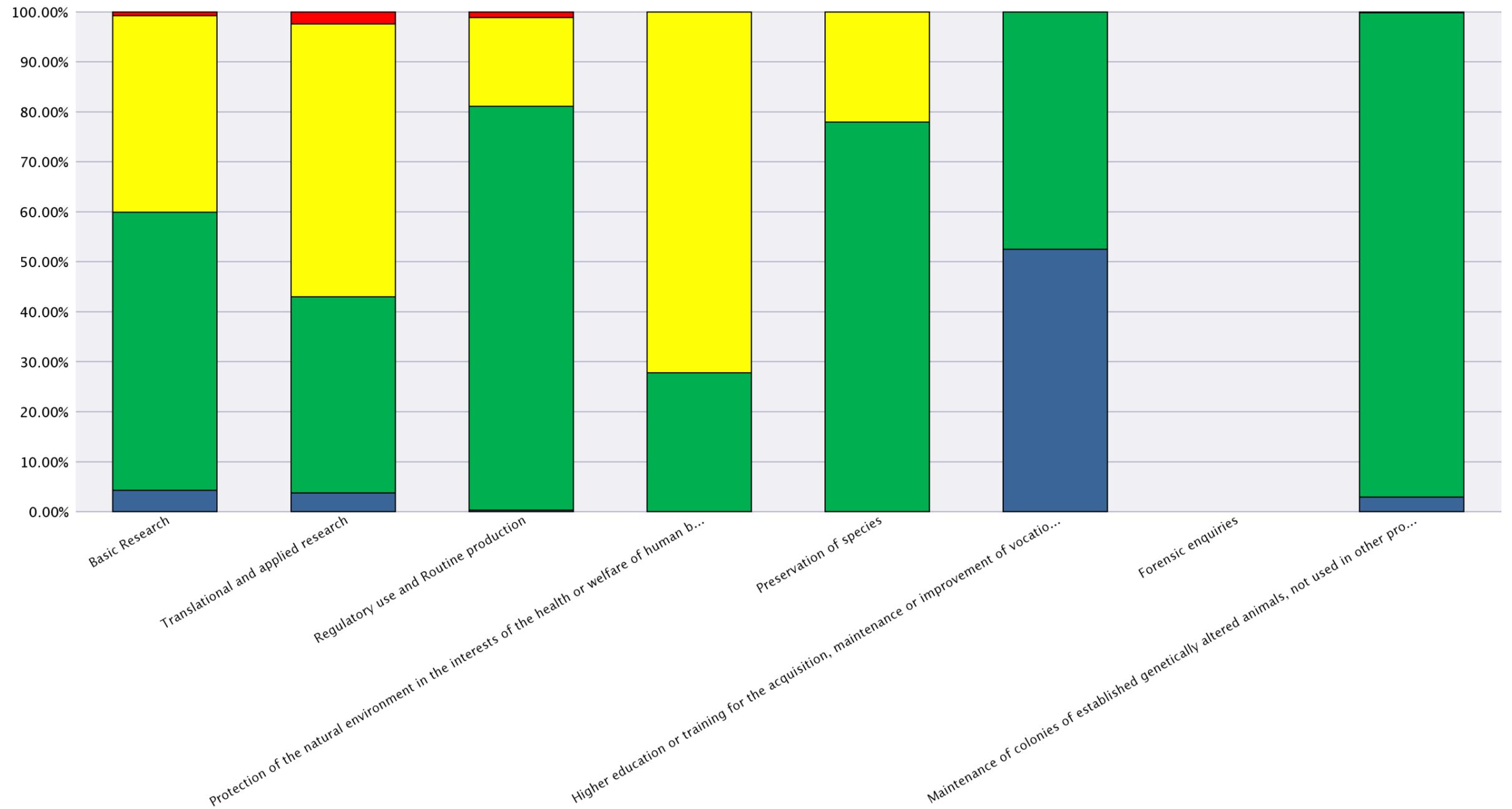


DP.E.1. Purposes and severity

Primary purposes

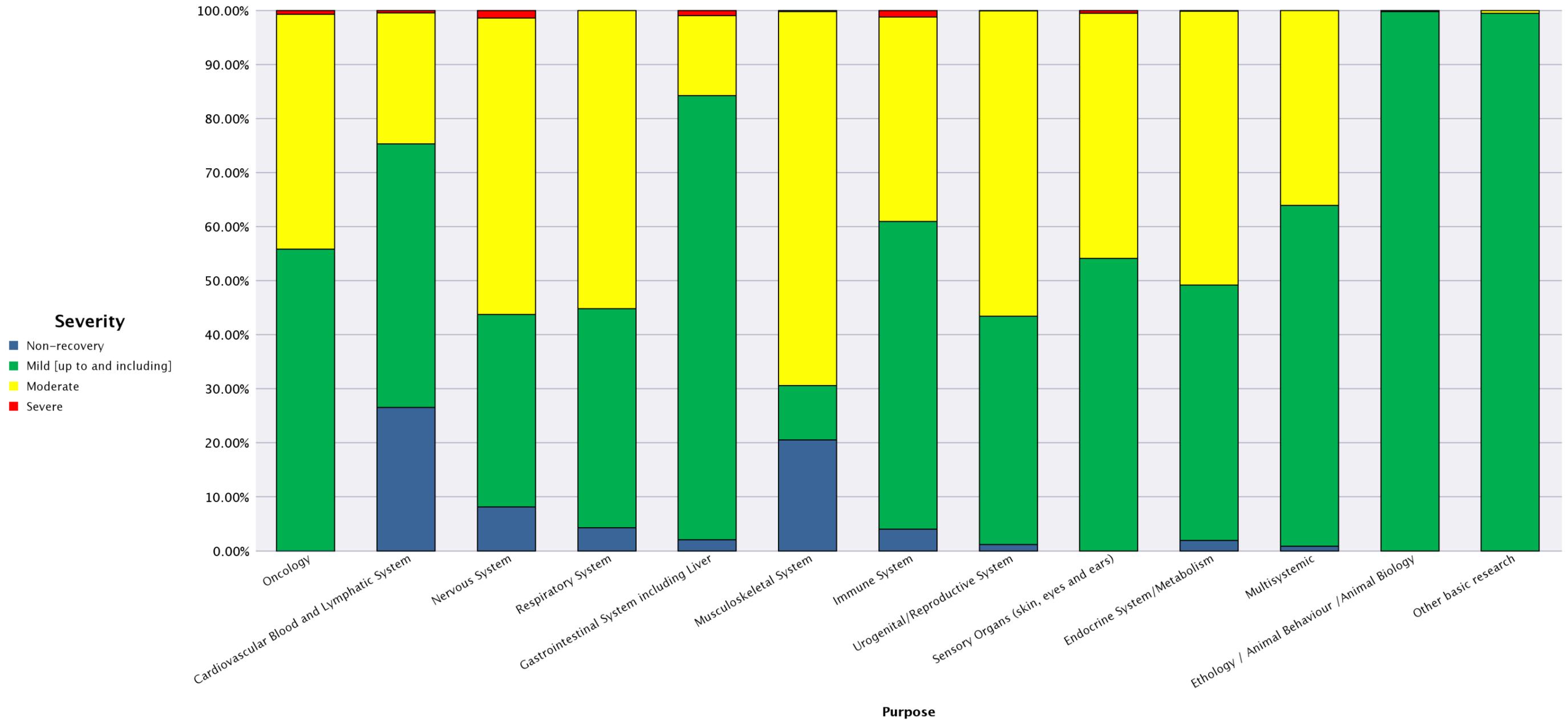
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Basic Research	4,026	52,299	36,907	759	93,991
Translational and applied research	4,766	49,894	69,345	3,118	127,123
Regulatory use and Routine production	65	16,829	3,712	235	20,841
Protection of the natural environment in the interests of the health or welfare of human beings or animals		1,369	3,561		4,930
Preservation of species		739	209		948
Higher education or training for the acquisition, maintenance or improvement of vocational skills	2,174	1,970			4,144
Forensic enquiries					
Maintenance of colonies of established genetically altered animals, not used in other procedures	178	5,855	4	6	6,043
Total uses	11,209	128,955	113,738	4,118	258,020
%	4.34%	49.98%	44.08%	1.60%	



