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**COMMISSION STAFF WORKING DOCUMENT**

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**REPORT FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND  
THE COUNCIL**

**2019 report on the statistics on the use of animals for scientific purposes in the Member  
States of the European Union in 2015-2017**

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## V.4. Member State comparative tables for 2017

### Introduction

Based on the recalculated Member State data, three comparative tables are provided for 2017 covering:

- **Numbers of animals**, by species, used for purposes of research, testing, routine production and education (including training)
- **Numbers of all uses** (first and any subsequent reuse) of animals, by species, for the purposes of research, testing, routine production and education (including training)
- Numbers and uses of animals, by species, for the **creation and maintenance of genetically altered animals**

**Table 1.1: Numbers of animals used for the first time for research, testing, routine production and educational purposes by species and Member State (Part 1) (2017)**

	AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE
<b>Mammals</b>															
<b>Rodents</b>															
Mice	169,345	306,605	989	1,209	71,954	1,171,550	159,566	2,168	21,190	465,870	48,580	1,011,925	19,710	65,368	205,849
Rats	5,309	23,207	1,892	0	24,809	245,998	37,955	296	2,435	55,826	13,467	173,535	7,638	33,255	16,858
Guinea-Pigs	1,127	15,539	1,841	0	1,377	14,349	2,932	0	6	6,411	9	44,976	16	5,731	518
Hamsters (Syrian)	0	1,147	0	0	15	1,217	282	0	0	599	149	6,529	0	0	0
Hamsters (Chinese)	0	0	0	0	0	8	0	0	0	0	0	167	0	0	0
Mongolian gerbil	0	174	0	0	46	4,154	0	0	0	0	0	429	0	0	0
Other rodents	998	115	0	0	635	9,950	3	0	0	141	690	857	0	0	0
<b>Rabbits</b>															
Rabbits	10,367	57,849	568	0	2,031	89,147	2,439	0	213	22,205	223	124,544	426	1,343	400
<b>Carnivores</b>															
Cats	61	53	30	0	121	431	0	0	0	178	311	315	0	16	0
Dogs	149	334	0	0	437	1,720	69	0	23	1,045	3,035	2,752	0	359	46
Ferrets	0	26	0	0	1	172	4	0	0	164	0	148	0	4	442
Other carnivores	0	0	0	0	1	535	935	0	0	25	107	24	0	0	0
<b>Farm animals</b>															
