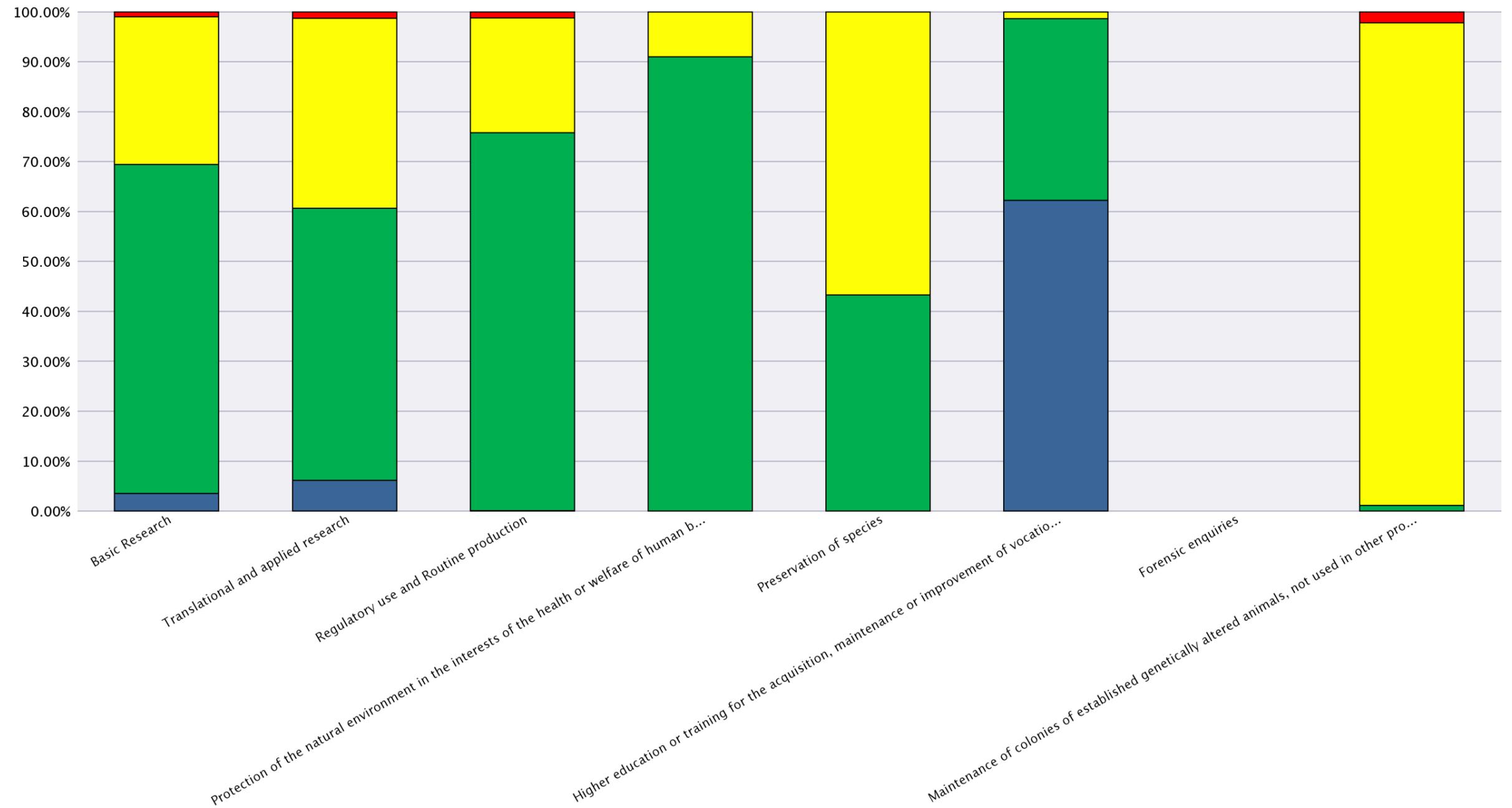


DP.E.1. Purposes and severity

Primary purposes

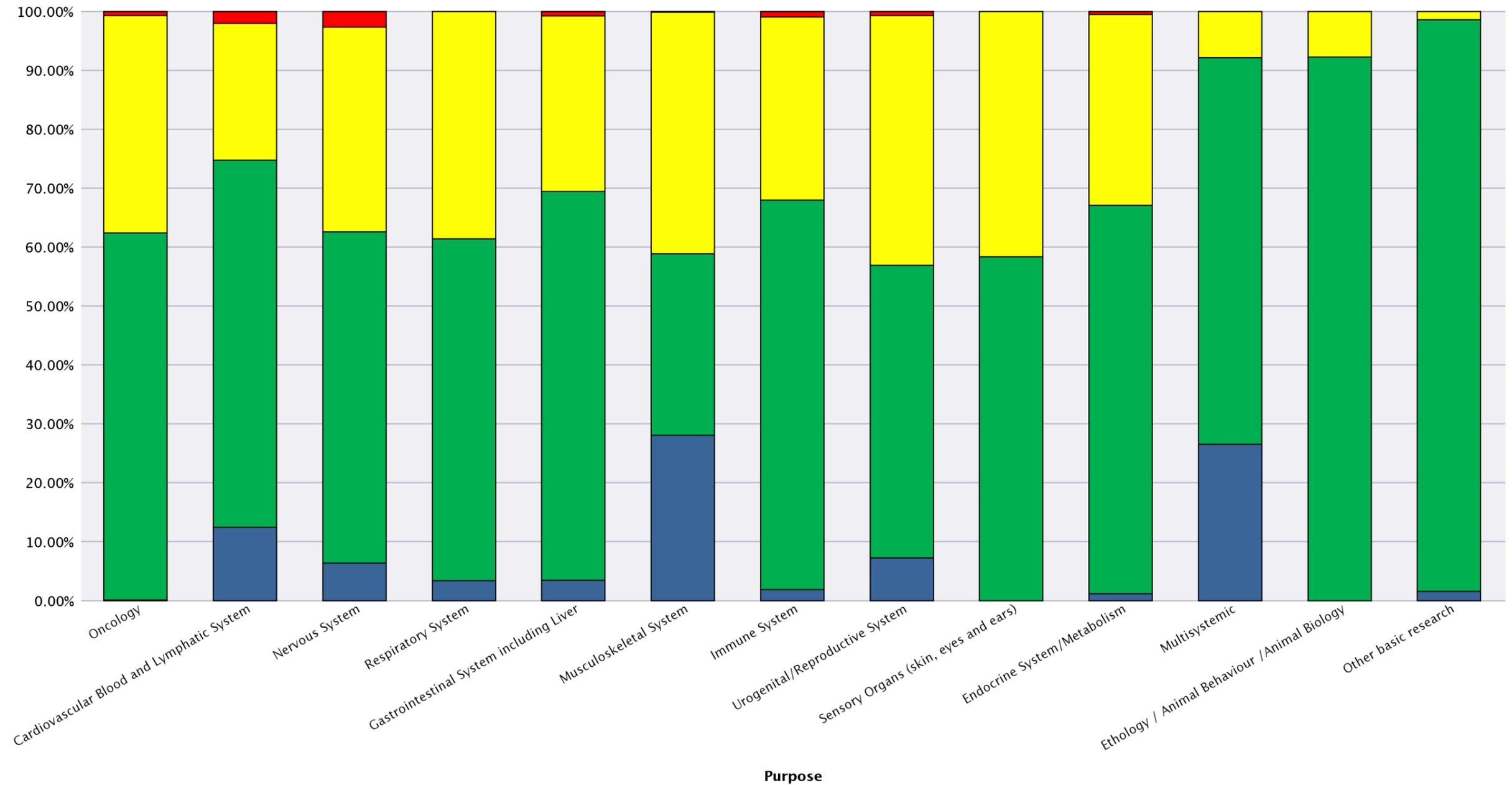
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Basic Research	3,709	69,670	31,221	1,055	105,655
Translational and applied research	7,196	63,858	44,505	1,557	117,116
Regulatory use and Routine production	26	18,323	5,583	293	24,225
Protection of the natural environment in the interests of the health or welfare of human beings or animals		1,454	144		1,598
Preservation of species		408	535		943
Higher education or training for the acquisition, maintenance or improvement of vocational skills	3,194	1,868	70		5,132
Forensic enquiries					
Maintenance of colonies of established genetically altered animals, not used in other procedures		2	173	4	179
Total uses	14,125	155,583	82,231	2,909	254,848
%	5.54%	61.05%	32.27%	1.14%	



