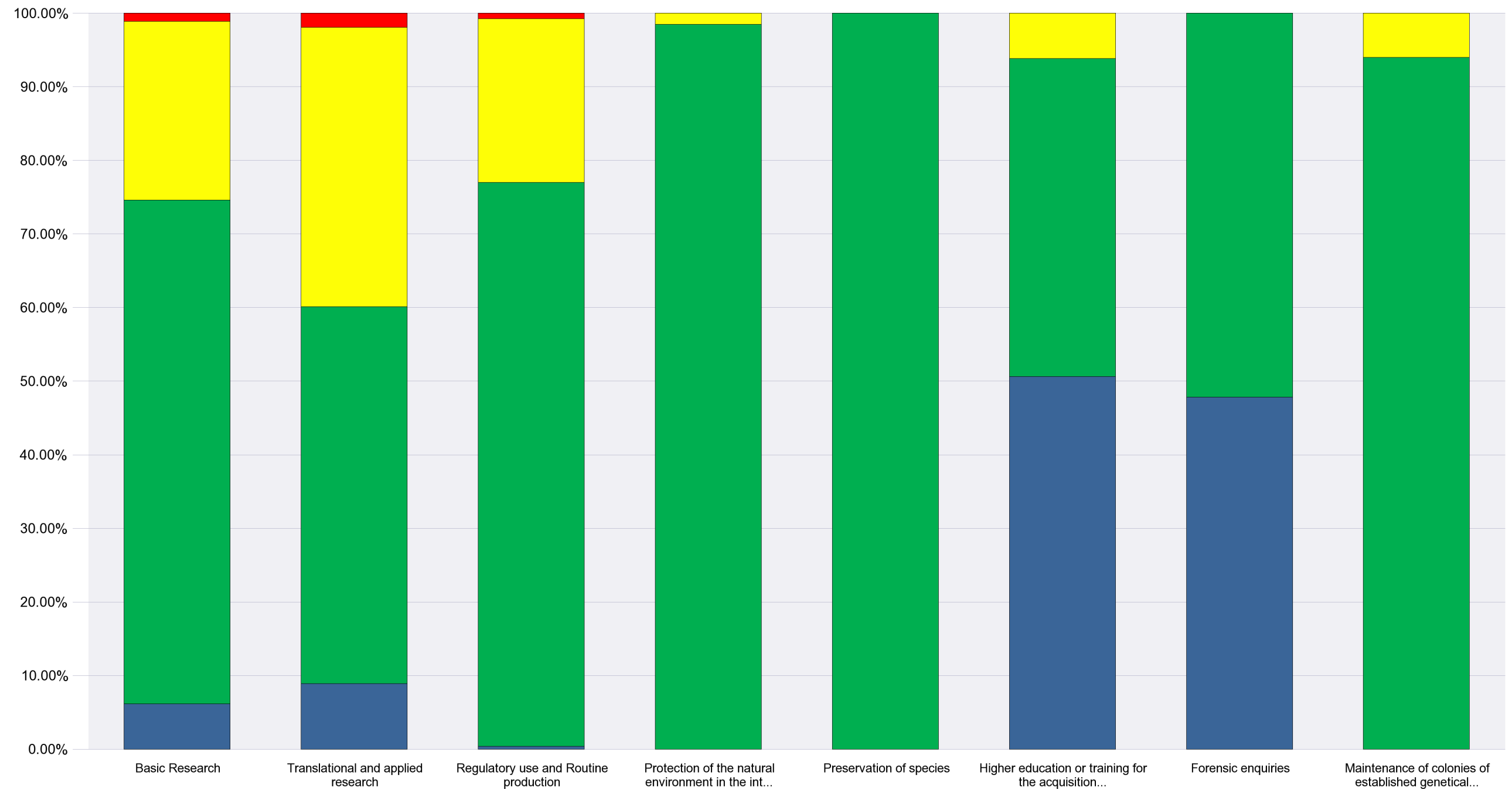


DP.E.1. Purposes and severity

Primary purposes

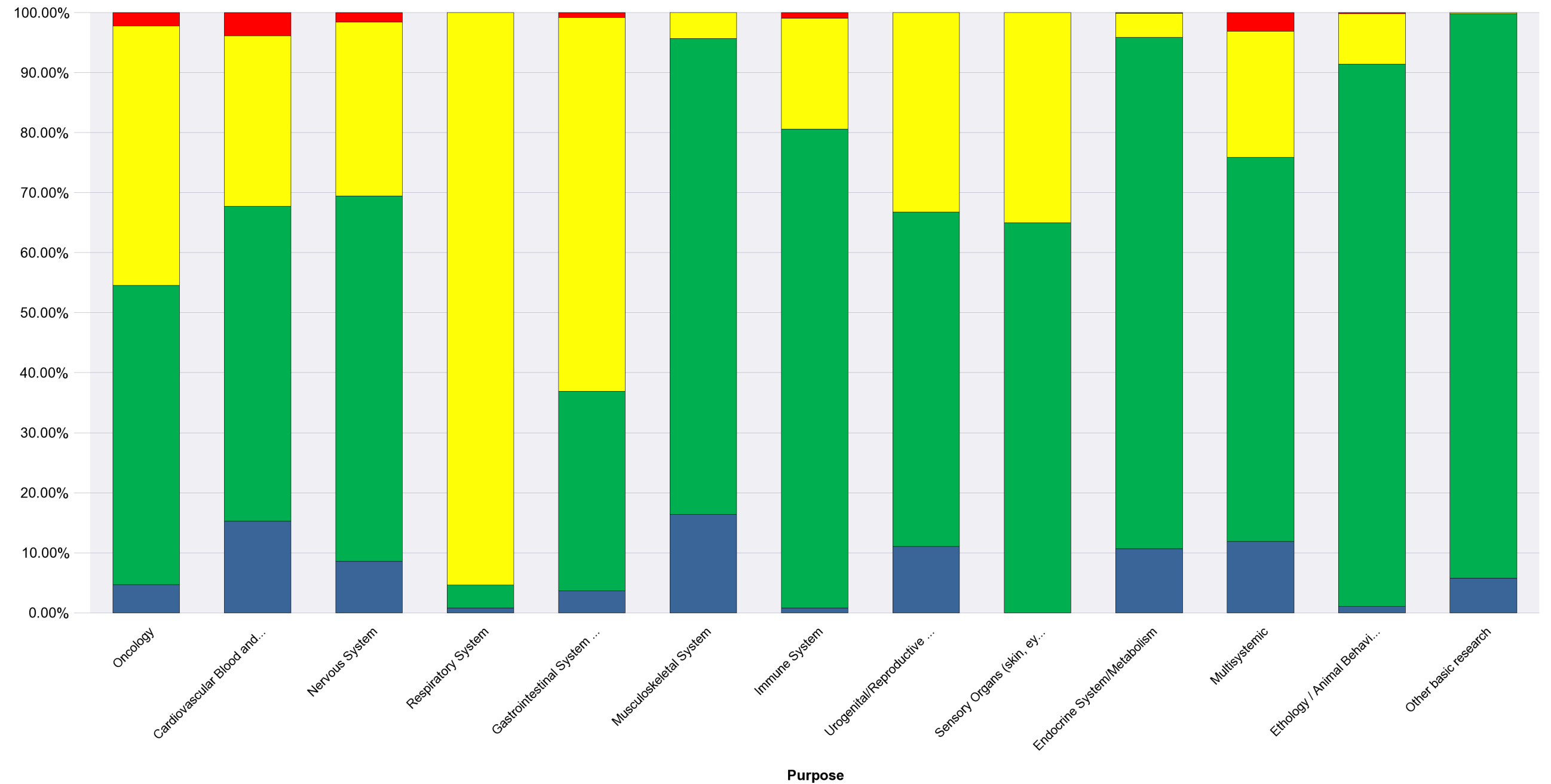
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Basic Research	5,124	56,909	20,207	925	83,165
Translational and applied research	8,959	51,461	38,106	1,933	100,459
Regulatory use and Routine production	34	7,004	2,032	71	9,141
Protection of the natural environment in the interests of the health or welfare of human beings or animals		3,530	55		3,585
Preservation of species		368			368
Higher education or training for the acquisition, maintenance or improvement of vocational skills	2,909	2,482	354		5,745
Forensic enquiries	22	24			46
Maintenance of colonies of established genetically altered animals, not used in other procedures		94	6		100
Total uses	17,048	121,872	60,760	2,929	202,609
%	8.41%	60.15%	29.99%	1.45%	



