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Our Ref: FOI 2014/02756

Your Ref:

27 June 2014

Dear ████████████████████

Thank you for your letter of 30 April 2014 requesting the following information:

"Reference my letter of 11 April 2014, please arrange for me to be provided with the annual procedures returned to the Home Office by:

- *Number of procedures;*
- *Number of procedures in which the animal was being used in a regulated procedure for the first time;*
- *Anaesthesia and use of neuromuscular blocking agents;*
- *Type of vertebrate;*
- *Primary purpose;*
- *Legislative or other reason;*
- *Type of technique".*

We are treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

A search for the information has now been completed within the Ministry of Defence, and we can confirm that information in scope of your request is held.

The research we undertake saves lives by helping us develop world class protective equipment and new medical treatments that benefit both troops and civilians. We do all we can to minimise the use of live animals but there is some research, such as countering the threat posed by chemical and biological weapons that cannot be conducted without the use of animals


We have searched our current database and have obtained the data you requested above for the calendar years 2000 to 2013, inclusive. This data is presented in the appendix to this letter. The data for the Home Office Codes you outline above prior to the calendar year 2000 is incomplete, inaccurate or held in databases which we cannot access on our current IT networks.

We hope that the data we have been able to provide you with satisfies your requirements.

If you are not satisfied with this response or you wish to complain about any aspect of the handling of your request, then you should contact me in the first instance. If informal resolution is not possible and you are still dissatisfied then you may apply for an independent internal review by contacting the Information Rights Compliance team, 1st Floor, MoD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.uk). Please note that any request for an internal review must be made within 40 working days of the date on which the attempt to reach informal resolution has come to an end.

If you remain dissatisfied following an internal review, you may take your complaint to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not investigate your case until the MoD internal review process has been completed. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website, <http://www.ico.gov.uk>.

Yours sincerely



Appendix – Home Office Returns Data

Total Number of Procedures Reported

Year	Cattle	Domestic Fowl	Ferret	Guinea Pig	Hamster	Macaque	Marmoset	Mouse	Pig	Rabbit	Rat	Sheep	Total
2000	0	0	0	590	24	2	32	10856	106	19	350	9	11988
2001	0	0	0	727	0	10	58	11944	23	23	125	45	12955
2002	0	0	0	644	0	22	20	14874	88	24	268	0	15940
2003	0	0	0	653	70	11	12	12645	131	22	358	0	13902
2004	1	0	42	506	0	11	19	14737	80	12	320	0	15728
2005	0	0	60	661	0	3	51	20016	127	3	195	2	21118
2006	0	0	0	545	0	2	50	15986	123	0	335	4	17045
2007	0	0	0	647	0	4	71	17095	74	5	359	2	18257
2008	0	3	0	254	0	26	29	11400	113	2	549	0	12376
2009	0	0	0	190	0	22	127	7982	96	30	5	0	8452
2010	0	0	0	308	30	47	197	8697	140	50	113	0	9582
2011	0	0	0	652	0	0	68	8961	88	76	37	0	9882
2012	0	6	0	281	0	0	114	8205	75	16	130	0	8827
2013	0	0	0	447	0	0	193	5641	108	4	68	0	6461
Total	1	9	102	7105	124	160	1041	169039	1372	286	3212	62	182513

First Time Used

Year	Cattle	Domestic Fowl	Ferret	Guinea Pig	Hamster	Macaque	Marmoset	Mouse	Pig	Rabbit	Rat	Sheep	Total
2000	0	0	0	590	24	1	32	10856	106	19	350	9	11987
2001	0	0	0	727	0	9	58	11944	23	23	125	45	12954
2002	0	0	0	644	0	22	20	14874	88	24	268	0	15940
2003	0	0	0	653	70	11	11	12645	131	22	358	0	13901
2004	1	0	36	506	0	11	18	14737	80	12	320	0	15721
2005	0	0	48	661	0	3	37	20016	127	3	195	2	21092
2006	0	0	0	545	0	2	46	15986	123	0	335	4	17041
2007	0	0	0	647	0	4	67	17095	74	5	359	2	18253
2008	0	3	0	254	0	25	21	11400	113	2	549	0	12367
2009	0	0	0	190	0	14	109	7982	96	30	5	0	8426
2010	0	0	0	308	30	28	126	8697	140	50	113	0	9492
2011	0	0	0	652	0	0	52	8961	88	76	37	0	9866
2012	0	6	0	281	0	0	109	8205	75	16	130	0	8822
2013	0	0	0	447	0	0	165	5641	108	4	68	0	6433
Total	1	9	84	7105	124	130	871	169039	1372	286	3212	62	182295

