

# EU Statistical Data of all uses of animals

Member State: Slovakia

Year: 2017

## All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	6,087	38.99%
Rats	7,948	50.91%
Guinea-Pigs	1,036	6.64%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil	9	0.06%
Other Rodents		
Rabbits	226	1.45%
Cats	11	0.07%
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys & cross-breeds		
Pigs		
Goats		
Sheep	2	0.01%
Cattle	1	0.01%
Prosimians		
Marmoset and tamarins		
Cynomolgus monkey		
Rhesus monkey		
Vervets Chlorocebus spp.		
Baboons		
Squirrel monkey		
Other species of New World Monkeys (Cebioidea)		
Other species of Old World Monkeys (Cercopithecoidea)		
Other species of non-human primates		
Apes		
Other Mammals		
Domestic fowl	233	1.49%
Other birds	59	0.38%
Reptiles		
Rana		
Xenopus		
Other Amphibians		
Zebra fish		
Other Fish		
Cephalopods		
<b>Total uses</b>	<b>15,612</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	14,686	94.30%
Animals born in the EU but not at a registered breeder	888	5.70%
Animals born in rest of Europe		
Animals born in rest of world		
<b>Total uses</b>	<b>15,574</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 for which animals are used

Purpose Category level 1	Number of uses	Percentage
Basic Research	10,819	69.30%
Translational and applied research	1,046	6.70%
Regulatory use and Routine production	2,831	18.13%
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	56	0.36%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures	860	5.51%
<b>Total uses</b>	<b>15,612</b>	<b>100.00%</b>

Basic Research	Number of uses	Percentage
Oncology	316	2.92%
Cardiovascular Blood and Lymphatic System	932	8.61%
Nervous System	4,076	37.67%
Respiratory System	607	5.61%
Gastrointestinal System including Liver	180	1.66%
Musculoskeletal System	19	0.18%
Immune System	424	3.92%
Urogenital/Reproductive System	1,175	10.86%
Sensory Organs (skin, eyes and ears)	9	0.08%
Endocrine System/Metabolism	610	5.64%
Multisystemic	782	7.23%
Ethology / Animal Behaviour /Animal Biology	595	5.50%
Other basic research	1,094	10.11%
<b>Total uses</b>	<b>10,819</b>	<b>100.00%</b>

Translational and applied research	Number of uses	Percentage
Human Cancer		
Human Infectious Disorders		
Human Cardiovascular Disorders	20	1.91%
Human Nervous and Mental Disorders	528	50.48%
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver		
Human Musculoskeletal Disorders		
Human Immune Disorders	21	2.01%
Human Urogenital/Reproductive Disorders	10	0.96%
Human Sensory Organ Disorders (skin, eyes and ears)	27	2.58%
Human Endocrine/Metabolism Disorders	60	5.74%
Other Human Disorders		
Animal Diseases and Disorders	374	35.76%
Animal Welfare		
Diagnosis of diseases	6	0.57%
Plant diseases		
Non-regulatory toxicology and ecotoxicology		
<b>Total uses</b>	<b>1,046</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)	1,014	35.82%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	1,786	63.09%
Routine production	31	1.10%
<b>Total uses</b>	<b>2,831</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	867	85.50%
Pyrogenicity testing		
Batch potency testing	147	14.50%
Other quality controls		
<b>Total uses</b>	<b>1,014</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	662	37.07%
Skin irritation/corrosion		
Skin sensitisation	542	30.35%
Eye irritation/corrosion		
Repeated dose toxicity	460	25.76%
Carcinogenicity		
Genotoxicity		
Reproductive toxicity	122	6.83%
Developmental toxicity		
Neurotoxicity		
Kinetics		
Pharmaco-dynamics (incl safety pharmacology)		
Phototoxicity		
Ecotoxicity		
Safety testing in food and feed area		
Target animal safety		
Other toxicity/safety testing		
<b>Total uses</b>	<b>1,786</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	662	100.00%
Other lethal methods		
Non lethal methods		
<b>Total uses</b>	<b>662</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	280	60.87%
29 - 90 days	180	39.13%
> 90 days		
<b>Total uses</b>	<b>460</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>		

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

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## Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	1,300	45.77%
Legislation on medicinal products for veterinary use and their residues	133	4.68%
Medical devices legislation	73	2.57%
Industrial chemicals legislation	955	33.63%
Plant protection product legislation	9	0.32%
Biocides legislation		
Food legislation including food contact material	190	6.69%
Feed legislation including legislation for the safety of target animals, workers and environment	180	6.34%
Cosmetics legislation		
Other legislation		
<b>Total uses</b>	<b>2,840</b>	<b>100.00%</b>

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	2,840	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
<b>Total uses</b>	<b>2,840</b>	<b>100.00%</b>

## First use and re-use

Re-Use	Number of uses	Percentage
No	15,574	99.76%
Yes	38	0.24%
<b>Total uses</b>	<b>15,612</b>	<b>100.00%</b>

## Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	1,101	7.05%
Mild [up to and including]	5,185	33.21%
Moderate	8,972	57.47%
Severe	354	2.27%
<b>Total uses</b>	<b>15,612</b>	<b>100.00%</b>

## Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	15,612	100.00%
Yes		
<b>Total uses</b>	<b>15,612</b>	<b>100.00%</b>

## Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	14,113	90.40%
Genetically altered without a harmful phenotype	260	1.67%
Genetically altered with a harmful phenotype	1,239	7.94%
<b>Total uses</b>	<b>15,612</b>	<b>100.00%</b>

Speaking of Research