DP.E.1. Purposes and severity

Basic research purposes

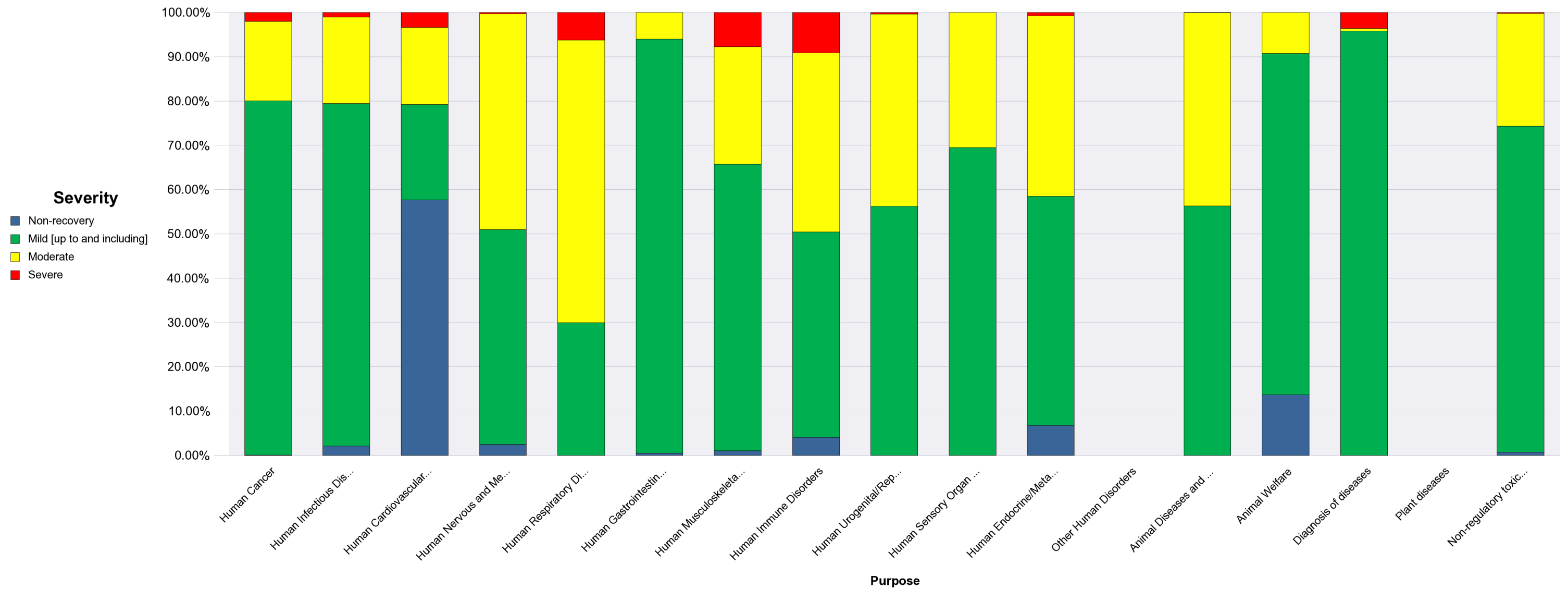
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Oncology	346	3,661	3,176	162	7,345
Cardiovascular Blood and Lymphatic System	701	2,409	1,305	178	4,593
Nervous System	1,530	10,884	5,184	278	17,876
Respiratory System	21	99	2,465		2,585
Gastrointestinal System including Liver	126	1,132	2,125	27	3,410
Musculoskeletal System	452	2,182	118		2,752
Immune System	192	19,322	4,464	231	24,209
Urogenital/Reproductive System	96	483	288		867
Sensory Organs (skin, eyes and ears)		321	173		494
Endocrine System/Metabolism	1,293	10,318	485	10	12,106
Multisystemic	135	728	239	35	1,137
Ethology / Animal Behaviour /Animal Biology	22	1,935	180	4	2,141
Other basic research	210	3,435	5		3,650
Total uses	5,124	56,909	20,207	925	83,165
%	6.16%	68.43%	24.30%	1.11%	