DP.E.1. Purposes and severity

Basic research purposes

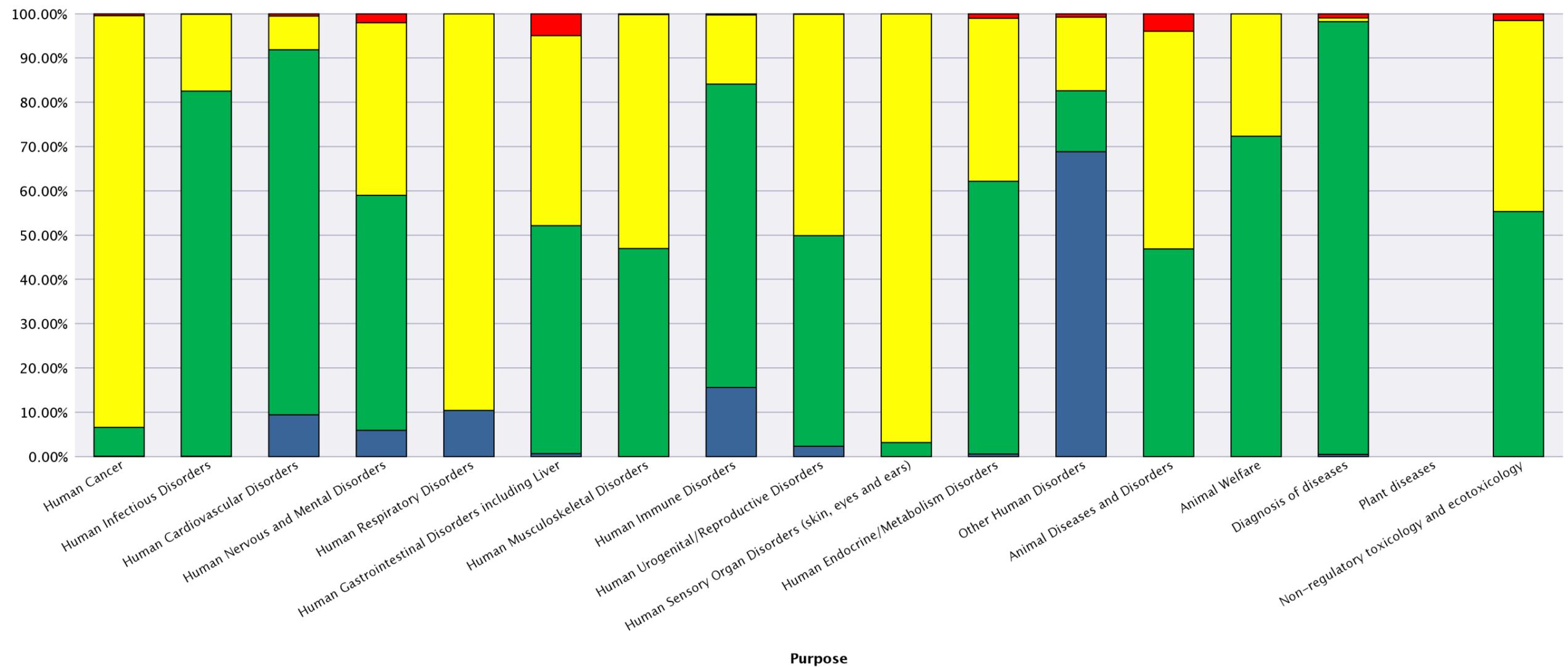
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Oncology	22	13,712	8,110	166	22,010
Cardiovascular Blood and Lymphatic System	654	3,271	1,219	107	5,251
Nervous System	1,016	9,019	5,565	426	16,026
Respiratory System	88	1,513	1,006	1	2,608
Gastrointestinal System including Liver	127	2,429	1,097	29	3,682
Musculoskeletal System	824	904	1,203	4	2,935
Immune System	480	16,913	7,957	248	25,598
Urogenital/Reproductive System	90	614	525	9	1,238
Sensory Organs (skin, eyes and ears)		234	167		401
Endocrine System/Metabolism	138	7,583	3,731	62	11,514
Multisystemic	152	376	45		573
Ethology / Animal Behaviour /Animal Biology		5,878	492		6,370
Other basic research	118	7,224	104	3	7,449
Total uses	3,709	69,670	31,221	1,055	105,655
%	3.51%	65.94%	29.55%	1.00%	



