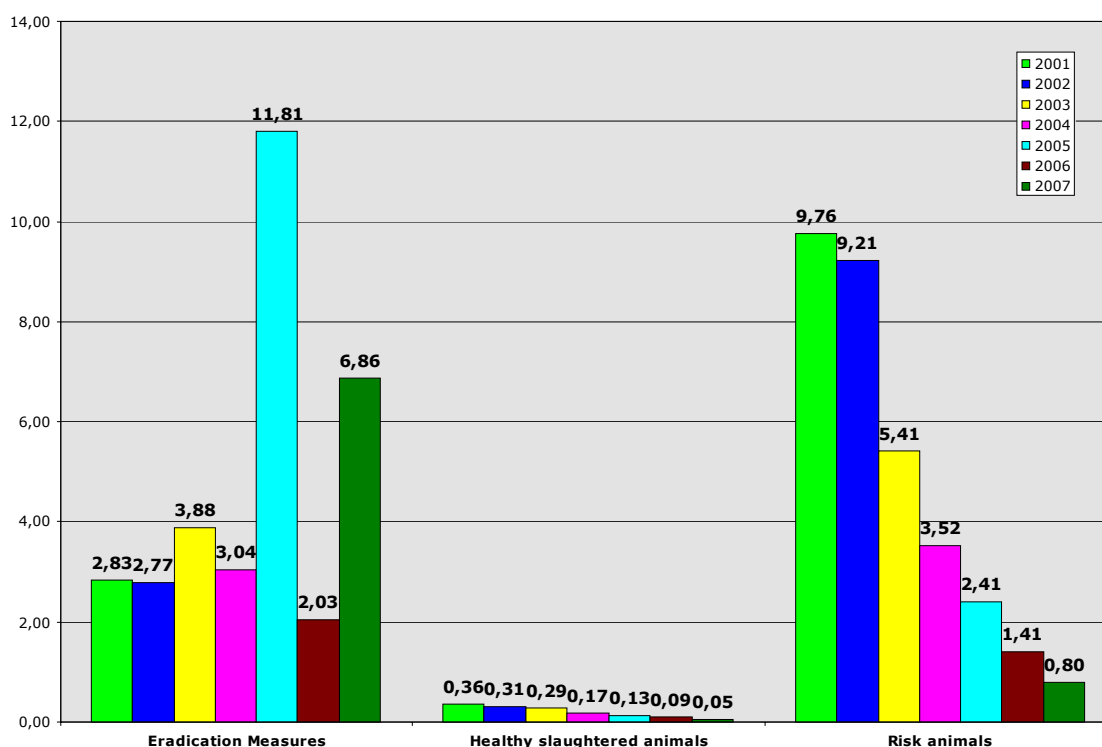
* positive cases per 10 000 bovine animals tested

Table B14: Total of testing by active monitoring

	Total active monitoring				
	N° tests	Positives	Ratio*		
			2007	2006	diff
Belgique/België	359 812	0	0,00	0,05	-100 %
Danmark	232 621	0	0,00	0,00	0 %
Deutschland	1 649 752	4	0,02	0,08	-71 %
Ellas	30 446	0	0,00	0,00	0 %
España	466 805	35	0,75	1,10	-32 %
France	2 356 241	8	0,03	0,03	7 %
Ireland	810 854	20	0,25	0,40	-39 %
Italia	629 799	2	0,03	0,11	-70 %
Luxembourg	13 557	0	0,00	0,00	0 %
Nederland	465 322	2	0,04	0,02	109 %
Österreich	219 252	1	0,05	0,09	-49 %
Portugal	88 826	14	1,58	3,18	-51 %
Suomi/Finland	119 336	0	0,00	0,00	0 %
Sverige	189 461	0	0,00	0,08	-100 %
United Kingdom	771 389	58	0,75	1,52	-51 %
Total EU 15	8 403 473	144	0,171	0,307	-44 %
Bulgaria	18 604	0	0,00	0,00	0 %
Česká Republika	160 420	2	0,12	0,17	-27 %
Eesti	35 316	0	0,00	0,00	0 %
Kypros	7 961	0	0,00	0,00	0 %
Latvija	46 545	0	0,00	0,00	0 %
Lietuva	101 214	0	0,00	0,00	0 %
Magyarország	85 146	0	0,00	0,00	0 %
Malta	2 396	0	0,00	0,00	0 %
Polska	603 758	9	0,15	0,16	-9 %
România	132 688	0	0,00	0,00	0 %
Slovenija	31 367	1	0,32	0,31	4 %
Slovensko	61 887	2	0,32	0,00	0 %
Total EU 12	1 287 302	14	0,109	0,115	-5 %
Norway	19 499	0	0,00	0,00	0 %
Total EU 27	9 690 775	158	0,16	0,27	-40 %

* positive cases per 10 000 bovine animals tested

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



Comments on testing by target group

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

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

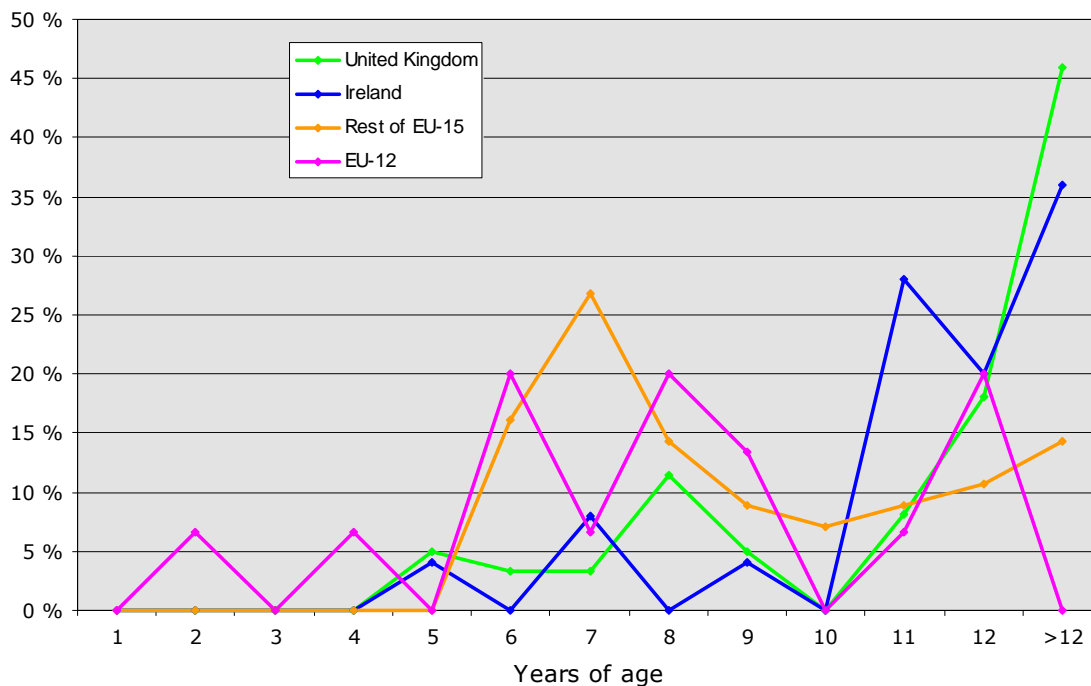
The figures illustrate that the likelihood of finding BSE cases is higher in fallen stock, emergency slaughtered cattle and cattle with general clinical signs at ante-mortem ('risk animals') than in healthy slaughtered cattle.

4.4. Age distribution of BSE positive cases

Table B15: Age distribution of all BSE positive cases with a known age in 2007

	Age (years old)	1	2	3	4	5	6	7	8	9	10	11	12	>12
	Age group (months)	<24	24-35	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	1	3	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	25 %	75 %	0 %	0 %	0 %	0 %	0 %	0 %
España	No of cases	0	0	0	0	0	8	9	6	2	1	1	3	3
	%	0 %	0 %	0 %	0 %	0 %	24 %	27 %	18 %	6 %	3 %	3 %	9 %	9 %
France	No of cases	0	0	0	0	0	0	0	1	1	1	3	1	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	14 %	14 %	14 %	43 %	14 %	0 %
Ireland	No of cases	0	0	0	0	1	0	2	0	1	0	7	5	9
	%	0 %	0 %	0 %	0 %	4 %	0 %	8 %	0 %	4 %	0 %	28 %	20 %	36 %
Italia	No of cases	0	0	0	0	0	0	0	0	1	0	0	0	1
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	50 %	0 %	0 %	0 %	50 %
Nederland	No of cases	0	0	0	0	0	0	2	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %
Österreich	No of cases	0	0	0	0	0	0	0	0	0	1	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %
Portugal	No of cases	0	0	0	0	0	0	1	2	1	1	1	3	5
	%	0 %	0 %	0 %	0 %	0 %	0 %	7 %	14 %	7 %	7 %	7 %	21 %	36 %
United Kingdom	No of cases	0	0	0	0	3	2	2	7	3	0	5	11	28
	%	0 %	0 %	0 %	0 %	5 %	3 %	3 %	11 %	5 %	0 %	8 %	18 %	46 %
Total EU 15	No of cases	0	0	0	0	4	11	19	16	9	4	17	23	46
	%	0%	0%	0%	0%	3%	7%	13%	11%	6%	3%	11%	15%	31%
Česká Republika	No of cases	0	0	0	0	0	0	0	0	2	0	1	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	67 %	0 %	33 %	0 %	0 %
Polska	No of cases	0	1	0	1	0	0	1	3	0	0	0	3	0
	%	0 %	11 %	0 %	11 %	0 %	0 %	11 %	33 %	0 %	0 %	0 %	33 %	0 %
Slovenija	No of cases	0	0	0	0	0	1	0	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Slovensko	No of cases	0	0	0	0	0	2	0	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Total EU 12	No of cases	0	1	0	1	0	3	1	3	2	0	1	3	0
	%	0%	7%	0%	7%	0%	20%	7%	20%	13%	0%	7%	20%	0%

Chart B9: Age distribution of positive cases in the UK, Ireland, the rest of the EU and the new Member States in 2007



Charts B10, B11 and B12: Comparison of the age distribution of positive cases detected from 2001 to 2007: United Kingdom, Ireland and the rest of the EU

Chart B10: UK

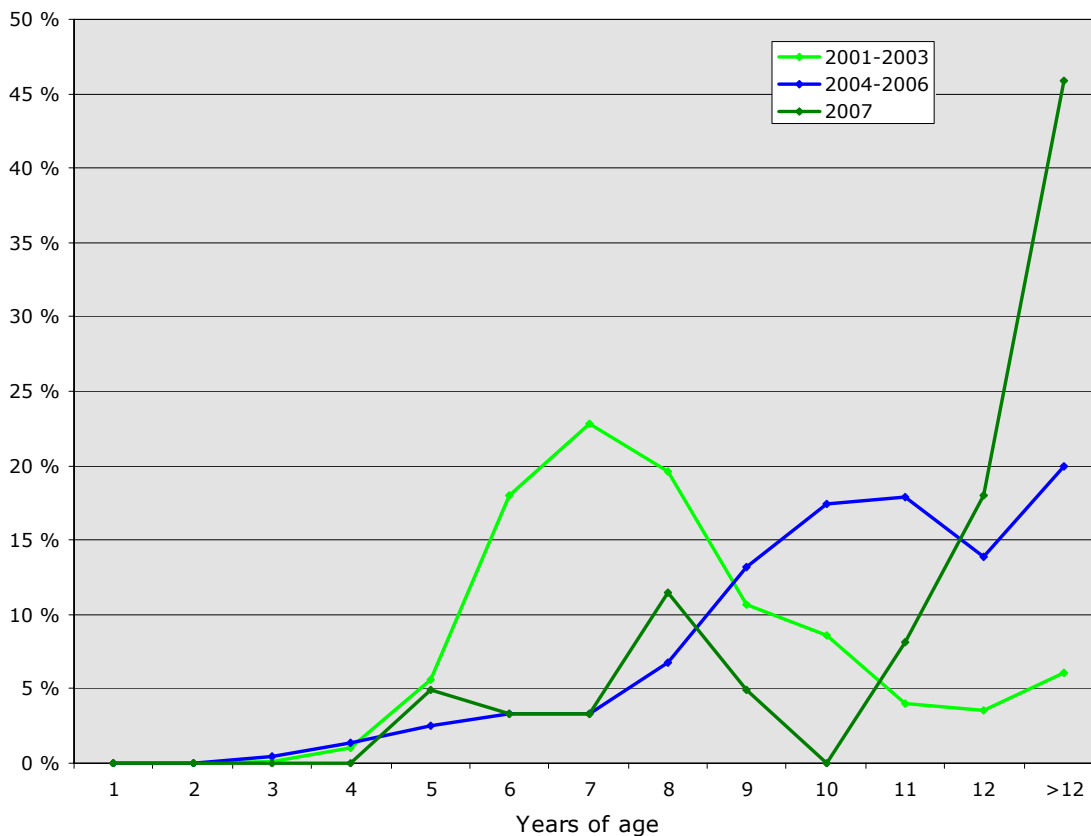


Chart B11: Ireland

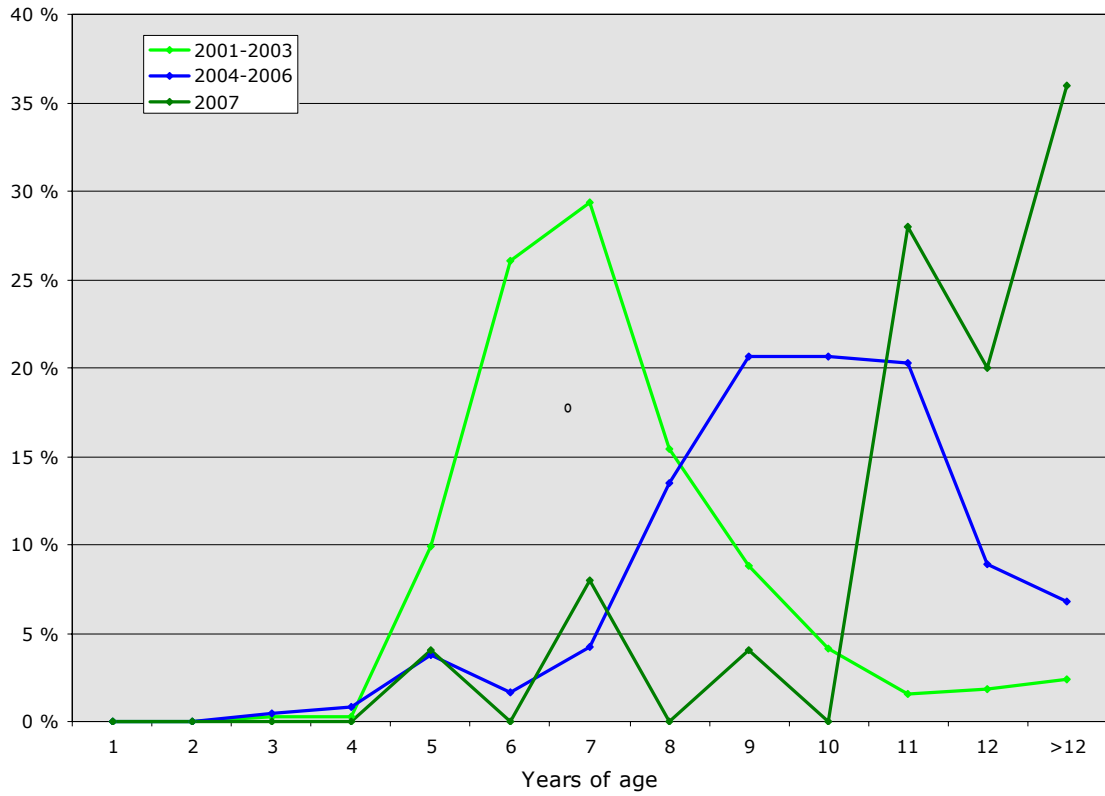


Chart B12: Rest of EU-15

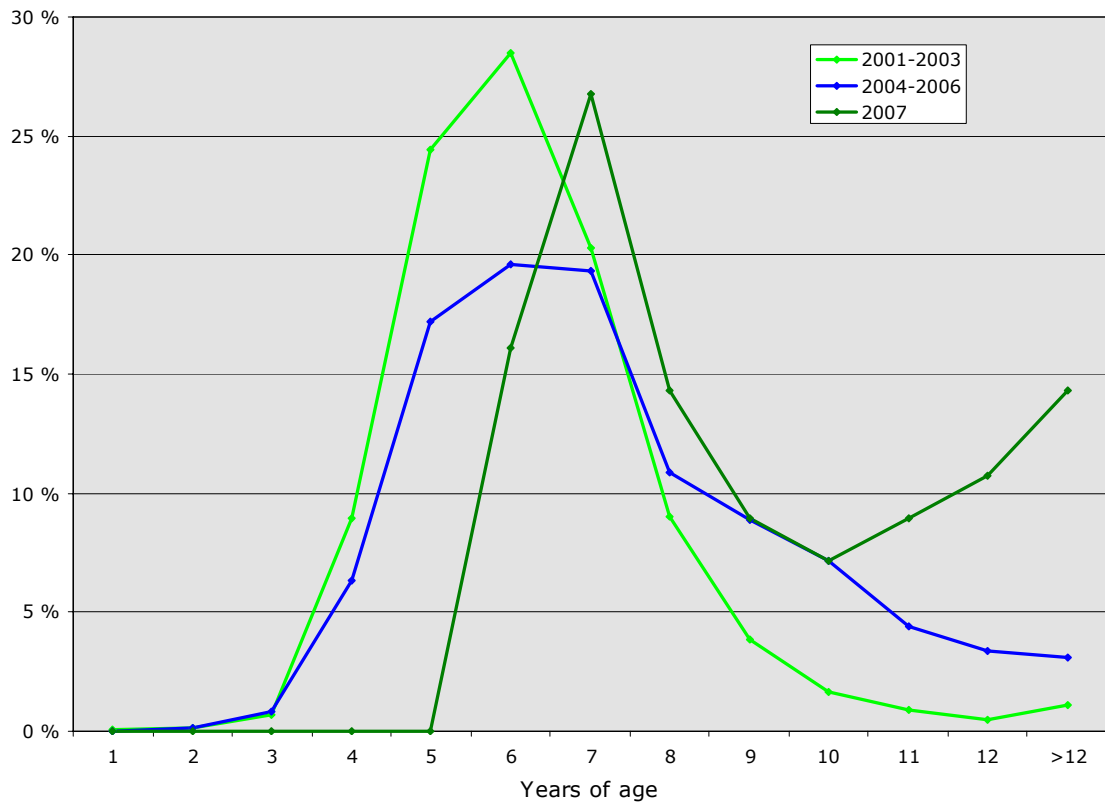


Chart B13: Age distribution in risk animals (fallen stock, emergency slaughter and clinical signs at ante-mortem inspection) in 2007

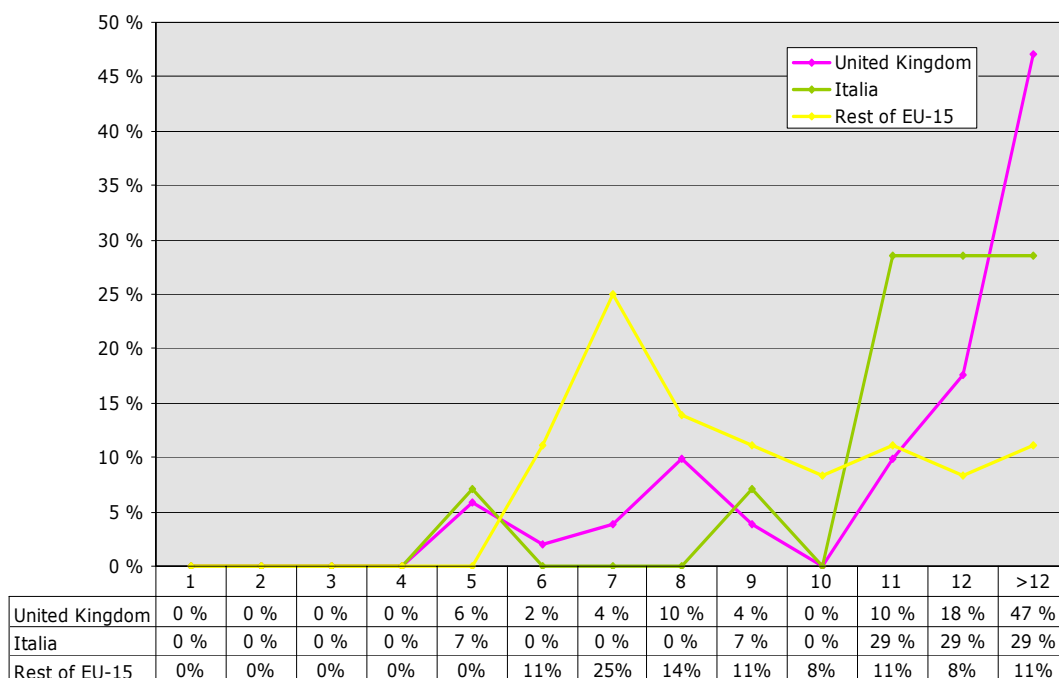


Chart B14: Age distribution in healthy slaughtered bovine animals in 2007

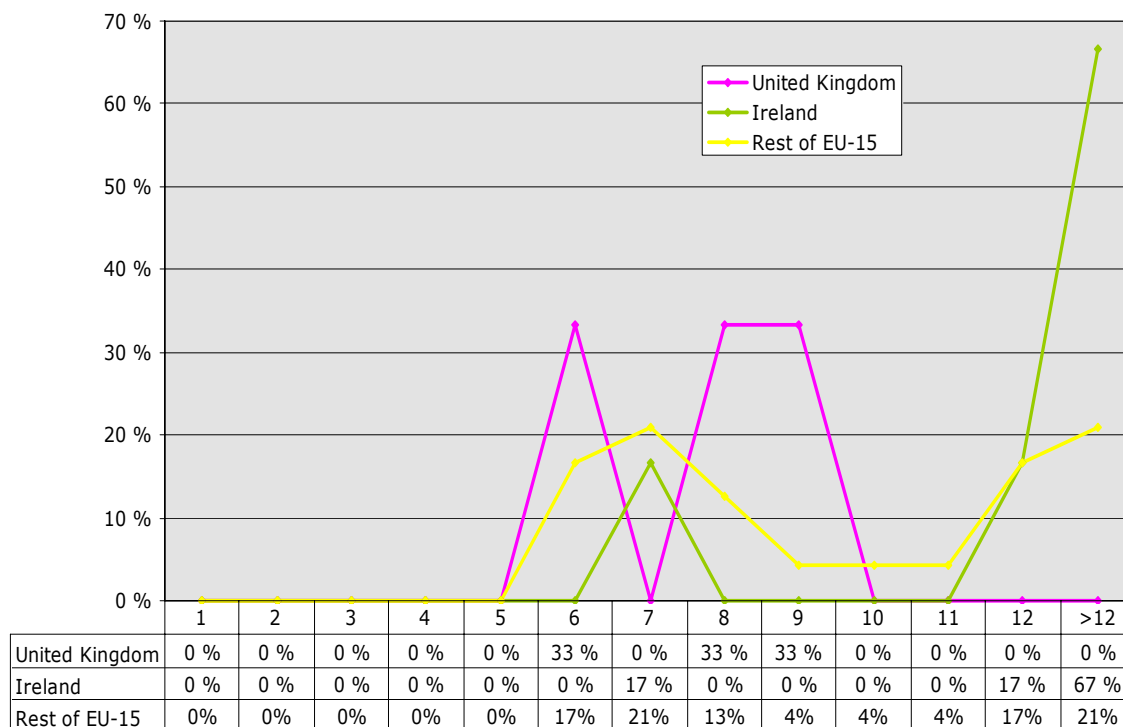


Table B16: Age distribution of positive cases in risk animals (fallen stock, emergency slaughter and clinical signs at AM) in 2007

