

# EU Statistical Data of all uses of animals

Member State: Croatia

Year: 2018

## All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	18,295	70.87%
Rats	6,885	26.67%
Guinea-Pigs	17	0.07%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil		
Other rodents		
Rabbits	250	0.97%
Cats		
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys and cross-breeds	18	0.07%
Pigs	20	0.08%
Goats		
Sheep	22	0.09%
Cattle		
Prosimians		
Marmoset and tamarins		
Cynomolgus monkey		
Rhesus monkey		
Vervets (Chlorocebus spp.)		
Baboons		
Squirrel monkey		
Other species of non-human primates		
Other species of Old World Monkeys (Cercopithecoidea)		
Other species of New World Monkeys (Ceboidea)		
Apes		
Other mammals		
Domestic fowl	275	1.07%
Other birds		
Reptiles		
Rana		
Xenopus		
Other amphibians		
Zebra fish	34	0.13%
Other fish		
Cephalopods		
<b>Total uses</b>	<b>25,816</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	25,739	99.88%
Animals born in the EU but not at a registered breeder	30	0.12%
Animals born in rest of Europe		
Animals born in rest of world		
<b>Total uses</b>	<b>25,769</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	18,865	73.07%
Translational and applied research	3,169	12.28%
Regulatory use and Routine production	2,461	9.53%
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	1,321	5.12%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures		
<b>Total uses</b>	<b>25,816</b>	<b>100.00%</b>

Basic Research	Number of uses	Percentage
Oncology	502	2.66%
Cardiovascular Blood and Lymphatic System	569	3.02%
Nervous System	1,241	6.58%
Respiratory System	2,975	15.77%
Gastrointestinal System including Liver	3,512	18.62%
Musculoskeletal System	173	0.92%
Immune System	4,740	25.13%
Urogenital/Reproductive System	568	3.01%
Sensory Organs (skin, eyes and ears)	946	5.01%
Endocrine System/Metabolism	636	3.37%
Multisystemic	2,681	14.21%
Ethology / Animal Behaviour /Animal Biology	37	0.20%
Other basic research	285	1.51%
<b>Total uses</b>	<b>18,865</b>	<b>100.00%</b>

Translational and applied research	Number of uses	Percentage
Human Cancer		
Human Infectious Disorders		
Human Cardiovascular Disorders		
Human Nervous and Mental Disorders	31	0.98%
Human Respiratory Disorders	2,587	81.63%
Human Gastrointestinal Disorders including Liver	100	3.16%
Human Musculoskeletal Disorders	70	2.21%
Human Immune Disorders		
Human Urogenital/Reproductive Disorders		
Human Sensory Organ Disorders (skin, eyes and ears)		
Human Endocrine/Metabolism Disorders	220	6.94%
Other Human Disorders	120	3.79%
Animal Diseases and Disorders		
Animal Welfare		
Diagnosis of diseases	7	0.22%
Plant diseases		
Non-regulatory toxicology and ecotoxicology	34	1.07%
<b>Total uses</b>	<b>3,169</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)	1,175	47.74%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	1,251	50.83%
Routine production	35	1.42%
<b>Total uses</b>	<b>2,461</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	275	23.40%
Pyrogenicity testing		
Batch potency testing		
Other quality controls	900	76.60%
<b>Total uses</b>	<b>1,175</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	268	21.42%
Skin irritation/corrosion		
Skin sensitisation		
Eye irritation/corrosion		
Repeated dose toxicity		
Carcinogenicity		
Genotoxicity		
Reproductive toxicity		
Developmental toxicity		
Neurotoxicity		
Kinetics	983	78.58%
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>1,251</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		
Other lethal methods		
Non lethal methods	268	100.00%
<b>Total uses</b>	<b>268</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		
29 - 90 days		
> 90 days		
<b>Total uses</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	35	100.00%
Monoclonal antibody by mouse ascites method		
Other product types		
<b>Total uses</b>	<b>35</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	2,186	88.83%
Legislation on medicinal products for veterinary use and their residues	275	11.17%
Medical devices legislation		
Industrial chemicals legislation		
Plant protection product legislation		
Biocides legislation		
Food legislation including food contact material		
Feed legislation including legislation for the safety of target animals, workers and environment		
Cosmetics legislation		
Other legislation		
<b>Total uses</b>	<b>2,461</b>	<b>100.00%</b>

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	2,461	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
<b>Total uses</b>	<b>2,461</b>	<b>100.00%</b>

## First use and re-use

Re-Use	Number of uses	Percentage
No	25,769	99.82%
Yes	47	0.18%
<b>Total uses</b>	<b>25,816</b>	<b>100.00%</b>

## Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	25,782	99.87%
Yes	34	0.13%
<b>Total uses</b>	<b>25,816</b>	<b>100.00%</b>

## Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	1,250	4.84%
Mild [up to and including]	7,693	29.80%
Moderate	16,170	62.64%
Severe	703	2.72%
<b>Total uses</b>	<b>25,816</b>	<b>100.00%</b>

## Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	24,711	95.72%
Genetically altered without a harmful phenotype	968	3.75%
Genetically altered with a harmful phenotype	137	0.53%
<b>Total uses</b>	<b>25,816</b>	<b>100.00%</b>