DP.E.1. Purposes and severity

Translational and applied research purposes

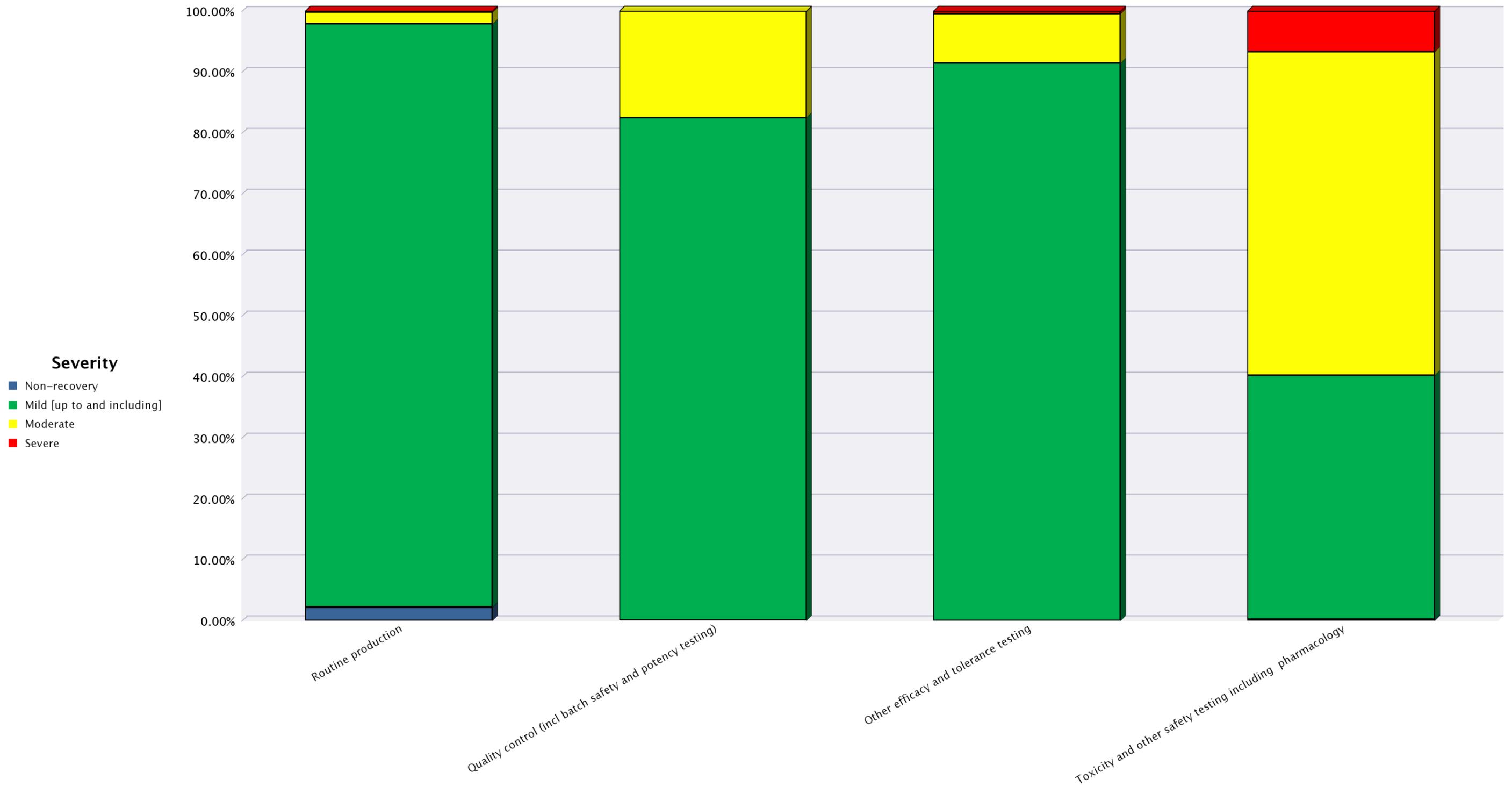
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Human Cancer	5	542	7,700	38	8,285
Human Infectious Disorders	4	6,513	1,370	12	7,899
Human Cardiovascular Disorders	394	3,464	320	22	4,200
Human Nervous and Mental Disorders	1,605	14,530	10,639	570	27,344
Human Respiratory Disorders	5		43		48
Human Gastrointestinal Disorders including Liver	2	156	130	15	303
Human Musculoskeletal Disorders		215	242	1	458
Human Immune Disorders	417	1,835	419	7	2,678
Human Urogenital/Reproductive Disorders	21	430	452	1	904
Human Sensory Organ Disorders (skin, eyes and ears)		4	122		126
Human Endocrine/Metabolism Disorders	240	27,587	16,469	451	44,747
Other Human Disorders	4,497	900	1,086	54	6,537
Animal Diseases and Disorders		4,369	4,579	366	9,314
Animal Welfare		1,819	697		2,516
Diagnosis of diseases	6	1,203	10	12	1,231
Plant diseases					
Non-regulatory toxicology and ecotoxicology		291	227	8	526
Total uses	7,196	63,858	44,505	1,557	117,116
%	6.14%	54.53%	38.00%	1.33%	



DP.E.1. Purposes and severity

Regulatory use and routine production purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Routine production	17	752	15	2	786
Quality control (incl batch safety and potency testing)		15,295	3,250		18,545
Other efficacy and tolerance testing		566	50	3	619
Toxicity and other safety testing including pharmacology	9	1,710	2,268	288	4,275
Total uses	26	18,323	5,583	293	24,225
%	0.11%	75.64%	23.05%	1.21%	