	Age (years old)	1	2	3	4	5	6	7	8	9	10	11	12	>12
	Age group (months)	<24	24-35	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	1	2	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	33 %	67 %	0 %	0 %	0 %	0 %	0 %	0 %
España	No of cases	0	0	0	0	0	3	4	3	2	0	1	1	0
	%	0 %	0 %	0 %	0 %	0 %	21 %	29 %	21 %	14 %	0 %	7 %	7 %	0 %
France	No of cases	0	0	0	0	0	0	0	1	1	1	2	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	20 %	20 %	20 %	40 %	0 %	0 %
Ireland	No of cases	0	0	0	0	1	0	0	0	1	0	4	4	4
	%	0 %	0 %	0 %	0 %	7 %	0 %	0 %	0 %	7 %	0 %	29 %	29 %	29 %
Italia	No of cases	0	0	0	0	0	0	0	0	0	0	0	0	1
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	100 %
Nederland	No of cases	0	0	0	0	0	0	2	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %
Österreich	No of cases	0	0	0	0	0	0	0	0	0	1	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %
Portugal	No of cases	0	0	0	0	0	0	1	1	1	1	1	2	3
	%	0 %	0 %	0 %	0 %	0 %	0 %	10 %	10 %	10 %	10 %	10 %	20 %	30 %
United Kingdom	No of cases	0	0	0	0	3	1	2	5	2	0	5	9	24
	%	0 %	0 %	0 %	0 %	6 %	2 %	4 %	10 %	4 %	0 %	10 %	18 %	47 %
EU-15	No of cases	0	0	0	0	4	5	11	10	7	3	13	16	32
	%	0 %	0 %	0 %	0 %	4 %	5 %	11 %	10 %	7 %	3 %	13 %	16 %	32 %
Česká Republika	No of cases	0	0	0	0	0	0	0	0	2	0	1	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	67 %	0 %	33 %	0 %	0 %
Polska	No of cases	0	0	0	0	0	0	1	0	0	0	0	1	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	50 %	0 %	0 %	0 %	0 %	50 %	0 %
Slovenija	No of cases	0	0	0	0	0	1	0	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
EU-12	No of cases	0	0	0	0	0	1	1	0	2	0	1	1	0
	%	0 %	0 %	0 %	0 %	0 %	17 %	17 %	0 %	33 %	0 %	17 %	17 %	0 %

Table B17: Age distribution of positive cases in healthy slaughtered bovine animals in 2007

	Age (years old)	1	2	3	4	5	6	7	8	9	10	11	12	>12
	Age group (months)	<24	24-35	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	1	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %
España	No of cases	0	0	0	0	0	4	4	2	0	1	0	2	3
	%	0 %	0 %	0 %	0 %	0 %	25 %	25 %	13 %	0 %	6 %	0 %	13 %	19 %
France	No of cases	0	0	0	0	0	0	0	0	0	0	1	1	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	50 %	50 %	0 %
Ireland	No of cases	0	0	0	0	0	0	1	0	0	0	0	1	4
	%	0 %	0 %	0 %	0 %	0 %	0 %	17 %	0 %	0 %	0 %	0 %	17 %	67 %
Italia	No of cases	0	0	0	0	0	0	0	0	1	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %
Portugal	No of cases	0	0	0	0	0	0	0	1	0	0	0	1	2
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	25 %	0 %	0 %	0 %	25 %	50 %
United Kingdom	No of cases	0	0	0	0	0	1	0	1	1	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	33 %	0 %	33 %	33 %	0 %	0 %	0 %	0 %
EU-15	No of cases	0	0	0	0	0	5	6	4	2	1	1	5	9
	%	0%	0%	0%	0%	0%	15 %	18 %	12 %	6 %	3 %	3 %	15 %	27 %
Polska	No of cases	0	1	0	1	0	0	0	3	0	0	0	2	0
	%	0 %	14 %	0 %	14 %	0 %	0 %	0 %	43 %	0 %	0 %	0 %	29 %	0 %
Slovensko	No of cases	0	0	0	0	0	2	0	0	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
EU-12	No of cases	0	1	0	1	0	2	0	3	0	0	0	2	0
	%	0%	11 %	0%	11 %	0%	22 %	0%	33 %	0%	0%	0%	22 %	0%

Chart B15: Age distribution of BSE positive cases in suspect animals in 2007

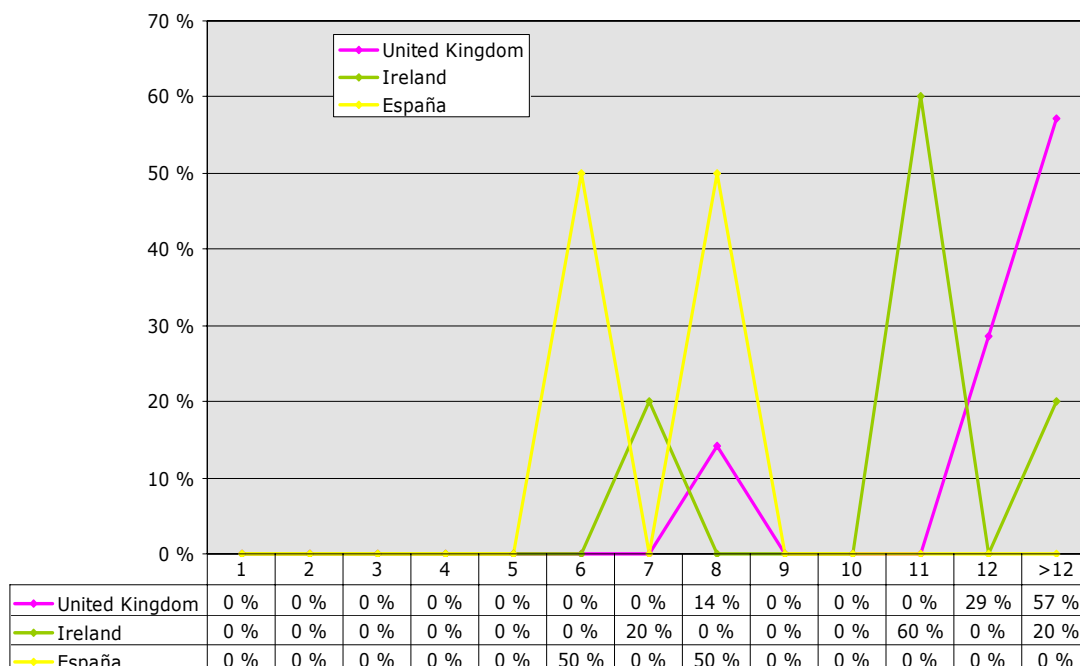


Chart B16: Average age (in months) of BSE positive cases detected in the EU from 2001 to 2007

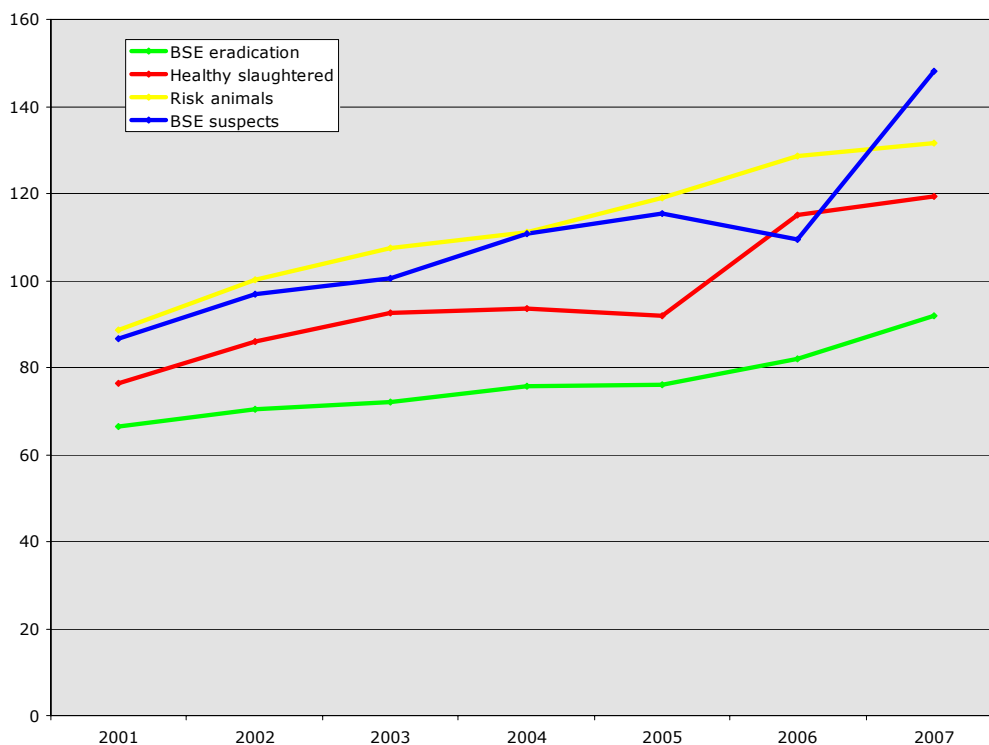


Table B18: Age distribution of positive cases in BSE suspects:

	Age (years old)	1	2	3	4	5	6	7	8	9	10	11	12	>12
	Age group (months)	<24	24-35	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	1	0	1	0	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	50 %	0 %	50 %	0 %	0 %	0 %	0 %	0 %
Ireland	No of cases	0	0	0	0	0	0	1	0	0	0	3	0	1
	%	0 %	0 %	0 %	0 %	0 %	0 %	20 %	0 %	0 %	0 %	60 %	0 %	20 %
United Kingdom	No of cases	0	0	0	0	0	0	0	1	0	0	0	2	4
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	14 %	0 %	0 %	0 %	29 %	57 %
EU-15	No of cases	0	0	0	0	0	1	1	2	0	0	3	2	5
	%	0	0	0	0	0	7 %	7 %	14 %	0	0	21 %	14 %	36 %

Table B19: Average age (in months) per target group of BSE positive cases detected in the EU from 2001 to 2007

	BSE eradication							Healthy slaughtered							Risk animals							BSE suspects						
	2001	2002	2003	2004	2005	2006	2007	2001	2002	2003	2004	2005	2006	2007	2001	2002	2003	2004	2005	2006	2007	2001	2002	2003	2004	2005	2006	2007
Belgique/België	74,0	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	73,6	84,0	81,6	83,0	0,0	178,0	0,0	73,9	81,0	0,0	82,3	95,0	0,0	0,0
Danmark	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	78,0	64,0	0,0	166,0	113,0	0,0	0,0	48,0	0,0	66,0	0,0	0,0	0,0	0,0
Deutschland	61,5	56,3	52,0	87,5	0,0	0,0	0,0	68,4	78,3	72,7	78,4	65,8	79,6	94,0	63,8	78,5	73,4	71,2	80,3	88,9	87,7	64,7	70,5	71,7	68,7	0,0	70,0	0,0
Ellas	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
España	20,0	0,0	69,0	0,0	80,4	0,0	92,0	83,0	81,3	84,2	83,2	82,3	95,0	116,8	72,5	76,4	84,2	81,5	79,1	89,7	100,3	64,3	86,6	74,0	82,7	82,1	82,3	89,0
France	86,0	79,0	0,0	0,0	0,0	0,0	0,0	75,7	86,9	100,1	90,9	116,1	86,7	141,5	79,3	85,8	97,7	110,5	105,6	131,8	124,2	74,9	84,1	81,8	111,4	121,0	0,0	0,0
Ireland	0,0	71,6	95,0	69,0	0,0	0,0	0,0	90,7	99,1	112,3	125,1	131,3	142,0	190,2	83,5	95,6	104,6	117,1	120,9	136,9	154,1	82,4	91,5	100,0	118,1	136,8	113,8	161,6
Italia	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	71,9	75,9	97,3	93,5	115,0	72,0	171,0	0,0	0,0	96,0	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	48,0	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
Nederland	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	71,0	73,0	69,8	84,0	58,0	0,0	86,5	78,0	75,0	79,0	0,0	0,0	106,0	0,0
Österreich	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	135,0	149,0	130,0	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	81,2	86,9	94,5	97,4	100,3	141,6	131,0	82,3	85,2	90,8	103,2	121,4	125,7	143,4	81,9	88,2	93,5	100,8	101,5	147,0	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	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
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	134,0	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	57,0	102,0	109,4	112,4	104,9	114,6	72,0	101,1	110,9	119,9	128,3	136,1	142,8	135,2	89,4	101,0	108,4	119,1	127,6	126,8	155,4
EU-15	66,44	70,50	72,00	75,60	80,31	82,00	92,00	76,25	85,94	93,14	94,49	94,45	112,43	126,59	88,68	100,08	107,73	111,80	119,66	129,90	132,46	86,52	96,95	100,53	110,65	115,23	109,43	148,14
Česká Republika	0,0	0,0	0,0	0,0	57,0	0,0	0,0	77,0	77,0	65,3	88,0	60,0	80,5	0,0	75,0	0,0	84,0	60,6	60,5	72,0	124,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Magyarország	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	78,0	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
Polska	0,0	0,0	0,0	0,0	58,0	0,0	0,0	0,0	82,0	74,0	93,4	83,1	107,0	97,0	0,0	0,0	0,0	114,7	107,5	131,7	121,0	0,0	102,0	67,0	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	62,0	81,0	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
Slovensko	0,0	0,0	0,0	0,0	59,0	0,0	0,0	79,5	100,3	93,0	60,2	59,0	0,0	80,0	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
EU-12					58,00			79,00	87,63	73,13	81,60	79,28	99,10	93,00	78,33	78,30	70,00	76,83	71,33	116,75	115,17		102,00	67,00				
Total EU-27	66,4	70,5	72,0	75,6	76,1	82,0	92,0	76,3	86,0	92,5	93,4	92,1	115,1	119,2	88,6	89,2	107,6	111,0	118,5	129,6	131,5	86,5	97,0	100,4	110,6	115,2	109,4	148,1

Chart B17: Average age (in months) per target group of BSE positive cases detected in the UK from 2001 to 2007

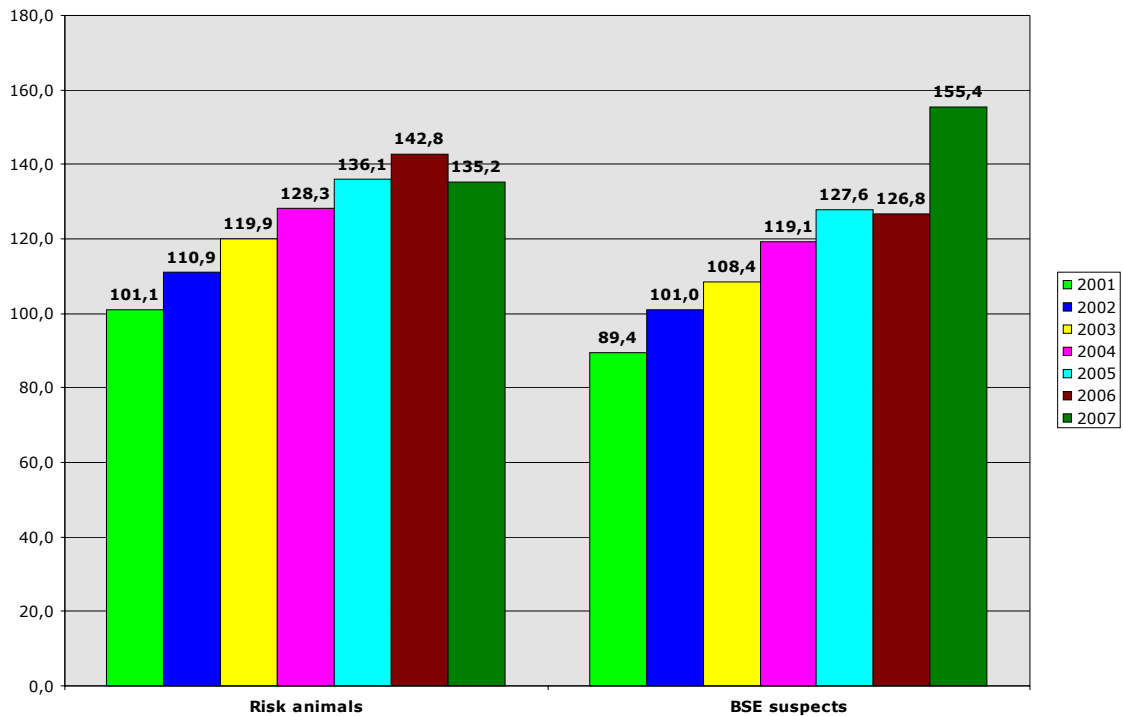


Chart B18: Average age (in months) per target group of BSE positive cases detected in Ireland from 2001 to 2007

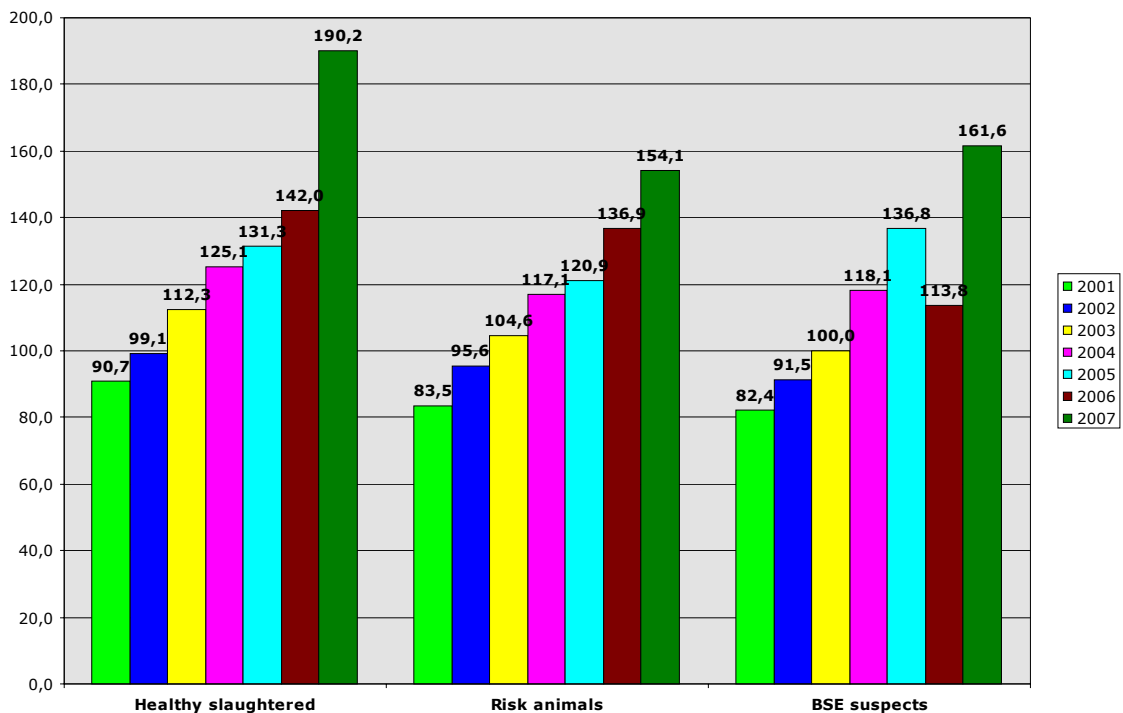
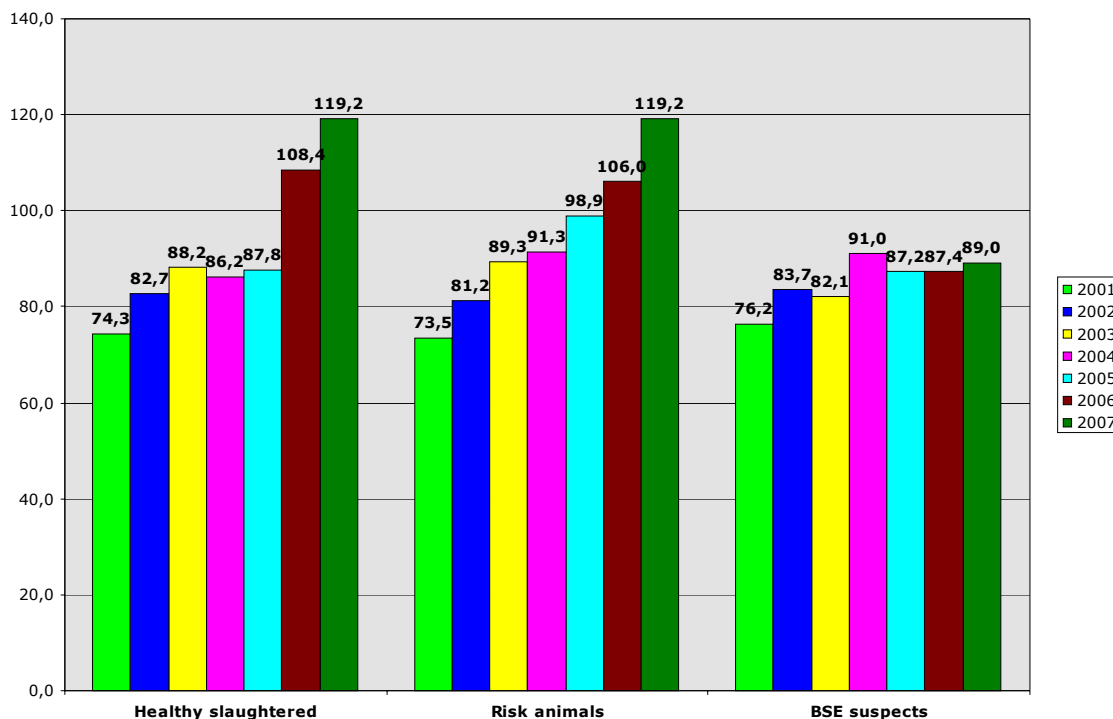


Chart B19: Average age (in months) per target group of BSE positive cases detected in the rest of EU-15 from 2001 to 2007



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 2007 as was already observed in the previous years. A favourable evolution (increasing trend) is observed in the average age of positive cases of the major target groups (BSE suspects, healthy slaughtered cattle and risk animals) from 2001 to 2007. Taking into consideration an average incubation period of 5-6 years, these figures are an indication that measures taken from 1997 onwards may have had effect and that the prevalence of BSE in young animals is decreasing.

