



**RESOURCE SHEET NUMBER 3 – STATISTICS**

In 2022, there were 2.76 million (2021 was 3.06 million) scientific procedures on living animals carried out in GB. Number of animals used for the first time was 2.69 million in 2022 and was 2.98 million in 2021. As some animals are ‘re-used’ the number of animals is less than procedures.

Northern Ireland statistics are published separately and there were 28,000 procedures in 2022 with 28, 143 animals used for the first time.

Additional statistics, last published in 2017, revealed 1.81 million non-GA animals were bred for scientific procedures but were killed or died without being used in regulated procedures. These additional statistics should be published annually. Data is materially misleading without the inclusion of up to £2 million more animal deaths, many of which are surplus ‘stock.’

Annual Statistics for GB can be found for 2001 – 2022 and also the additional statistics for 2017 at:

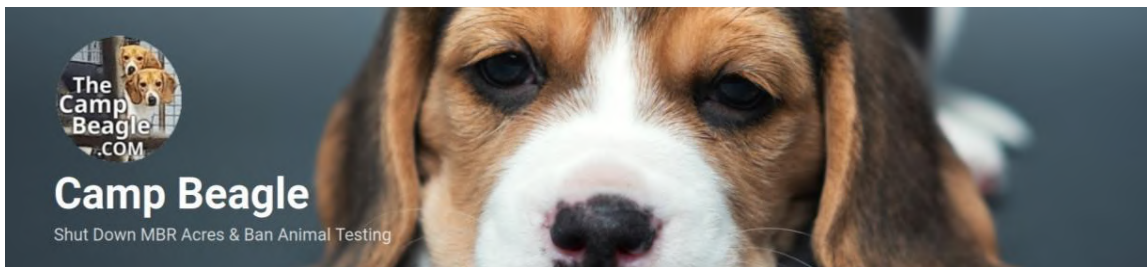
<https://www.gov.uk/government/collections/statistics-of-scientific-procedures-on-living-animals>

**Scientific Procedures on Living Animals**

	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
<b>Procedures</b>					
Experimental	1512210	1726064	1443317	1729914	1801948
Breeding GA Animals (Genetically Altered GA)	1248994	1329036	1439993	1673568	1718256
	<u>2761204</u>	<u>3055100</u>	<u>2883310</u>	<u>3403482</u>	<u>3520204</u>

**Experimental Procedures on specially protected animals**

	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
Cats	102	155	146	131	159
Dog	4122	4227	4340	4227	4481
Horse and other equid	8212	10776	10790	10512	10424
Primate	2197	2795	2393	2850	3207
	<u>14633</u>	<u>17953</u>	<u>17669</u>	<u>17720</u>	<u>18271</u>



## RESOURCE SHEET NUMBER 3 – STATISTICS

### Dogs - Number of Procedures

	2022	2021	2020	2019	2018
Basic Research	704	922	721	562	561
Applied Research	534	474	722	663	723
Regulatory	2884	2831	2897	3002	3184
	<u>4122</u>	<u>4227</u>	<u>4340</u>	<u>4227</u>	<u>4468</u>

### Dog Breed - Number of Procedures

	2022	2021	2020	2019	2018
Beagles	4014	4016	4270	4055	4314
Other	108	211	70	172	167
	<u>4122</u>	<u>4227</u>	<u>4340</u>	<u>4227</u>	<u>4481</u>

### Dogs Severity

	2022	2021	2020	2019	2018
Below Threshold	0	0	0	0	1
Non Recovery	59	54	65	24	12
Mild	3124	3230	3253	3086	3387
Moderate	919	943	1013	1108	1079
Severe	20	0	9	9	2
	<u>4122</u>	<u>4227</u>	<u>4340</u>	<u>4227</u>	<u>4481</u>

Note that gavage, otherwise known as force feeding, is a flexible tube forced down the throat to the stomach, 1-3 times daily without anesthesia and is classified as mild severity. The description of mild classification is: Mild: Any pain or suffering experienced by an animal was, at worst, only slight or transitory and minor so that the animal returns to its normal state within a short period of time.

In 2022 the breeds of other dogs included Labrador Retrievers, Petit Basset Griffon Vendeen, Norfolk Terriers and beagle crosses. 2021 included the same breeds plus Border Collies.