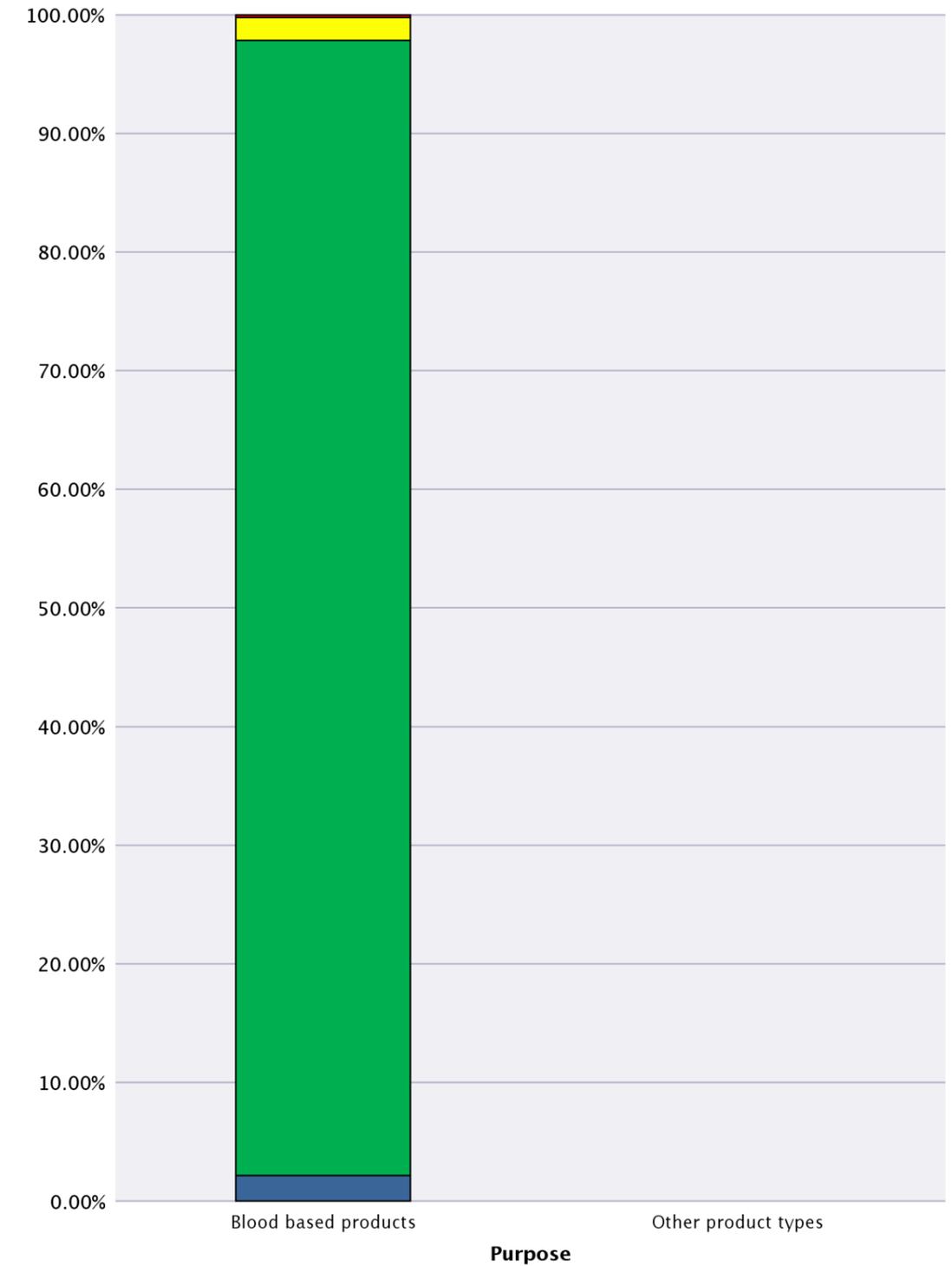
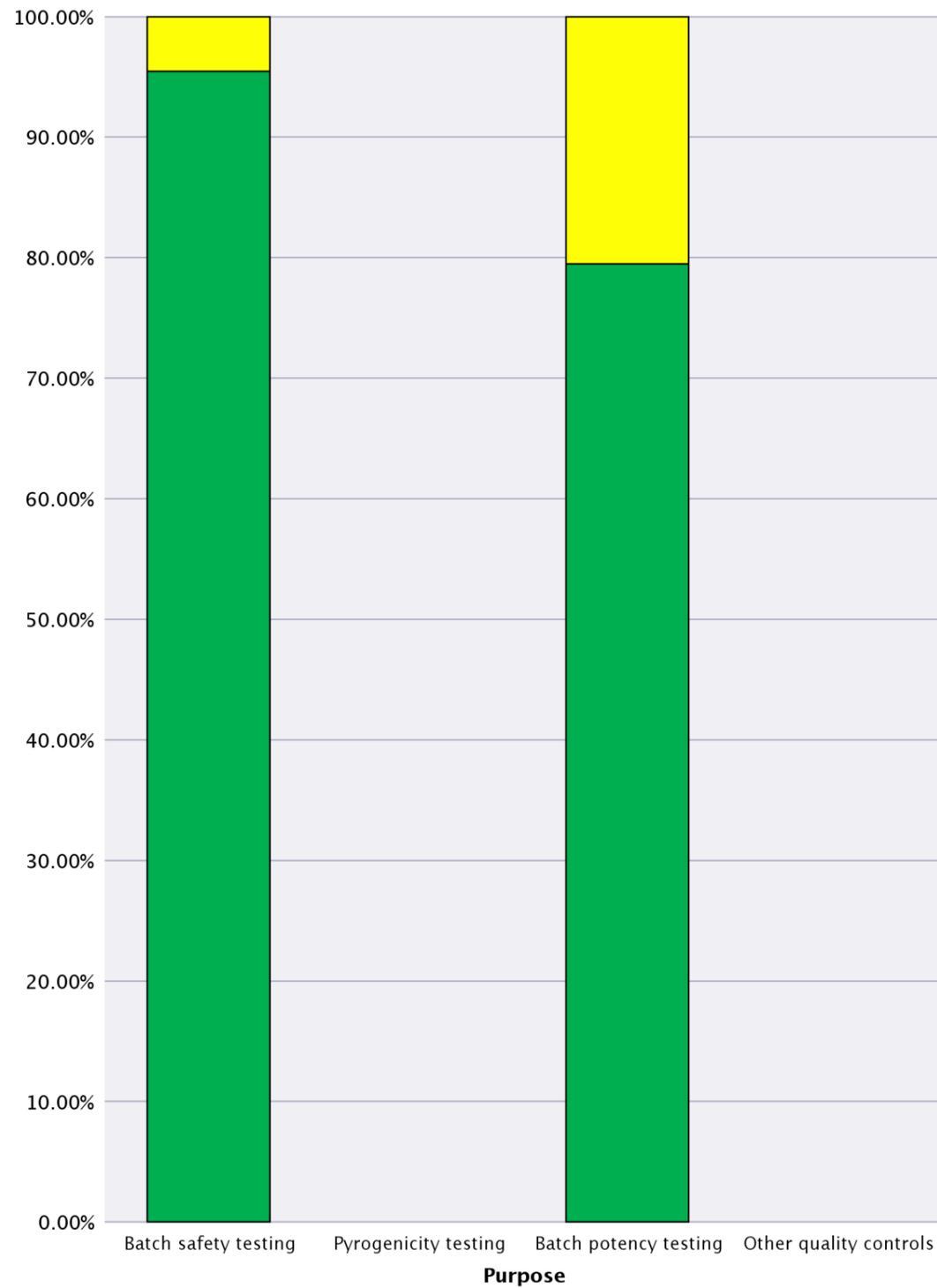
DP.E.1. Purposes and severity