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

Table B20: Year of birth distribution of BSE cases

	Year of birth	< 1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Belgique/België	No of cases	0	0	3	4	2	16	28	41	17	3	0	0	0	0	0	0
	%	0 %	0 %	3 %	4 %	2 %	14 %	25 %	36 %	15 %	3 %	0 %	0 %	0 %	0 %	0 %	0 %
Danmark	No of cases	0	1	0	0	1	0	0	7	2	2	0	0	0	0	0	0
	%	0 %	8 %	0 %	0 %	8 %	0 %	0 %	54 %	15 %	15 %	0 %	0 %	0 %	0 %	0 %	0 %
Deutschland	No of cases	1	2	2	2	3	15	84	134	44	34	54	26	2	0	0	0
	%	0 %	0 %	0 %	0 %	1 %	4 %	21 %	33 %	11 %	8 %	13 %	6 %	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 %	0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
España	No of cases	11	3	0	6	36	39	94	113	152	131	73	69	1	1	0	0
	%	2 %	0 %	0 %	1 %	5 %	5 %	13 %	16 %	21 %	18 %	10 %	9 %	0 %	0 %	0 %	0 %
France	No of cases	4	3	5	12	62	186	298	87	40	16	9	3	1	0	0	0
	%	1 %	0 %	1 %	2 %	9 %	26 %	41 %	12 %	6 %	2 %	1 %	0 %	0 %	0 %	0 %	0 %
Ireland	No of cases	23	17	29	45	116	189	397	174	13	6	7	5	3	1	0	0
	%	2 %	2 %	3 %	4 %	11 %	18 %	39 %	17 %	1 %	1 %	1 %	0 %	0 %	0 %	0 %	0 %
Italia	No of cases	3	0	1	4	5	14	26	52	26	3	5	2	1	0	0	0
	%	2 %	0 %	1 %	3 %	4 %	10 %	18 %	37 %	18 %	2 %	4 %	1 %	1 %	0 %	0 %	0 %
Luxembourg	No of cases	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	0 %	50 %	0 %	0 %	0 %	0 %	50 %	0 %	0 %	0 %
Nederland	No of cases	1	0	2	2	3	4	7	32	12	6	2	3	1	0	0	0
	%	1 %	0 %	3 %	3 %	4 %	5 %	9 %	43 %	16 %	8 %	3 %	4 %	1 %	0 %	0 %	0 %
Österreich	No of cases	0	0	0	1	1	1	0	2	0	0	0	1	0	0	0	0
	%	0 %	0 %	0 %	17 %	17 %	17 %	0 %	33 %	0 %	0 %	0 %	17 %	0 %	0 %	0 %	0 %
Portugal	No of cases	9	10	3	13	85	109	64	83	80	47	12	1	0	1	0	0
	%	2 %	2 %	1 %	3 %	16 %	21 %	12 %	16 %	15 %	9 %	2 %	0 %	0 %	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 %	0 %	0 %	0 %	0 %	0 %	100 %	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 %	0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %
United Kingdom	No of cases	258	106	204	388	635	973	851	109	53	50	33	13	7	5	0	0
	%	7 %	3 %	6 %	11 %	17 %	26 %	23 %	3 %	1 %	1 %	1 %	0 %	0 %	0 %	0 %	0 %
Total EU-15	No of cases	310	142	249	477	949	1 547	1 850	836	439	298	195	123	17	8	0	0
	%	4 %	2 %	3 %	6 %	13 %	21 %	25 %	11 %	6 %	4 %	3 %	2 %	0 %	0 %	0 %	0 %
Česká Republika	No of cases	0	0	0	0	0	0	4	3	3	3	3	11	1	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	14 %	11 %	11 %	11 %	11 %	39 %	4 %	0 %	0 %	0 %
Polska	No of cases	0	0	0	3	0	5	7	12	6	6	9	6	3	1	1	1
	%	0 %	0 %	0 %	5 %	0 %	8 %	12 %	20 %	10 %	10 %	15 %	10 %	5 %	2 %	2 %	2 %
Slovenija	No of cases	0	0	0	0	0	0	1	1	0	1	1	4	0	0	0	0
	%	0 %	0 %	0 %	0 %	0 %	0 %	13 %	13 %	0 %	13 %	13 %	50 %	0 %	0 %	0 %	0 %
Slovensko	No of cases	0	0	1	0	0	0	9	4	1	0	1	5	4	0	0	0
	%	0 %	0 %	4 %	0 %	0 %	0 %	36 %	16 %	4 %	0 %	4 %	20 %	16 %	0 %	0 %	0 %
Total EU-12	No of cases	0	0	1	3	0	5	21	20	10	10	14	26	8	1	1	1
	%	0 %	0 %	1 %	2 %	0 %	4 %	17 %	17 %	8 %	8 %	12 %	21 %	7 %	1 %	1 %	1 %

Charts B20 and B21: Distribution of number of BSE cases per year of birth

Chart B20

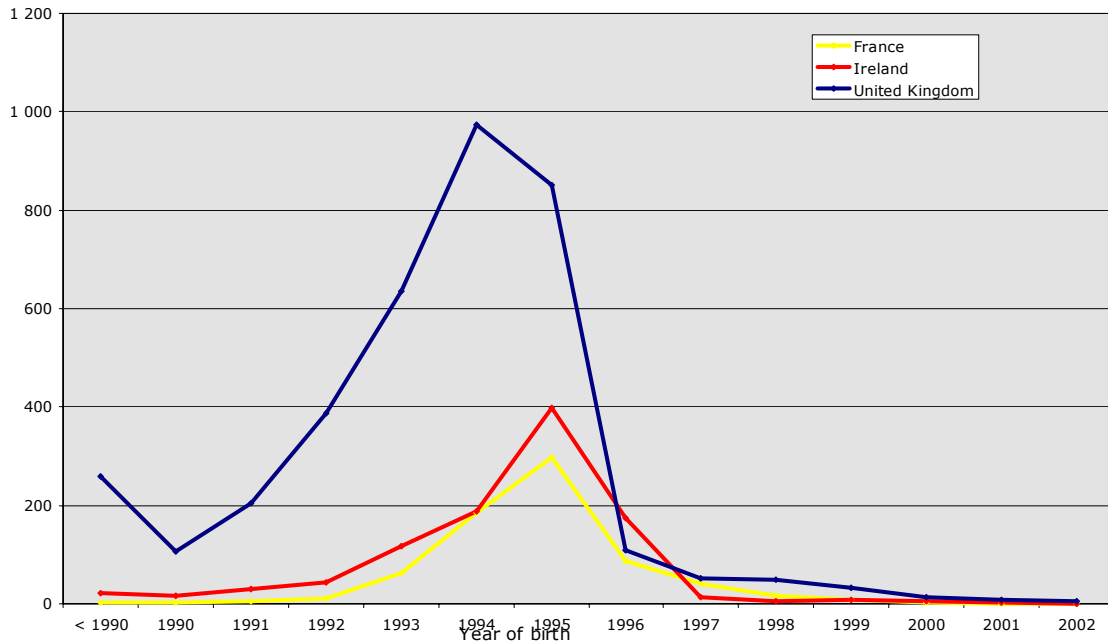
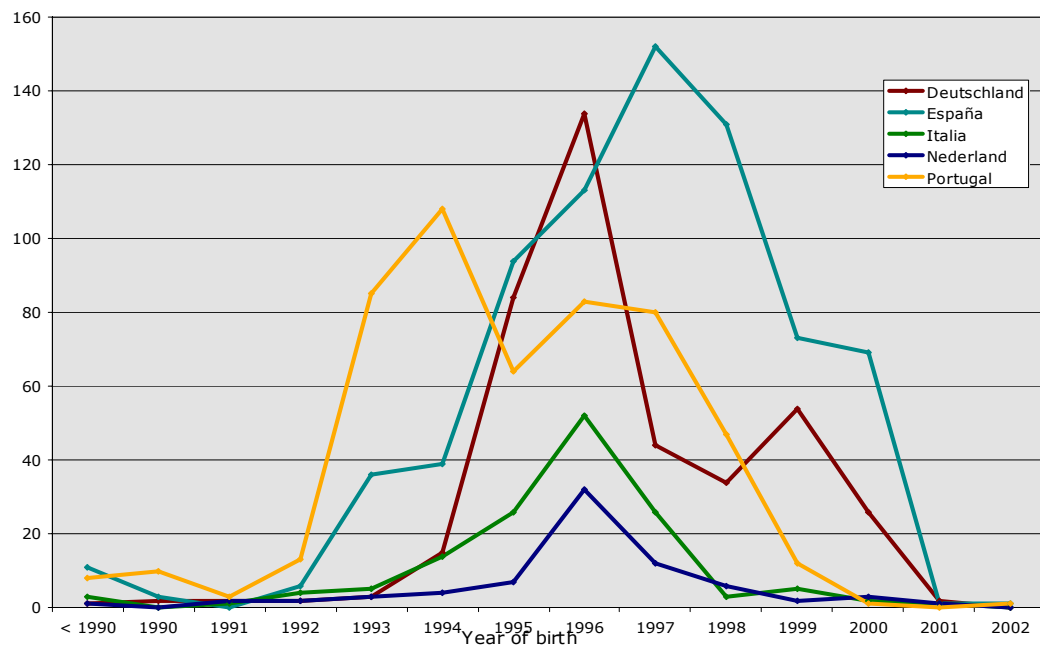


Chart B21



Charts B22 and B23: Distribution of percentage of BSE cases per year of birth

Chart B22

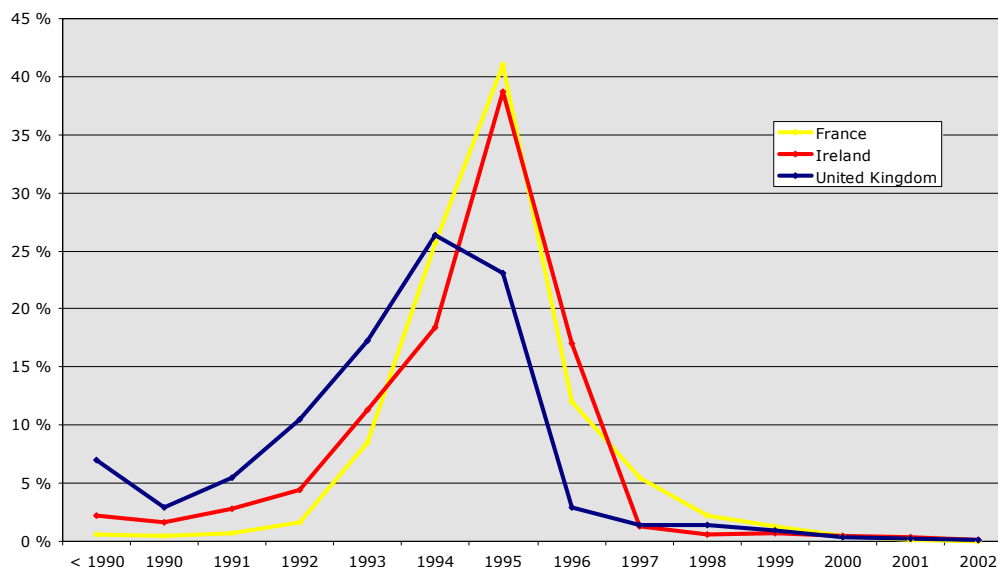
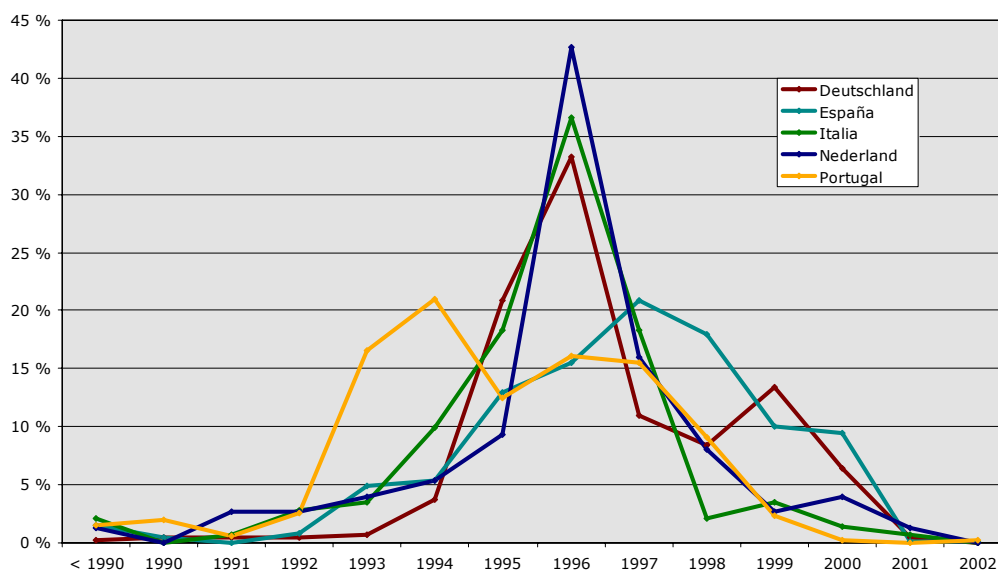


Chart B23



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 in particular in the United Kingdom, Portugal, Ireland and France. 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. When assessing the figures in healthy slaughtered animals in the UK, it should be borne in mind that the testing was targeted at animals born after 1 August 1996.

4.6. Prevalence of BSE in different age categories

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

Reported as	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU-15
< 24	2 547	549	10 156	92	1 098	0	6	264	0	7 055	1	1	156	558	6	22 489
24-29	4 708	4 899	31 416	391	23 852	19 938	7 648	9 212	279	5 526	1 598	2 059	3 015	1 543	13 444	129 528
30-35	24 976	24 051	197 461	2 284	9 210	289 497	271 377	51 032	2 460	37 969	20 583	5 322	12 435	27 964	51 962	1 028 583
36-47	65 730	51 001	302 888	4 236	21 440	480 836	159 646	97 013	2 837	78 379	29 904	10 242	25 470	39 344	82 987	1 451 953
48-59	69 031	51 272	276 559	4 336	25 799	311 074	57 198	103 456	1 915	81 830	28 210	10 319	26 238	36 498	77 510	1 161 245
60-71	57 256	38 625	239 189	3 957	23 858	265 983	47 957	90 204	1 464	72 580	26 890	9 152	20 583	29 070	72 026	998 794
72-83	42 869	25 345	194 707	3 004	21 462	223 703	45 825	71 128	1 121	61 107	25 143	8 180	13 499	19 840	66 469	823 402
84-95	28 836	15 564	138 899	2 334	19 092	185 459	42 706	54 880	895	40 482	21 740	7 634	8 077	12 532	68 088	647 218
96-107	18 281	8 968	92 820	2 125	15 907	146 279	-	40 066	495	38 521	17 668	6 428	4 362	7 214	60 044	459 178
108-119	11 261	4 907	61 677	1 829	12 487	111 653	-	29 538	587	18 288	14 277	5 016	2 347	4 591	49 341	327 799
120-131	6 263	2 820	39 657	1 549	9 726	85 459	-	21 194	396	11 231	10 692	4 086	1 227	2 830	38 856	235 986
132-143	3 725	1 958	25 319	1 344	7 990	65 498	-	16 385	268	6 429	7 877	3 593	726	1 683	29 064	171 859
144-155	2 097	1 005	15 440	968	6 909	48 705	-	12 717	200	3 346	5 405	3 534	460	1 276	8 101	110 163
> 155	3 514	1 514	23 719	1 997	20 548	103 189	-	32 658	428	3 287	9 167	13 273	673	1 742	8 674	224 383
> 95	-	-	-	-	-	-	214 014	-	-	9 956	-	-	-	-	-	223 970
Unknown	18 758	149	1 327	0	2 655	18 979	11	61	0	0	99	0	92	772	8 186	51 089
Total	359 852	232 627	1 651 234	30 446	222 033	2 356 252	846 388	629 808	13 345	466 030	219 254	88 837	119 360	187 457	634 758	8 057 681

Reported as	CZ	EE	CY	LT	MT	SI	SK
< 24	23	17	109	7	0	47	29
24-29	9 012	761	595	775	821	1 074	1 681
30-35	16 541	2 973	845	12 770	355	3 585	6 943
36-47	28 409	5 568	1 508	14 390	487	4 495	11 046
48-59	27 733	5 714	1 329	17 835	392	3 795	10 837
60-71	23 602	5 359	1 215	10 879	578	3 665	8 984
72-83	18 617	4 509	745	8 157	23	3 376	6 897
84-95	13 067	3 259	606	8 430	0	2 991	4 988
96-107	8 482	2 462	371	3 808	0	2 314	2 921
108-119	5 659	1 765	229	9 101	0	1 810	2 550
120-131	3 748	1 230	173	5 401	0	1 307	1 794
132-143	2 334	758	103	5 947	0	1 090	1 094
144-155	1 343	436	59	1 822	0	723	666
> 155	1 850	477	31	988	0	1 108	774
> 95	-	-	-	-	-	-	-
Unknown	0	28	0	0	0	4	0
Total	160 420	35 316	7 918	100 310	2 656	31 384	61 204

Report on the monitoring and testing of ruminants for the presence of TSE in 2007

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

Reported as	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU-15
< 24	2 428	73	2 737	70	572	0	0	203	0	6 931	0	0	65	345	5	13 429
24-29	4 208	4 816	26 500	300	3 433	18 287	7 645	8 733	279	5 260	1 598	2 059	2 601	1 209	13 421	100 349
30-35	5 081	3 616	22 762	356	2 430	22 034	6 154	7 677	384	9 069	1 662	1 909	1 512	1 348	12 853	98 847
36-47	8 315	7 769	35 533	619	5 735	42 140	10 336	14 153	651	9 713	2 358	3 738	3 211	2 822	24 712	171 805
48-59	6 748	7 993	34 828	610	5 633	33 211	8 109	14 620	474	9 581	2 342	3 770	3 817	2 974	23 823	158 533
60-71	5 624	6 405	32 104	499	5 316	29 359	7 318	13 032	398	8 709	2 387	3 371	3 234	2 607	22 169	142 532
72-83	4 418	4 221	26 188	374	4 543	25 243	7 270	9 991	333	6 115	2 218	2 785	2 068	1 882	20 160	117 809
84-95	3 338	2 538	18 144	265	3 603	20 609	6 587	7 316	243	543	1 827	2 480	1 156	1 236	20 577	90 462
96-107	2 203	1 464	11 414	250	2 804	15 743	-	5 174	1	10 275	1 361	2 118	613	14	17 503	70 937
108-119	1 518	827	7 204	226	2 056	11 423	-	3 635	151	208	1 120	1 562	330	385	14 073	44 718
120-131	912	489	4 532	194	1 578	8 584	-	2 516	81	115	822	1 266	187	229	10 831	32 336
132-143	526	364	2 961	173	1 271	6 754	-	1 902	63	85	614	1 099	121	124	7 340	23 397
144-155	364	196	1 865	136	1 057	5 225	-	1 500	47	39	445	1 182	90	193	5 402	17 741
> 155	559	353	3 912	277	3 320	14 011	-	4 145	136	56	942	4 477	162	78	8 650	41 078
> 95	-	-	-	-	-	-	34 361	-	-	9 950	-	-	-	-	-	44 311
Unknown	735	145	642	0	1 987	6 461	0	11	0	0	61	0	36	646	8 097	18 821
Total	46 977	41 269	231 326	4 349	45 338	259 084	87 780	94 608	3 241	76 649	19 757	31 815	19 203	16 092	209 616	1 187 104

Reported as	CZ	EE	CY	LT	MT	SI	SK
< 24	21	15	51	5	0	42	26
24-29	9 011	701	166	768	368	1 056	1 608
30-35	5 407	626	142	421	0	900	1 489
36-47	10 231	1 183	199	780	0	1 271	2 684
48-59	10 386	1 137	184	600	0	1 184	2 550
60-71	8 847	1 003	175	542	0	1 184	2 086
72-83	6 641	858	102	335	0	1 042	1 467
84-95	4 529	563	78	700	0	861	1 082
96-107	2 704	359	8	76	0	619	26
108-119	1 644	235	17	1 092	0	427	493
120-131	1 066	147	23	465	0	264	324
132-143	642	77	15	638	0	221	185
144-155	389	45	6	705	0	133	115
> 155	547	35	9	56	0	203	141
> 95	-	-	-	-	-	-	-
Unknown	0	8	0	0	0	4	0
Total	62 065	6 992	1 175	7 183	368	9 411	14 276

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

Reported as	BE	DK	DE	EL	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	EU-15
< 24	117	476	7 406	22	508	0	0	57	0	121	0	0	91	213	1	9 012
24-29	497	82	4 760	91	20 400	1 648	0	479	0	265	0	0	414	334	23	28 993
30-35	19 892	20 434	174 552	1 928	6 780	267 463	265 217	43 354	2 074	28 900	18 921	3 410	10 922	26 616	39 109	929 572
36-47	57 410	43 229	267 094	3 617	15 704	438 695	149 296	82 858	2 185	68 664	27 546	6 501	22 259	36 522	58 242	1 279 822
48-59	62 276	43 278	241 494	3 726	20 165	277 861	49 080	88 834	1 441	72 248	25 867	6 548	22 421	33 524	53 637	1 002 400
60-71	51 629	32 219	206 896	3 458	18 542	236 622	40 620	77 171	1 066	63 867	24 503	5 779	17 348	26 463	49 830	856 013
72-83	38 447	21 124	168 333	2 630	16 899	198 459	38 533	61 135	788	54 987	22 925	5 391	11 431	17 958	46 260	705 300
84-95	25 495	13 025	120 632	2 069	15 462	164 849	36 116	47 564	652	39 930	19 913	5 142	6 921	11 296	47 446	556 512
96-107	16 075	7 503	81 301	1 875	13 086	130 535	-	34 892	494	28 244	16 306	4 296	3 749	7 200	42 482	388 038
108-119	9 741	4 080	54 432	1 603	10 426	100 230	-	25 899	436	18 080	13 157	3 443	2 017	4 206	35 217	282 967
120-131	5 350	2 331	35 100	1 355	8 146	76 870	-	18 676	315	11 116	9 870	2 804	1 040	2 601	28 004	203 578
132-143	3 199	1 594	22 341	1 171	6 718	58 735	-	14 483	205	6 344	7 262	2 476	605	1 559	21 688	148 380
144-155	1 733	809	13 560	832	5 852	43 476	-	11 215	153	3 307	4 960	2 311	370	1 083	2 682	92 343
> 155	2 954	1 161	19 786	1 720	17 226	89 177	-	28 511	292	3 231	8 224	8 706	511	1 664	19	183 182
> 95	-	-	-	-	-	-	179 534	-	-	-	-	-	-	-	-	179 534
Unknown	18 020	4	680	0	116	12 517	0	50	0	0	38	0	56	126	17	31 624
Total	312 835	191 349	1 418 367	26 097	176 030	2 097 137	758 396	535 178	10 101	399 304	199 492	56 807	100 155	171 365	424 657	6 877 270

Reported as	CZ	EE	CY	LT	MT	SI	SK
< 24	0	2	58	2	0	0	2
24-29	1	60	429	7	453	16	73
30-35	11 134	2 347	703	12 349	355	2 684	5 454
36-47	18 177	4 385	1 309	13 610	487	3 220	8 362
48-59	17 347	4 577	1 145	17 235	392	2 610	8 287
60-71	14 715	4 356	1 040	10 337	578	2 478	6 891
72-83	11 874	3 651	643	7 822	23	2 334	5 368
84-95	8 526	2 696	528	7 730	0	2 129	3 898
96-107	5 774	2 103	363	3 732	0	1 695	2 895
108-119	4 015	1 530	212	8 009	0	1 382	2 057
120-131	2 681	1 083	150	4 936	0	1 043	1 470
132-143	1 690	681	88	5 309	0	869	909
144-155	954	391	53	1 117	0	590	551
> 155	1 303	442	22	932	0	904	633
> 95	-	-	-	-	-	-	-
Unknown	0	20	0	0	0	0	0
Total	98 191	28 324	6 743	93 127	2 288	21 954	46 850

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

Reported as	BE	DK	DE	ES	FR	IE	IT	LU	NL	AT	PT	FI	UK	EU-15	LT	HU	MT	SI
< 24	2	0	11	0	0	6	3	0	1	1	1	0	0	25	0	8	0	4
24-29	3	1	156	0	1	3	0	0	1	0	0	0	0	165	0	4	0	1
30-35	3	1	147	0	0	3	0	2	0	0	1	1	0	158	0	1	0	1
36-47	5	0	256	1	1	11	0	1	2	0	1	0	8	286	0	2	0	4
48-59	7	1	233	1	2	8	1	0	1	1	1	0	11	267	0	2	0	1
60-71	3	1	184	0	2	13	1	0	4	0	1	1	6	216	0	2	0	3
72-83	4	0	173	3	1	14	2	0	0	0	2	0	4	203	0	0	0	0
84-95	3	1	104	0	1	8	0	0	2	0	2	0	4	125	0	1	0	1
96-107	3	1	96	3	1	3	0	0	0	1	0	0	4	112	0	0	0	0
108-119	2	0	40	1	0	8	0	0	0	0	1	0	5	57	0	0	0	1
120-131	1	0	24	1	0	6	0	0	0	0	0	0	2	34	0	0	0	0
132-143	0	0	17	0	0	2	0	0	0	1	0	0	4	24	0	0	0	0
144-155	0	0	15	0	0	0	0	0	0	0	0	0	5	20	0	0	0	0
> 155	1	0	21	1	1	2	2	0	0	1	1	0	5	35	0	1	0	1
> 95	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	0	0	0
Unknown	3	0	5	552	1	11	0	0	0	0	0	0	7	579	0	0	0	0
Total	40	6	1 482	563	11	98	9	3	15	5	11	2	65	2 310	0	21	0	17

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

Reported as	BE	CZ	DK	DE	ES	FR	IE	IT	HU	MT	NL	PT	SI	UK	EU-27
< 24	0	2	0	2	18	0	0	1	0	0	2	0	1	0	26
24-29	0	0	0	0	19	2	0	0	0	0	0	0	1	0	22
30-35	0	0	0	0	0	0	3	1	0	0	0	2	0	0	6
36-47	0	1	3	5	0	0	3	2	0	0	0	2	0	25	41
48-59	0	0	0	4	0	0	1	1	0	0	0	0	0	39	45
60-71	0	40	0	5	0	0	6	0	0	0	0	2	0	21	74
72-83	0	102	0	13	17	0	8	0	0	0	5	2	0	45	192
84-95	0	12	0	19	27	0	3	0	0	0	7	9	0	61	138
96-107	0	4	0	9	14	0	0	0	0	0	2	0	0	55	84
108-119	0	0	0	1	4	0	0	4	0	0	0	10	0	46	65
120-131	0	1	0	1	1	5	0	2	0	0	0	16	0	19	45
132-143	0	2	0	0	1	9	0	0	0	0	0	18	0	32	62
144-155	0	0	0	0	0	4	0	2	0	0	0	41	0	12	59
> 155	0	0	0	0	1	0	0	0	0	0	0	89	0	0	90
> 95	0	0	0	0	0	0	90	0	0	0	2	0	0	0	92
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	65	65
Total	0	164	3	59	102	20	114	13	0	0	18	190	2	420	1 105

Chart B24: Extrapolated age (months) distribution of cattle tested in different age groups in the EU in 2007