DP.E.1. Purposes and severity

Translational and applied research purposes

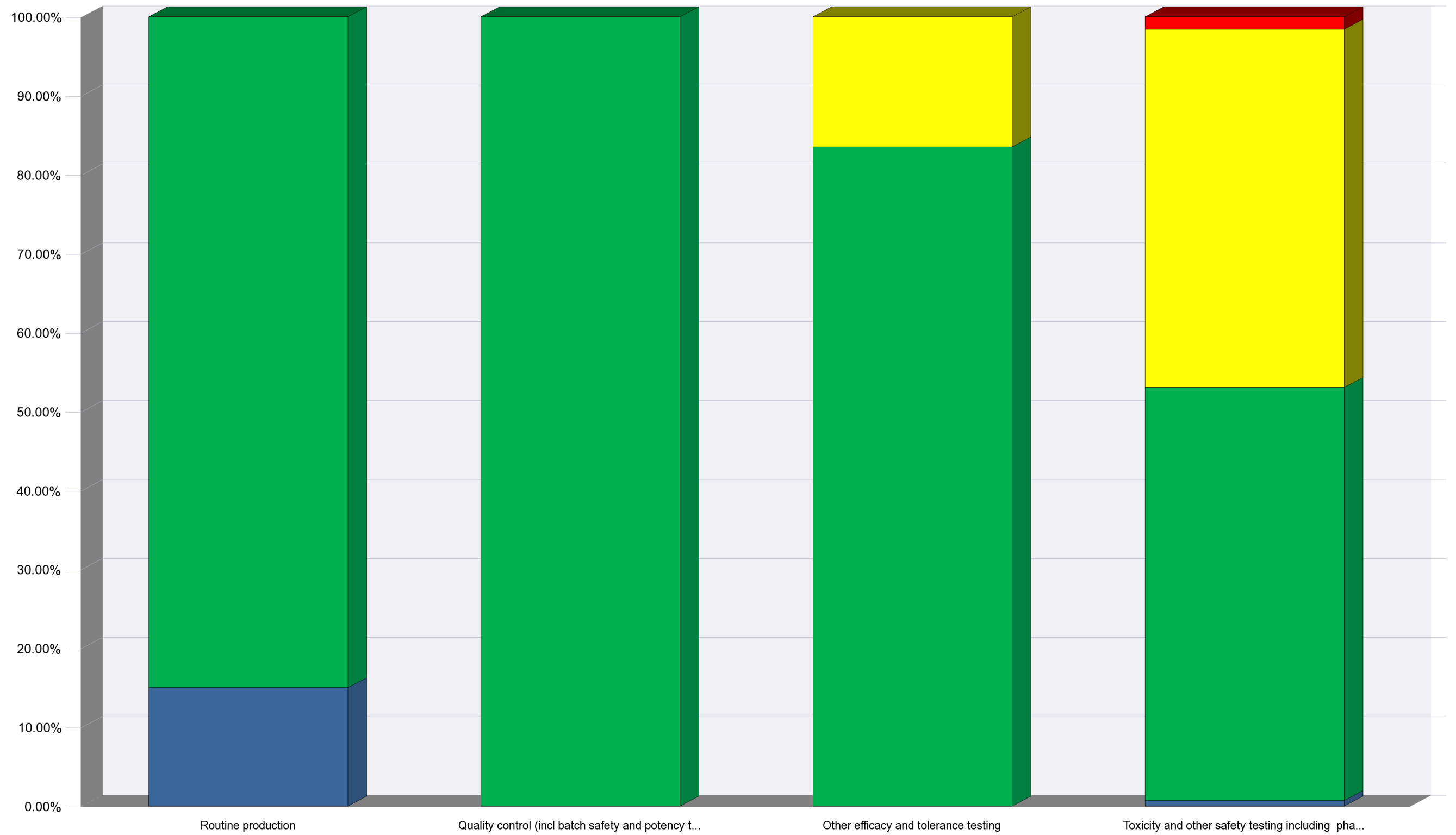
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Human Cancer	2	5,428	1,218	137	6,785
Human Infectious Disorders	102	3,784	954	53	4,893
Human Cardiovascular Disorders	5,931	2,211	1,789	345	10,276
Human Nervous and Mental Disorders	888	17,371	17,425	112	35,796
Human Respiratory Disorders		24	51	5	80
Human Gastrointestinal Disorders including Liver	2	372	24		398
Human Musculoskeletal Disorders	4	251	103	30	388
Human Immune Disorders	474	5,391	4,692	1,061	11,618
Human Urogenital/Reproductive Disorders		139	107	1	247
Human Sensory Organ Disorders (skin, eyes and ears)		340	149		489
Human Endocrine/Metabolism Disorders	1,416	10,873	8,538	164	20,991
Other Human Disorders					
Animal Diseases and Disorders		3,650	2,827	6	6,483
Animal Welfare	136	764	92		992
Diagnosis of diseases		476	3	18	497
Plant diseases					
Non-regulatory toxicology and ecotoxicology	4	387	134	1	526
Total uses	8,959	51,461	38,106	1,933	100,459
%	8.92%	51.23%	37.93%	1.92%	



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	3	17			20
Quality control (incl batch safety and potency testing)		4,584			4,584
Other efficacy and tolerance testing		76		15	91
Toxicity and other safety testing including pharmacology	31	2,327	2,017	71	4,446
Total uses	34	7,004	2,032	71	9,141
%	0.37%	76.62%	22.23%	0.78%	