Quality control purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Batch safety testing		3,326	158		3,484
Pyrogenicity testing					
Batch potency testing		11,969	3,092		15,061
Other quality controls					
Total uses		15,295	3,250		18,545
%		82.48%	17.52%		

Routine production purposes

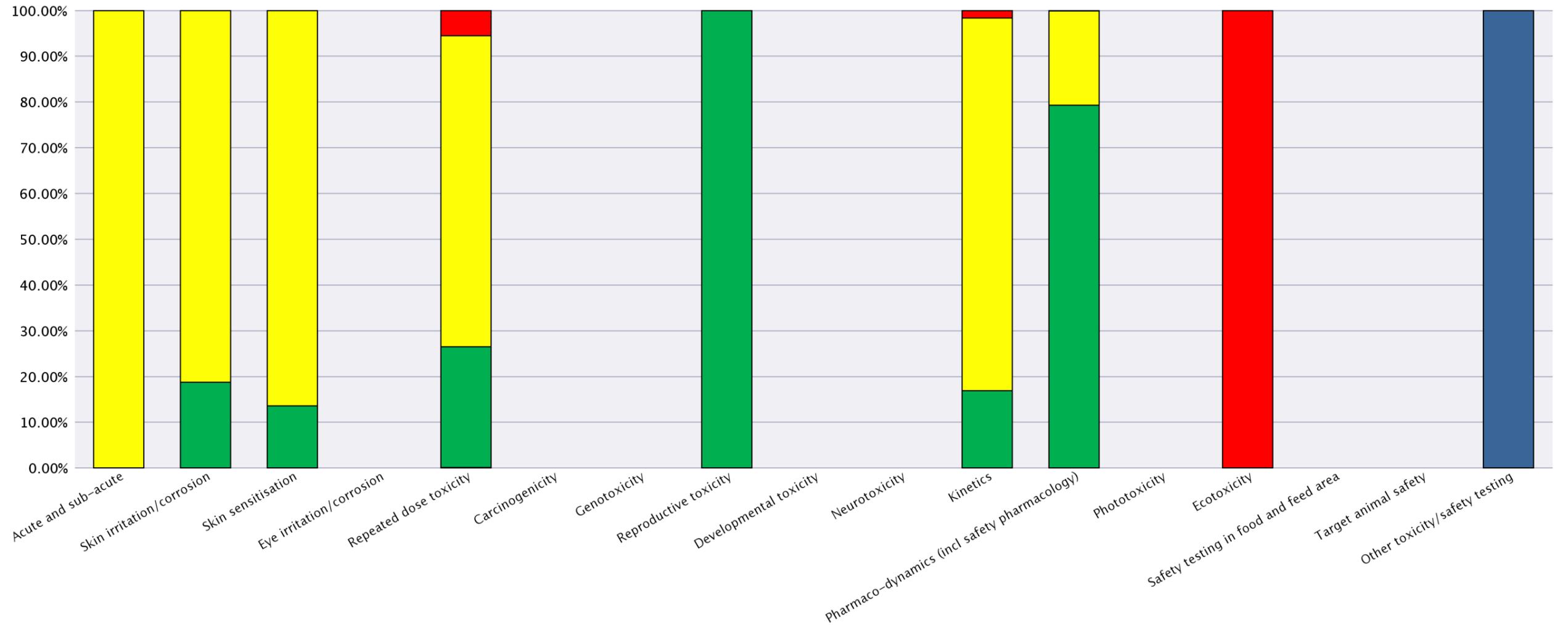
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Blood based products	17	752	15	2	786
Other product types					
Total uses	17	752	15	2	786
%	2.16%	95.67%	1.91%	0.25%	