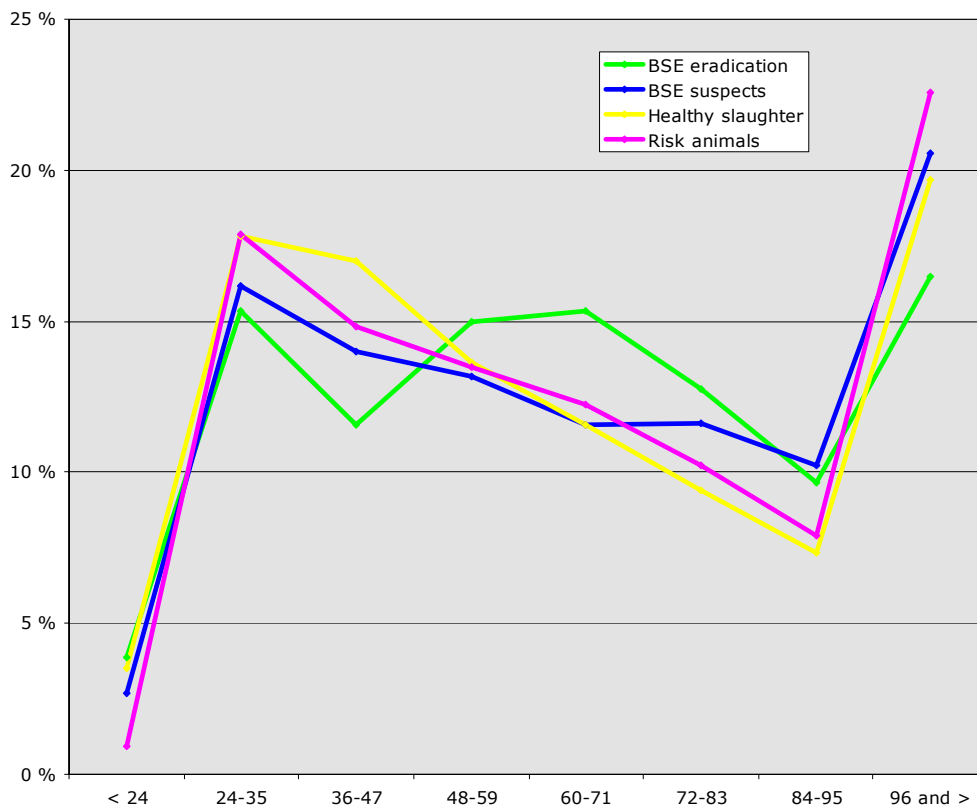


Chart B25: Extrapolated age (months) distribution of risk animals tested in some Member States in 2007

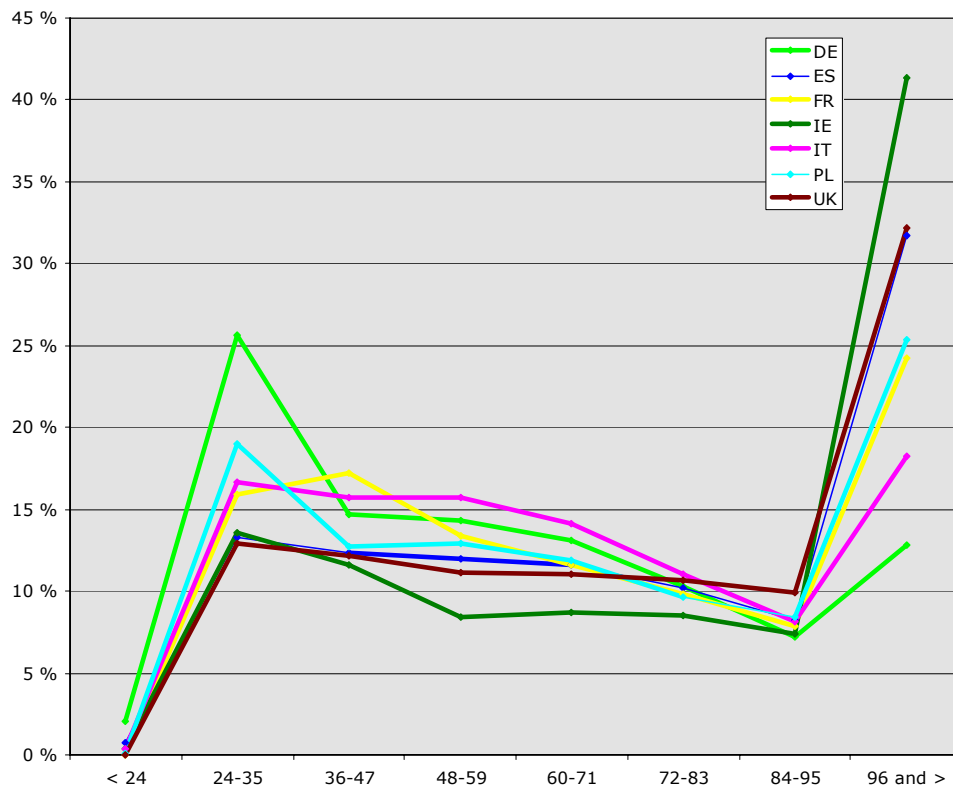


Chart B26: Extrapolated age (months) distribution of healthy slaughtered animals tested in some Member States in 2007

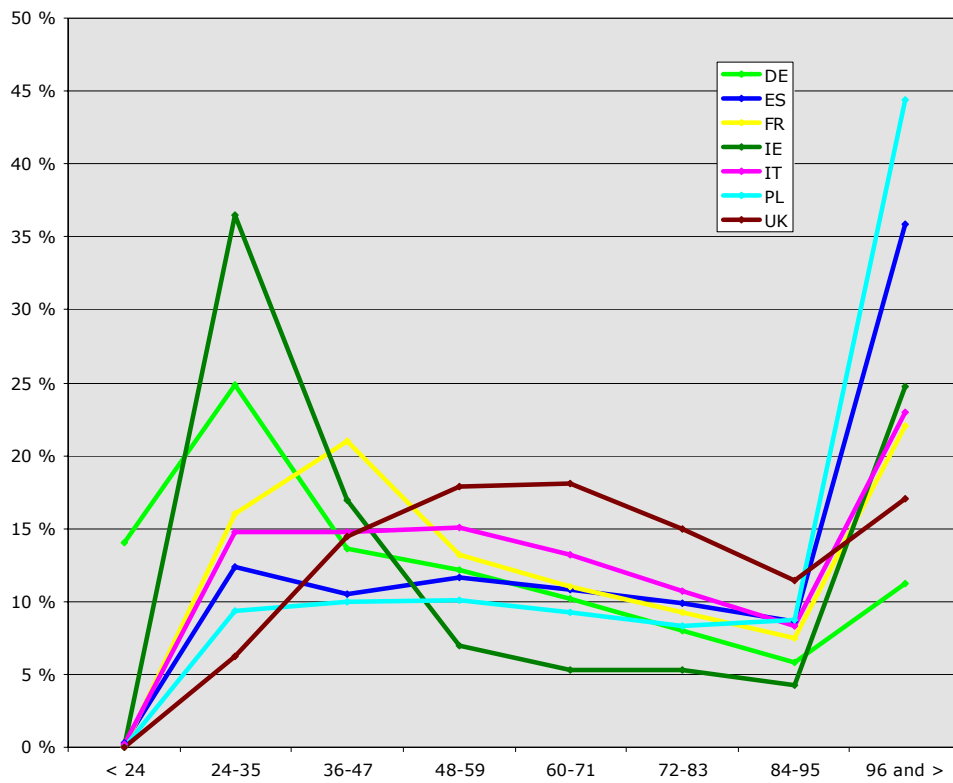


Chart B27: Prevalence (ratio of positive cases per 10.000 animals tested) of BSE per target group

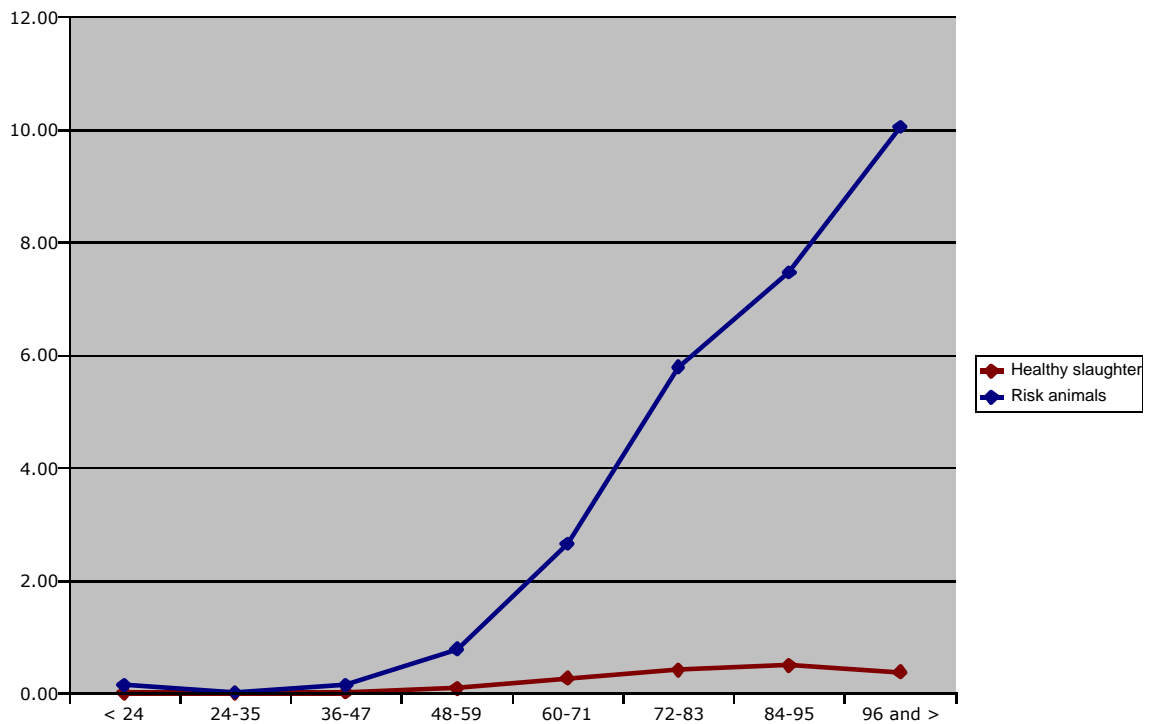


Table B26: Prevalence (ratio of positive cases per 10.000 animals tested) of different age groups (months): total population

EU 15	DE	ES	FR	IE	IT	NL	AT	PT	UK	EU 15
< 24	0,00	9,11		0,00	0,00	0,00	0,00	0,00	0,00	0,54
24-35	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
36-47	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
48-59	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
60-71	0,00	0,00	0,00	0,21	0,00	0,00	0,00	0,00	0,28	0,04
72-83	0,05	2,80	0,00	0,00	0,00	0,00	0,00	0,00	0,30	0,13
84-95	0,22	3,67	0,00	0,47	0,00	0,49	0,00	1,31	0,29	0,29
96-107	0,00	3,77	0,07	-	0,00	0,00	0,00	2,26	1,00	0,34
108-119	0,00	0,00	0,09	-	0,34	0,00	0,00	1,99	0,20	0,17
120-131	0,00	1,03	0,12	-	0,00	0,00	0,94	2,45	0,00	0,18
132-143	0,00	1,25	0,46	-	0,00	0,00	0,00	2,78	1,03	0,86
144-155	0,00	1,45	0,41	-	0,00	0,00	0,00	5,66	12,34	2,02
> 155	0,00	0,97	0,00	-	0,31	0,00	0,00	3,01	26,52	1,82
> 95	0,00	-	-	1,06	-	0,00	-	0,00	-	0,00

EU 12	CZ	HU	PL	SI	SK
< 24	0,00	0,00	0,00	0,00	0,00
24-35	0,00	0,00	0,15	0,00	0,00
36-47	0,00	0,00	0,16	0,00	0,00
48-59	0,00	0,00	0,00	0,00	0,00
60-71	0,00	0,00	0,00	0,00	0,00
72-83	0,00	0,97	0,00	2,96	1,45
84-95	0,00	0,00	0,20	0,00	0,00
96-107	0,00	0,00	0,70	0,00	0,00
108-119	1,77	0,00	0,00	0,00	0,00
120-131	0,00	0,00	0,00	0,00	0,00
132-143	4,28	0,00	0,00	0,00	0,00
144-155	0,00	0,00	0,92	0,00	0,00
> 155	0,00	0,00	0,00	0,00	0,00
> 95	-	0,00	0,00	-	0,00

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

	DE	ES	FR	IE	IT	NL	AT	PT	UK	EU-15	CZ	PL	SI
< 24	0,00	17,48		0,00	0,00	0,00	0,00	0,00	0,00	0,96	0,00	0,00	0,00
24-35	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
36-47	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	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	0,00	0,00	0,00	0,00	0,00
60-71	0,00	0,00	0,00	1,37	0,00	0,00	0,00	0,00	0,90	0,24	0,00	0,00	0,00
72-83	0,38	6,60	0,00	0,00	0,00	0,00	0,00	0,00	0,50	0,48	0,00	0,00	9,60
84-95	1,10	2,78	0,00	0,00	0,00	36,83	0,00	4,03	0,49	0,86	0,00	2,17	0,00
96-107	0,00	7,13	0,64	0,00	0,00	0,00	0,00	0,00	2,29	1,09	0,00	0,00	0,00
108-119	0,00	0,00	0,88	0,00	0,00	0,00	0,00	6,40	0,71	0,97	6,08	0,00	0,00
120-131	0,00	6,34	1,16	0,00	0,00	0,00	12,17	7,90	0,00	1,32	0,00	0,00	0,00
132-143	0,00	7,87	2,96	0,00	0,00	0,00	0,00	9,10	4,09	4,54	15,58	0,00	0,00
144-155	0,00	0,00	1,91	0,00	0,00	0,00	0,00	16,92	14,81	9,57	0,00	0,00	0,00
> 155	0,00	0,00	0,00	0,00	2,41	0,00	0,00	6,70	21,97	6,83	0,00	0,00	0,00
> 95	0,00	-	-	3,78	-	0,00	-	0,00	-	0,00	-	0,00	-

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

	DE	ES	FR	IE	IT	PT	UK	EU-15	PL	SK
< 24	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
24-35	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,18	0,00
36-47	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,18	0,00
48-59	0,00	0,00	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	0,00	0,00
72-83	0,00	0,59	0,00	0,00	0,00	0,00	0,22	0,04	0,00	1,86
84-95	0,08	3,23	0,00	0,28	0,00	0,00	0,00	0,16	0,00	0,00
96-107	0,00	0,76	0,00	0,00	0,00	2,33	0,47	0,13	0,71	0,00
108-119	0,00	0,00	0,00	0,00	0,39	0,00	0,00	0,04	0,00	0,00
120-131	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
132-143	0,00	0,00	0,17	0,00	0,00	0,00	0,00	0,08	0,00	0,00
144-155	0,00	1,71	0,23	0,00	0,00	0,00	0,00	0,38	0,97	0,00
> 155	0,00	0,58	0,00	0,00	0,00	1,15	0,00	0,37	0,00	0,00
> 95	-	-	-	0,28	-	-	-	-	-	-

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

	ES	IE	UK	EU-15
< 24		0,00		0,00
24-35		0,00		0,00
36-47	0,00	0,00	0,00	0,00
48-59	0,00	0,00	0,00	0,00
60-71		0,00	0,00	0,00
72-83	6.666,67	0,00	0,00	952,38
84-95		1.250,00	2.500,00	1.666,67
96-107	10.000,00	0,00	0,00	3.000,00
108-119	0,00	0,00	0,00	0,00
120-131	0,00	0,00	0,00	0,00
132-143		15.000,00	0,00	5.000,00
144-155		0,00	4.000,00	4.000,00
> 155	10.000,00	5.000,00	8.000,00	7.500,00
> 95		0,00		0,00

Chart B28: BSE prevalence in tested animals (ratio of positive cases per 10 000 cattle tested) in healthy slaughtered cattle in the EU in 2007

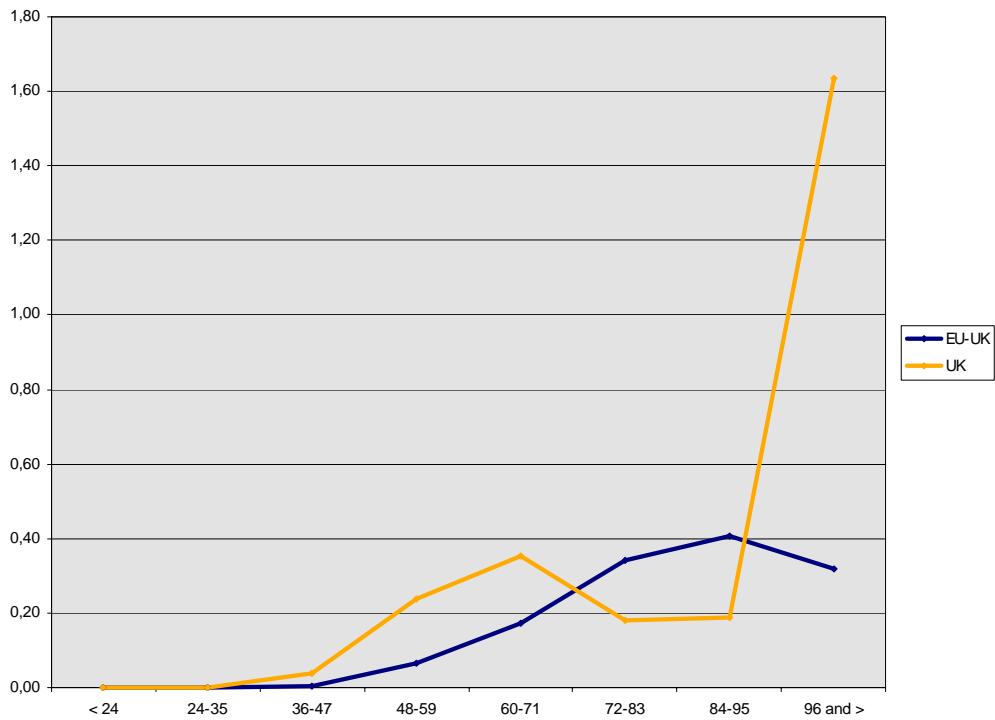
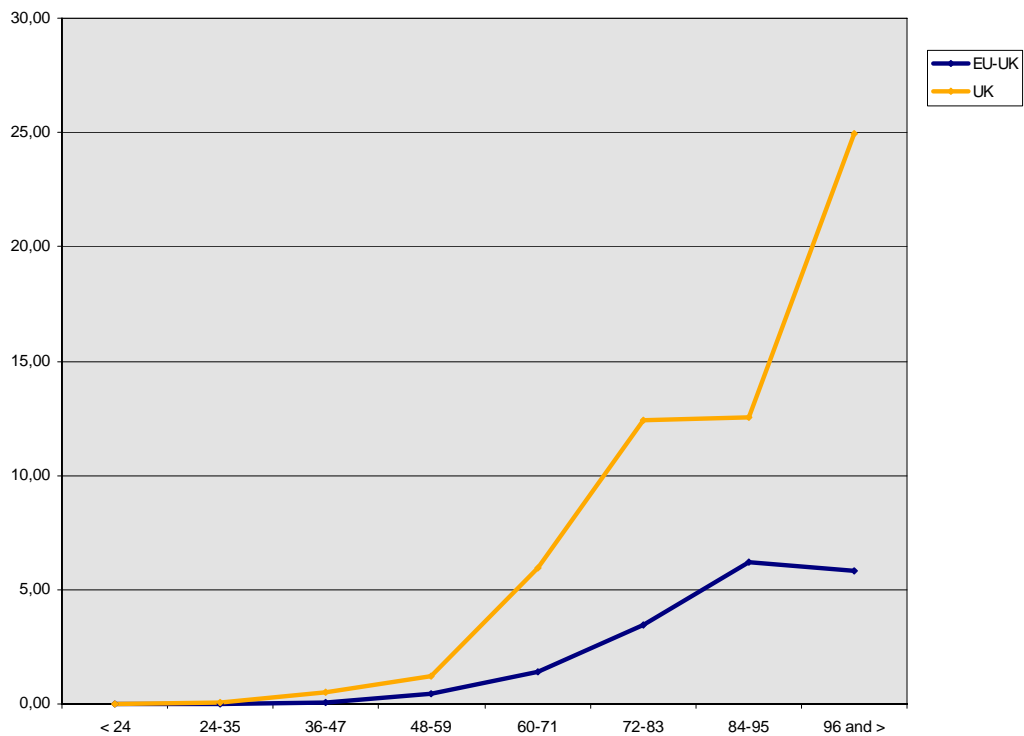


Chart B29: BSE prevalence in tested animals (ratio of positive cases per 10.000 cattle tested) in risk animals in the EU in 2007



Comments on the prevalence of BSE in different age categories

A high number of tested young cattle may decrease the overall prevalence of BSE and the prevalence in a target group. Therefore differences in prevalence of BSE between Member States should be compared within the same age and target group. However, the results should be interpreted with caution if the number of positive cases within a target and age group is limited.

Chart B31: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2007 and born in 1996

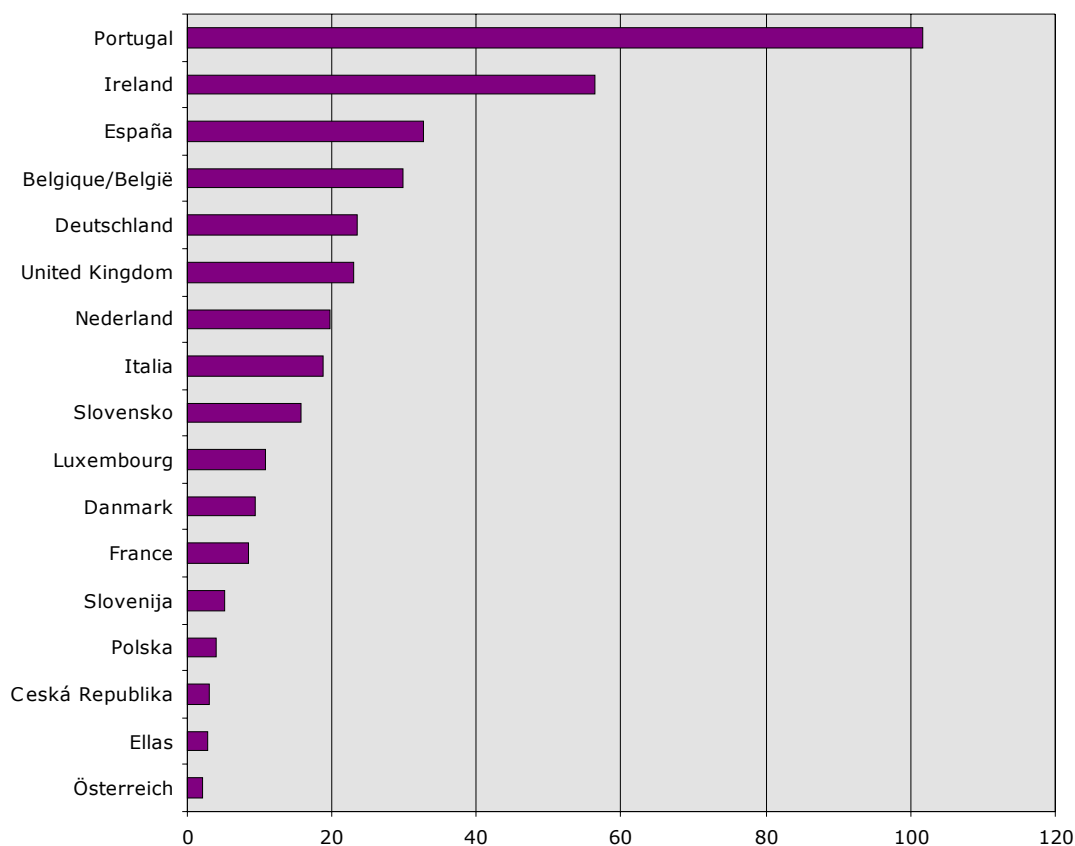


Chart B32: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2007 and born in 1997

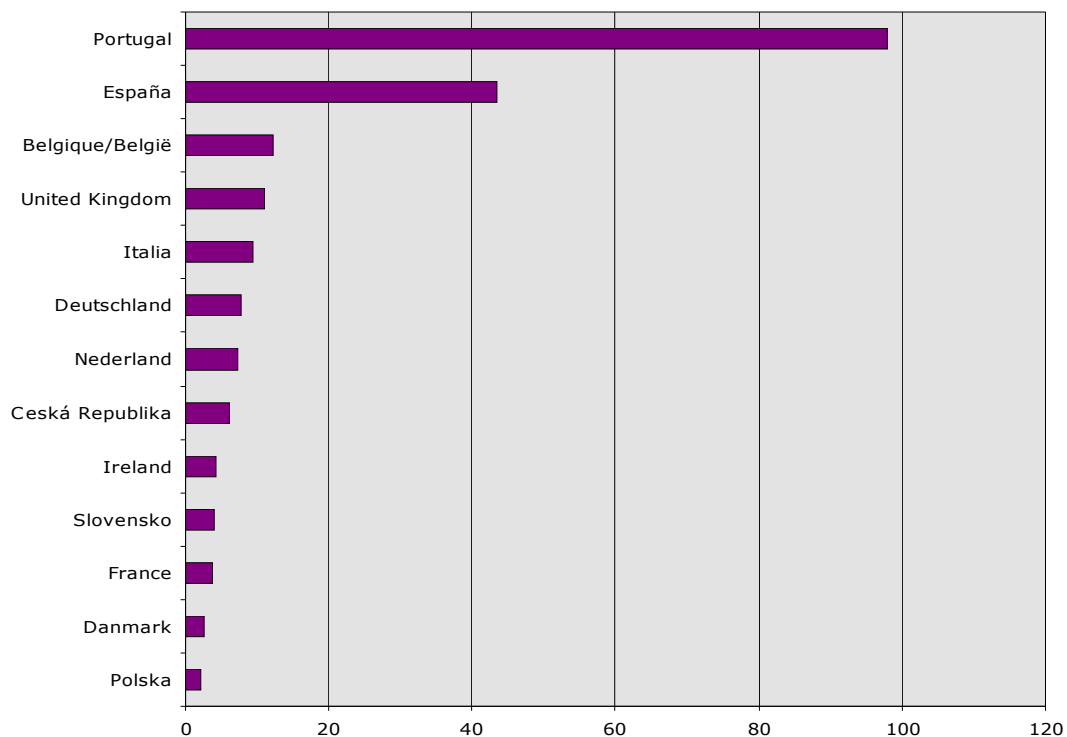


Chart B33: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2007 and born in 1998