Horses, donkeys and cross-breeds	349	135	0	0	90	1,013	55	0	0	46	30	109	0	0	59
Pigs	2,040	4,847	20	0	1,893	16,069	5,481	4	283	8,655	632	9,261	2	2,078	1,519
Goats	20	77	0	0	91	195	1	0	0	354	0	311	0	0	11
Sheep	139	628	340	0	524	2,832	56	0	8	1,715	1,319	2,633	28	0	1,189
Cattle	904	1,354	15	0	1,413	5,842	3,663	16	3	1,138	207	956	30	12	2,805
<b>Non-human primates</b>															
Prosimians	0	0	0	0	0	12	0	0	0	0	0	86	0	0	0
Marmoset and tamarins	0	0	0	0	0	197	0	0	0	0	0	131	0	0	0
Squirrel monkey	0	0	0	0	0	1	0	0	0	0	0	7	0	0	0
Other species of new world monkeys (Ceboidea)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cynomolgus monkey	0	0	0	0	0	2,387	0	0	0	246	0	2,001	0	0	0
Rhesus monkey	0	9	0	0	0	67	0	0	0	0	0	26	0	2	0
Vervets (Chlorocebus spp.)	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0
Baboons	0	0	0	0	0	14	0	0	0	0	0	11	0	0	0
Other species of old world monkeys (Cercopithecoidea)	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0
<b>Other mammals</b>															
Other mammals	102	77	0	0	0	1,259	28	0	0	99	1,521	18,125	0	0	0
<b>Birds</b>															
Domestic fowl	3,895	39,661	680	0	21,166	24,463	402	0	6	82,047	8,485	42,582	255	20,575	40
Other birds	1,810	6,887	0	0	4,234	11,339	408	180	0	2,385	404	26,997	0	2,084	823
<b>Reptiles</b>															
Reptiles	0	42	0	0	558	351	269	0	0	1,003	0	14	0	0	0
<b>Amphibians</b>															
Rana	0	0	2,306	0	0	377	0	0	0	18	0	118	0	0	0
Xenopus	941	866	0	0	50	3,405	75	0	0	1,204	0	3,570	0	0	18
Other amphibians	912	71	0	0	531	2,652	47	0	0	1,996	0	742	0	0	0
<b>Fish</b>															
Zebra fish	8,112	23,912	0	0	5,414	87,413	1,587	0	1,859	19,941	6,454	16,199	0	928	236
Other fish	4,596	23,538	0	0	74,753	94,180	15,538	0	16,250	42,320	11,729	267,714	0	1,174	9,755
<b>Cephalopods</b>															
Cephalopods	0	0	0	0	0	0	0	0	33	20	0	1	0	0	0
<b>Totals</b>															
<b>Total</b>	<b>211,176</b>	<b>507,153</b>	<b>8,681</b>	<b>1,209</b>	<b>212,144</b>	<b>1,793,299</b>	<b>231,795</b>	<b>2,664</b>	<b>42,309</b>	<b>715,651</b>	<b>97,352</b>	<b>1,757,837</b>	<b>28,105</b>	<b>132,929</b>	<b>240,568</b>
<b>% of total</b>	<b>2.2</b>	<b>5.4</b>	<b>0.1</b>	<b>0</b>	<b>2.3</b>	<b>19.1</b>	<b>2.5</b>	<b>0</b>	<b>0.5</b>	<b>7.6</b>	<b>1</b>	<b>18.7</b>	<b>0.3</b>	<b>1.4</b>	<b>2.6</b>