DP.E.1. Purposes and severity

Basic research purposes

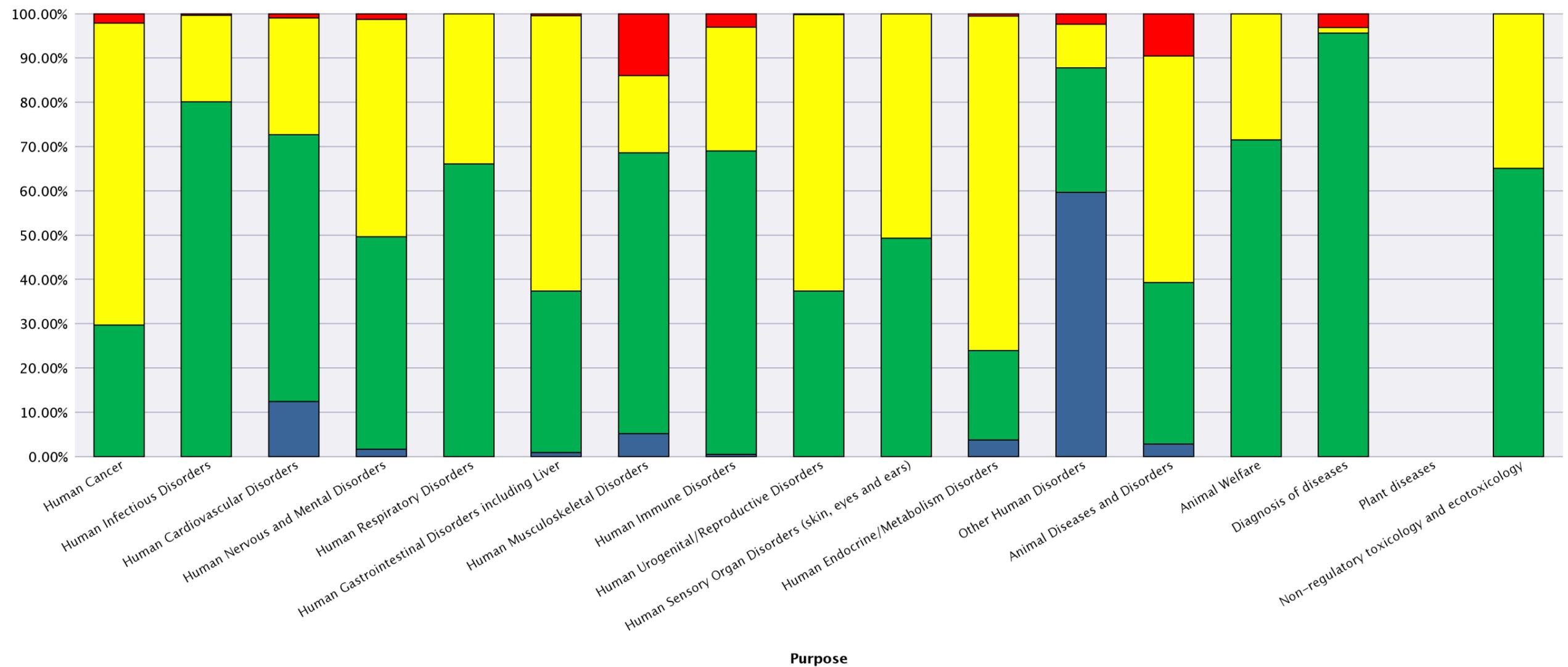
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Oncology	1	10,327	8,039	138	18,505
Cardiovascular Blood and Lymphatic System	1,022	1,878	932	18	3,850
Nervous System	1,419	6,197	9,534	253	17,403
Respiratory System	12	113	154		279
Gastrointestinal System including Liver	132	5,255	945	63	6,395
Musculoskeletal System	305	149	1,027	3	1,484
Immune System	853	11,997	7,965	263	21,078
Urogenital/Reproductive System	19	689	921	2	1,631
Sensory Organs (skin, eyes and ears)		209	175	2	386
Endocrine System/Metabolism	242	5,852	6,286	16	12,396
Multisystemic	21	1,566	896		2,483
Ethology / Animal Behaviour /Animal Biology		3,660	9		3,669
Other basic research		4,407	24	1	4,432
Total uses	4,026	52,299	36,907	759	93,991
%	4.28%	55.64%	39.27%	0.81%	