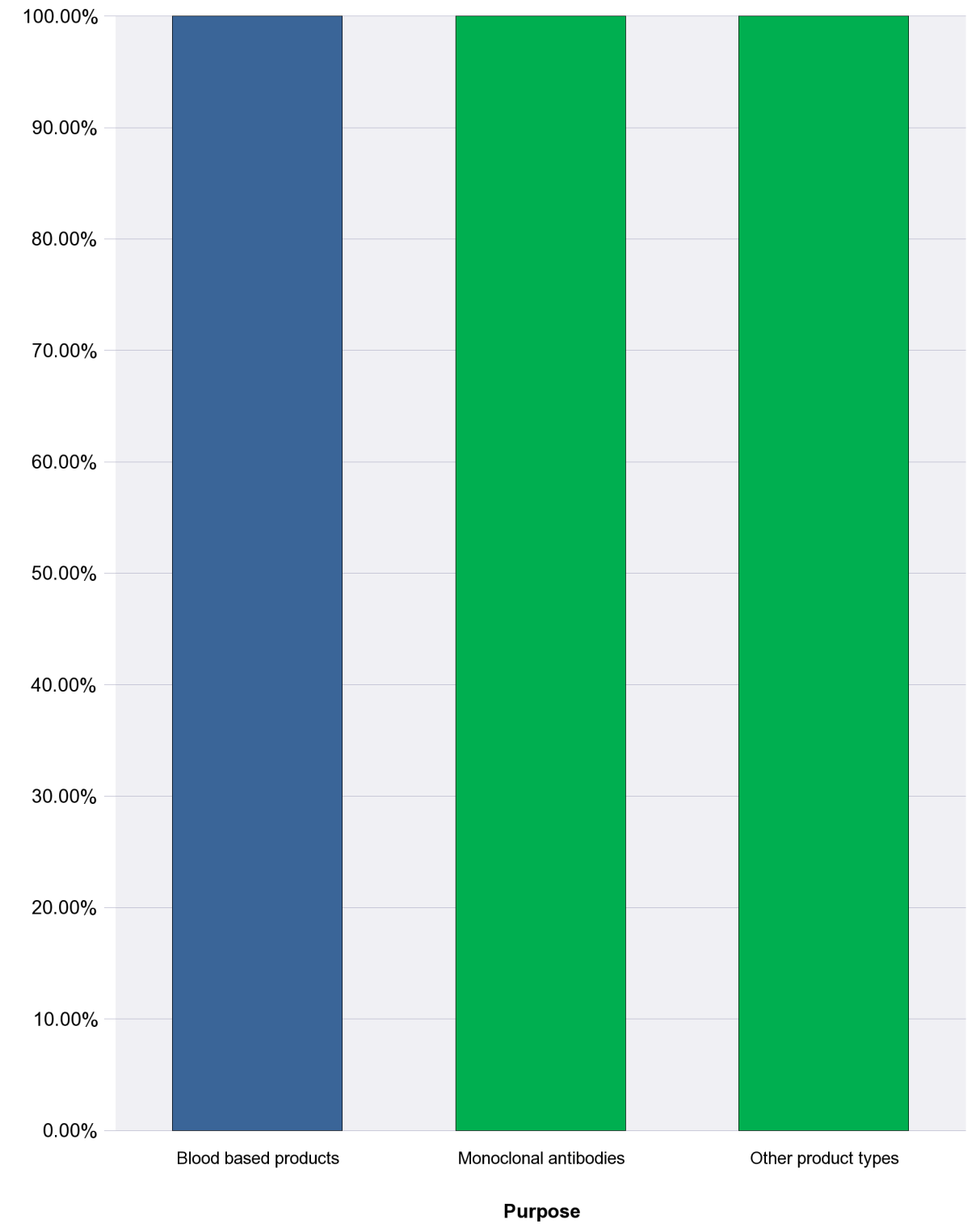
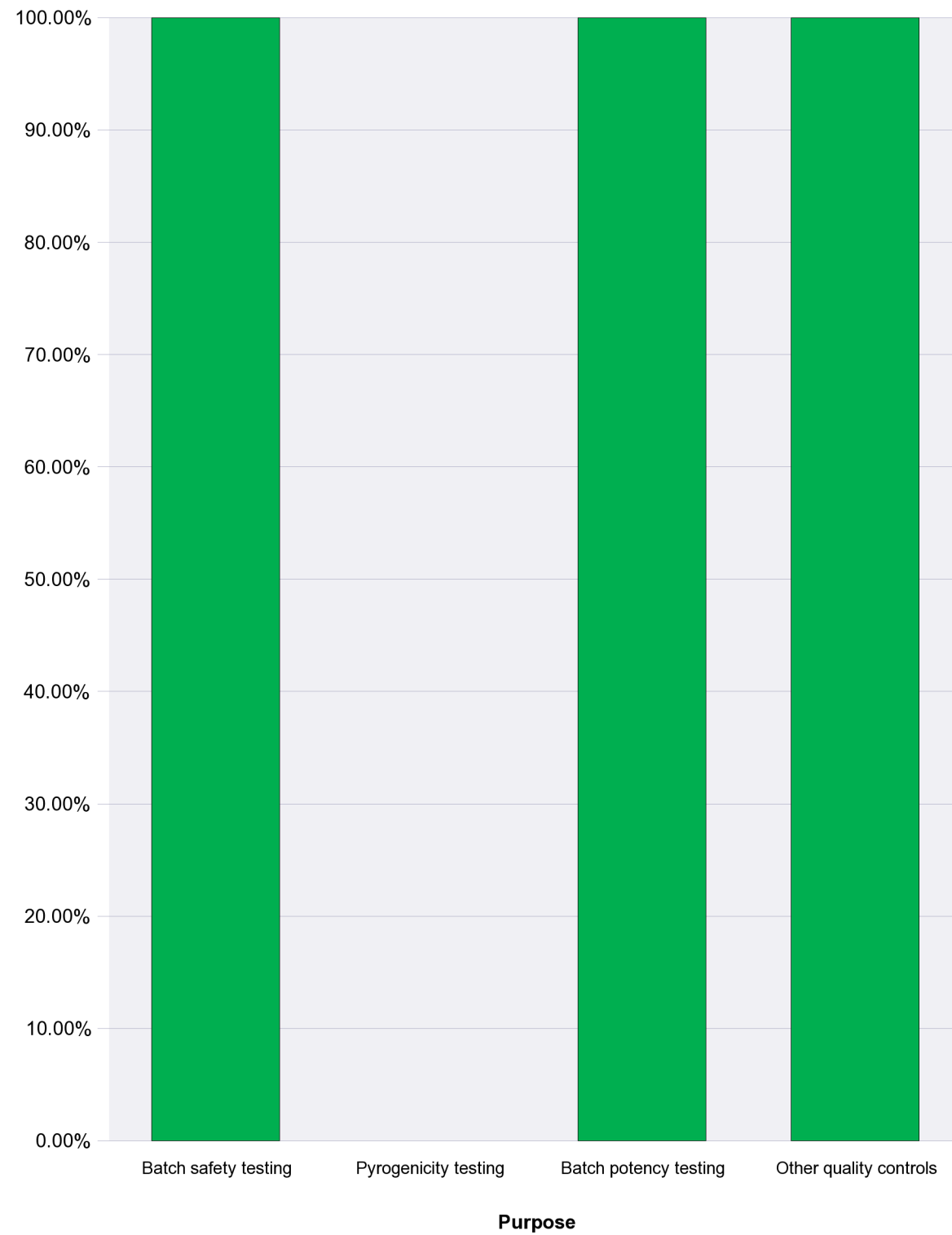
DP.E.1. Purposes and severity