**Table 1.2: Numbers of animals used for the first time for research, testing, routine production and educational purposes by species and Member State (Part2) (2017)**

	IT	LT	LU	LV	MT	NL	PL	PT	RO	SE	SI	SK	UK	Total	%
<b>Mammals</b>															
<b>Rodents</b>															
Mice	347,361	1,718	5,348	3,332	0	188,238	88,894	35,221	7,975	193,965	3,998	5,547	1,103,996	5,707,471	60.8
Rats	117,203	391	96	1,795	0	89,294	28,865	3,133	4,367	19,055	226	7,619	231,775	1,146,299	12.2
Guinea-Pigs	14,246	15	0	0	0	5,702	5,232	0	792	409	0	1,036	22,560	144,824	1.5
Hamsters (Syrian)	277	0	0	0	0	1,025	150	0	150	34	0	0	1,126	12,700	0.1
Hamsters (Chinese)	0	0	0	0	0	12	0	0	0	0	0	0	0	187	0
Mongolian gerbil	0	0	0	0	0	0	120	0	0	0	0	9	307	5,239	0.1
Other rodents	647	0	0	0	0	736	7,990	140	0	5	0	0	2,325	25,172	0.3
<b>Rabbits</b>															
Rabbits	18,146	13	0	0	0	9,551	718	36	318	1,573	76	195	9,580	351,961	3.7
<b>Carnivores</b>															
Cats	0	0	0	0	0	174	0	0	0	104	0	11	74	1,879	0
Dogs	373	0	0	0	0	549	0	0	0	279	0	0	2,518	13,688	0.1
Ferrets	42	0	0	0	0	608	0	0	0	0	0	0	405	2,016	0
Other carnivores	0	0	0	0	0	270	130	0	0	124	0	0	235	2,386	0
<b>Farm animals</b>															
Horses, donkeys and cross-breeds	0	0	0	0	0	173	50	0	0	17	0	0	288	2,414	0
Pigs	1,559	68	0	22	0	9,587	1,513	155	58	1,220	80	0	4,476	71,522	0.8
Goats	0	0	0	0	0	176	17	0	0	30	0	0	280	1,563	0
Sheep	120	15	0	0	0	531	1,231	12	85	35	26	0	5,346	18,812	0.2
Cattle	270	0	0	0	0	2,629	403	0	0	493	0	1	8,489	30,643	0.3
<b>Non-human primates</b>															
Prosimians	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0
Marmoset and tamarins	0	0	0	0	0	27	0	0	0	0	0	0	110	465	0
Squirrel monkey	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0
Other species of new world monkeys (Ceboidea)	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0
Cynomolgus monkey	545	0	0	0	0	23	0	0	0	2	0	0	2,023	7,227	0.1
Rhesus monkey	3	0	0	0	0	141	0	0	0	23	0	0	82	353	0
Vervets (Chlorocebus spp.)	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0
Baboons	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0
Other species of old world monkeys (Cercopithecoidea)	0	0	0	0	0	0	14	0	0	0	0	0	0	23	0
<b>Other mammals</b>															
Other mammals	24	0	0	140	0	3,305	639	32	0	192	0	0	792	26,335	0.3
<b>Birds</b>															
Domestic fowl	33,358	0	0	0	0	55,152	5,067	120	280	1,452	10	228	124,629	464,553	4.9
Other birds	420	26	0	0	0	17,946	6,470	0	23	10,657	0	59	6,258	99,410	1.1
<b>Reptiles</b>															
Reptiles	0	0	0	0	0	294	314	0	0	0	0	0	92	2,937	0
<b>Amphibians</b>															
Rana	0	0	0	0	0	0	20	0	230	308	0	0	108	3,485	0
Xenopus	371	0	0	0	0	278	0	0	0	231	0	0	2,530	13,539	0.1
Other amphibians	0	0	0	0	0	60	456	0	0	2,694	0	0	522	10,683	0.1
<b>Fish</b>															
Zebra fish	19,415	0	19,849	0	0	51,456	950	906	0	18,461	0	0	216,671	499,763	5.3
Other fish	10,079	520	0	0	250	15,842	5,381	793	0	33,940	98	0	91,482	719,932	7.7
<b>Cephalopods</b>															
Cephalopods	10	0	0	0	0	0	0	450	0	0	0	0	0	514	0
<b>Totals</b>															
<b>Total</b>	<b>564,469</b>	<b>2,766</b>	<b>25,293</b>	<b>5,289</b>	<b>250</b>	<b>453,779</b>	<b>154,567</b>	<b>40,998</b>	<b>14,278</b>	<b>285,303</b>	<b>4,514</b>	<b>14,705</b>	<b>1,839,079</b>	<b>9,388,162</b>	<b>100</b>
<b>%</b>	<b>6</b>	<b>0</b>	<b>0.3</b>	<b>0.1</b>	<b>0</b>	<b>4.8</b>	<b>1.6</b>	<b>0.4</b>	<b>0.2</b>	<b>3</b>	<b>0</b>	<b>0.2</b>	<b>19.6</b>	<b>100</b>	

**Table 2.1: All uses (first use and all subsequent reuses) of animals for research, testing, routine production and educational purposes by species and Member State (Part 1) (2017)**

	AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE	
<b>Mammals</b>																
<b>Rodents</b>																
Mice	169,908	306,919	989	1,209	72,996	1,188,709	160,422	2,168	21,519	467,205	48,631	1,028,083	19,710	65,714	205,849	
Rats	5,309	23,604	1,892	0	24,855	250,479	38,498	296	2,438	55,988	13,467	179,613	7,700	33,946	16,858	
Guinea-Pigs	1,154	15,541	1,841	0	1,383	14,851	2,947	0	6	6,747	9	45,034	21	5,765	518	
Hamsters (Syrian)	8	1,147	0	0	15	1,222	282	0	0	599	149	6,529	0	0	0	
Hamsters (Chinese)	0	0	0	0	0	8	0	0	0	0	0	167	0	0	0	
Mongolian gerbil	41	174	0	0	46	4,255	0	0	0	0	0	429	0	0	0	
Other rodents	998	115	0	0	635	9,950	3	0	0	141	690	957	0	0	0	
<b>Rabbits</b>																
Rabbits	10,388	57,888	568	0	2,133	92,644	2,443	0	213	25,931	227	126,898	426	1,431	400	
<b>Carnivores</b>																
Cats	61	61	30	0	132	718	0	0	8	531	311	867	0	16	0	
Dogs	203	1,856	0	0	637	3,330	214	0	41	1,476	3,061	4,096	0	463	89	
Ferrets	0	26	0	0	1	196	4	0	0	164	0	148	0	4	442	
Other carnivores	0	0	0	0	1	535	1,035	0	0	25	107	27	0	0	0	
<b>Farm animals</b>																
Horses, donkeys and cross-breeds	521	234	0	0	105	1,209	119	0	0	61	77	305	25	0	60	
Pigs	2,040	4,970	20	0	2,447	17,283	5,801	4	289	8,655	632	10,346	2	2,405	1,547	
Goats	22	78	0	0	97	212	1	0	0	369	0	838	0	0	11	
Sheep	149	666	340	0	918	3,053	66	0	8	1,953	1,319	5,396	39	0	1,321	
Cattle	908	1,558	15	0	2,734	6,332	3,677	16	3	1,700	216	1,777	30	33	3,244	
<b>Non-human primates</b>																
Prosimians	0	0	0	0	0	87	0	0	0	0	0	86	0	0	0	
Marmoset and tamarins	0	0	0	0	0	214	0	0	0	0	0	224	0	0	0	
Squirrel monkey	0	0	0	0	0	1	0	0	0	0	0	7	0	0	0	
Other species of new world monkeys (Ceboidea)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cynomolgus monkey	0	0	0	0	0	3,002	0	0	0	451	0	3,279	0	0	0	
Rhesus monkey	0	44	0	0	0	117	0	0	1	0	0	71	0	2	0	
Vervets (Chlorocebus spp.)	0	0	0	0	0	15	0	0	0	0	0	38	0	0	0	
Baboons	0	0	0	0	0	14	0	0	0	0	0	32	0	0	0	
Other species of old world monkeys (Cercopithecoidea)	0	0	0	0	0	12	0	0	0	0	0	9	0	0	0	
<b>Other mammals</b>																
Other mammals	102	140	0	0	0	1,352	28	0	0	99	1,533	18,525	0	0	0	
<b>Birds</b>																
Domestic fowl	3,895	39,674	680	0	21,217	24,920	466	0	6	82,107	8,485	43,144	255	25,169	40	
Other birds	1,819	7,138	0	0	4,260	12,000	408	180	0	2,535	404	27,225	0	2,084	823	
<b>Reptiles</b>																
Reptiles	0	181	0	0	558	369	289	0	0	1,003	0	3,462	0	0	0	
<b>Amphibians</b>																
Rana	0	0	2,306	0	0	377	4	0	0	18	0	118	0	0	0	
Xenopus	972	918	0	0	50	4,546	285	0	0	1,204	0	4,897	0	0	18	
Other amphibians	912	323	0	0	531	2,652	47	0	0	1,996	0	742	0	0	0	
<b>Fish</b>																
Zebra fish	8,112	23,912	0	0	5,414	87,413	1,587	0	1,859	21,375	6,454	16,799	0	1,676	236	
Other fish	4,630	24,027	0	0	74,861	94,210	15,606	0	16,346	43,480	11,729	268,074	0	1,174	9,787	
<b>Cephalopods</b>																
Cephalopods	0	0	0	0	0	0	0	0	33	20	0	1	0	0	0	
<b>Totals</b>																
<b>Total</b>	<b>212,152</b>	<b>511,194</b>	<b>8,681</b>	<b>1,209</b>	<b>216,026</b>	<b>1,826,287</b>	<b>234,232</b>	<b>2,664</b>	<b>42,770</b>	<b>725,833</b>	<b>97,501</b>	<b>1,798,243</b>	<b>28,208</b>	<b>139,882</b>	<b>241,243</b>	
<b>%</b>	<b>2.2</b>	<b>5.3</b>	<b>0.1</b>	<b>0</b>	<b>2.3</b>	<b>19.1</b>	<b>2.4</b>	<b>0</b>	<b>0.4</b>	<b>7.6</b>	<b>1</b>	<b>18.8</b>	<b>0.3</b>	<b>1.5</b>	<b>2.5</b>	

**Table 2.2: All uses (first use and all subsequent reuses) of animals for research, testing, routine production and educational purposes by species and Member State (Part2) (2017)**