DP.E.1. Purposes and severity

Translational and applied research purposes

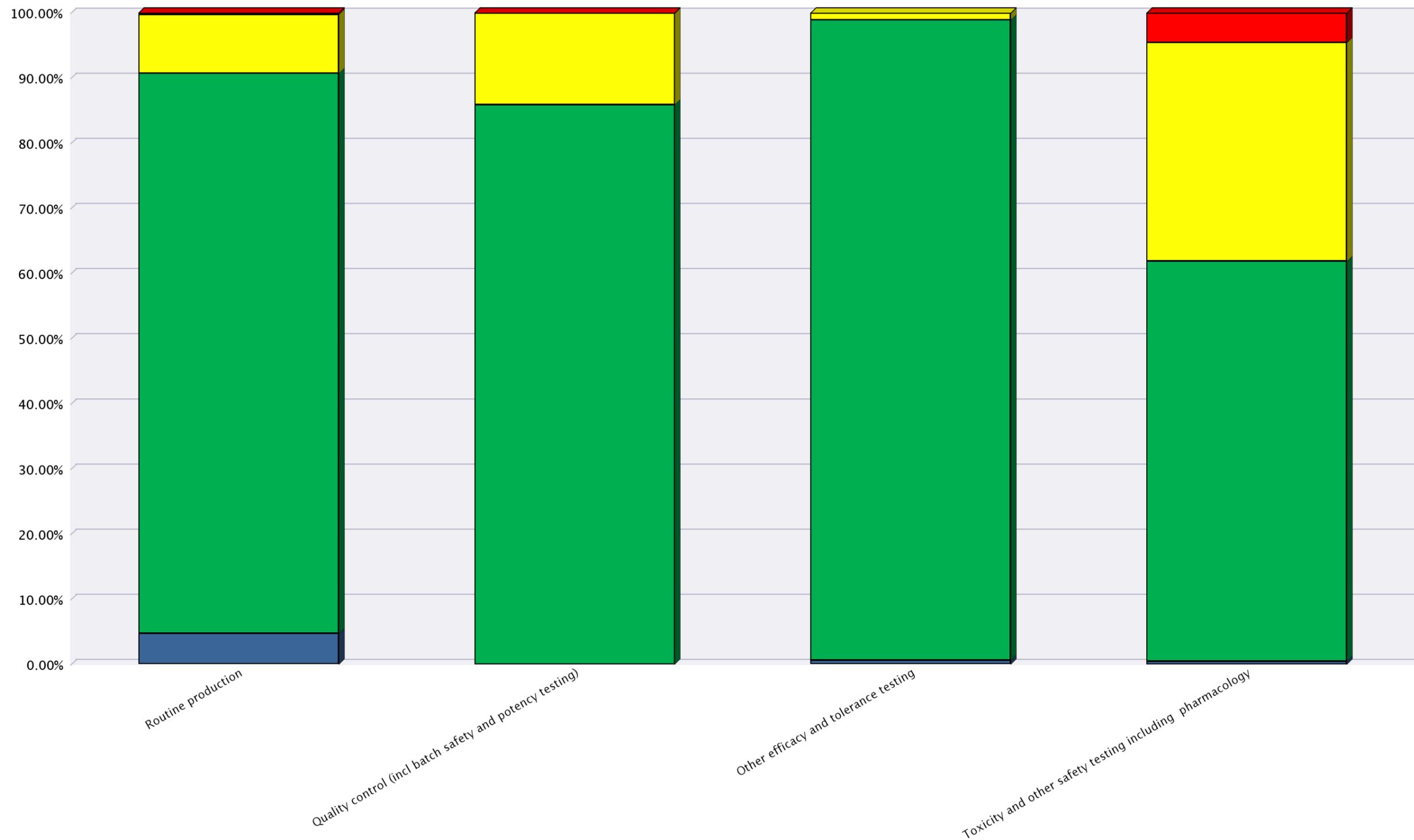
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Human Cancer		3,019	6,924	219	10,162
Human Infectious Disorders		7,625	1,863	36	9,524
Human Cardiovascular Disorders	608	2,950	1,291	48	4,897
Human Nervous and Mental Disorders	425	12,215	12,513	328	25,481
Human Respiratory Disorders		214	110		324
Human Gastrointestinal Disorders including Liver	27	1,125	1,915	14	3,081
Human Musculoskeletal Disorders	38	467	128	103	736
Human Immune Disorders	18	2,453	1,002	110	3,583
Human Urogenital/Reproductive Disorders		946	1,579	6	2,531
Human Sensory Organ Disorders (skin, eyes and ears)		142	146		288
Human Endocrine/Metabolism Disorders	1,505	8,183	30,552	226	40,466
Other Human Disorders	1,576	742	260	63	2,641
Animal Diseases and Disorders	569	7,417	10,381	1,941	20,308
Animal Welfare		1,576	627		2,203
Diagnosis of diseases		738	10	24	772
Plant diseases					
Non-regulatory toxicology and ecotoxicology		82	44		126
Total uses	4,766	49,894	69,345	3,118	127,123
%	3.75%	39.25%	54.55%	2.45%	



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	34	620	65	2	721
Quality control (incl batch safety and potency testing)		11,748	1,932	1	13,681
Other efficacy and tolerance testing	8	1,352	15		1,375
Toxicity and other safety testing including pharmacology	23	3,109	1,700	232	5,064
Total uses	65	16,829	3,712	235	20,841
%	0.31%	80.75%	17.81%	1.13%	