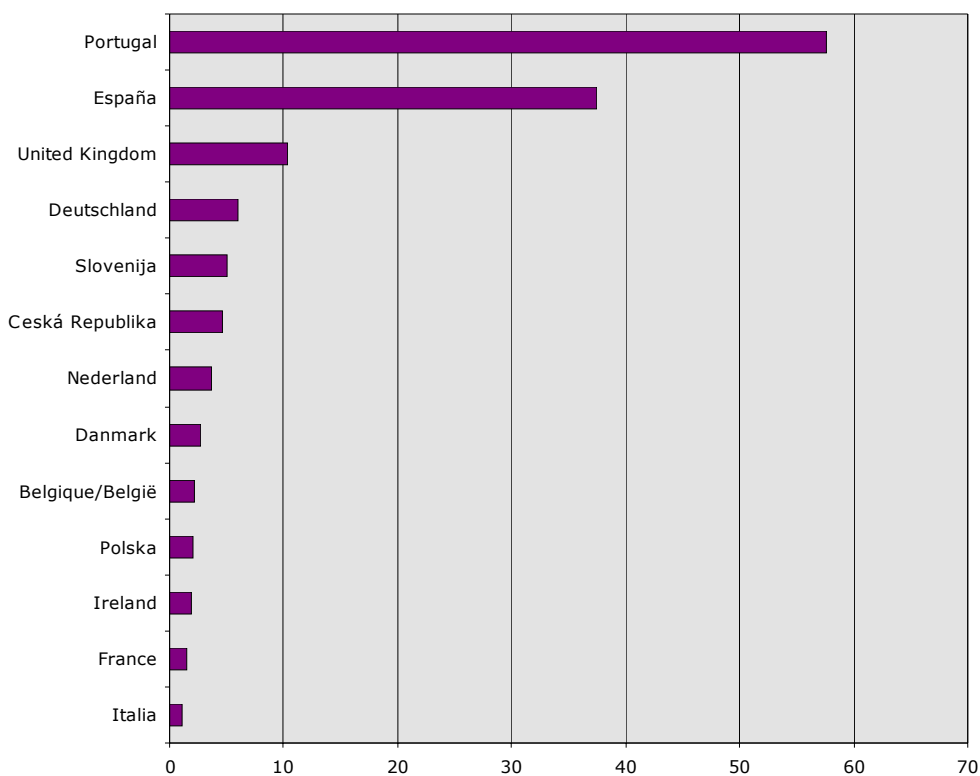


Chart B34: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2007 and born in 1999

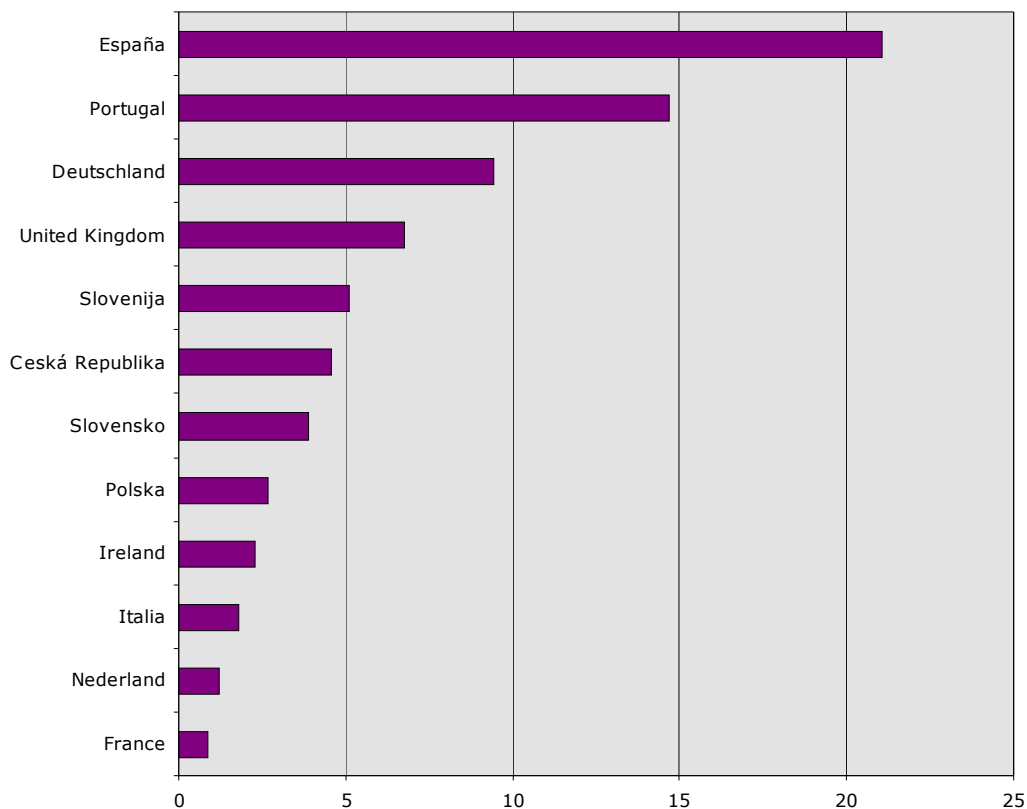
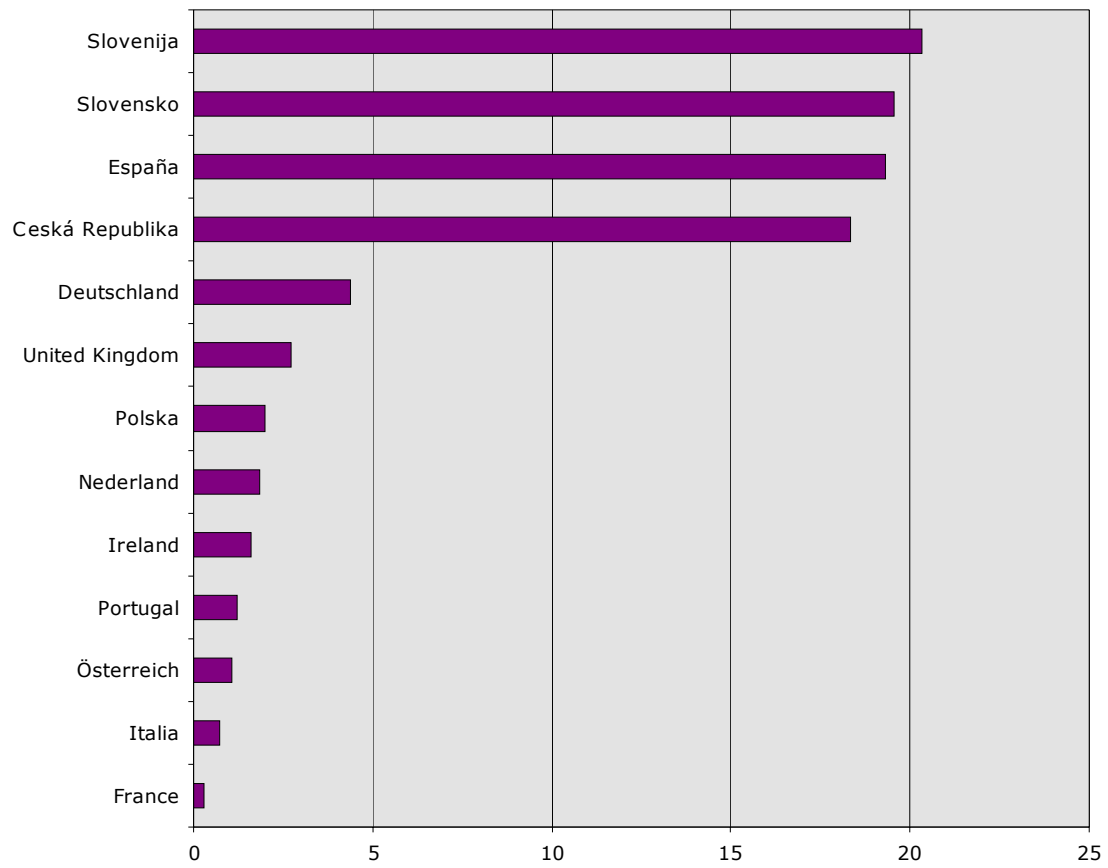


Chart B35: Prevalence (Cases/1 Mio Adult cattle pop.) detected from 2001 to 2006 and born in 2000



Report on the monitoring and testing of ruminants for the presence of TSE in 2007

Table B30: Age (months) and year of birth distribution in BSE cases born in 1996 or later reported in the period 2001-2007

	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	3
1998	2		3	49	99	75	42	28	8	
1999		2	7	46	56	56	32	8		
2000			6	47	53	32	9			
2001			6	7	10	2				
2002		2	2	1	3					
2003				1						
2004	1									

Table B31: Details on BSE positive cases < 60 months detected in 2007 in the EU

Age (Months)	Target Group	Member State	Date of Birth
28	Healthy slaughtered animals	Polska	12/2004
48	Healthy slaughtered animals	Polska	05/2003

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

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

Born in 2002			
Age (months)	Target Group	Member State	Date of birth
32	Fallen stock	Portugal	10/2002
32	Healthy slaughtered animals	Polska	6/2002
36	Eradication Measures	United Kingdom	5/2002
41	Fallen stock	España	1/2002
49	Healthy slaughtered animals	United Kingdom	08/2002
65	Fallen stock	Ireland	05/2002
67	Fallen stock	United Kingdom	04/2002
67	Fallen stock	United Kingdom	05/2002

Born in 2003			
Age (months)	Target Group	Member State	Date of birth
48	Healthy slaughtered animals	Polska	05/2003

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

5. SUMMARY OF TSE TESTING IN OVINE AND CAPRINE ANIMALS DURING 2007

The information is extracted directly from the monthly reports electronically submitted by the Member States in 2007 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 by 14 June 2007.

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

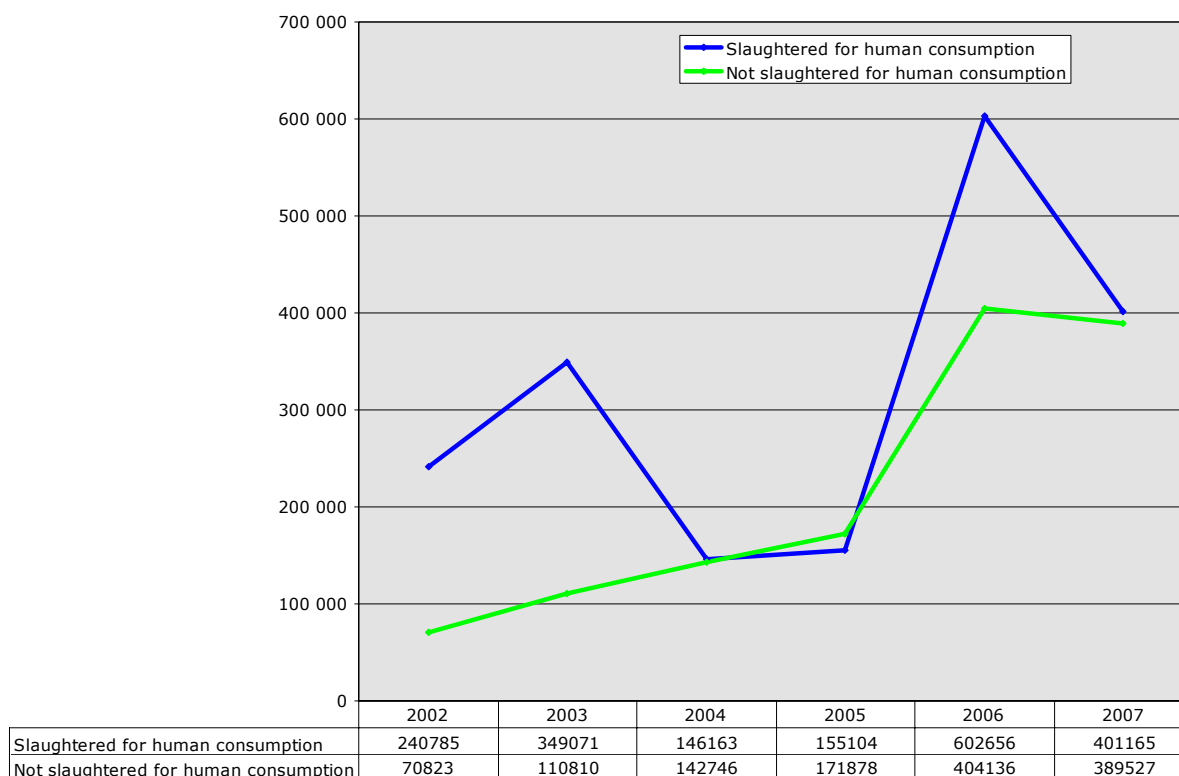


Chart SR2: Evolution of TSE testing in sheep in the EU 27

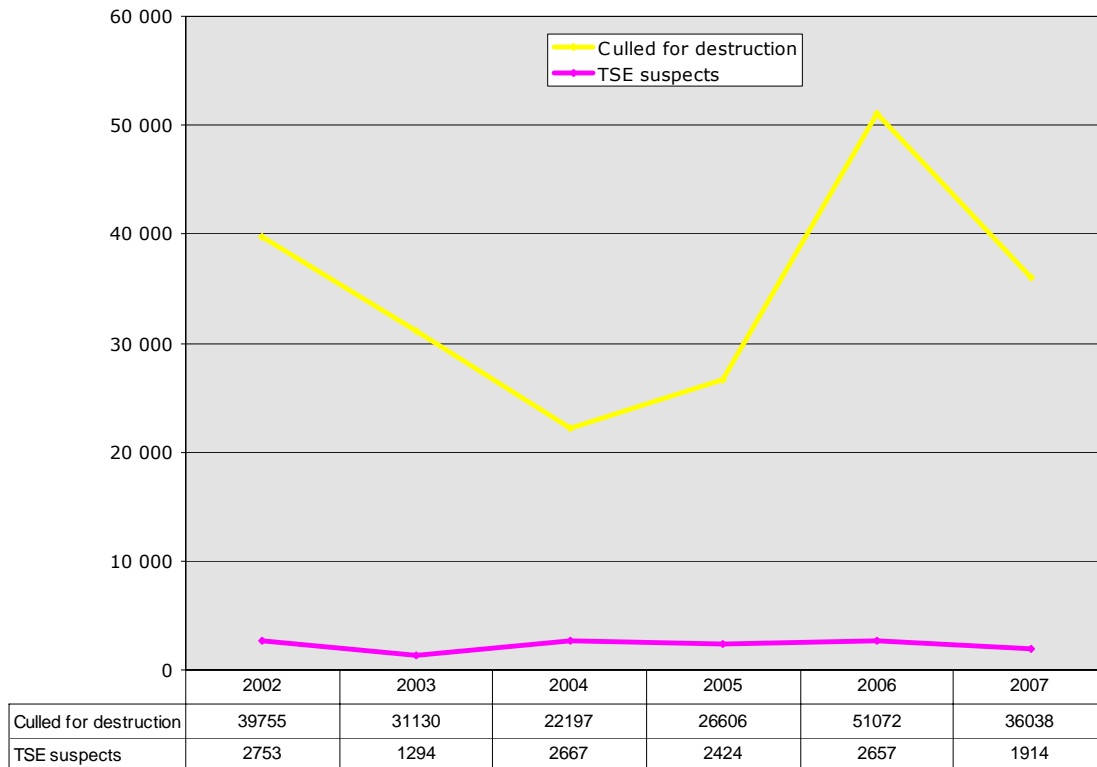


Chart SR3: Evolution of TSE testing in goats in the EU 27

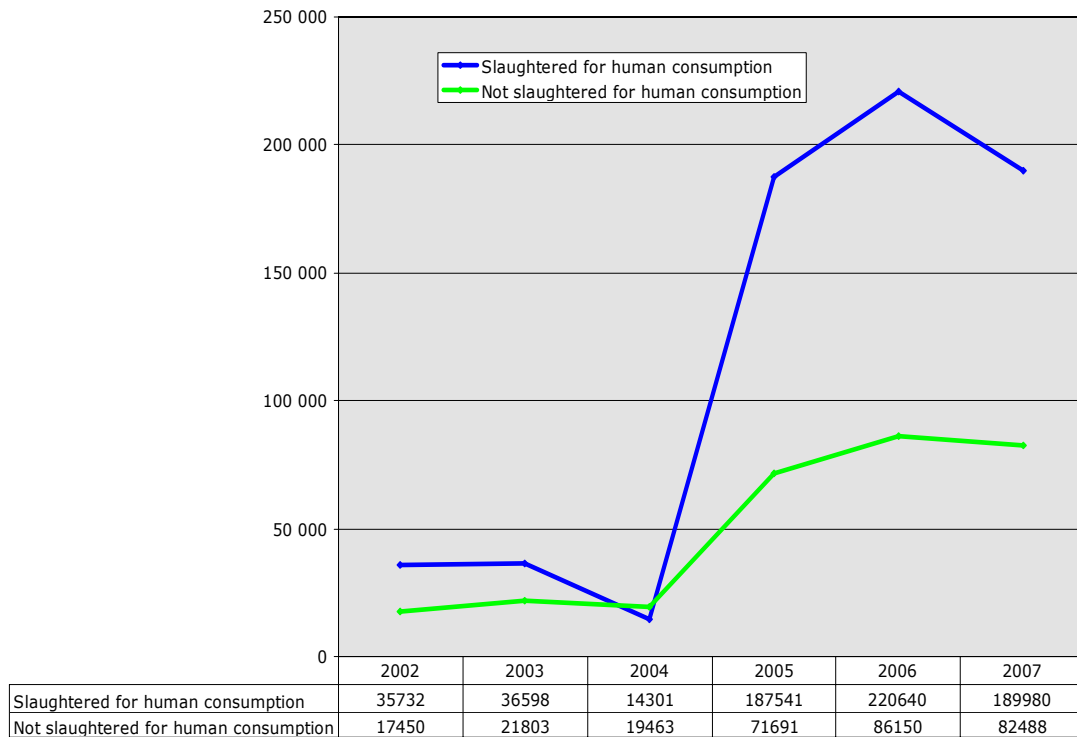
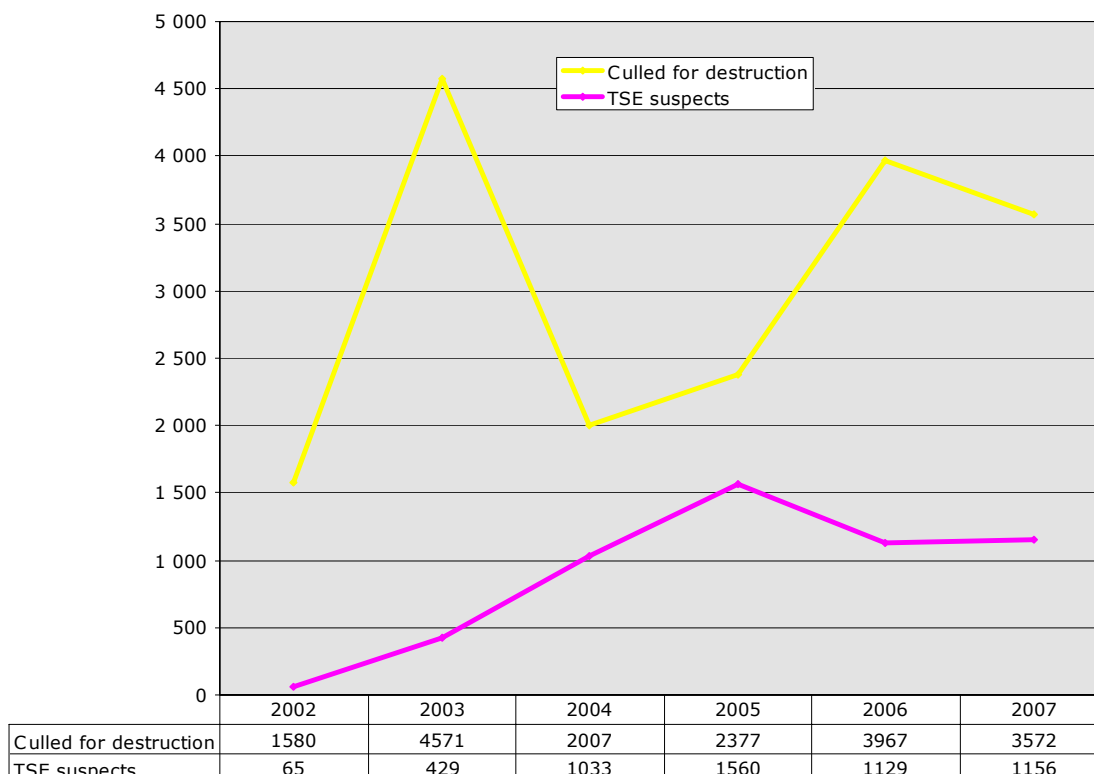


Chart SR4: Evolution of TSE testing in goats in the EU 27



Comments on sampling

Overall, the number of samples in sheep and goats decreased significantly in 2007 compared to 2006 as a consequence of Regulation (EC) No 727/2007, amending the TSE Regulation, which amended the requirements for the TSE monitoring programmes for small ruminants. The number of tests in animals culled in the framework of eradication measures in affected flocks remained stable or in a decreasing trend. The number of tests carried out in the framework of passive surveillance (official TSE suspects) remained stable in relation to 2006 and previous years. The important contribution of France in the total number of tests carried out must be noticed, with more than half of all samples taken in the EU.