	IT	LT	LU	LV	MT	NL	PL	PT	RO	SE	SI	SK	UK	Total	%
<b>Mammals</b>															
<b>Rodents</b>															
Mice	347,844	1,718	5,572	3,332	0	194,144	89,191	36,126	7,975	195,193	4,508	5,547	1,104,940	5,756,121	60.1
Rats	117,541	391	96	1,795	0	91,099	28,873	3,135	4,367	19,301	226	7,619	234,781	1,164,167	12.1
Guinea-Pigs	14,357	15	0	0	0	5,816	5,235	0	792	409	0	1,036	22,560	146,037	1.5
Hamsters (Syrian)	277	0	0	0	0	1,035	150	0	150	34	0	0	1,126	12,723	0.1
Hamsters (Chinese)	0	0	0	0	0	12	0	0	0	0	0	0	0	187	0
Mongolian gerbil	0	0	0	0	0	0	120	0	0	0	0	9	311	5,385	0.1
Other rodents	647	0	0	0	0	736	8,108	140	0	5	0	0	2,327	25,452	0.3
<b>Rabbits</b>															
Rabbits	19,325	13	0	0	0	9,764	820	36	504	1,574	135	226	10,444	364,431	3.8
<b>Carnivores</b>															
Cats	0	0	0	0	0	200	0	0	0	104	0	11	288	3,338	0
Dogs	639	0	0	0	0	909	10	0	0	386	0	0	3,949	21,359	0.2
Ferrets	42	0	0	0	0	680	0	0	0	0	0	0	405	2,112	0
Other carnivores	0	0	0	0	0	270	130	0	0	140	0	0	244	2,514	0
<b>Farm animals</b>															
Horses, donkeys and cross-breeds	17	0	0	0	0	173	73	0	2	41	2	0	10,600	13,624	0.1
Pigs	1,621	68	0	22	0	9,738	1,517	155	58	1,557	80	0	4,618	75,875	0.8
Goats	23	0	0	0	0	259	24	0	0	30	0	0	304	2,268	0
Sheep	192	15	0	0	0	558	1,301	30	209	35	28	2	47,929	65,527	0.7
Cattle	279	0	0	0	0	3,833	413	0	2	1,420	0	1	9,085	37,276	0.4
<b>Non-human primates</b>															
Prosimians	0	0	0	0	0	0	0	0	0	0	0	0	0	173	0
Marmoset and tamarins	1	0	0	0	0	41	0	0	0	0	0	0	166	646	0
Squirrel monkey	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0
Other species of new world monkeys (Ceboidea)	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0
Cynomolgus monkey	569	0	0	0	0	42	0	0	0	2	0	0	2,662	10,007	0.1
Rhesus monkey	4	0	0	0	0	234	0	0	0	23	0	0	132	628	0
Vervets (Chlorocebus spp.)	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0
Baboons	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0
Other species of old world monkeys (Cercopithecoidea)	0	0	0	0	0	0	14	0	0	0	0	0	0	35	0
<b>Other mammals</b>															
Other mammals	30	0	0	140	0	3,315	639	32	0	327	0	0	804	27,066	0.3
<b>Birds</b>															
Domestic fowl	34,715	0	0	0	0	55,371	5,067	120	330	1,452	10	233	124,656	472,012	4.9
Other birds	420	26	0	0	0	18,322	6,566	56	23	11,269	0	59	6,729	102,346	1.1
<b>Reptiles</b>															
Reptiles	0	0	0	0	0	294	314	0	0	0	0	0	92	6,562	0.1
<b>Amphibians</b>															
Rana	0	0	0	0	0	9	20	0	230	308	0	0	108	3,498	0
Xenopus	401	0	0	0	0	438	0	0	0	261	0	0	7,453	21,443	0.2
Other amphibians	0	0	0	0	0	60	456	0	0	2,694	0	0	533	10,946	0.1
<b>Fish</b>															
Zebra fish	19,508	0	19,849	0	0	51,676	950	912	0	19,341	0	0	217,110	504,183	5.3
Other fish	10,715	520	0	0	250	15,887	5,381	829	0	33,940	98	0	91,632	723,176	7.5
<b>Cephalopods</b>															
Cephalopods	10	0	0	0	0	0	0	450	0	0	0	0	0	514	0
<b>Totals</b>															
<b>Total</b>	<b>569,177</b>	<b>2,766</b>	<b>25,517</b>	<b>5,289</b>	<b>250</b>	<b>464,915</b>	<b>155,375</b>	<b>42,021</b>	<b>14,642</b>	<b>289,846</b>	<b>5,087</b>	<b>14,743</b>	<b>1,905,988</b>	<b>9,581,741</b>	<b>100</b>
<b>%</b>	<b>5.9</b>	<b>0</b>	<b>0.3</b>	<b>0.1</b>	<b>0</b>	<b>4.9</b>	<b>1.6</b>	<b>0.4</b>	<b>0.2</b>	<b>3</b>	<b>0.1</b>	<b>0.2</b>	<b>19.9</b>	<b>100</b>	