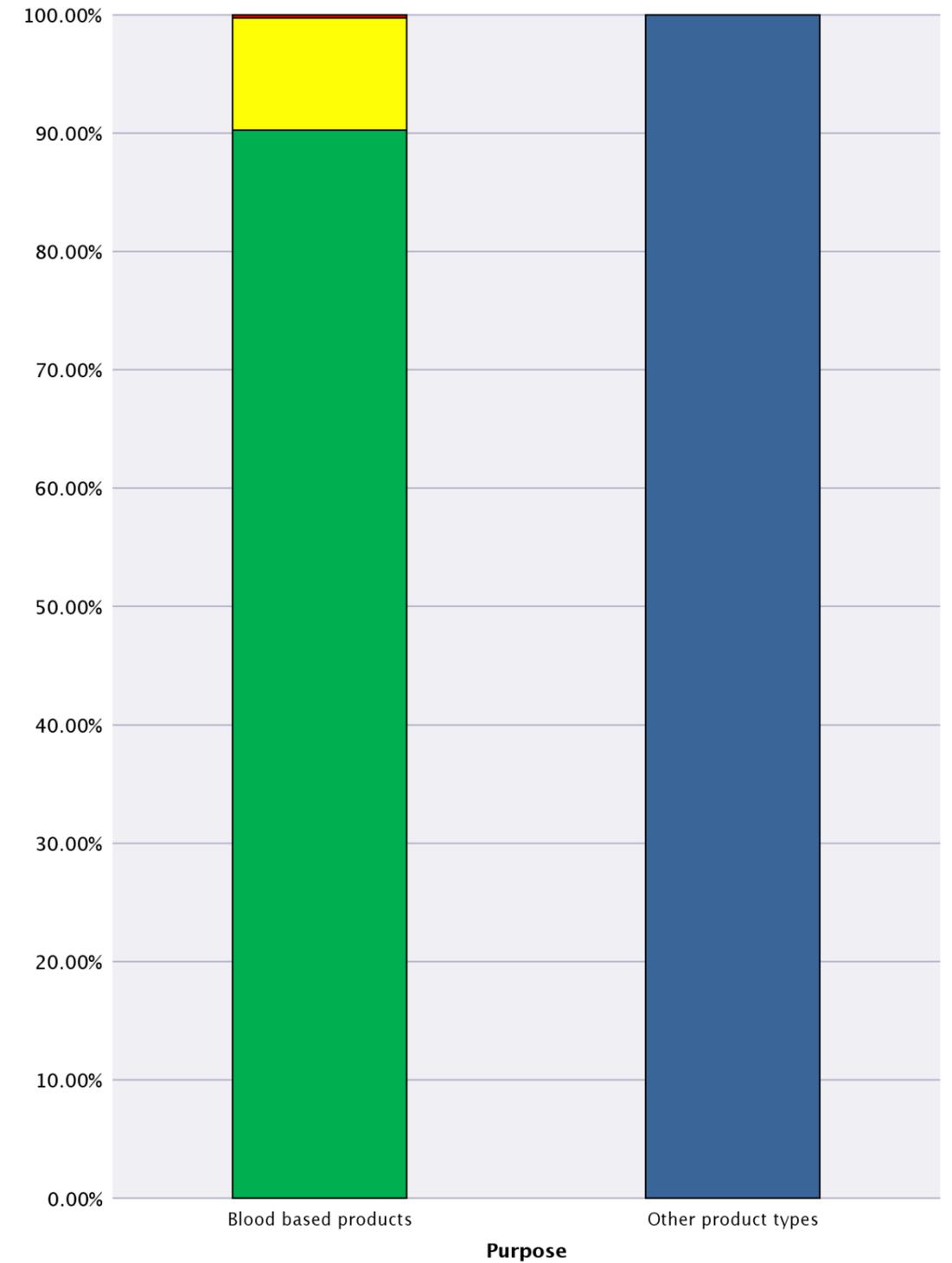
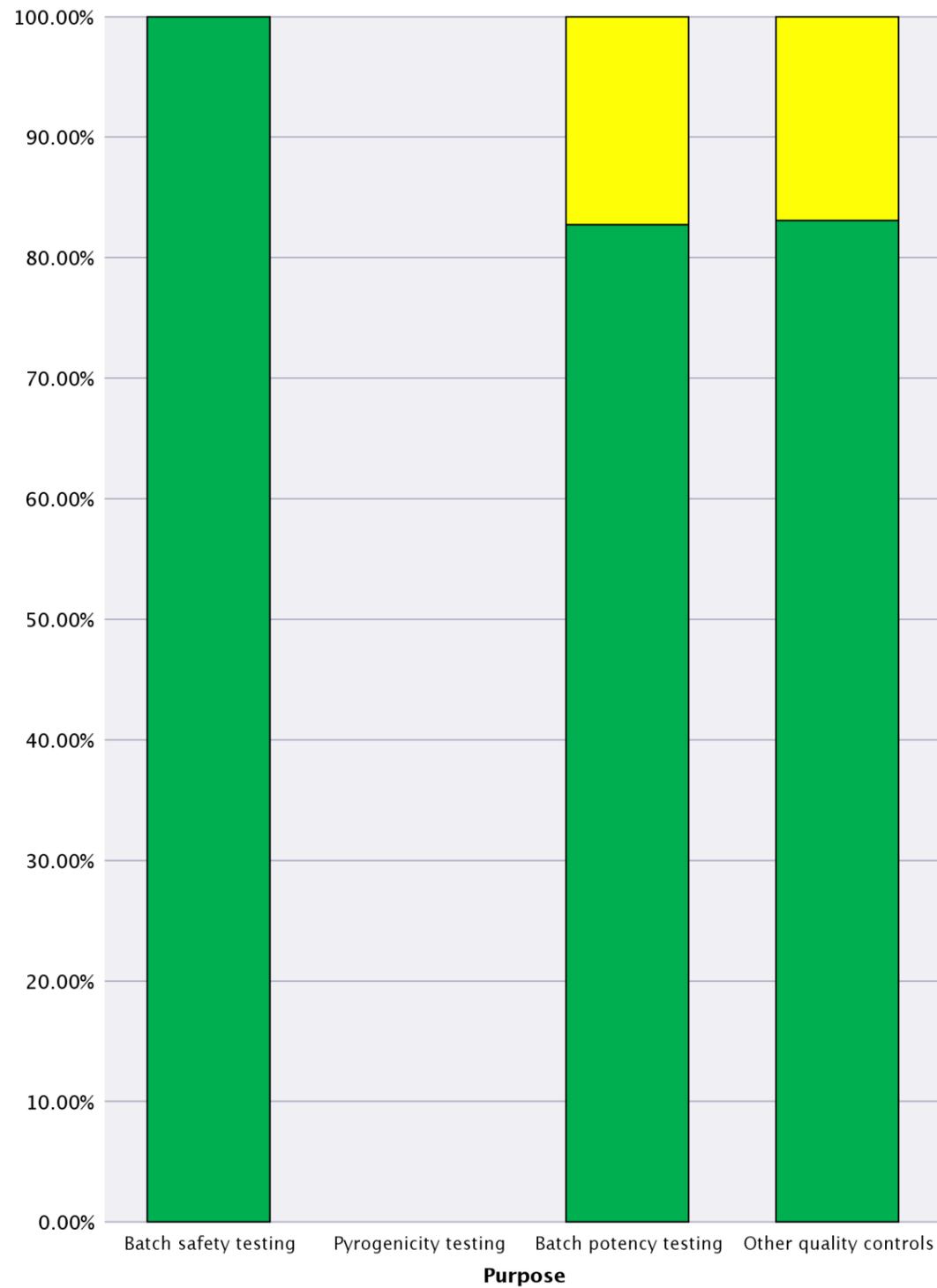
DP.E.1. Purposes and severity