DP.E.1. Purposes and severity

Toxicity and other safety testing by test type purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Acute and sub-acute				160	160
Skin irritation/corrosion			3	13	16
Skin sensitisation			16	102	118
Eye irritation/corrosion					
Repeated dose toxicity	2	605	1,558	127	2,292
Carcinogenicity					
Genotoxicity					
Reproductive toxicity		480			480
Developmental toxicity					
Neurotoxicity					
Kinetics		61	294	6	361
Pharmaco-dynamics (incl safety pharmacology)		545	141	1	687
Phototoxicity					
Ecotoxicity				154	154
Safety testing in food and feed area					
Target animal safety					
Other toxicity/safety testing	7				7
Total uses	9	1,710	2,268	288	4,275
%	0.21%	40.00%	53.05%	6.74%	



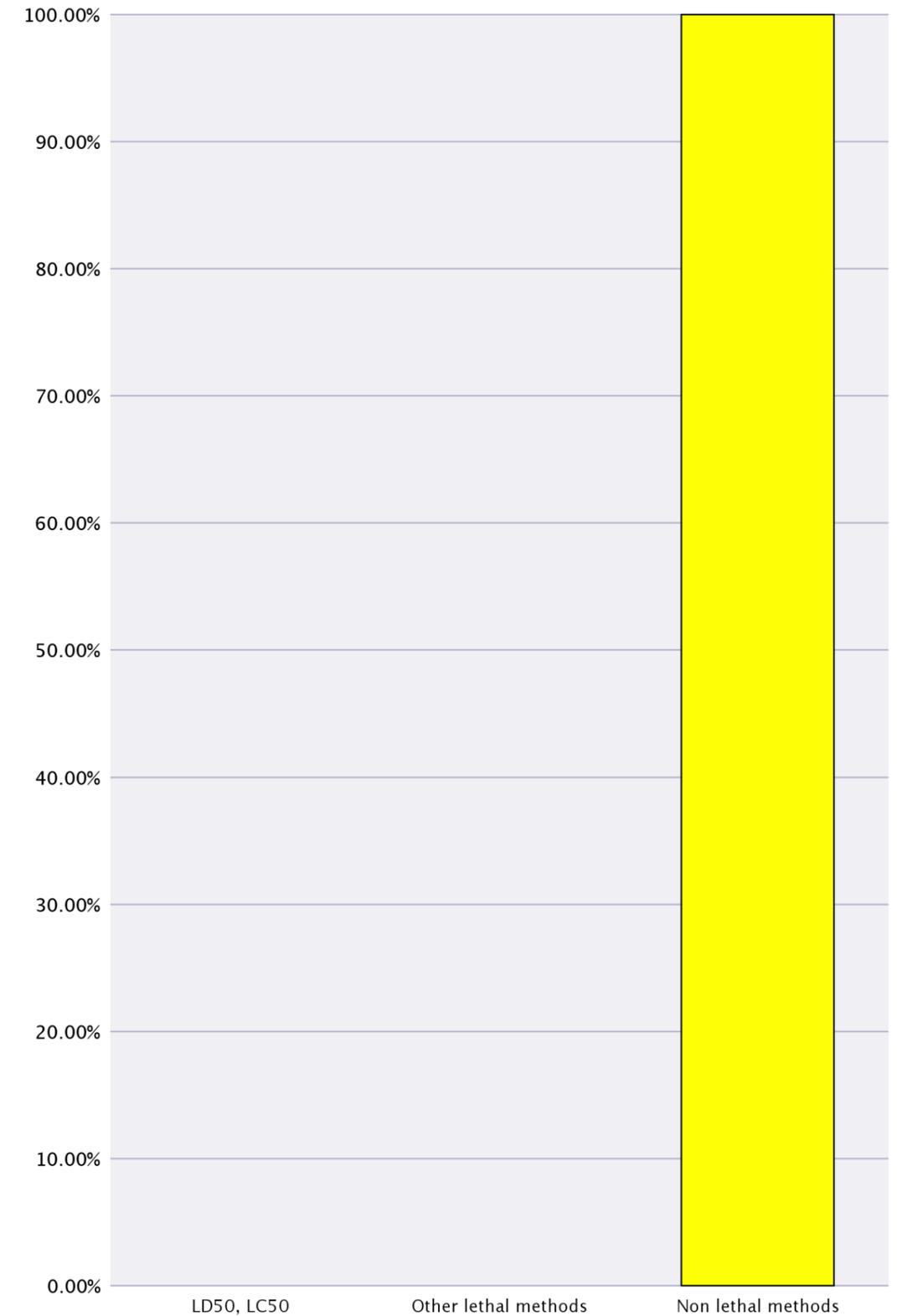