**Table 3.1: Uses of animals for the creation of new genetically altered animal lines in basic, translational and applied research by species, reuse and Member State<sup>1)</sup> (2017)**

	Reuse <sup>2)</sup>	AT	BE	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE	IT	LU	NL	PL	PT	SE	SI	UK	Total	%
Mice	No	14,373	24,875	9,007	117,993	3,686	16	3,960	17,749	4,155	36,512	0	162	586	7,799	0	10,790	188	495	22,641	55	213,555	488,597	99.6
	Yes	0	0	216	432	0	0	0	70	0	180	0	0	0	0	0	2	0	39	788	0	393	2,120	0.4
	<b>Total</b>	<b>14,373</b>	<b>24,875</b>	<b>9,223</b>	<b>118,425</b>	<b>3,686</b>	<b>16</b>	<b>3,960</b>	<b>17,819</b>	<b>4,155</b>	<b>36,692</b>	<b>0</b>	<b>162</b>	<b>586</b>	<b>7,799</b>	<b>0</b>	<b>10,792</b>	<b>188</b>	<b>534</b>	<b>23,429</b>	<b>55</b>	<b>213,948</b>	<b>490,717</b>	<b>100.0</b>
Rats	No	0	222	2,112	3,396	0	72	0	48	5	3,346	0	0	0	510	0	9	109	0	0	0	131	9,960	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>222</b>	<b>2,112</b>	<b>3,396</b>	<b>0</b>	<b>72</b>	<b>0</b>	<b>48</b>	<b>5</b>	<b>3,346</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>510</b>	<b>0</b>	<b>9</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131</b>	<b>9,960</b>	<b>100.0</b>
Rabbits	No	0	0	0	17	0	0	0	0	0	306	0	152	0	0	0	0	0	0	0	0	0	475	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>306</b>	<b>0</b>	<b>152</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>475</b>	<b>100.0</b>
Pigs	No	0	0	0	61	2	0	0	1	0	0	0	0	0	36	0	0	0	0	0	0	124	224	98.7
	Yes	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1.3
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>124</b>	<b>227</b>	<b>100.0</b>
Sheep	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>17</b>	<b>100.0</b>
Marmoset and tamarins	No	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>100.0</b>
Other mammals	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	0	0	0	0	61	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>100.0</b>
Domestic fowl	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	647	647	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>647</b>	<b>647</b>	<b>100.0</b>
Xenopus	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	250	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>	<b>250</b>	<b>100.0</b>
Zebra fish	No	8,185	3,544	0	48,540	0	0	0	4,886	699	5,080	230	0	0	0	77	167	0	0	8,546	0	49,941	129,895	86.3
	Yes	0	979	14,351	3,451	0	0	0	0	0	0	0	567	0	0	0	0	0	0	1,271	0	82	20,701	13.7
	<b>Total</b>	<b>8,185</b>	<b>4,523</b>	<b>14,351</b>	<b>51,991</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,886</b>	<b>699</b>	<b>5,080</b>	<b>230</b>	<b>567</b>	<b>0</b>	<b>0</b>	<b>77</b>	<b>167</b>	<b>0</b>	<b>0</b>	<b>9,817</b>	<b>0</b>	<b>50,023</b>	<b>150,596</b>	<b>100.0</b>
Other fish	No	0	0	0	3,348	0	0	0	1,187	0	0	0	0	0	0	0	0	0	0	0	0	34	4,569	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,348</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,187</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>4,569</b>	<b>100.0</b>
All Species	No	22,558	28,641	11,119	173,365	3,688	88	3,960	23,871	4,859	45,244	230	314	586	8,345	77	10,966	358	495	31,187	55	264,699	634,705	96.5
	Yes	0	979	14,567	3,886	0	0	0	70	0	180	0	567	0	0	0	2	0	39	2,059	0	475	22,824	3.5
	<b>Total</b>	<b>22,558</b>	<b>29,620</b>	<b>25,686</b>	<b>177,251</b>	<b>3,688</b>	<b>88</b>	<b>3,960</b>	<b>23,941</b>	<b>4,859</b>	<b>45,424</b>	<b>230</b>	<b>881</b>	<b>586</b>	<b>8,345</b>	<b>77</b>	<b>10,968</b>	<b>358</b>	<b>534</b>	<b>33,246</b>	<b>55</b>	<b>265,174</b>	<b>657,529</b>	<b>100.0</b>

