

# EU Statistical Data of all uses of animals

Member State: Slovakia

Year: 2018

## All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	7,139	40.58%
Rats	9,137	51.94%
Guinea-Pigs	752	4.27%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil	9	0.05%
Other Rodents		
Rabbits	275	1.56%
Cats	12	0.07%
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys & cross-breeds		
Pigs	2	0.01%
Goats		
Sheep		
Cattle		
Prosimians		
Marmoset and tamarins		
Cynomolgus monkey		
Rhesus monkey		
Vervets Chlorocebus spp.		
Baboons		
Squirrel monkey		
Other species of New World Monkeys (Ceboidea)		
Other species of Old World Monkeys (Cercopithecoidea)		
Other species of non-human primates		
Apes		
Other Mammals		
Domestic fowl	243	1.38%
Other birds	23	0.13%
Reptiles		
Rana		
Xenopus		
Other Amphibians		
Zebra fish		
Other Fish		
Cephalopods		
<b>Total uses</b>	<b>17,592</b>	<b>100.00%</b>

## Origin as registered at the first use

Place of Birth	Number of uses	Percentage
Animals born in the EU at a registered breeder	17,555	100.00%
Animals born in the EU but not at a registered breeder		
Animals born in rest of Europe		
Animals born in rest of world		
<b>Total uses</b>	<b>17,555</b>	<b>100.00%</b>

NHP Source (origin)	Number of uses	Percentage
Animals born at a registered breeder within EU		
Animals born in rest of Europe		
Animals born in Asia		
Animals born in America		
Animals born in Africa		
Animals born elsewhere		
<b>Total uses</b>		

NHP Generation	Number of uses	Percentage
F0		
F1		
F2 or greater		
Self-sustaining colony		
<b>Total uses</b>		

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Purpose Category level 1	Number of uses	Percentage
Basic Research	11,364	64.60%
Translational and applied research	638	3.63%
Regulatory use and Routine production	4,828	27.44%
Protection of the natural environment in the interests of the health or welfare of human beings or animals		
Preservation of species		
Higher education or training for the acquisition, maintenance or improvement of vocational skills	30	0.17%
<b>Purpose for which animals are used</b>		
Maintenance of colonies of established genetically altered animals, not used in other procedures	732	4.16%
<b>Total uses</b>	<b>17,592</b>	<b>100.00%</b>

Basic Research	Number of uses	Percentage
Oncology	916	8.06%
Cardiovascular Blood and Lymphatic System	1,075	9.46%
Nervous System	4,414	38.84%
Respiratory System	471	4.14%
Gastrointestinal System including Liver	171	1.50%
Musculoskeletal System	23	0.20%
Immune System	624	5.49%
Urogenital/Reproductive System	1,910	16.81%
Sensory Organs (skin, eyes and ears)	9	0.08%
Endocrine System/Metabolism	543	4.78%
Multisystemic		
Ethology / Animal Behaviour /Animal Biology	481	4.23%
Other basic research	727	6.40%
<b>Total uses</b>	<b>11,364</b>	<b>100.00%</b>

Translational and applied research	Number of uses	Percentage
Human Cancer	42	6.58%
Human Infectious Disorders		
Human Cardiovascular Disorders	124	19.44%
Human Nervous and Mental Disorders	226	35.42%
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver		
Human Musculoskeletal Disorders	17	2.66%
Human Immune Disorders		
Human Urogenital/Reproductive Disorders	63	9.87%
Human Sensory Organ Disorders (skin, eyes and ears)	16	2.51%
Human Endocrine/Metabolism Disorders	100	15.67%
Other Human Disorders	50	7.84%
Animal Diseases and Disorders		
Animal Welfare		
Diagnosis of diseases		
Plant diseases		
Non-regulatory toxicology and ecotoxicology		
<b>Total uses</b>	<b>638</b>	<b>100.00%</b>

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Regulatory use and routine Production	Number of uses	Percentage
Quality control (incl batch safety and potency testing)	665	13.77%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	4,132	85.58%
Routine production	31	0.64%
<b>Total uses</b>	<b>4,828</b>	<b>100.00%</b>

Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	542	81.50%
Pyrogenicity testing		
Batch potency testing	123	18.50%
Other quality controls		
<b>Total uses</b>	<b>665</b>	<b>100.00%</b>

Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	492	11.91%
Skin irritation/corrosion		
Skin sensitisation	418	10.12%
Eye irritation/corrosion		
Repeated dose toxicity	168	4.07%
Carcinogenicity		
Genotoxicity	4	0.10%
Reproductive toxicity	2,499	60.48%
Developmental toxicity	542	13.12%
Neurotoxicity		
Kinetics		
Pharmaco-dynamics (incl safety pharmacology)		
Phototoxicity		
Ecotoxicity		
Safety testing in food and feed area		
Target animal safety		
Other toxicity/safety testing	9	0.22%
<b>Total uses</b>	<b>4,132</b>	<b>100.00%</b>

Regulatory use and routine production – Toxicity and other safety testing including pharmacology – Acute and sub-acute toxicity testing methods	Number of uses	Percentage
LD50, LC50	492	100.00%
Other lethal methods		
Non lethal methods		
<b>Total uses</b>	<b>492</b>	<b>100.00%</b>

Regulatory use and routine production – Toxicity and other safety testing including pharmacology – Repeated dose toxicity	Number of uses	Percentage
up to 28 days	78	46.43%
29 - 90 days	90	53.57%
> 90 days		
<b>Total uses</b>	<b>168</b>	<b>100.00%</b>

Regulatory use and routine production – Toxicity and other safety testing including pharmacology – Ecotoxicity	Number of uses	Percentage
Acute toxicity		
Chronic toxicity		
Reproductive ecotoxicity		
Endocrine activity		
Bioaccumulation		
Other ecotoxicity		
<b>Total uses</b>		

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Regulatory use and routine production – Routine production	Number of uses	Percentage
Blood based products	31	100.00%
Monoclonal antibody by mouse ascites method		
Other product types		
<b>Total uses</b>	<b>31</b>	<b>100.00%</b>

## Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	573	11.87%
Legislation on medicinal products for veterinary use and their residues	123	2.55%
Medical devices legislation	9	0.19%
Industrial chemicals legislation	3,487	72.22%
Plant protection product legislation		
Biocides legislation		
Food legislation including food contact material	542	11.23%
Feed legislation including legislation for the safety of target animals, workers and environment	90	1.86%
Cosmetics legislation		
Other legislation	4	0.08%
<b>Total uses</b>	<b>4,828</b>	<b>100.00%</b>

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	4,828	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
<b>Total uses</b>	<b>4,828</b>	<b>100.00%</b>

## First use and re-use

Re-Use	Number of uses	Percentage
No	17,555	99.79%
Yes	37	0.21%
<b>Total uses</b>	<b>17,592</b>	<b>100.00%</b>

## Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	17,592	100.00%
Yes		
<b>Total uses</b>	<b>17,592</b>	<b>100.00%</b>

## Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	475	2.70%
Mild [up to and including]	3,776	21.46%
Moderate	11,966	68.02%
Severe	1,375	7.82%
<b>Total uses</b>	<b>17,592</b>	<b>100.00%</b>

## Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	15,881	90.27%
Genetically altered without a harmful phenotype	512	2.91%
Genetically altered with a harmful phenotype	1,199	6.82%
<b>Total uses</b>	<b>17,592</b>	<b>100.00%</b>