
# SECTION C: MEMBER STATE DATA BETWEEN 2015 AND 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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mammals** |
| **Rodents** |
| 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 |
| **Rabbits** |
| Rabbits | 10,367 | 57,849 | 568 | 0 | 2,031 | 89,147 | 2,439 | 0 | 213 | 22,205 | 223 | 124,544 | 426 | 1,343 | 400 |
| **Carnivores** |
| 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 |
| **Farm animals** |
| 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 |
| **Non-human primates** |
| 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 |
| **Other mammals** |
| Other mammals | 102 | 77 | 0 | 0 | 0 | 1,259 | 28 | 0 | 0 | 99 | 1,521 | 18,125 | 0 | 0 | 0 |
| **Birds** |
| 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 |
| **Reptiles** |
| Reptiles | 0 | 42 | 0 | 0 | 558 | 351 | 269 | 0 | 0 | 1,003 | 0 | 14 | 0 | 0 | 0 |
| **Amphibians** |
| 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 |
| **Fish** |
| 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 |
| **Cephalopods** |
| Cephalopods | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 20 | 0 | 1 | 0 | 0 | 0 |
| **Totals** |
| **Total** | **211,176** | **507,153** | **8,681** | **1,209** | **212,144** | **1,793,299** | **231,795** | **2,664** | **42,309** | **715,651** | **97,352** | **1,757,837** | **28,105** | **132,929** | **240,568** |
| **% of total** | **2.2** | **5.4** | **0.1** | **0** | **2.3** | **19.1** | **2.5** | **0** | **0.5** | **7.6** | **1** | **18.7** | **0.3** | **1.4** | **2.6** |

### 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** | **%** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mammals** |
| **Rodents** |
| 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 | 7,930 | 140 | 0 | 5 | 0 | 0 | 2,325 | **25,172** | **0.3** |
| **Rabbits** |
| Rabbits | 18,146 | 13 | 0 | 0 | 0 | 9,551 | 718 | 36 | 318 | 1,573 | 76 | 195 | 9,580 | **351,961** | **3.7** |
| **Carnivores** |
| 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** |
| **Farm animals** |
| 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** |
| **Non-human primates** |
| 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** |
| **Other mammals** |
| Other mammals | 24 | 0 | 0 | 140 | 0 | 3,305 | 639 | 32 | 0 | 192 | 0 | 0 | 792 | **26,335** | **0.3** |
| **Birds** |
| 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** |
| **Reptiles** |
| Reptiles | 0 | 0 | 0 | 0 | 0 | 294 | 314 | 0 | 0 | 0 | 0 | 0 | 92 | **2,937** | **0** |
| **Amphibians** |
| 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** |
| **Fish** |
| 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** |
| **Cephalopods** |
| Cephalopods | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 450 | 0 | 0 | 0 | 0 | 0 | **514** | **0** |
| **Totals** |
| **Total** | **564,469** | **2,766** | **25,293** | **5,289** | **250** | **453,779** | **154,567** | **40,998** | **14,278** | **285,303** | **4,514** | **14,705** | **1,839,079** | **9,388,162** | **100** |
| **%** | **6** | **0** | **0.3** | **0.1** | **0** | **4.8** | **1.6** | **0.4** | **0.2** | **3** | **0** | **0.2** | **19.6** | **100** |  |

### 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** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mammals** |
| **Rodents** |
| 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 |
| **Rabbits** |
| Rabbits | 10,388 | 57,888 | 568 | 0 | 2,133 | 92,644 | 2,443 | 0 | 213 | 25,931 | 227 | 126,898 | 426 | 1,431 | 400 |
| **Carnivores** |
| 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 |
| **Farm animals** |
| 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 |
| **Non-human primates** |
| 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 |
| **Other mammals** |
| Other mammals | 102 | 140 | 0 | 0 | 0 | 1,352 | 28 | 0 | 0 | 99 | 1,533 | 18,525 | 0 | 0 | 0 |
| **Birds** |
| 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 |
| **Reptiles** |
| Reptiles | 0 | 181 | 0 | 0 | 558 | 369 | 289 | 0 | 0 | 1,003 | 0 | 3,462 | 0 | 0 | 0 |
| **Amphibians** |
| 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 |
| **Fish** |
| 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 |
| **Cephalopods** |
| Cephalopods | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 20 | 0 | 1 | 0 | 0 | 0 |
| **Totals** |
| **Total** | **212,152** | **511,194** | **8,681** | **1,209** | **216,026** | **1,826,287** | **234,232** | **2,664** | **42,770** | **725,833** | **97,501** | **1,798,243** | **28,208** | **139,882** | **241,243** |
| **%** | **2.2** | **5.3** | **0.1** | **0** | **2.3** | **19.1** | **2.4** | **0** | **0.4** | **7.6** | **1** | **18.8** | **0.3** | **1.5** | **2.5** |