Procedures by Anaesthesia Codes and Year

0 No Anaesthetic

1 General Anaesthesia with recovery used at any stage of procedure.

2 Local or regional anaesthesia used at any stage of procedure

3 General anaesthesia without recovery used at end of procedure which did not otherwise involve anaesthesia.

4 General anaesthesia without recovery used throughout the procedure.

Year	Anaesthesia Code by Procedures					Total Procedures	First Time Use
	0	1	2	3	4		
2013	4677	904	374	364	142	6461	6433
2012	6382	1997	138	161	149	8827	8822
2011	6920	1870	400	546	146	9882	9866
2010	8142	1020	54	188	178	9582	9492
2009	6772	1282	72	237	89	8452	8426
2008	11034	898	221	104	119	12376	12367
2007	15995	1311	206	492	249	18257	18253
2006	15256	1130	301	177	181	17045	17041
2005	18115	1460	454	794	295	21118	21092
2004	13178	1492	153	614	291	15728	15721
2003	11633	1064	236	644	325	13902	13901
2002	13048	1282	240	927	443	15940	15940
2001	10530	532	417	1052	424	12955	12954
2000	10499	811	231	5	442	11988	11987

Procedures by Primary Purpose Codes and Year

- 1 Fundamental biological research
- 2 Applied studies - human medicine or dentistry
- 3 Applied studies - veterinary medicine
- 4 Protection of man, animals or environment
- 5 Education
- 6 Training
- 7 Forensic Enquiries
- 8 Direct Diagnosis
- 9 Breeding

Year	Primary Purpose Code by Procedures									Total Procedures	First Time Use
	1	2	3	4	5	6	7	8	9		
2013	4258	2199	0	4	0	0	0	0	0	6461	6433
2012	4552	4210	0	65	0	0	0	0	0	8827	8822
2011	4207	4970	0	705	0	0	0	0	0	9882	9866
2010	3014	5896	0	672	0	0	0	0	0	9582	9492
2009	4666	3570	0	216	0	0	0	0	0	8452	8426
2008	4353	8023	0	0	0	0	0	0	0	12376	12367
2007	12214	5579	0	464	0	0	0	0	0	18257	18253
2006	9081	7367	0	597	0	0	0	0	0	17045	17041
2005	13250	6959	0	840	0	0	0	0	69	21118	21092
2004	10247	4451	0	535	0	0	0	95	400	15728	15721
2003	7642	5565	0	344	0	0	0	118	273	13902	13901
2002	8186	7248	0	342	0	0	0	148	16	15940	15940
2001	7074	5674	0	108	0	0	0	99	0	12955	12954
2000	7196	4641	0	0	3	2	0	146	0	11988	11987

Type of Test or Procedure under Toxicity HO Classification A

- A30 Acute quantitative lethal toxicity test (LD50)
- A31 Acute quantitative lethal concentration test(LC50)
- A32 Acute Limit setting, or dose ranging lethal toxicity tests
- A33 Acute oral toxicity test (Includes such tests as Fixed dose Proc, Acute Toxic class Method, Up and Down Method, Max non-lethal dose, Max tolerated dose)
- A34 Subacute limit-setting or dose ranging toxicity test usually 14 to 28 days duration
- A35 Subacute quantitative toxicity test usually 14 to 28 days duration
- A36 Subchronic and chronic toxicity tests for 90 days or more
- A37 Carcinogenicity tests.
- A38 Genetic toxicology tests - includes mutagenicity tests
- A39 Teratogenicity tests
- A40 Other reproductive toxicity tests, including mutigenation studies.
- A41 Tests for clinical signs in eyes
- A42 Tests for skin irritation
- A43 Tests for skin sensitisation
- A44 Toxicokinetics
- A45 Pyrogenicity tests
- A46 Biocompatibility tests
- A47 Enzyme induction for in vitro tests
- A48 Immunotoxicological tests
- A50 Other toxicological tests