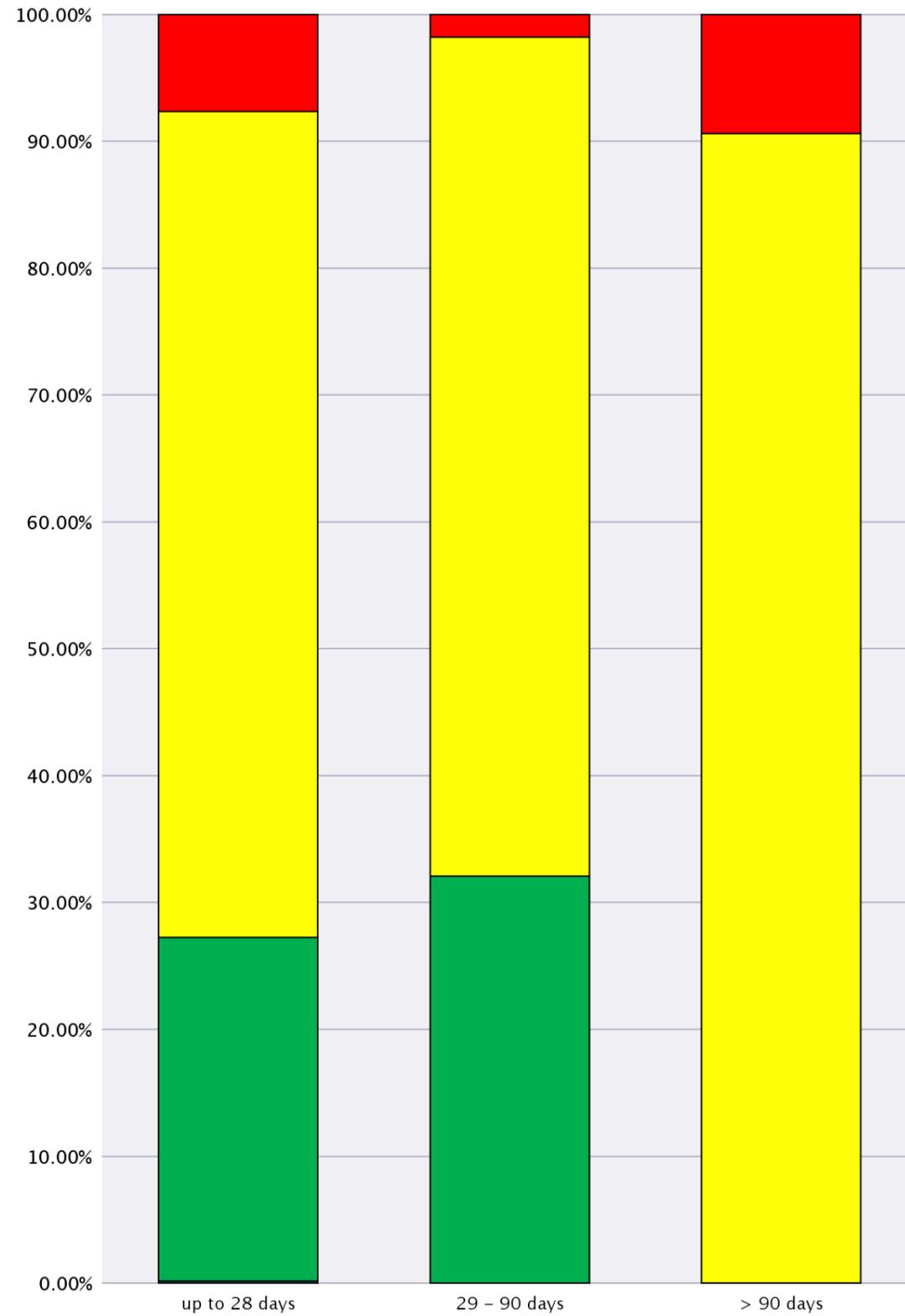
DP.E.1. Purposes and severity

Repeated dose toxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
up to 28 days	2	318	764	90	1,174
29 - 90 days		287	592	16	895
> 90 days			202	21	223
Total uses	2	605	1,558	127	2,292
%	0.09%	26.40%	67.98%	5.54%	

Acute and sub-acute toxicity testing methods

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
LD50, LC50					
Other lethal methods					
Non lethal methods			160		160
Total uses			160		160
%			100.00%		



DP.E.1. Purposes and severity

Ecotoxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Acute toxicity				154	154
Chronic toxicity					
Reproductive ecotoxicity					
Endocrine activity					
Bioaccumulation					
Other ecotoxicity					
Total uses				154	154
%				100.00%	