5.2. Positive cases

Table SR1: Total TSE positive cases detected in ovine and caprine animals detected in 2007

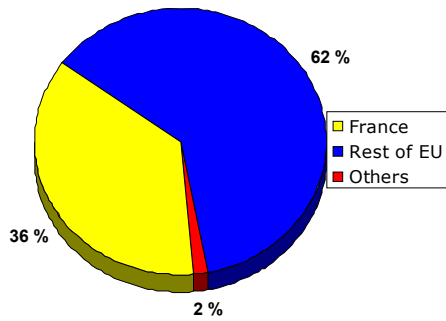
	Sheep		Goats	
	Animals tested	TSE Positives	Animals tested	TSE Positives
Belgique/België	9 310	3	754	0
Bulgaria	12 725	0	2 511	0
Česká Republika	2 829	1	163	0
Danmark	6 365	0	1 564	0
Deutschland	41 672	15	3 969	0
Eesti	2 918	0	55	0
Ellas	11 861	332	5 880	53
España	54 036	166	38 638	20
France	307 312	359	159 721	7
Ireland	45 435	80	156	0
Italia	95 837	249	24 514	6
Kypros	8 677	772	6 781	1 158
Latvija	1 456	0	66	0
Lietuva	2 781	0	94	0
Luxembourg	947	0	533	0
Magyarország	13 193	7	468	0
Malta	57	0	9	0
Nederland	31 151	38	15 770	0
Österreich	6 588	0	1 820	0
Polska	5 617	0	717	0
Portugal	85 101	95	8 634	0
România	13 839	28	618	2
Slovenija	2 047	12	429	0
Slovensko	8 358	8	83	0
Suomi/Finland	3 030	1	431	0
Sverige	9 944	4	86	0
United Kingdom	45 558	83	2 732	26
EU 27	828 644	2 253	277 196	1 272
Norway	12 798	9	3 479	0

Table SR2: Information on index cases

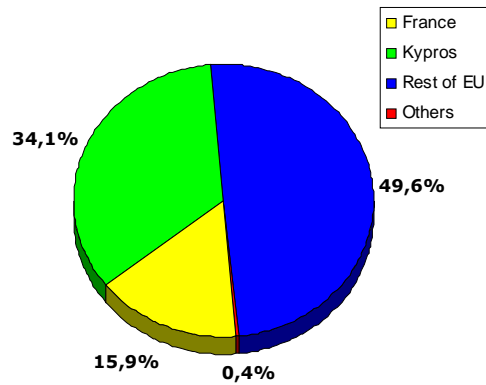
	Sheep			Goats		
	TSE positives			TSE positives		
	Reported as Index cases	Reported as not index cases	Reported as unknown	Reported as Index cases	Reported as not index cases	Reported as unknown
Belgique/België	3	0	0	0	0	0
Bulgaria	0	0	0	0	0	0
Česká Republika	0	0	1	0	0	0
Danmark	0	0	0	0	0	0
Deutschland	0	0	15	0	0	0
Eesti	0	0	0	0	0	0
Ellas	15	70	0	2	5	0
España	0	6	49	0	2	10
France	246	204	0	6	2	0
Ireland	15	60	0	0	0	0
Italia	87	157	0	4	3	0
Kypros	23	749	0	39	1 116	0
Latvija	0	0	0	0	0	0
Lietuva	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Magyarország	6	1	0	0	0	0
Malta	0	0	0	0	0	0
Nederland	25	0	0	0	0	0
Österreich	0	0	0	0	0	0
Polska	0	0	0	0	0	0
Portugal	0	0	0	0	0	0
România	8	20	0	1	1	0
Slovenija	1	11	0	0	0	0
Slovensko	1	7	0	0	0	0
Suomi/Finland	0	0	1	0	0	0
Sverige	2	0	0	0	0	0
United Kingdom	0	0	82	0	0	26
EU 27	432	1 285	148	52	1 129	36
Norway	9	0	0	0	0	0

Chart SR5: Distribution of TSE tests carried out and TSE cases detected in 2007

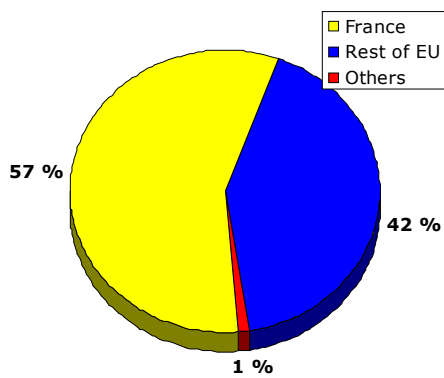
TSE tests in Sheep



TSE positive cases in Sheep



TSE tests in Goats



TSE positives in Goats

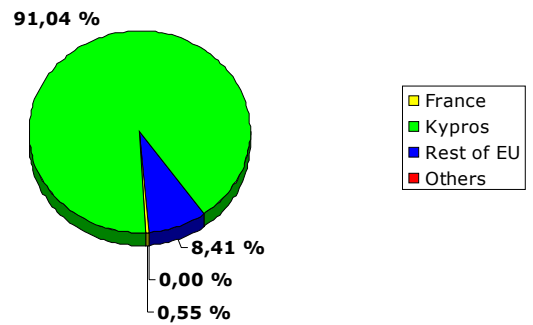


Table SR3: TSE Positives detected by active monitoring and passive surveillance (suspects) in ovine and caprine animals (except CY)

	Sheep				Goats			
	Population(*)	TSE positives		% detected by active monitoring	Population(*)	TSE positives		% detected by active monitoring
		Act. Mon.	Suspects			Act. Mon.	Suspects	
Belgique/België		3	0	100 %		0	0	
Bulgaria	1 292 200	0	0		431 900	0	0	
Česká Republika	166 000	1	0	100 %		0	0	
Danmark	76 000	0	0			0	0	
Deutschland	1 392 200	15	0	100 %		0	0	
Eesti	53 200	0	0		2 500	0	0	
Ellas	6 591 000	302	30	91 %	3 712 000	52	1	98 %
España	16 902 800	156	10	94 %	2 126 000	20	0	100 %
France	6 273 400	355	4	99 %	1 072 100	7	0	100 %
Ireland		69	11	86 %		0	0	
Italia	7 265 000	233	16	94 %	786 000	6	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	7	0	100 %	40 000	0	0	
Malta	10 700	0	0		5 300	0	0	
Nederland	1 285 000	38	0	100 %		0	0	
Österreich	229 000	0	0		39 500	0	0	
Polska	210 800	0	0		93 600	0	0	
Portugal	2 189 800	95	0	100 %	362 800	0	0	
România	7 207 000	20	8	71 %	713 500	1	1	50 %
Slovenija	90 800	12	0	100 %	19 000	0	0	
Slovensko	276 300	8	0	100 %	35 400	0	0	
Suomi/Finland	56 400	1	0	100 %	4 500	0	0	
Sverige	247 200	4	0	100 %		0	0	
United Kingdom	14 872 900	68	15	82 %		1	25	4 %
EU 27	67 725 400	1 387	94	94 %	9 465 000	87	27	76 %
Norway		9	0	100 %		0	0	

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

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio(*)			Total tests	Total TSE cases	Ratio(*)		
			2007	2006	2005			2007	2006	2005
Belgique/België	6 757	2	3,0	1,4	0,0	534	0	0,0	0,0	0,0
Bulgaria	9 921	0	0,0	0,0	0,0	1 765	0	0,0	0,0	0,0
Česká Republika	1 626	1	6,2	0,0		55	0	0,0	0,0	
Danmark	67	0	0,0	2,7	0,0	30	0	0,0	0,0	0,0
Deutschland	13 349	2	1,5	1,9	6,7	1 599	0	0,0	0,0	0,0
Eesti	2 289	0	0,0	0,0		41	0	0,0	0,0	
Ellas	5 694	11	19,3	27,6	29,0	3 278	3	9,2	2,0	5,8
España	33 695	17	5,0	5,3	10,5	27 790	5	1,8	1,6	1,1
France	71 187	37	5,2	4,9	9,0	105 382	1	0,1	0,0	0,2
Ireland	26 958	3	1,1	2,3	1,9	0	0	0,0	0,0	0,0
Italia	73 811	47	6,4	6,3	7,1	19 453	1	0,5	4,2	2,0
Kypros	6 941	251	361,6	829,6		5 257	254	483,2	386,9	
Latvija	1 408	0	0,0	0,0		34	0	0,0	0,0	
Lietuva	2 514	0	0,0	0,0		66	0	0,0	0,0	
Luxembourg	231	0	0,0	0,0	0,0	423	0	0,0	0,0	0,0
Magyarország	5 330	3	5,6	4,7		146	0	0,0	0,0	
Malta	18	0	0,0	0,0					0,0	
Nederland	15 813	12	7,6	6,5	15,7	14 970	0	0,0	0,0	0,0
Österreich	533	0	0,0	0,0	0,0	125	0	0,0	0,0	0,0
Polska	3 012	0	0,0	0,0		28	0	0,0	0,0	
Portugal	66 137	58	8,8	9,7	6,2	6 943	0	0,0	0,0	0,0
România	12 735	4	3,1	3,0	0,0	457	0	0,0	0,0	0,0
Slovenija	323	3	92,9	0,0	0,0	51	0	0,0	0,0	0,0
Slovensko	4 469	5	11,2	16,4	80,0	1	0	0,0	0,0	0,0
Suomi/Finland	1 944	0	0,0	3,6	0,0	77	0	0,0	0,0	0,0
Sverige	7 427	2	2,7	7,9	0,0	8	0	0,0	0,0	0,0
United Kingdom	26 976	29	10,8	8,3	25,4	1 467	0	0,0	3,9	0,0
EU 27	401 165	487	12,1	11,4	15,7	189 980	264	13,9	9,5	3,6
EU 27-CY	394 224	236	6,0	5,6		184 723	10	0,5	0,6	
Norway	8 977	2	2,2	3,9	1,8	3 069	0	0,0	0,0	0,0

(*): cases per 10 000 tests

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

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio(*)			Total tests	Total TSE cases	Ratio(*)		
			2007	2006	2005			2007	2006	2005
Belgique/België	2 388	1	4,2	7,1	13,8	196	0	0,0	0,0	0,0
Bulgaria	2 804	0	0,0	0,0	0,0	746	0	0,0	0,0	0,0
Česká Republika	1 144	0	0,0	0,0		108	0	0,0	0,0	
Danmark					0,0				0,0	0,0
Deutschland	26 976	13	4,8	8,1	6,1	2 315	0	0,0	0,0	0,0
Eesti	629	0	0,0	0,0		14	0	0,0	0,0	
Ellas	3 263	80	245,2	394,8	626,2	2 016	10	49,6	42,9	141,9
España	17 283	17	9,8	8,4	12,8	10 404	8	7,7	1,7	2,5
France	222 909	183	8,2	10,5	18,7	53 630	4	0,7	2,3	2,7
Ireland	16 154	23	14,2	25,3	19,3	149	0	0,0	0,0	0,0
Italia	18 031	58	32,2	70,8	20,2	4 808	4	8,3	5,8	11,1
Kypros	403	91	2258,1	238,1		499	336	6733,5	500,0	
Latvija	48	0	0,0	0,0		32	0	0,0	0,0	
Lietuva	267	0	0,0	0,0		28	0	0,0	0,0	
Luxembourg	716	0	0,0	0,0	0,0	110	0	0,0	0,0	0,0
Magyarország	6 834	3	4,4	7,1		259	0	0,0	0,0	
Malta	39	0	0,0	0,0		9	0	0,0	0,0	
Nederland	14 990	13	8,7	14,8	22,8	800	0	0,0	0,0	0,0
Österreich	6 055	0	0,0	0,0	0,0	1 695	0	0,0	0,0	0,0
Polska	2 604	0	0,0	0,0		689	0	0,0	0,0	
Portugal	18 962	37	19,5	13,0	11,8	1 691	0	0,0	0,0	0,0
România	954	12	125,8	31,2	0,0	160	1	62,5	0,0	0,0
Slovenija	1 522	6	39,4	75,0	24,3	378	0	0,0	0,0	0,0
Slovensko	3 889	3	7,7	11,2	29,6	82	0	0,0	0,0	0,0
Suomi/Finland	1 076	1	9,3	10,9	11,1	354	0	0,0	0,0	90,1
Sverige	2 495	2	8,0	8,1	3,1	78	0	0,0	0,0	0,0
United Kingdom	17 092	37	21,6	26,3	54,8	1 238	1	8,1	4,0	30,1
EU 27	389 527	580	14,9	24,9	24,9	86 150	364	44,1	3,0	7,8
EU 27-CY	389 124	489	12,6	24,3		86 110	28	3,4	2,8	
Norway	3 628	7	15,9	10,9	2,8	410	0	0,0	29,0	0,0

(*): cases per 10 000 tests

Table SR6: TSE cases in suspect ovine and caprine animals

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio(*)			Total tests	Total TSE cases	Ratio(*)		
			2007	2006	2005			2007	2006	2005
Belgique/België	59	0	0,0	0,0	0,0	19	0	0,0	0,0	0,0
Bulgaria	0	0				0	0		0,0	0,0
Česká Republika	59	0	0,0	0,0		0	0		0,0	
Danmark	1	0	0,0	0,0	0,0	0	0		0,0	0,0
Deutschland	42	0	0,0	0,0	0,0	14	0	0,0	0,0	0,0
Eesti	0	0				0	0		0,0	
Ellas	118	30	2542,4	3238,6	3576,8	3	1	3333,3	1428,6	3928,6
España	20	10	5000,0	740,7	2105,3	0	0	0,0	0,0	0,0
France	11	4	3636,4	4615,4	5909,1	1	0	0,0	0,0	0,0
Ireland	20	11	5500,0	5714,3	8333,3	0	0		0,0	0,0
Italia	149	16	1073,8	10000,0	8857,1	58	0	0,0	0,0	0,0
Kypros	1 333	430	3225,8	5342,8		1 025	568	5541,5	5073,3	
Latvija	0	0				0	0		0,0	
Lietuva	0	0				0	0		0,0	
Luxembourg	0	0				0	0		0,0	0,0
Magyarország	18	0	0,0	0,0		8	0	0,0	0,0	
Malta	0	0				0	0		0,0	
Nederland	0	0	0,0	5000,0	0,0	0	0	0,0	0,0	0,0
Österreich	0	0			0,0	0	0		0,0	0,0
Polska	1	0	0,0			0	0	0,0	0,0	
Portugal	2	0	0,0	0,0	0,0	0	0		0,0	0,0
România	49	8	1632,7		0,0	1	1	10000,0	0,0	0,0
Slovenija	0	0		3333,3	0,0	0	0		0,0	0,0
Slovensko	0	0			0,0	0	0		0,0	0,0
Suomi/Finland	0	0			0,0	0	0		0,0	0,0
Sverige	0	0		1000,0	0,0	0	0		0,0	0,0
United Kingdom	32	15	4687,5	4978,0	5559,0	27	25	9259,3	10000,0	0,0
EU 27	1 914	524	2737,7	4084,2	4084,2	1 156	595	5147,1	4721,0	2076,9
EU 27-CY	581	94	1617,9	3381,3	3856,0	131	27	2061,1	1320,8	
Norway	15	0	0,0	0,0	1250,0	0	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

	Sheep					Goats				
	Total tests	Total TSE cases	Ratio(*)			Total tests	Total TSE cases	Ratio(*)		
			2007	2006	2005			2007	2006	2005
Belgique/België	106	0	0,0	0,0	0,0	5	0	0,0	0,0	0,0
Bulgaria	0	0				0	0		0,0	0,0
Česká Republika	0	0		0,0		0	0		0,0	
Danmark	6 297	0	0,0		0,0	1 534	0	0,0	0,0	0,0
Deutschland	1 305	0	0,0	48,1	48,1	41	0	0,0	0,0	0,0
Eesti	0	0				0	0		0,0	
Ellas	2 786	211	757,4	0,0	0,0	583	39	669,0	162,2	420,6
España	3 038	122	401,6	157,5	157,5	444	7	157,7	26,4	106,4
France	13 205	135	102,2	236,2	236,2	708	2	28,2	43,8	182,8
Ireland	2 303	43	186,7	143,7	143,7	7	0	0,0	0,0	0,0
Italia	3 846	128	332,8	542,8	542,8	195	1	51,3	78,0	25,9
Kypros	0	0				0	0		0,0	
Latvija	0	0				0	0		0,0	
Lietuva	0	0				0	0		0,0	
Luxembourg	0	0				0	0		0,0	0,0
Magyarország	1 011	1	9,9			55	0	0,0	0,0	
Malta	0	0				0	0		0,0	
Nederland	348	13	373,6	265,2	265,2	0	0	0,0	0,0	0,0
Österreich	0	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
Slovenija	202	3	148,5	3159,6	3159,6	0	0		0,0	350,9
Slovensko	0	0		0,0	0,0	0	0		0,0	0,0
Suomi/Finland	10	0	0,0	0,0	0,0	0	0		0,0	84,4
Sverige	22	0	0,0	0,0	0,0	0	0		0,0	0,0
United Kingdom	1 458	2	13,7	384,6	384,6	0	0		0,0	0,0
EU 27	35 937	658	183,1	181,3	283,8	3 572	49	137,2	55,5	159,9
EU 27-CY	35 937	658	183,1	181,3	283,8	3 572	49	137,2	55,5	159,9
Norway	178	0	0,0	0,0	0,0	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

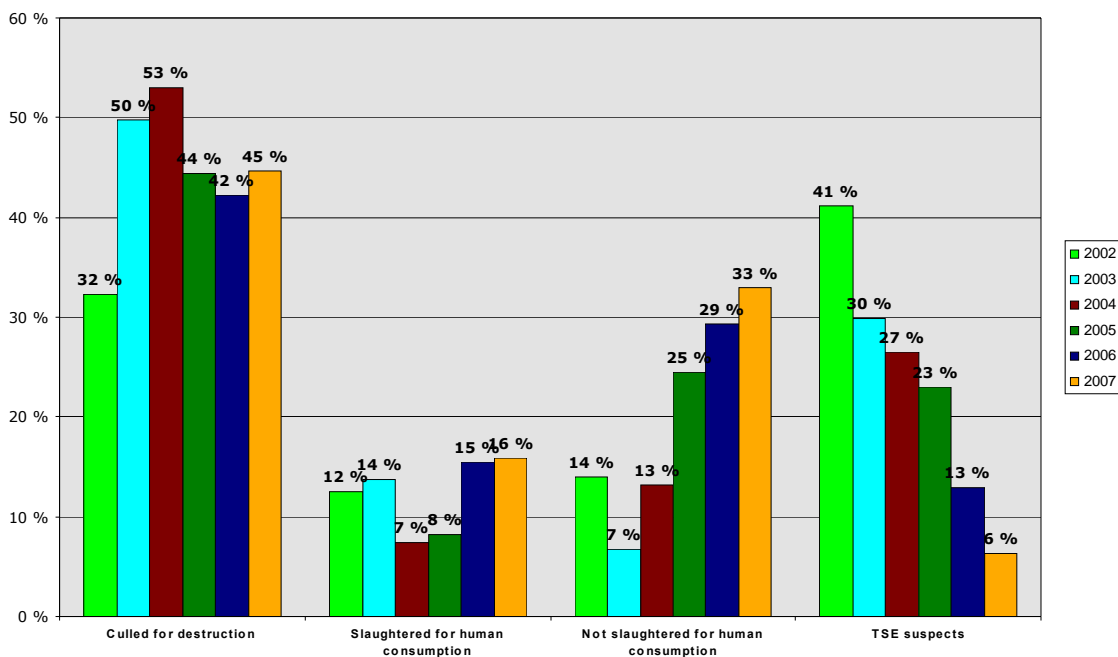


Chart SR7: Prevalence in tested animals (cases per 10 000 tested) of positives in ovine animals slaughtered for human consumption in affected Member States (and Norway) from 2002 to 2007

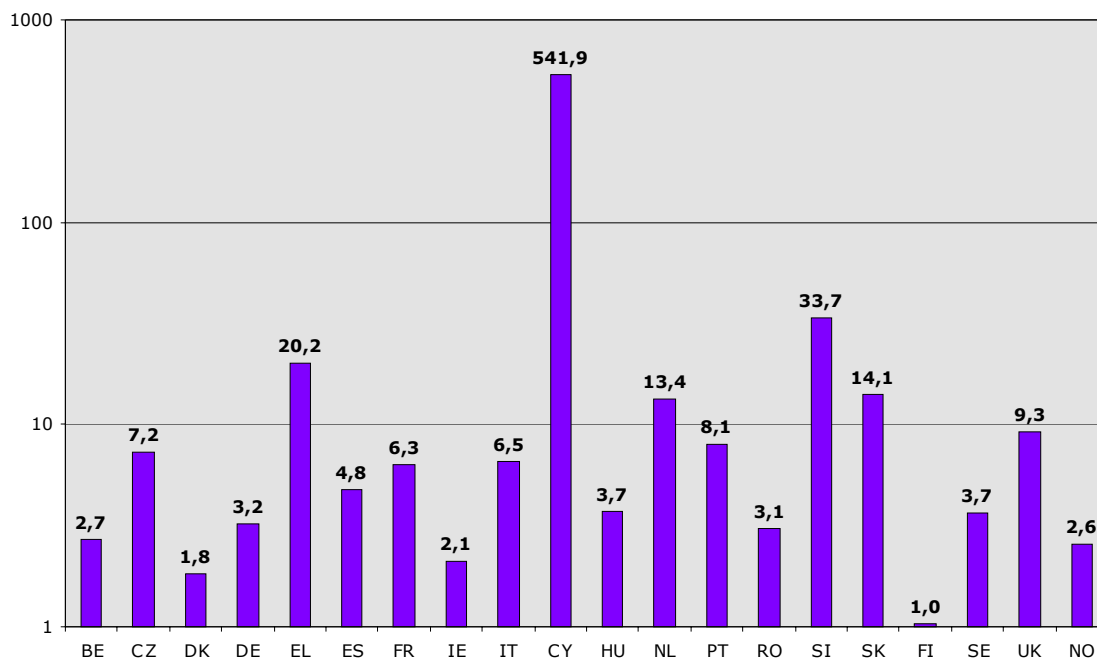


Chart SR8: Prevalence in tested animals (cases per 10 000 tested) of positives in ovine animals not slaughtered for human consumption (risk animals) in affected Member States (and Norway) from 2002 to 2007

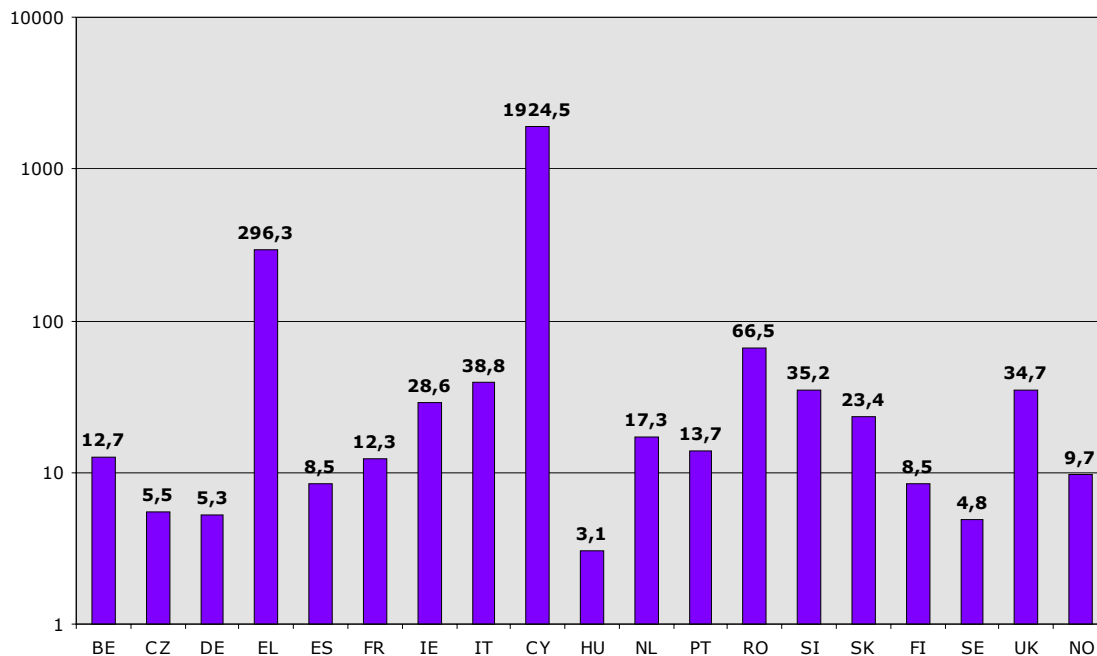


Chart SR9: Prevalence in tested animals (cases per 10 000 tested) of TSE in healthy slaughtered and risk ovine animals in the EU 27 (except Cyprus) from 2002 to 2007

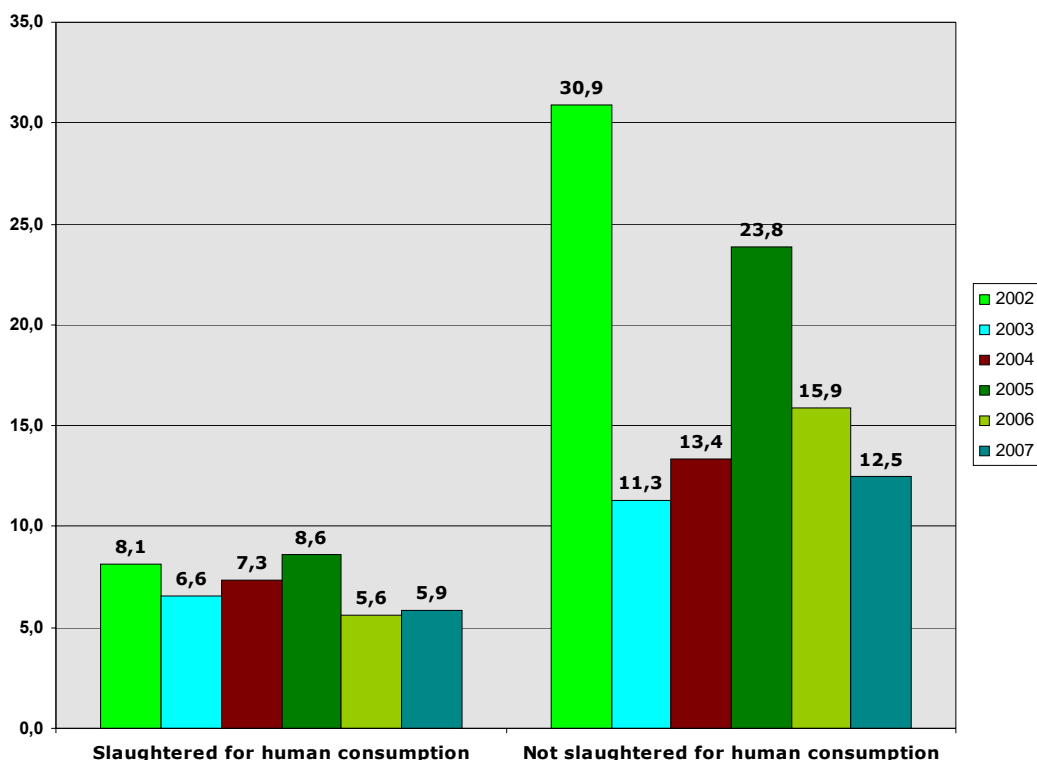


Chart SR10: Prevalence in tested animals (cases per 10 000 tested) of TSE in healthy slaughtered and risk caprine animals in the EU 27 (except Cyprus) from 2002 to 2007