Table notes:

- 1) Table includes only those Member States that have reported data for this purpose
- 2) Reuse "No" = numbers of animals used for the first time;  
Reuse "Yes" = all subsequent reuses;  
Total = numbers of all uses.



**Table 3.2: Uses of animals for the maintenance of colonies of established genetically altered animal lines by species, reuse and Member State<sup>1)</sup> (2017)**

	Reuse <sup>2)</sup>	AT	BE	CZ	DE	DK	EE	ES	FI	FR	HR	IE	IT	LU	NL	PL	PT	SE	SK	UK	Total	%
Mice	No	28,632	2,249	0	61,184	29	394	38,443	215	69,742	96	473	2,485	0	1,057	501	9,447	1,659	540	346,497	563,643	100.0
	Yes	0	11	0	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	141	0.0
	<b>Total</b>	<b>28,632</b>	<b>2,260</b>	<b>0</b>	<b>61,313</b>	<b>29</b>	<b>394</b>	<b>38,443</b>	<b>215</b>	<b>69,742</b>	<b>96</b>	<b>473</b>	<b>2,485</b>	<b>0</b>	<b>1,057</b>	<b>501</b>	<b>9,447</b>	<b>1,659</b>	<b>540</b>	<b>346,498</b>	<b>563,784</b>	<b>100.0</b>
Rats	No	729	0	0	1,574	0	0	0	0	755	0	0	53	0	429	0	0	20	320	2,919	6,799	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>729</b>	<b>0</b>	<b>0</b>	<b>1,574</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>755</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>0</b>	<b>429</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>320</b>	<b>2,919</b>	<b>6,799</b>
Dogs	No	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>100.0</b>
Domestic fowl	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	367	367	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>367</b>	<b>367</b>	<b>100.0</b>
Xenopus	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195	195	49.7
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197	50.3
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>392</b>	<b>392</b>	<b>100.0</b>
Zebra fish	No	0	0	0	2,272	0	0	14,759	0	0	0	0	0	247	181	0	368	0	0	52,401	70,228	99.1
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	612	612	0.9
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,272</b>	<b>0</b>	<b>0</b>	<b>14,759</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>247</b>	<b>181</b>	<b>0</b>	<b>368</b>	<b>0</b>	<b>0</b>	<b>53,013</b>	<b>70,840</b>	<b>100.0</b>
Other fish	No	0	0	0	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	524	640	100.0
	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>116</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>524</b>	<b>640</b>	<b>100.0</b>
All Species	No	29,361	2,249	0	65,146	29	394	53,202	215	70,507	96	473	2,538	247	1,667	501	9,815	1,679	860	402,903	641,882	99.9
	Yes	0	11	0	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	810	950	0.1
	<b>Total</b>	<b>29,361</b>	<b>2,260</b>	<b>0</b>	<b>65,275</b>	<b>29</b>	<b>394</b>	<b>53,202</b>	<b>215</b>	<b>70,507</b>	<b>96</b>	<b>473</b>	<b>2,538</b>	<b>247</b>	<b>1,667</b>	<b>501</b>	<b>9,815</b>	<b>1,679</b>	<b>860</b>	<b>403,713</b>	<b>642,832</b>	<b>100.0</b>

Table notes:

- 1) Table includes only those Member States that have reported data for this purpose
- 2) Reuse "No" = numbers of animals used for the first time;  
Reuse "Yes" = all subsequent reuses;  
Total = numbers of all uses.