RESOURCE SHEET NUMBER 3 – STATISTICS

Year	Species of animal	Animals born in the UK at a licensed establishment	Animals born in the UK but <b>not</b> at a licensed establishment	Animals born elsewhere in the EU at a registered breeder	Animals born in rest of world	<b>Total</b>
2021	Beagle	1,651	3	0	857	2,511
2021	Other dog	27	41	0	0	68
		<u>1,678</u>	<u>44</u>	<u>0</u>	<u>857</u>	<u>2,579</u>
2022	Beagle	2,084	2	7	562	2,655
2022	Other dog	24	4	0	0	28
		<u>2,108</u>	<u>6</u>	<u>7</u>	<u>562</u>	<u>2,683</u>

In 2022 around 2000 beagles will have been born in MBR Acres, Huntingdon, Cambridgeshire UK. As for imports from the USA up until the end of April 22 these were from Envigo, Virginia and from Marshall BioResources, North Rose facility. In May 22 Envigo was closed for gross welfare violations and so the beagles since have primarily been born in Marshalls North Rose.



## RESOURCE SHEET NUMBER 3 – STATISTICS

### Legislative requirement or purpose

	2022	% 2022	2021	% 2021	2020	% 2020
<b>Total beagles</b>	<b>4014</b>	<b>100.0%</b>	<b>4,016</b>	<b>100.0%</b>	<b>4,270</b>	<b>100.0%</b>
<b>Industrial chemicals legislation</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>9</b>	<b>0.2%</b>
<b>Plant protection product legislation</b>	<b>195</b>	<b>4.9%</b>	<b>109</b>	<b>2.7%</b>	<b>115</b>	<b>2.7%</b>
Legislation on medicinal products for human use	2483	61.9%	2,457	61.2%	2,512	58.8%
Legislation on medicinal products for veterinary use and their residues	206	5.1%	146	3.6%	104	2.4%
Basic research	620	15.4%	759	18.9%	659	15.4%
Applied/Translational research without animal welfare and non-regulatory toxicology and ecotoxicology	32	0.8%	22	0.5%	76	1.8%
<b>Total medical research</b>	<b>3,341</b>	<b>83.2%</b>	<b>3,384</b>	<b>84.3%</b>	<b>3,351</b>	<b>78.5%</b>
<b>Other procedures for beagles</b>	<b>478</b>	<b>11.9%</b>	<b>523</b>	<b>13.0%</b>	<b>795</b>	<b>18.6%</b>
	4,014	100%	4,016	100%	4,270	100%



## RESOURCE SHEET NUMBER 3 – STATISTICS

<b>Beagles – Detailed Use</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>
<b>Basic research:</b>				
Cardiovascular Blood and Lymphatic	3	0	5	0
Gastrointestinal System including Liver	0	2	6	0
Immune System	4	0	13	0
Multisystemic	4	18	3	11
Ethology / Animal Behaviour /Animal Biology	12	0	0	0
Other	597	739	632	409
<b>Applied Research</b>				
Human Infectious Disorders	0	0	0	3
Human Respiratory Disorders	0	2	16	16
Human Musculoskeletal Disorders	32	0	10	25
Human Immune Disorders	0	20	50	46
<b>Applied Research</b>				
Animal Diseases and Disorders	0	0	0	10
Animal Welfare	0	0	0	6
Diagnosis of diseases	0	0	0	0
Non-regulatory toxicology and ecotoxicology	478	404	638	527
<b>Regulatory Use</b>				
Blood based products	159	149	164	198
Quality control & Other QC	0	1	0	0
Other efficacy and tolerance testing	125	136	121	106
Acute and sub-toxicity testing methods: Non lethal methods	32	104	169	146
Repeated dose toxicity: up to 28 days	1158	961	990	900
Repeated dose toxicity: 29 - 90 days	232	308	363	598
Repeated dose toxicity: greater than 90 days	855	816	729	573
Reproductive toxicity	0	0	7	66
Target animal safety	32	0	32	12
Kinetics	84	159	126	37
Pharmaco-dynamics	129	118	139	267
Other type of toxicity or safety testing	78	79	57	99



RESOURCE SHEET NUMBER 3 – STATISTICS

4014	4016	4270	4055
------	------	------	------

**Other Dogs – Detailed Use**

	2022	2021	2020	2019
<b>Basic research:</b>				
Gastrointestinal System including Liver	0	13	10	17
Immune System	22	49	47	54
Multisystemic	14	101	5	71
Ethology / Animal Behaviour /Animal Biology	48	0	0	0
Other	0	0	0	0
<b>Applied Research</b>				
Human Musculoskeletal Disorders	4	23	0	0
<b>Applied Research</b>				
Animal Diseases and Disorders	20	2	8	30
Diagnosis of diseases	0	23	0	0
	108	211	70	172