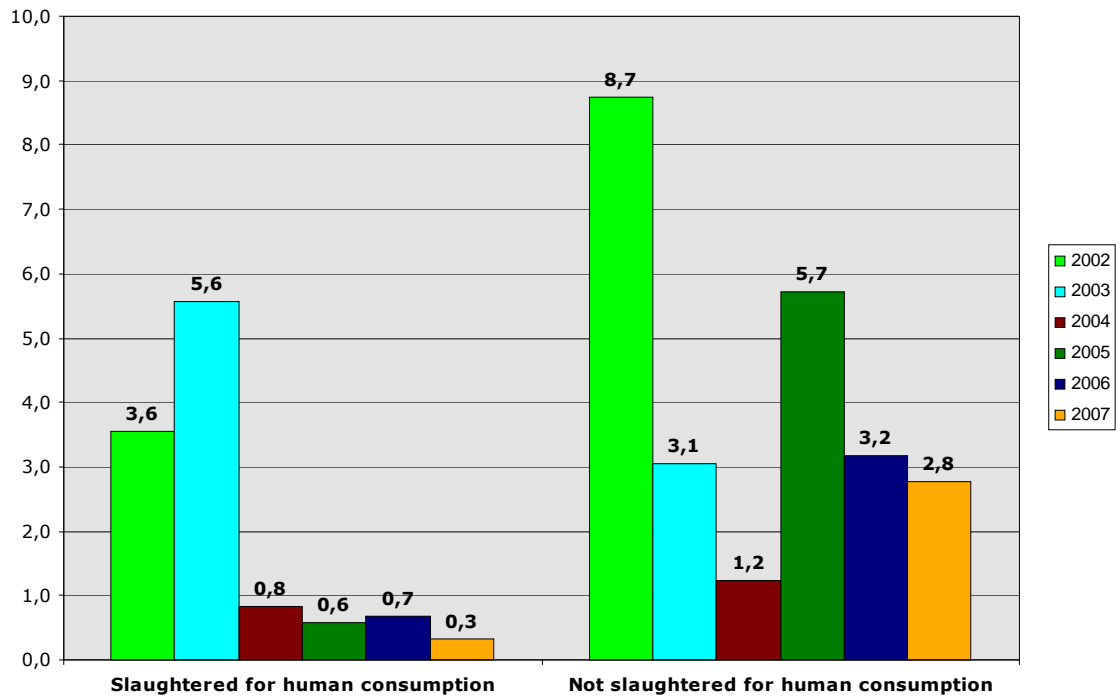
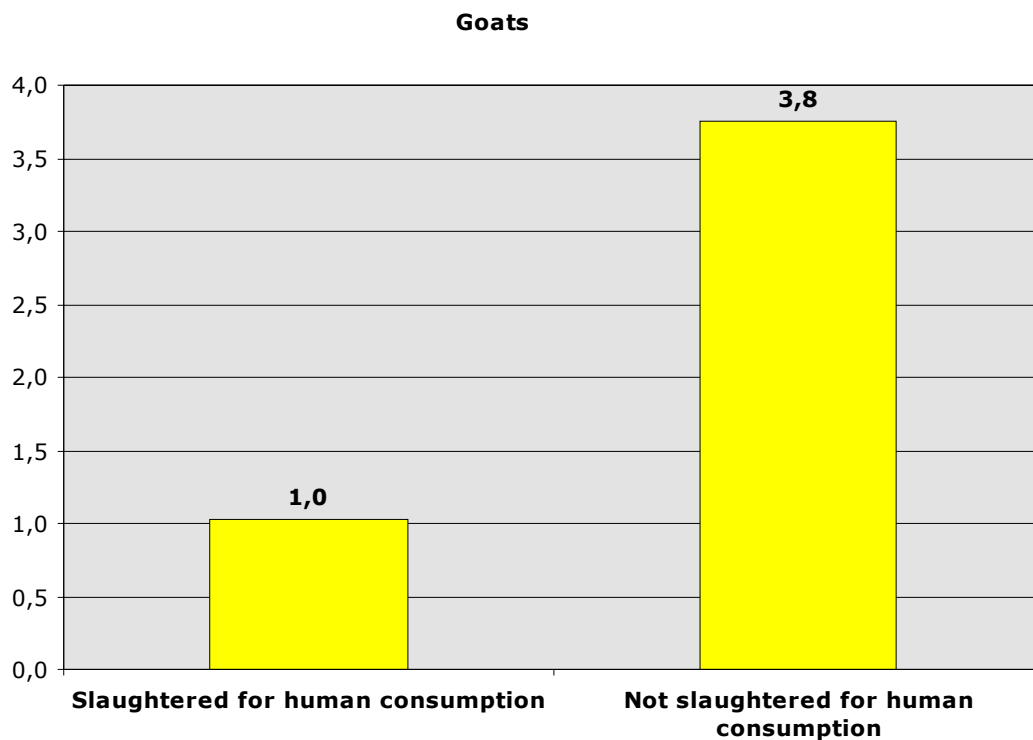
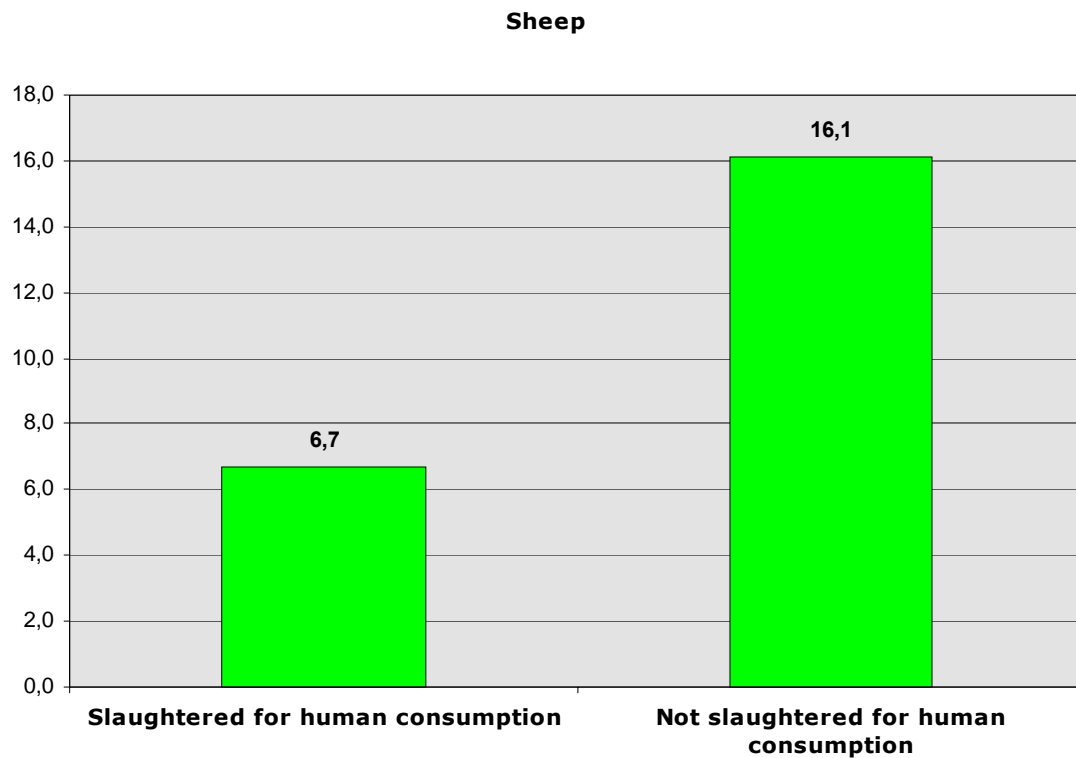


Chart SR11: Comparison of prevalence of TSE in small ruminants in the main target groups in the EU (except Cyprus) from 2002 to 2007



Comments on positive cases

The number of TSE cases detected in sheep in 2006 significantly increased as a consequence of the increased monitoring, however the prevalence in animals tested (ratio of positive cases per 10 000 tests performed) in both healthy slaughtered animals and fallen stock target groups was lower compared with 2005. The prevalence of TSE cases in tested animals was also lower in goats, in both target groups, compared with 2005. The number of TSE cases in goats slightly increased.

There is still no clear trend with regard to 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) seems to be 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. It should however be taken into account that the Cypriot data on risk animals and suspects include sampling from infected flocks while this was not the case in the other Member States.

5.3. Atypical cases

Table SR8: TSE cases in small ruminants reported as atypical

	Sheep											
	2004			2005			2006			2007		
	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%
Belgique/België	11	1	9 %	2	1	50 %	3	3	100 %	3	2	67 %
Česká Republika	9	0	0 %	1	0	0 %	0	0	-	1	0	0 %
Danmark	0	0	-	0	0	-	3	3	100 %	0	0	-
Deutschland	100	0	0 %	46	0	0 %	24	0	0 %	15	9	60 %
Ellas	71	0	0 %	258	0	0 %	296	2	1 %	332	1	0 %
España	48	1	2 %	116	2	2 %	135	21	16 %	166	24	14 %
France	459	9	2 %	311	13	4 %	747	188	25 %	359	158	44 %
Ireland	101	2	2 %	51	0	0 %	123	0	0 %	80	1	1 %
Italia	139	0	0 %	338	7	2 %	320	15	5 %	249	22	9 %
Kypros	1 208	0	0 %	715	0	0 %	1 327	0	0 %	772	0	0 %
Magyarország	0	0	-	0	0	-	7	5	71 %	7	3	43 %
Nederland	105	0	0 %	64	2	3 %	84	0	0 %	38	2	5 %
Portugal	28	28	100 %	57	57	100 %	65	65	100 %	95	95	100 %
România	n/a	n/a	-	n/a	n/a	-	9	0	0 %	28	0	0 %
Slovenija	11	0	0 %	101	0	0 %	40	0	0 %	12	0	0 %
Slovensko	31	0	0 %	9	0	0 %	10	1	10 %	8	0	0 %
Suomi/Finland	1	1	100 %	1	1	100 %	2	2	100 %	1	1	100 %
Sverige	2	2	100 %	1	1	100 %	8	8	100 %	4	2	50 %
United Kingdom	331	17	5 %	350	30	9 %	313	67	21 %	83	40	48 %
EU 27	2 655	61	2 %	2 421	114	5 %	3 516	380	11 %	2 253	360	16 %
Norway	16	14	88 %	4	4	100 %	15	8	53 %	9	9	100 %

	Goats											
	2004			2005			2006			2007		
	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%	Total cases	Atypicals	%
Ellas	15	0	0 %	35	0	0 %	22	0	0 %	53	0	0 %
España	0	0	-	10	0	0 %	11	5	45 %	20	5	25 %
France	27	0	0 %	32	6	19 %	15	1	7 %	7	4	57 %
Italia	2	0	0 %	9	3	33 %	17	6	35 %	6	3	50 %
Kypros	354	0	0 %	387	0	0 %	713	0	0 %	1 158	0	0 %
România	n/a	n/a	-	n/a	-	-	0	0	-	2	0	0 %
Slovenija	0	0	-	4	0	0 %	0	0	-	0	0	-
Suomi/Finland	0	0	-	4	0	0 %	0	0	-	0	0	-
United Kingdom	0	0	-	4	0	0 %	13	0	0 %	26	0	0 %
EU 27	398	0	0 %	485	9	2 %	791	12	2 %	1 272	12	1 %
Norway	0	0	-	0	0	-	1	1	100 %	0	0	-

Table SR9: Prevalence in animals tested of TSE cases reported as atypical in ovine animals

	Sheep											
	2004			2005			2006			2007		
	Animals tested	Atypicals	Ratio(*)	Animals tested	Atypicals	Ratio(*)	Animals tested	Atypicals	Ratio(*)	Animals tested	Atypicals	Ratio(*)
Belgique/België	1 920	1	5,2	1 477	1	6,8	10 248	3	2,9	9 310	2	2,1
Bulgaria	1 145	0	0,0	6 934	0	0,0	10 589	0	0,0	12 725	0	0,0
Česká Republika	1 036	0	0,0	448	0	0,0	1 099	0	0,0	2 829	0	0,0
Danmark	5 349	0	0,0	4 394	0	0,0	8 067	3	3,7	6 365	0	0,0
Deutschland	85 307	0	0,0	48 238	0	0,0	44 123	0	0,0	41 672	9	2,2
Eesti	410	0	0,0	1 251	0	0,0	2 403	0	0,0	2 918	0	0,0
Ellas	8 891	0	0,0	6 629	0	0,0	11 031	2	1,8	11 861	1	0,8
España	27 780	1	0,4	33 840	2	0,6	94 057	21	2,2	54 036	24	4,4
France	34 895	9	2,6	44 524	13	2,9	507 887	188	3,7	307 312	158	5,1
Ireland	21 807	2	0,9	22 739	0	0,0	59 025	0	0,0	45 435	1	0,2
Italia	24 569	0	0,0	27 889	7	2,5	60 530	15	2,5	95 837	22	2,3
Kypros	2 160	0	0,0	3 337	0	0,0	6 108	0	0,0	8 677	0	0,0
Latvija	37	0	0,0	43	0	0,0	888	0	0,0	1 456	0	0,0
Lietuva	234	0	0,0	1 028	0	0,0	1 826	0	0,0	2 781	0	0,0
Luxembourg	424	0	0,0	666	0	0,0	530	0	0,0	947	0	0,0
Magyarország	5 965	0	0,0	9 074	0	0,0	12 759	5	3,9	13 193	3	2,3
Malta	172	0	0,0	256	0	0,0	340	0	0,0	57	0	0,0
Nederland	20 103	0	0,0	20 015	2	1,0	37 030	0	0,0	31 151	2	0,6
Österreich	2 577	0	0,0	4 297	0	0,0	5 947	0	0,0	6 588	0	0,0
Polska	667	0	0,0	0	0	0,0	2 563	0	0,0	5 617	0	0,0
Portugal	44 224	28	6,3	72 516	57	7,9	63 711	65	10,2	85 101	95	11,2
România	n/a	n/a		n/a	n/a		14 867	0	0,0	13 839	0	0,0
Slovenija	1 057	0	0,0	2 185	0	0,0	2 040	0	0,0	2 047	0	0,0
Slovensko	1 838	0	0,0	2 623	0	0,0	7 532	1	1,3	8 358	0	0,0
Suomi/Finland	1 342	1	7,5	1 337	1	7,5	3 834	2	5,2	3 030	1	3,3
Sverige	3 217	2	6,2	3 273	1	3,1	8 786	8	9,1	9 944	2	2,0
United Kingdom	16 822	17	10,1	37 261	30	8,1	82 701	67	8,1	45 558	40	8,8
EU 27	313 948	61	1,9	356 274	114	3,2	1 060 521	380	3,6	828 644	360	4,3
Norway	14 465	14	9,7	14 760	4	2,7	15 356	8	5,2	12 798	9	7,0

(*) : cases per 10 000 tests

Table SR10: Prevalence in animals tested of TSE cases reported as atypical in caprine animals

	Goats											
	2004			2005			2006			2007		
	Animals tested	Atypicals	Ratio(*)	Animals tested	Atypicals	Ratio(*)	Animals tested	Atypicals	Ratio(*)	Animals tested	Atypicals	Ratio(*)
Belgique/België	272	0	0,0	908	0	0,0	1 063	0	0,0	754	0	0,0
Bulgaria	724	0	0,0	1 867	0	0,0	2 640	0	0,0	2 511	0	0,0
Česká Republika	86	0	0,0	216	0	0,0	113	0	0,0	163	0	0,0
Danmark	1 320	0	0,0	1 150	0	0,0	1 716	0	0,0	1 564	0	0,0
Deutschland	5 742	0	0,0	4 667	0	0,0	4 604	0	0,0	3 969	0	0,0
Eesti	0	0	0,0	17	0	0,0	61	0	0,0	55	0	0,0
Ellas	3 628	0	0,0	4 585	0	0,0	7 081	0	0,0	5 880	0	0,0
España	3 678	0	0,0	39 973	0	0,0	56 899	5	0,9	38 638	5	1,3
France	6 923	0	0,0	149 986	6	0,4	162 822	1	0,1	159 721	4	0,3
Ireland	1	0	0,0	79	0	0,0	208	0	0,0	156	0	0,0
Italia	3 654	0	0,0	28 528	3	1,1	27 916	6	2,1	24 514	3	1,2
Kypros	1 335	0	0,0	3 387	0	0,0	6 025	0	0,0	6 781	0	0,0
Latvija	1	0	0,0	40	0	0,0	17	0	0,0	66	0	0,0
Lietuva	4	0	0,0	6	0	0,0	27	0	0,0	94	0	0,0
Luxembourg	77	0	0,0	210	0	0,0	450	0	0,0	533	0	0,0
Magyarország	332	0	0,0	267	0	0,0	217	0	0,0	468	0	0,0
Malta	34	0	0,0	65	0	0,0	47	0	0,0	9	0	0,0
Nederland	620	0	0,0	20 160	0	0,0	25 583	0	0,0	15 770	0	0,0
Österreich	358	0	0,0	1 199	0	0,0	1 611	0	0,0	1 820	0	0,0
Polska	0	0	0,0	0	0	0,0	167	0	0,0	717	0	0,0
Portugal	7 287	0	0,0	5 638	0	0,0	6 367	0	0,0	8 634	0	0,0
România	n/a	n/a	0,0					0	0,0	618	0	0,0
Slovenija	261	0	0,0	591	0	0,0	386	0	0,0	429	0	0,0
Slovensko	5	0	0,0	105	0	0,0	68	0	0,0	83	0	0,0
Suomi/Finland	261	0	0,0	830	0	0,0	516	0	0,0	431	0	0,0
Sverige	89	0	0,0	266	0	0,0	248	0	0,0	86	0	0,0
United Kingdom	147	0	0,0	2 645	0	0,0	5 034	0	0,0	2 732	0	0,0
EU 27	36 839	0	0,0	267 385	9	0,3	311 886	12	0,4	277 196	12	0,4
Norway	304	0	0,0	2 804	0	0,0	5 699	1	1,8	3 479	0	0,0

(*): cases per 10 000 tests

Comments on atypical cases

Atypical TSE cases were demonstrated in several Member States and represented a considerable percentage of, if not all, TSE cases in some Member States. Results from 2004 seem to indicate an increasing trend in the prevalence of atypical cases in tested animals in the EU 27, 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 in 2004, 2005, 2006 and 2007 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 2006 (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
Belgique/België	3	3	0	0
Deutschland	19	19	0	0
Ellas	81	81	0	0
España	55	55	0	0
France	333	332	0	1
Ireland	28	28	0	0
Italia	244	244	0	0
Kypros	59	59	0	0
Magyarország	7	7	0	0
Nederland	25	25	0	0
România	28	28	0	0
Slovenija	13	13	0	0
Slovensko	8	8	0	0
Sverige	2	2	0	0
United Kingdom	82	82	0	0
EU 27	987	986	0	1
Norway	9	9	0	0

	Goats			
	Total	Excluding BSE	BSE like	Inconclusive
Ellas	7	7	0	0
España	11	11	0	0
France	7	7	0	0
Italia	7	7	0	0
Kypros	52	52	0	0
România	2	2	0	0
United Kingdom	26	26	0	0
EU 27	112	112	0	0

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

		<1997	1997	1998	1999	2000	2001	2002	2003	2004	2005	Total
Belgique/België	No of cases	1	0	0	0	0	0	1	1	0	0	3
	% of known	33 %	0%	0%	0%	0%	0%	33 %	33 %	0%	0%	
Česká Republika	No of cases	0	1	0	0	0	0	0	0	0	0	1
	% of known	0%	100 %	0%	0%	0%	0%	0%	0%	0%	0%	
Deutschland	No of cases	0	0	1	0	0	0	2	2	0	6	11
	% of known	0%	0%	9 %	0%	0%	0%	18 %	18 %	0%	55 %	
Ellas	No of cases	0	0	0	0	1	3	10	15	43	14	86
	% of known	0%	0%	0%	0%	1 %	3 %	12 %	17 %	50 %	16 %	
España	No of cases	0	3	1	2	10	4	8	19	12	10	69
	% of known	0%	4 %	1 %	3 %	14 %	6 %	12 %	28 %	17 %	14 %	
France	No of cases	10	12	16	31	27	24	23	62	9	214	428
	% of known	2 %	3 %	4 %	7 %	6 %	6 %	5 %	14 %	2 %	50 %	
Ireland	No of cases	0	0	0	0	1	0	8	15	19	26	69
	% of known	0%	0%	0%	0%	1 %	0%	12 %	22 %	28 %	38 %	
Italia	No of cases	2	5	2	10	14	27	33	56	41	50	240
	% of known	1 %	2 %	1 %	4 %	6 %	11 %	14 %	23 %	17 %	21 %	
Kypros	No of cases	0	2	6	26	49	47	54	149	276	145	754
	% of known	0%	0 %	1 %	3 %	6 %	6 %	7 %	20 %	37 %	19 %	
Magyarország	No of cases	0	0	0	0	1	1	1	2	1	1	7
	% of known	0%	0%	0%	0%	14 %	14 %	14 %	29 %	14 %	14 %	
Nederland	No of cases	0	0	0	0	1	0	3	3	17	1	25
	% of known	0%	0%	0%	0%	4 %	0%	12 %	12 %	68 %	4 %	
România	No of cases	0	0	0	0	1	0	5	8	2	12	28
	% of known	0%	0%	0%	0%	4 %	0%	18 %	29 %	7 %	43 %	
Slovenija	No of cases	0	0	0	0	0	1	1	5	1	0	8
	% of known	0%	0%	0%	0%	0%	13 %	13 %	63 %	13 %	0%	
Slovensko	No of cases	0	0	0	0	0	0	1	3	3	0	7
	% of known	0%	0%	0%	0%	0%	0%	14 %	43 %	43 %	0%	
Suomi/Finland	No of cases	0	0	0	0	0	0	0	0	0	1	1
	% of known	0%	0%	0%	0%	0%	0%	0%	0%	0%	100 %	
Sverige	No of cases	0	0	0	0	0	0	1	1	0	0	2
	% of known	0%	0%	0%	0%	0%	0%	50 %	50 %	0%	0%	
United Kingdom	No of cases	0	0	0	0	7	7	3	6	11	5	39
	% of known	0%	0%	0%	0%	18 %	18 %	8 %	15 %	28 %	13 %	
EU 27	No of cases	13	23	26	69	112	114	154	347	435	485	1 778
	% of known	1 %	1 %	1 %	4 %	6 %	6 %	9 %	20 %	24 %	27 %	
Norway	No of cases	0	0	1	1	2	0	5	0	0	0	9
	% of known	0%	0%	11 %	11 %	22 %	0%	56 %	0%	0%	0%	

Table SR13: Age distribution (months of age at confirmation) of positive cases in ovine animals of known age in 2007