Quality control purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Batch safety testing		137			137
Pyrogenicity testing					
Batch potency testing		2,897			2,897
Other quality controls		1,550			1,550
Total uses		4,584			4,584
%		100.00%			

Routine production purposes

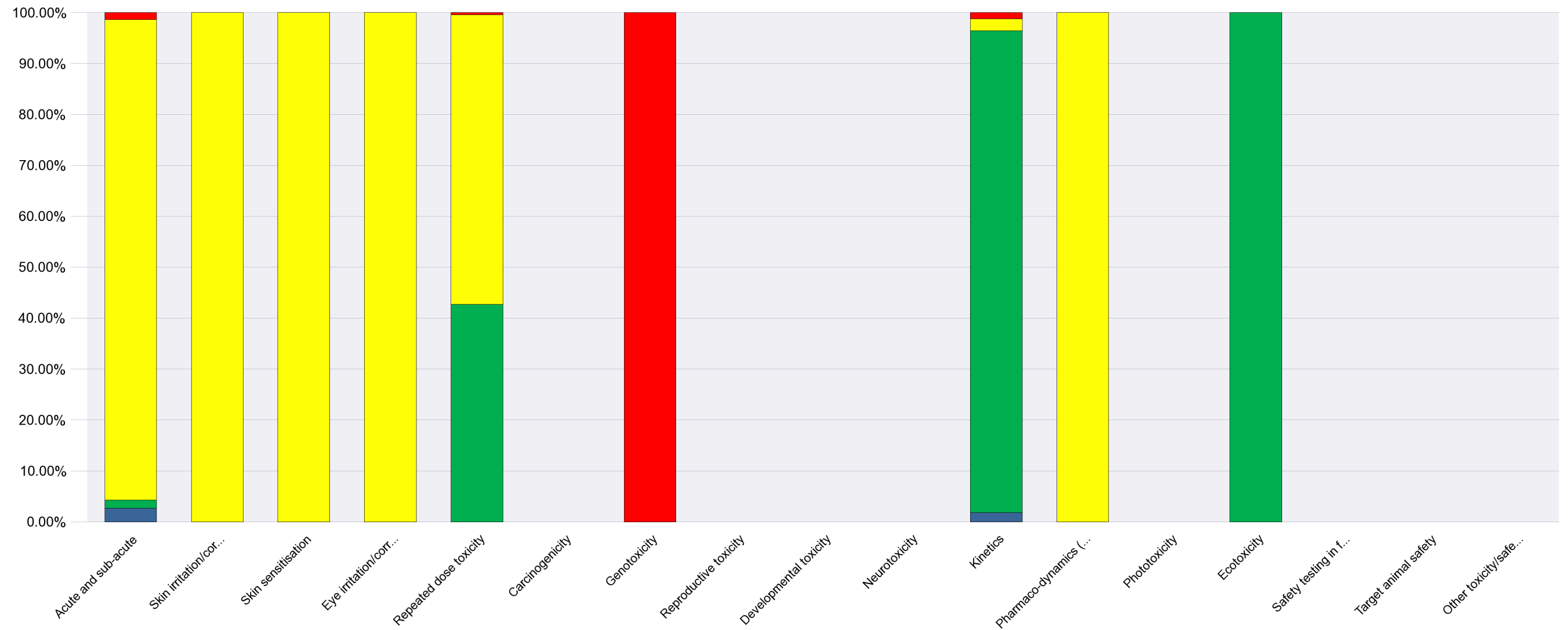
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Blood based products	3				3
Monoclonal antibodies		14			14
Other product types		3			3
Total uses	3	17			20
%	15.00%	85.00%			