Quality control purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Batch safety testing		2,469		1	2,470
Pyrogenicity testing					
Batch potency testing		8,499	1,772	1	10,272
Other quality controls		780	159		939
Total uses		11,748	1,932	1	13,681
%		85.87%	14.12%	0.01%	

Routine production purposes

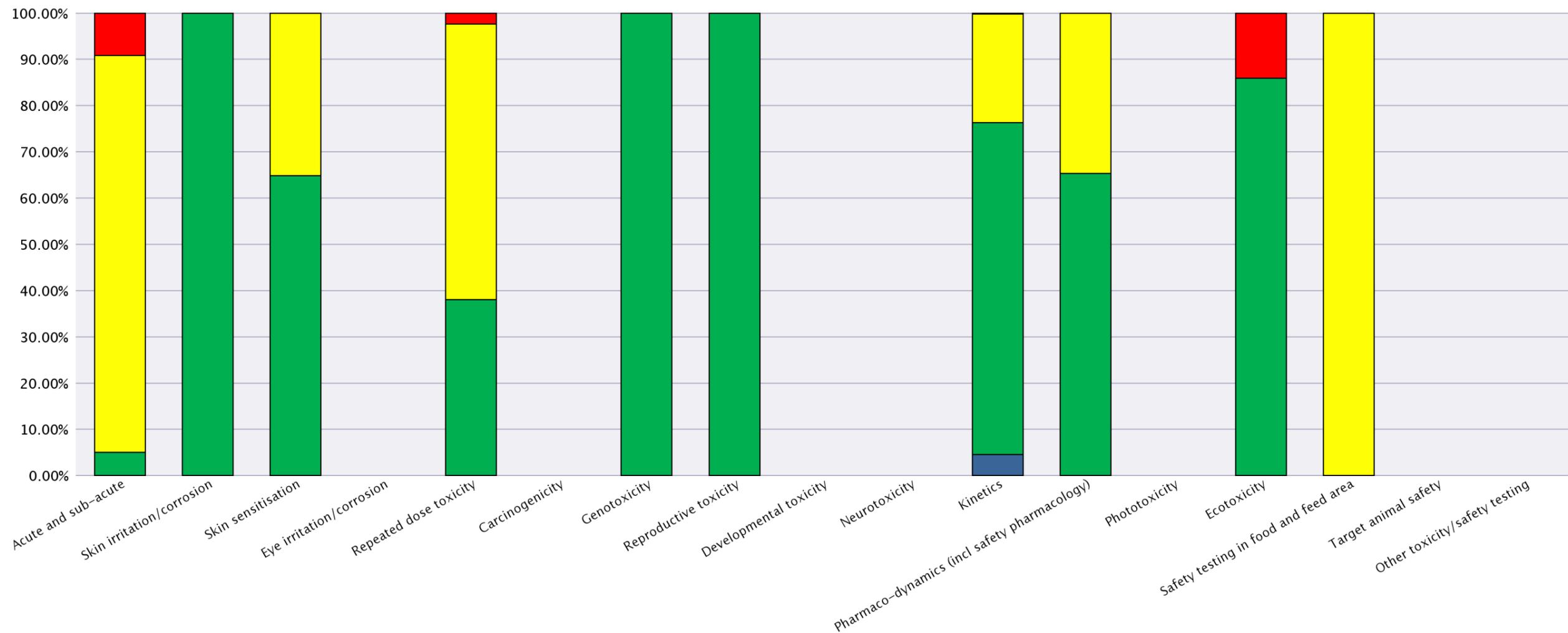
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Blood based products		620		65	687
Other product types	34				34
Total uses	34	620		65	721
%	4.72%	85.99%		9.02%	0.28%