		<12	12-23	24-35	36-47	48-59	60-71	72-83	84-95	>95	Total
Belgique/België	No of cases	0	0	0	1	0	1	0	0	1	3
	% of known	0 %	0 %	0 %	33 %	0 %	33 %	0 %	0 %	33 %	
Česká Republika	No of cases	0	0	0	0	0	0	0	0	1	1
	% of known	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %	100 %	
Deutschland	No of cases	0	4	2	0	3	1	0	0	1	11
	% of known	0 %	36 %	18 %	0 %	27 %	9 %	0 %	0 %	9 %	
Ellas	No of cases	0	3	36	25	12	9	0	1	0	86
	% of known	0 %	3 %	42 %	29 %	14 %	10 %	0 %	1 %	0 %	
España	No of cases	0	3	9	18	12	8	5	7	6	68
	% of known	0 %	4 %	13 %	26 %	18 %	12 %	7 %	10 %	9 %	
France	No of cases	4	54	165	21	58	26	24	36	52	440
	% of known	1 %	12 %	38 %	5 %	13 %	6 %	5 %	8 %	12 %	
Ireland	No of cases	0	0	26	18	16	8	0	1	0	69
	% of known	0 %	0 %	38 %	26 %	23 %	12 %	0 %	1 %	0 %	
Italia	No of cases	2	0	45	44	56	33	29	14	17	240
	% of known	1 %	0 %	19 %	18 %	23 %	14 %	12 %	6 %	7 %	
Kypros	No of cases	0	34	254	213	99	36	50	45	23	754
	% of known	0 %	5 %	34 %	28 %	13 %	5 %	7 %	6 %	3 %	
Magyarország	No of cases	0	0	1	1	2	1	1	1	0	7
	% of known	0 %	0 %	14 %	14 %	29 %	14 %	14 %	14 %	0 %	
Nederland	No of cases	0	0	1	17	3	2	1	1	0	25
	% of known	0 %	0 %	4 %	68 %	12 %	8 %	4 %	4 %	0 %	
România	No of cases	0	0	14	1	7	5	0	1	0	28
	% of known	0 %	0 %	50 %	4 %	25 %	18 %	0 %	4 %	0 %	
Slovenija	No of cases	0	0	0	3	3	0	1	0	0	7
	% of known	0 %	0 %	0 %	43 %	43 %	0 %	14 %	0 %	0 %	
Slovensko	No of cases	0	0	1	2	3	1	0	0	0	7
	% of known	0 %	0 %	14 %	29 %	43 %	14 %	0 %	0 %	0 %	
Suomi/Finland	No of cases	0	0	1	0	0	0	0	0	0	1
	% of known	0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %	0 %	
Sverige	No of cases	0	0	0	0	1	1	0	0	0	2
	% of known	0 %	0 %	0 %	0 %	50 %	50 %	0 %	0 %	0 %	
United Kingdom	No of cases	0	0	8	9	6	2	9	5	0	39
	% of known	0 %	0 %	21 %	23 %	15 %	5 %	23 %	13 %	0 %	
EU 27	No of cases	6	98	563	373	281	134	120	112	101	1 788
	% of known	0 %	5 %	31 %	21 %	16 %	7 %	7 %	6 %	6 %	
Norway	No of cases	0	0	0	0	1	4	1	1	2	9
	% of known	0 %	0 %	0 %	0 %	11 %	44 %	11 %	11 %	22 %	

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

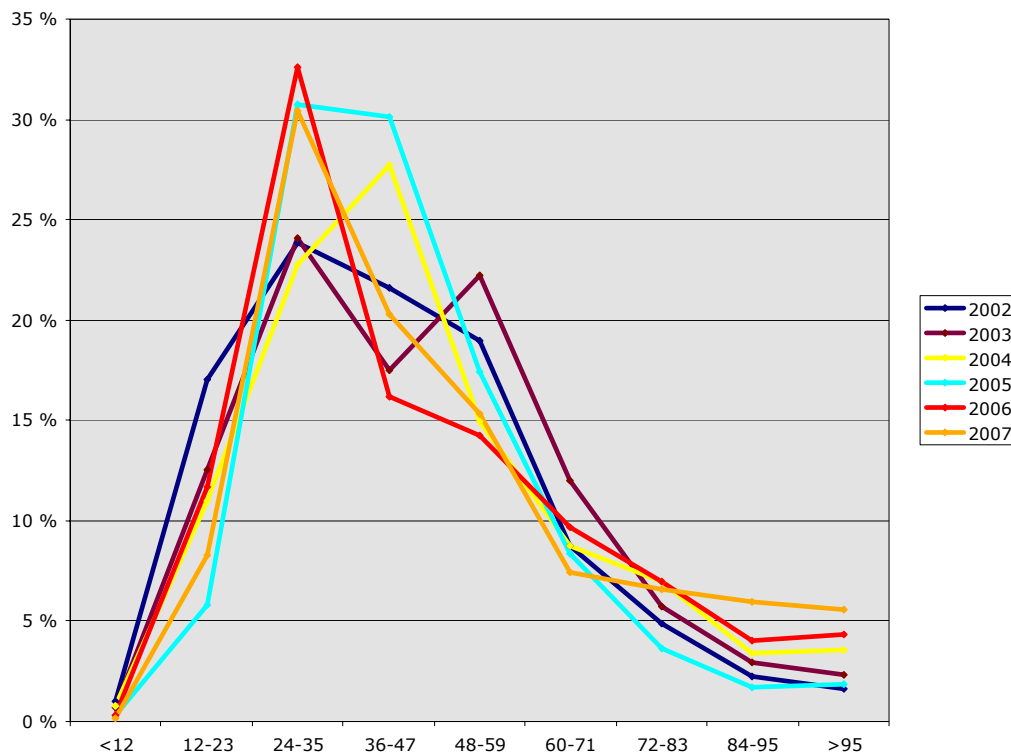
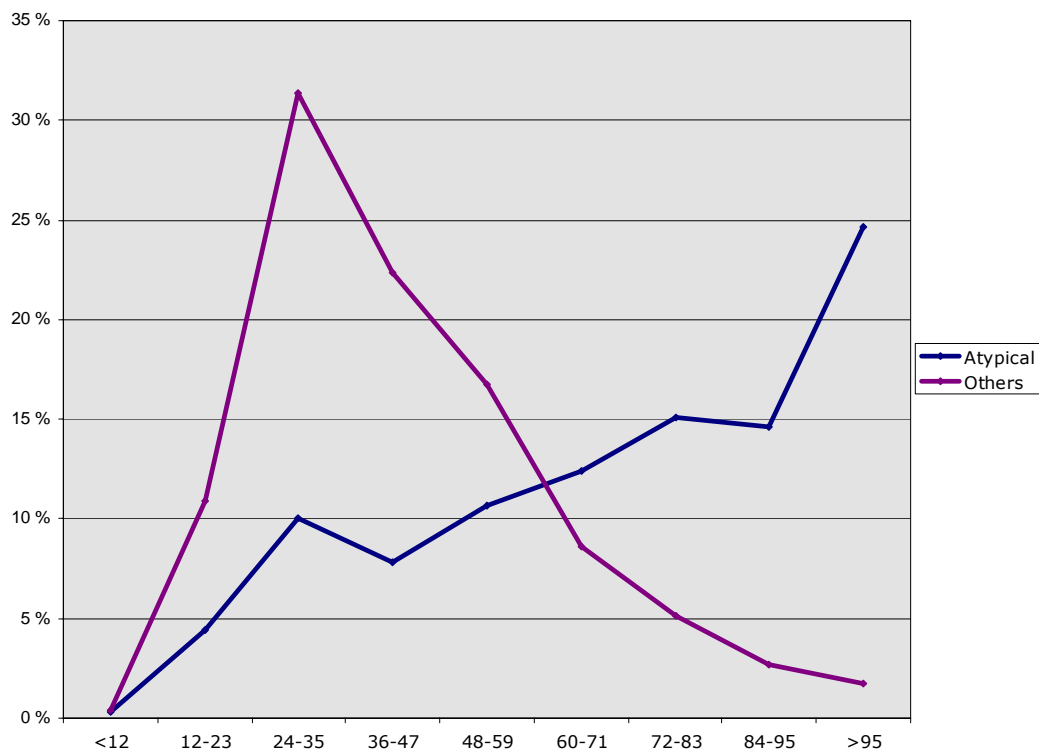


Chart SR13: Age distribution of TSE positive cases in sheep detected since 2002 in the EU 27 and Norway: comparison of cases reported as atypical with other cases



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 SR13: Distribution of known genotypes in confirmed TSE cases in 2007

	Known genotypes		Distribution of known genotypes					
	Number	% of TSE Positives	NSP1	NSP2	NSP3		NSP4	NSP5
					ARQ/ARQ	Others		
Belgique/België	3	100 %	0%	33 %	33 %	33 %	0%	0%
Česká Republika	1	100 %	0%	100 %	0%	0%	0%	0%
Deutschland	4	27 %	0%	25 %	75 %	0%	0%	0%
Ellas	49	15 %	0%	2 %	73 %	14 %	0%	10 %
España	55	33 %	4 %	20 %	67 %	15 %	2 %	4 %
France	266	74 %	6 %	17 %	51 %	6 %	3 %	17 %
Ireland	71	89 %	0%	0%	51 %	15 %	3 %	31 %
Italia	224	90 %	2 %	4 %	75 %	17 %	0%	2 %
Kypros	583	76 %	0%	8 %	84 %	8 %	0%	0%
Nederland	25	66 %	0%	4 %	0%	8 %	32 %	56 %
România	28	100 %	0%	0%	82 %	4 %	0%	14 %
Slovenija	13	108 %	8 %	0%	62 %	0%	0%	31 %
Slovensko	8	100 %	0%	0%	63 %	0%	0%	38 %
Suomi/Finland	1	100 %	0%	0%	100 %	0%	0%	0%
Sverige	1	25 %	0%	0%	0%	100 %	0%	0%
United Kingdom	76	92 %	1 %	32 %	16 %	16 %	5 %	30 %
EU 27	1 408	41 %	2 %	10 %	68 %	10 %	2 %	9 %
Norway	6	0 %	17 %	17 %	33 %	33 %	0%	0%
Others	6	40 %	17 %	17 %	33 %	33 %	0%	0%

Chart SR14: Genotype distribution in atypical cases compared to other TSE cases detected between 2002 and 2007

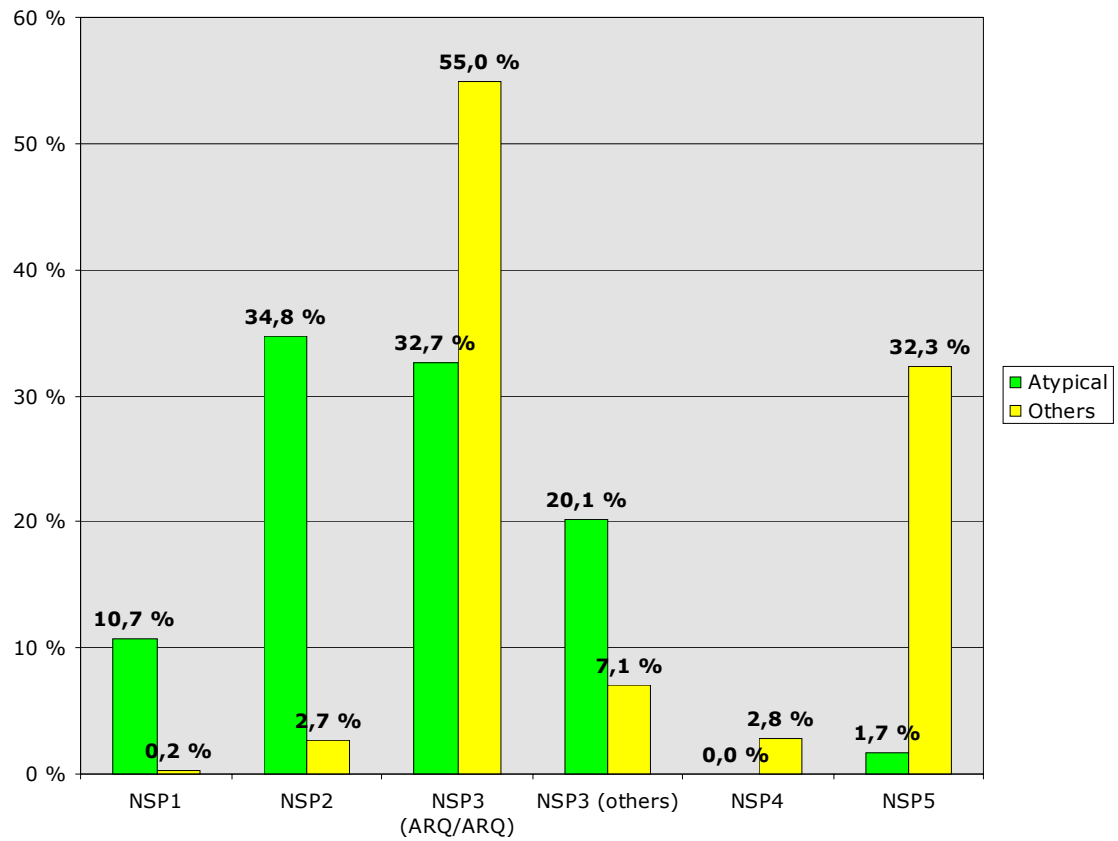


Table SR14: Age distribution of positive cases per genotype in the EU 25 and Norway detected between 2002 and 2007

		<1	1	2	3	4	5	6	7	>7	Unkown		Total
NSP1	cases	0	3	9	8	10	8	5	10	17	24	0	94
	% of known	0%	3 %	10 %	9 %	11 %	9 %	5 %	11 %	18 %	26 %	0%	
NSP2	cases	3	20	52	31	34	38	39	44	63	85	1	410
	% of known	1 %	5 %	13 %	8 %	8 %	9 %	10 %	11 %	15 %	21 %	0 %	
NSP3 (ARQ/ARQ)	cases	11	280	903	576	488	279	206	105	102	301	6	3 257
	% of known	0 %	9 %	28 %	18 %	15 %	9 %	6 %	3 %	3 %	9 %	0 %	
NSP3 (others)	cases	4	27	54	92	74	58	34	36	34	122	0	535
	% of known	1 %	5 %	10 %	17 %	14 %	11 %	6 %	7 %	6 %	23 %	0%	
NSP4	cases	0	3	8	18	20	20	15	13	5	51	0	153
	% of known	0%	2 %	5 %	12 %	13 %	13 %	10 %	8 %	3 %	33 %	0%	
NSP5	cases	4	98	301	316	271	148	55	21	15	521	0	1 750
	% of known	0 %	6 %	17 %	18 %	15 %	8 %	3 %	1 %	1 %	30 %	0%	
Unknown	cases	11	390	1 007	627	393	157	117	72	59	289	1	3 123
	% of known	0 %	12 %	32 %	20 %	13 %	5 %	4 %	2 %	2 %	9 %	0 %	
Total	cases	33	821	2 334	1 668	1 290	708	471	301	295	1 393	8	9 322
	% of known	0,4%	8,8%	25,0%	17,9%	13,8%	7,6%	5,0%	3,2%	3,2%	14,8%	0,1%	

Table SR15: Age distribution of positive cases per genotype in the EU 25 and Norway detected between 2002 and 2007

	2002	2003	2004	2005	2006	2007	Average	Total nbr. of results
NSP1		118,7	60,3	42,0	71,5	73,6	73,2	92
NSP2	43,5	57,0	71,4	83,0	70,1	66,2	68,6	406
NSP3 (ARQ/ARQ)	53,2	50,8	50,3	52,0	64,1	68,2	58,5	3 184
NSP3 (others)	46,3	51,8	44,8	54,2	68,5	64,3	58,6	529
NSP4	63,6	65,9	78,5	64,4	63,3	48,1	63,0	154
NSP5	48,6	48,9	52,9	47,4	50,8	50,9	50,0	1 742
Unknown	50,3	48,0	54,3	66,8	61,5	56,7	56,7	3 031
Average	50,8	51,5	54,2	58,0	63,4	62,4	58,1	9 138

Table SR16: Distribution of genotypes ovine animals genotyped in the EU in 2007

		NSP1	NSP2	NSP3		NSP4	NSP5	Total
				ARQ/ARQ	Others			
Belgique/België	No of samples	57	57	23	22	3	10	172
	%	33 %	33 %	13 %	13 %	2 %	6 %	
Česká Republika	No of samples	1 637	2 079	885	157	124	79	4 961
	%	33 %	42 %	18 %	3 %	2 %	2 %	
Danmark	No of samples	0	45	35	11	0	2	93
	%	0%	48 %	38 %	12 %	0%	2 %	
Eesti	No of samples	70	137	47	25	8	8	295
	%	24 %	46 %	16 %	8 %	3 %	3 %	
Ellas	No of samples	10	74	171	26	0	15	296
	%	3 %	25 %	58 %	9 %	0%	5 %	
España	No of samples	48	277	229	65	4	16	639
	%	8 %	43 %	36 %	10 %	1 %	3 %	
France	No of samples	132	195	113	13	23	18	494
	%	27 %	39 %	23 %	3 %	5 %	4 %	
Ireland	No of samples	170	319	95	64	26	29	703
	%	24 %	45 %	14 %	9 %	4 %	4 %	
Italia	No of samples	118	350	148	61	2	2	681
	%	17 %	51 %	22 %	9 %	0 %	0 %	
Kypros	No of samples	20 664	29 539	4 125	1 102	0	56	55 486
	%	37 %	53 %	7 %	2 %	0%	0 %	
Latvija	No of samples	8	57	27	3	1	3	99
	%	8 %	58 %	27 %	3 %	1 %	3 %	
Lietuva	No of samples	2	25	11	0	0	0	38
	%	5 %	66 %	29 %	0 %	0 %	0 %	
Luxembourg	No of samples	75	58	1	0	1	1	136
	%	55 %	43 %	1 %	0%	1 %	1 %	
Magyarország	No of samples	177	257	79	61	13	13	600
	%	30 %	43 %	13 %	10 %	2 %	2 %	
Nederland	No of samples	3 986	2 435	252	306	191	107	7 277
	%	55 %	33 %	3 %	4 %	3 %	1 %	
Österreich	No of samples	0	54	51	21	0	0	126
	%	0%	43 %	40 %	17 %	0%	0 %	
Portugal	No of samples	99	15 949	6 080	1 150	23	165	23 466
	%	0 %	68 %	26 %	5 %	0 %	1 %	
Slovenija	No of samples	49	139	42	9	1	8	248
	%	20 %	56 %	17 %	4 %	0 %	3 %	
Slovensko	No of samples	1 347	2 227	743	353	0	256	4 926
	%	27 %	45 %	15 %	7 %	0%	5 %	
Suomi/Finland	No of samples	2	27	52	6	1	12	100
	%	2 %	27 %	52 %	6 %	1 %	12 %	
Sverige	No of samples	6	20	62	7	0	6	101
	%	6 %	20 %	61 %	7 %	0 %	6 %	
United Kingdom	No of samples	173	284	73	79	30	28	667
	%	26 %	43 %	11 %	12 %	4 %	4 %	
EU-27	No of samples	28 830	54 604	13 344	3 541	451	834	101 604
	%	28 %	54 %	13 %	3 %	0,4 %	0,8 %	

Table SR17: Susceptibility of genotypes to classical scrapie by comparison with genotypes in the population of some Member States: calculation of odds ratio's

Random samples (2007)	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
España	7,4 %	42,9 %	35,5 %	10,1 %	0,6 %	42,9 %
France	25,9 %	38,2 %	22,2 %	2,5 %	4,5 %	38,2 %
Ireland	24,2 %	45,4 %	12,5 %	10,1 %	3,7 %	45,4 %
Italia	17,3 %	54,5 %	19,2 %	8,4 %	0,3 %	54,5 %
Nederland	54,8 %	33,5 %	3,5 %	4,2 %	2,6 %	33,5 %
United Kingdom	25,9 %	42,6 %	10,9 %	12,3 %	4,5 %	42,6 %

Classical cases (2002-2007)	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
España	0,8 %	3,6 %	78,5 %	8,9 %	0,4 %	3,2 %
France	0,2 %	1,1 %	16,8 %	0,4 %	1,7 %	14,6 %
Ireland	0.0 %	0,2 %	36,2 %	9,4 %	1,0 %	25,9 %
Italia	0,2 %	0,5 %	69,1 %	8,2 %	0.0 %	0,8 %
Nederland	0.0 %	0.0 %	13,1 %	2,6 %	11,3 %	72,3 %
United Kingdom	0,1 %	0,2 %	16,2 %	4,7 %	4,9 %	58,2 %

Odds ratio	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
España	0,05	0,04	1,00	0,40	0,30	0,59
France	0,01	0,04	1,00	0,20	0,51	5,46
Ireland	0,00	0,00	1,00	0,32	0,09	2,17
Italia	0,00	0,00	1,00	0,27	0,00	0,80
Nederland	0,00	0,00	1,00	0,16	1,14	12,95
United Kingdom	0,00	0,00	1,00	0,26	0,74	10,51

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

Random samples (2007)	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
España	7,4 %	42,9 %	35,5 %	10,1 %	0,6 %	42,9 %
France	25,9 %	38,2 %	22,2 %	2,5 %	4,5 %	38,2 %
Ireland	24,2 %	45,4 %	12,5 %	10,1 %	3,7 %	45,4 %
Italia	17,3 %	54,5 %	19,2 %	8,4 %	0,3 %	54,5 %
Nederland	54,8 %	33,5 %	3,5 %	4,2 %	2,6 %	33,5 %
Portugal	18,6 %	41,2 %	0,7 %	28,3 %	5,3 %	41,2 %
United Kingdom	25,9 %	42,6 %	10,9 %	12,3 %	4,5 %	42,6 %

Atypical cases (2002-2007)	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
España	5,0 %	31,7 %	36,7 %	25,0 %	0%	0%
France	10,4 %	27,1 %	33,7 %	9,4 %	0%	1,2 %
Ireland	0%	10,0 %	10,0 %	10,0 %	0%	70,0 %
Italia	15,9 %	31,8 %	38,6 %	13,6 %	0%	0%
Nederland	0%	25,0 %	25,0 %	50,0 %	0%	0%
Portugal	9,3 %	11,1 %	12,3 %	7,4 %	0%	0%
United Kingdom	5,0 %	45,3 %	12,6 %	31,4 %	0%	0,6 %

Odds ratio	NSP1	NSP2	NSP3		NSP4	NSP5
			ARQ/ARQ	Others		
España	0,65	0,71	1,00	2,40	0.00	0.00
France	0,26	0,47	1,00	2,44	0.00	0,23
Ireland	0.00	0,28	1,00	1,24	0.00	21,24
Italia	0,46	0,29	1,00	0,81	0.00	0.00
Nederland	0.00	0,10	1,00	1,65	0.00	0.00
United Kingdom	0,17	0,93	1,00	2,23	0.00	0,15

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:

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

% atypical 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 was clearly different from classical scrapie. The odds ratio provide 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 even when all cases detected between 2002 and 2007 are considered. Making such estimation at Community level in order to have larger groups of cases is difficult because of the differences of distribution of genotypes in the population of each Member State. The tendency in Table SR16 (classical scrapie) indicates the high susceptibility of NSP5 genotypes, but also of the ARQ/ARQ genotypes in particular in comparison with NSP2 and NSP4 genotypes. The tendency in Table SR17. (atypical cases) indicates a higher relative susceptibility of NSP 1 and NSP 2 genotypes to atypical scrapie compared to classical scrapie. However, susceptibility to atypical cases is mainly found in NSP3 genotypes other than ARQ/ARQ. These NSP3 genotypes mostly contained one or two AHQ alleles.

6. SUMMARY OF TSE TESTING IN OTHER SPECIES DURING 2007

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

	Clinical/sick		Fallen		Fallen/culled		Road injured/killed		Healthy shot		Healthy slaughtered		Not specified		Total tests	Total Positives
	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives	Number of tests	Positives		
Belgique/België	46	0	32	0	51	0	14	0	0	0	0	0	0	0	143	0
Bulgaria	0	0	1	0	0	0	0	0	54	0	0	0	0	0	55	0
Česká Republika	4	0	2	0	24	0	3	0	548	0	21	0	0	0	602	0
Danmark	0	0	0	0	85	0	84	0	0	0	0	0	0	0	169	0
Deutschland	3	0	33	0	4	0	3	0	439	0	171	0	0	0	653	0
Eesti	0	0	2	0	0	0	1	0	26	0	0	0	0	0	29	0
España	2	0	4	0	0	0	0	0	289	0	0	0	0	0	295	0
France	0	0	4	0	1	0	0	0	225	0	234	0	0	0	464	0
Ireland	2	0	1	0	9	0	2	0	6	0	416	0	0	0	436	0
Italia	11	0	22	0	0	0	65	0	580	0	0	0	0	0	678	0
Latvija	0	0	4	0	0	0	18	0	492	0	0	0	0	0	514	0
Luxembourg	0	0	4	0	0	0	0	0	35	0	0	0	0	0	39	0
Magyarország	14	0	10	0	0	0	0	0	664	0	0	0	0	0	688	0
Nederland	0	0	318	0	0	0	0	0	0	0	0	0	0	0	318	0
Österreich	13	0	17	0	11	0	5	0	569	0	154	0	0	0	769	0
Polska	3	0	7	0	2	0	15	0	257	0	0	0	0	0	284	0
Portugal	0	0	2	0	4	0	1	0	0	0	30	0	0	0	37	0
România	15	0	33	0	0	0	2	0	2 167	0	0	0	0	0	2 217	0
Slovenija	0	0	25	0	4	0	56	0	24	0	0	0	0	0	109	0
Slovensko	0	0	6	0	0	0	12	0	587	0	0	0	0	0	605	0
Suomi/Finland	56	0	12	0	7	0	57	0	382	0	8	0	58	0	580	0
Sverige	82	0	43	0	12	0	32	0	3	0	0	0	0	0	172	0
United Kingdom	1	0	0	0	19	0	4	0	393	0	484	0	0	0	901	0
EU-27	252	0	582	0	233	0	374	0	7 740	0	1 518	0	58	0	10 757	0
Norway	0	0	30	0	41	0	45	0	523	0	30	0	0	0	669	0

The survey was carried out in the following targeted species of cervids: *Alces alces*, *Capreolus capreolus*, *Cervus elaphus* and *Odocoileus virginianus*