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	25	15	886	13	939
Skin irritation/corrosion			24		24
Skin sensitisation			192		192
Eye irritation/corrosion			3		3
Repeated dose toxicity		643	856	6	1,505
Carcinogenicity					
Genotoxicity				48	48
Reproductive toxicity					
Developmental toxicity					
Neurotoxicity					
Kinetics	6	319	8	4	337
Pharmaco-dynamics (incl safety pharmacology)			48		48
Phototoxicity					
Ecotoxicity		1,350			1,350
Safety testing in food and feed area					
Target animal safety					
Other toxicity/safety testing					
Total uses	31	2,327	2,017	71	4,446
%	0.70%	52.34%	45.37%	1.60%	



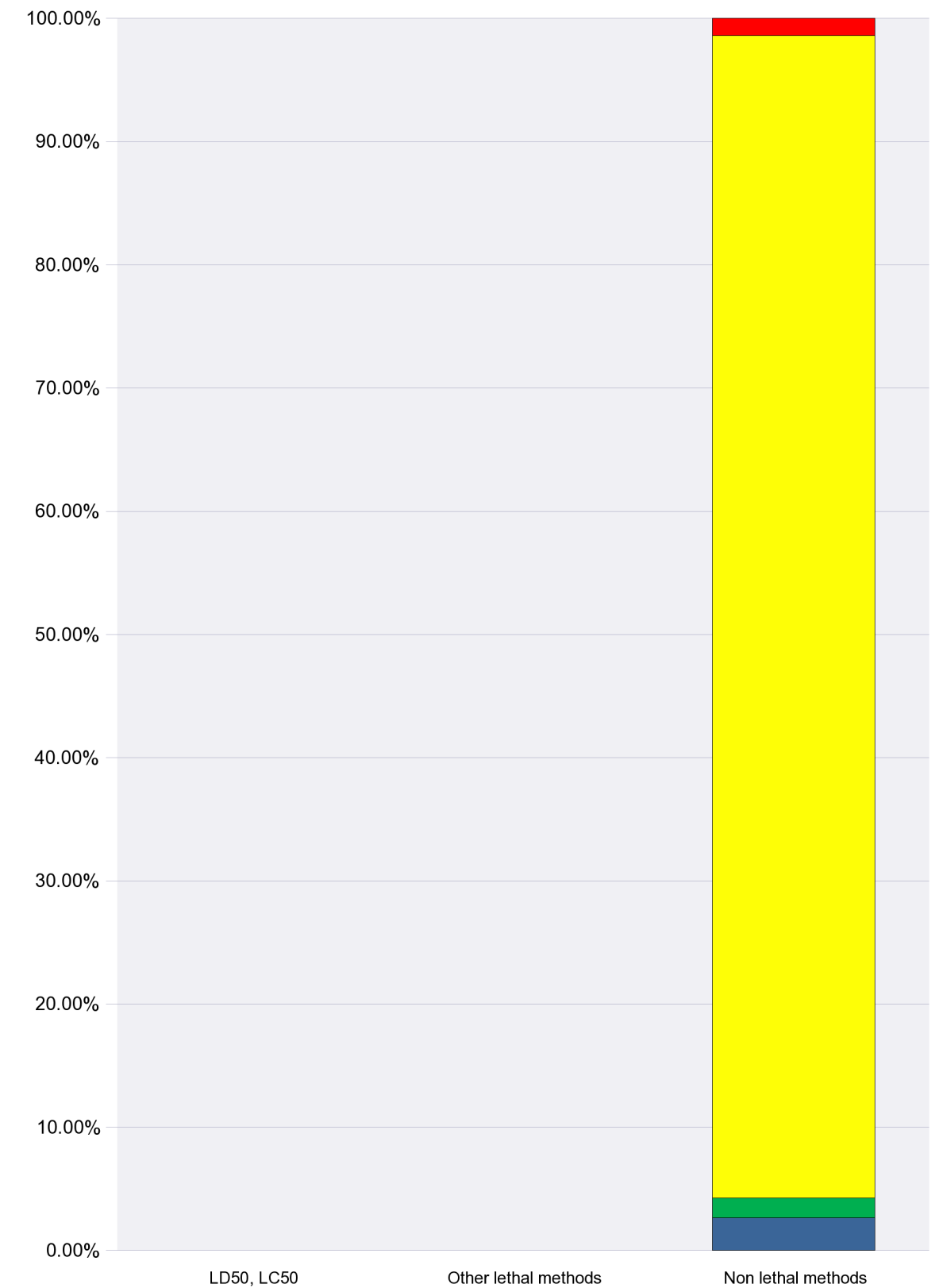