### 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** | **%** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mammals** |
| **Rodents** |
| 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** |
| **Rabbits** |
| Rabbits | 19,325 | 13 | 0 | 0 | 0 | 9,764 | 820 | 36 | 504 | 1,574 | 135 | 226 | 10,444 | **364,431** | **3.8** |
| **Carnivores** |
| 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** |
| **Farm animals** |
| 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** |
| **Non-human primates** |
| 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** |
| **Other mammals** |
| Other mammals | 30 | 0 | 0 | 140 | 0 | 3,315 | 639 | 32 | 0 | 327 | 0 | 0 | 804 | **27,066** | **0.3** |
| **Birds** |
| 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** |
| **Reptiles** |
| Reptiles | 0 | 0 | 0 | 0 | 0 | 294 | 314 | 0 | 0 | 0 | 0 | 0 | 92 | **6,562** | **0.1** |
| **Amphibians** |
| 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** |
| **Fish** |
| 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** |
| **Cephalopods** |
| Cephalopods | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 450 | 0 | 0 | 0 | 0 | 0 | **514** | **0** |
| **Totals** |
| **Total** | **569,177** | **2,766** | **25,517** | **5,289** | **250** | **464,915** | **155,375** | **42,021** | **14,642** | **289,846** | **5,087** | **14,743** | **1,905,988** | **9,581,741** | **100** |
| **%** | **5.9** | **0** | **0.3** | **0.1** | **0** | **4.9** | **1.6** | **0.4** | **0.2** | **3** | **0.1** | **0.2** | **19.9** | **100** |  |

### 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 State1) (2017)

|  | **Reuse2)** | **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** |
| **Total** | **14,373** | **24,875** | **9,223** | **118,425** | **3,686** | **16** | **3,960** | **17,819** | **4,155** | **36,692** | **0** | **162** | **586** | **7,799** | **0** | **10,792** | **188** | **534** | **23,429** | **55** | **213,948** | **490,717** | **100.0** |
| **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** |
| **Total** | **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** |
| **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** |
| **Total** | **0** | **0** | **0** | **17** | **0** | **0** | **0** | **0** | **0** | **306** | **0** | **152** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **475** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **64** | **2** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **36** | **0** | **0** | **0** | **0** | **0** | **0** | **124** | **227** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **17** | **17** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **10** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **61** | **0** | **0** | **0** | **0** | **61** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **647** | **647** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **250** | **250** | **100.0** |
| **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** |
| **Total** | **8,185** | **4,523** | **14,351** | **51,991** | **0** | **0** | **0** | **4,886** | **699** | **5,080** | **230** | **567** | **0** | **0** | **77** | **167** | **0** | **0** | **9,817** | **0** | **50,023** | **150,596** | **100.0** |
| **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** |
| **Total** | **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** |
| **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** |
| **Total** | **22,558** | **29,620** | **25,686** | **177,251** | **3,688** | **88** | **3,960** | **23,941** | **4,859** | **45,424** | **230** | **881** | **586** | **8,345** | **77** | **10,968** | **358** | **534** | **33,246** | **55** | **265,174** | **657,529** | **100.0** |

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 State1) (2017)

|  | **Reuse2)** | **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** |
| **Total** | **28,632** | **2,260** | **0** | **61,313** | **29** | **394** | **38,443** | **215** | **69,742** | **96** | **473** | **2,485** | **0** | **1,057** | **501** | **9,447** | **1,659** | **540** | **346,498** | **563,784** | **100.0** |
| **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** |
| **Total** | **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** |
| **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** |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **10** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **367** | **367** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **392** | **392** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **2,272** | **0** | **0** | **14,759** | **0** | **0** | **0** | **0** | **0** | **247** | **181** | **0** | **368** | **0** | **0** | **53,013** | **70,840** | **100.0** |
| **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** |
| **Total** | **0** | **0** | **0** | **116** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **524** | **640** | **100.0** |
| **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** |
| **Total** | **29,361** | **2,260** | **0** | **65,275** | **29** | **394** | **53,202** | **215** | **70,507** | **96** | **473** | **2,538** | **247** | **1,667** | **501** | **9,815** | **1,679** | **860** | **403,713** | **642,832** | **100.0** |

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.