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		6	103	11	120
Skin irritation/corrosion		4			4
Skin sensitisation		48	26		74
Eye irritation/corrosion					
Repeated dose toxicity		613	961	38	1,612
Carcinogenicity					
Genotoxicity		22			22
Reproductive toxicity		35			35
Developmental toxicity					
Neurotoxicity					
Kinetics	23	366	120	1	510
Pharmaco-dynamics (incl safety pharmacology)		905	481		1,386
Phototoxicity					
Ecotoxicity		1,110		182	1,292
Safety testing in food and feed area			9		9
Target animal safety					
Other toxicity/safety testing					
Total uses	23	3,109	1,700	232	5,064
%	0.45%	61.39%	33.57%	4.58%	



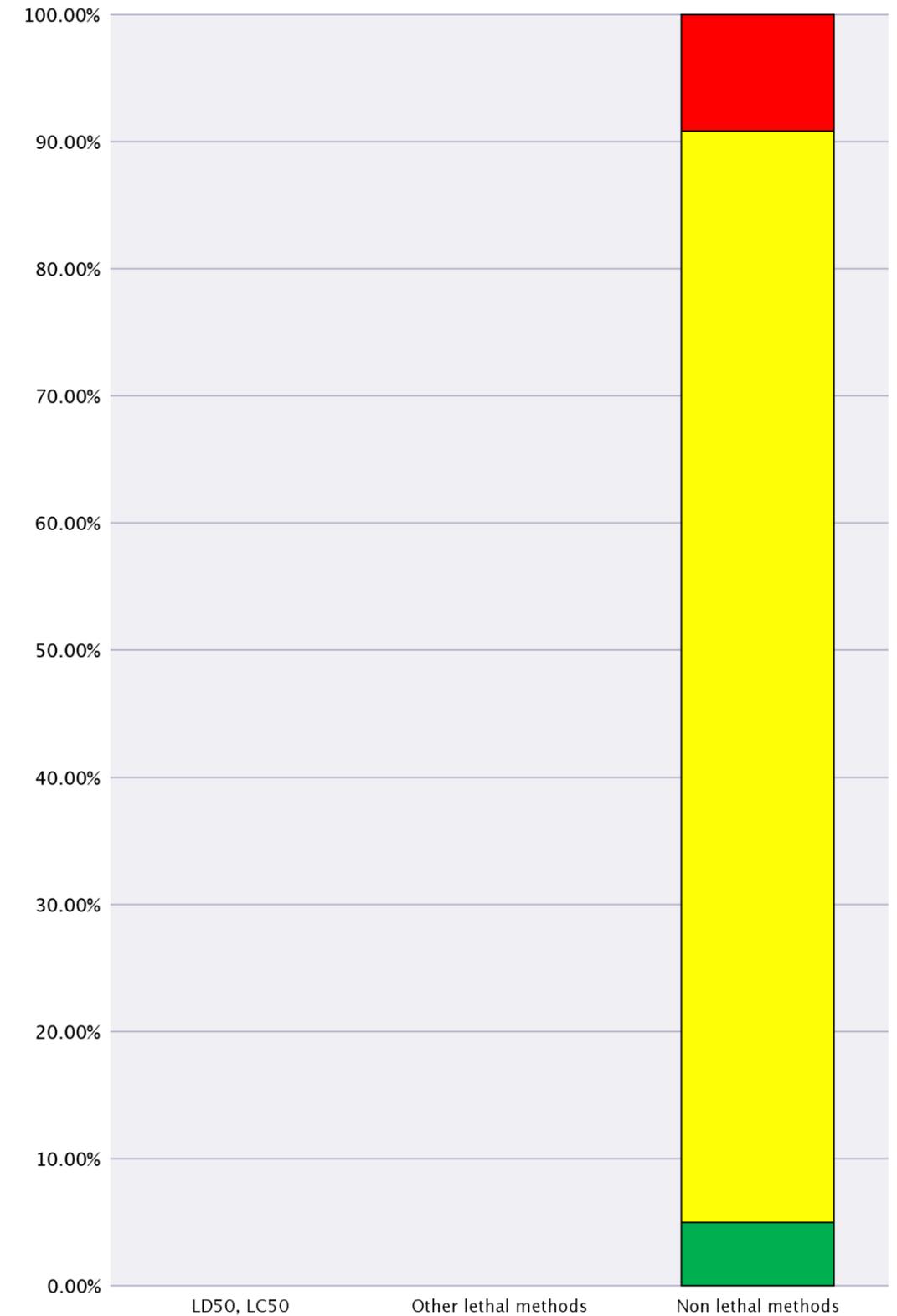