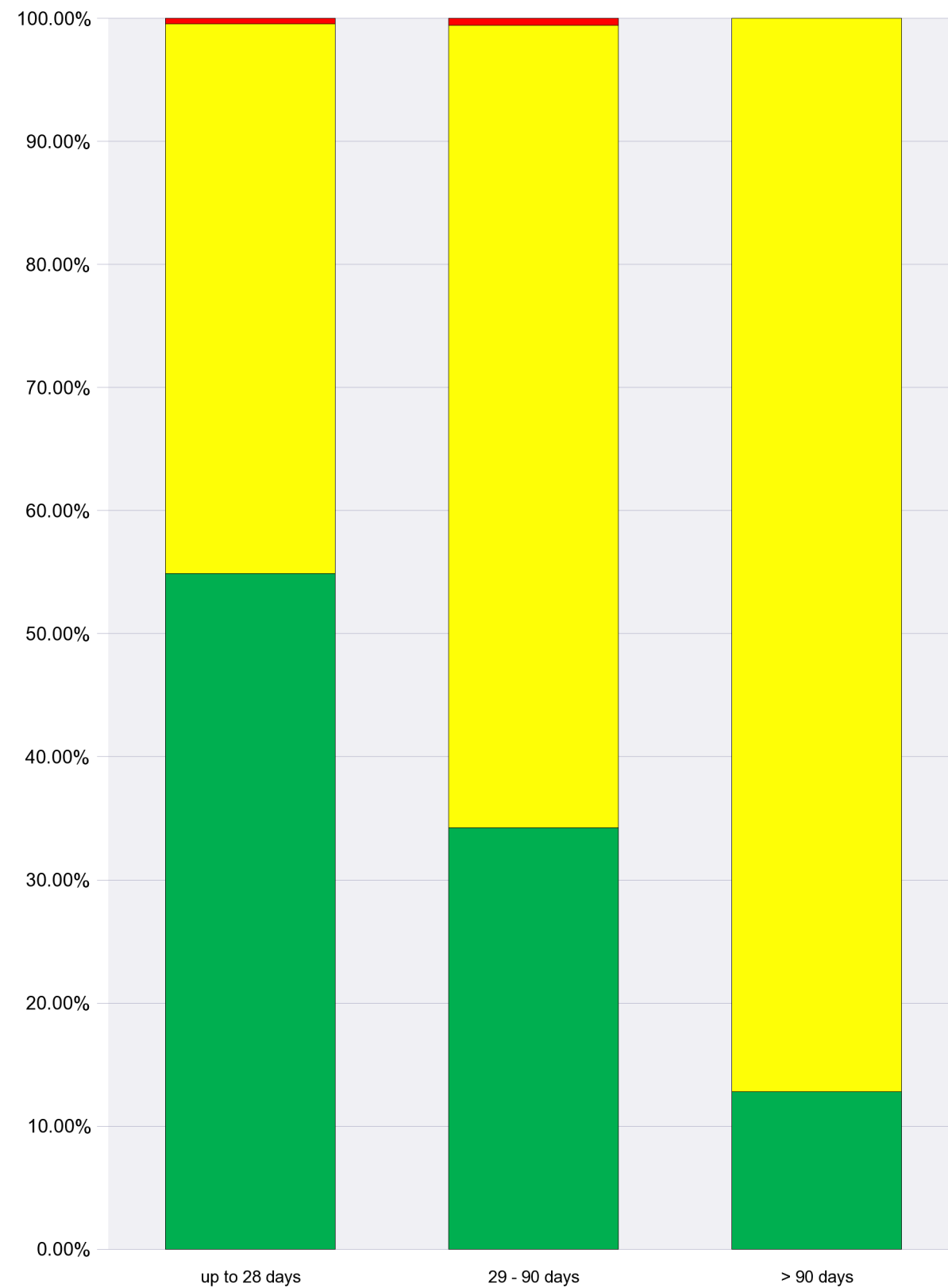
DP.E.1. Purposes and severity

Repeated dose toxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
up to 28 days		486	395	4	885
29 - 90 days		124	236	2	362
> 90 days		33	225		258
Total uses		643	856	6	1,505
%		42.72%	56.88%	0.40%	

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	25	15	886	13	939
Total uses	25	15	886	13	939
%	2.66%	1.60%	94.36%	1.38%	



DP.E.1. Purposes and severity

Ecotoxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Acute toxicity					
Chronic toxicity		1,350			1,350
Reproductive ecotoxicity					
Endocrine activity					
Bioaccumulation					
Other ecotoxicity					
Total uses		1,350			1,350
%		100.00%			