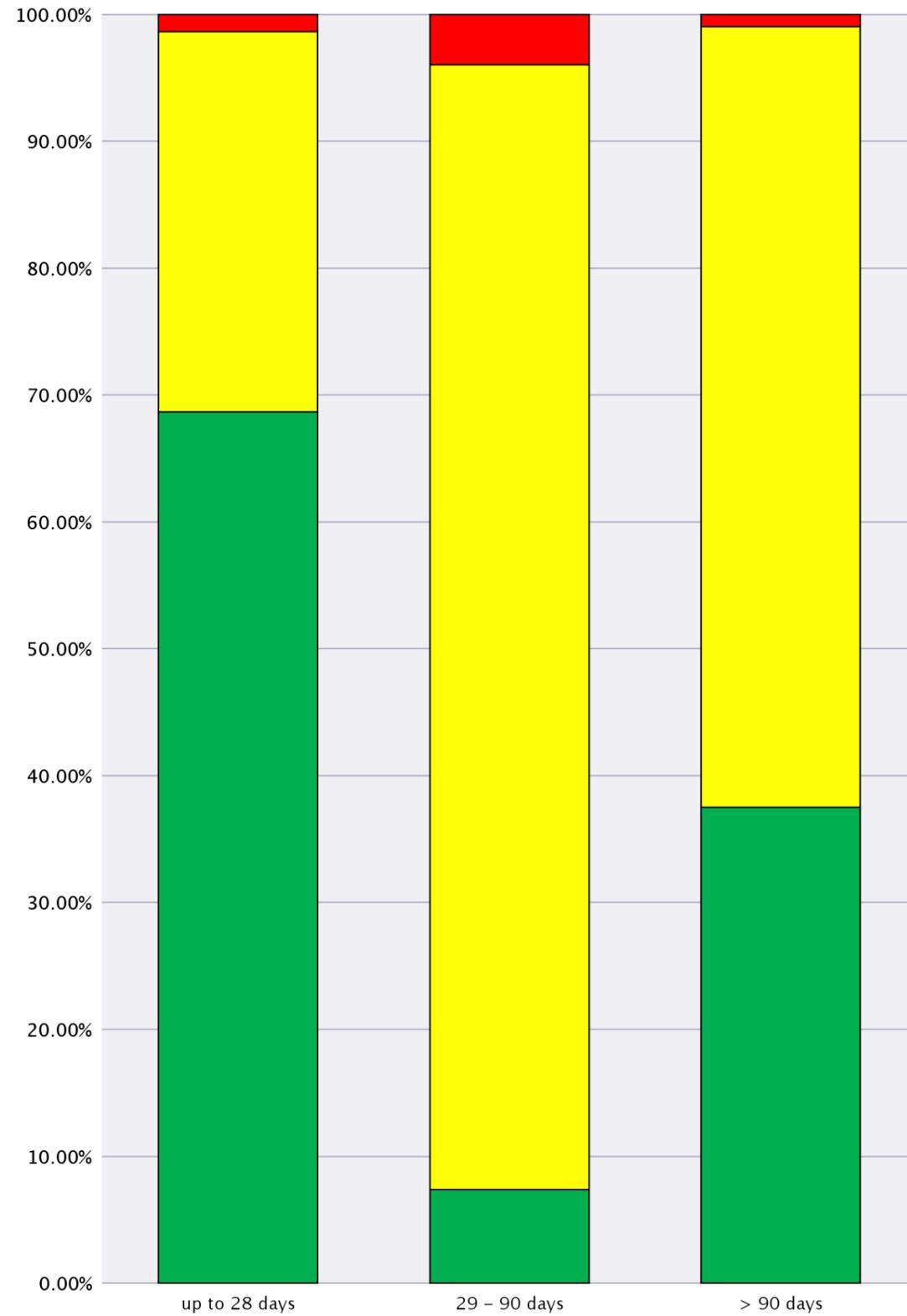
DP.E.1. Purposes and severity

Repeated dose toxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
up to 28 days		451	197	9	657
29 - 90 days		48	577	26	651
> 90 days		114	187	3	304
Total uses		613	961	38	1,612
%		38.03%	59.62%	2.36%	

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		6	103	11	120
Total uses		6	103	11	120
%		5.00%	85.83%	9.17%	



DP.E.1. Purposes and severity

Ecotoxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Acute toxicity				182	182
Chronic toxicity		1,110			1,110
Reproductive ecotoxicity					
Endocrine activity					
Bioaccumulation					
Other ecotoxicity					
Total uses		1,110		182	1,292
%		85.91%		14.09%	