Year	Type of Test - NO of Procedures																				Total Procedures	Total Procs under A
	A30	A31	A32	A33	A34	A35	A36	A37	A38	A39	A40	A41	A42	A43	A44	A45	A46	A47	A48	A50		
2013	196	0	4	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	61	620	6461	899
2012	260	45	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3761	8827	4149
2011	426	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3684	9882	4197
2010	144	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4586	9582	4774
2009	0	12	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2120	8452	2208
2008	424	266	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	920	12376	1784
2007	338	0	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	18257	523
2006	287	92	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	366	28	17045	794
2005	382	110	191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	926	265	21118	1874
2004	73	488	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245	136	15728	1110
2003	429	958	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	13902	1535
2002	0	0	593	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	37	15940	849
2001	9	128	993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	97	12955	1258
2000	0	42	263	0	24	0	0	0	0	0	0	0	0	0	49	0	0	0	192	128	11988	698

Procedures by Legislative Requirement Codes and Year for Toxicological Purpose HO Classification A

- A91 Procedures performed to meet UK legislative requirements
- A92 Procedures performed to meet national legislation specific to only one EU member state excluding UK
- A93 Procedures performed to meet EU legislative requirements including European Pharmacopoeia
- A94 Procedures performed to meet member country of Council of Europe (excluding EU) legislation.
- A95 Procedures performed to meet legislative requirements of other countries
- A96 Any combination of A91 - A95 requirements
- A97 Toxicity tests carried out for purpose other than meeting legislative requirements

Year	Legislative Requirement Code by Procedures Tox A							Total Procedures	Total Procs Under A
	A91	A92	A93	A94	A95	A96	A97		
2013	0	0	0	0	0	600	299	6461	899
2012	0	0	0	0	0	3750	399	8827	4149
2011	0	0	0	0	0	3680	517	9882	4197
2010	0	0	0	0	0	4586	188	9582	4774
2009	0	0	0	0	0	2100	108	8452	2208
2008	0	0	0	0	0	900	884	12376	1784
2007	0	0	0	0	0	55	468	18257	523
2006	0	0	0	0	0	0	794	17045	794
2005	0	0	123	0	0	0	1751	21118	1874
2004	0	0	158	0	0	0	952	15728	1110
2003	0	0	12	0	0	0	1523	13902	1535
2002	0	0	20	0	12	0	817	15940	849
2001	0	0	424	0	0	0	834	12955	1258
2000	0	0	20	0	0	0	678	11988	698

Fundamental and Applied Studies other than Toxicology - Tox B

- B01 Anatomy and Developmental biology
- B02 Physiology
- B03 Biochemistry
- B04 Psychology/Behaviour
- B05 Pathology
- B06 Immunology
- B07 Microbiology
- B08 Parasitology
- B09 Pharmacology
- B10 Pharmaceutical Research and Development except for anti-cancer agents
- B11 Therapeutics
- B12 Clinical Medicine
- B13 Clinical Surgery including technique development
- B14 Dentistry
- B15 Genetics
- B16 Molecular Biology
- B17 Cancer Research including therapy
- B18 Nutrition
- B19 Zoology
- B20 Botany and plant pathology
- B21 Agricultural Animal Science not included in above codes
- B22 Ecology and environmental studies other than toxicology or other safety evaluation
- B23 Animal welfare studies
- B24 Other Purpose
- B31 Tobacco research
- B32 Alcohol Research

Fundamental and Applied Studies other than Toxicology - Tox B by Procedures																								Total Procedures	Proc under Tox B			
Year	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23			B24	B31	B32
2013	0	129	0	0	214	858	2178	0	87	0	2052	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	6461	5562
2012	0	122	0	0	217	842	2133	0	208	119	1006	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	8827	4678
2011	0	103	0	0	314	1895	1618	0	236	163	1348	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	9882	5685
2010	0	97	21	0	110	1466	1510	0	195	285	1124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9582	4808
2009	0	103	0	0	356	1166	2658	0	214	0	1747	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8452	6244
2008	0	95	6	0	167	972	7992	0	199	0	1161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12376	10592
2007	0	72	0	32	120	11783	3697	0	440	0	1540	30	0	0	0	0	0	0	0	0	0	0	0	0	20	0	18257	17734
2006	0	75	10	0	323	12774	1708	0	346	25	955	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17045	16251
2005	0	128	0	0	436	14938	1875	0	631	0	1236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21118	19244
2004	0	282	0	0	134	10361	2265	0	567	1	973	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15728	14618
2003	0	195	0	0	1090	7906	2126	0	560	8	387	94	0	0	0	0	0	0	0	0	0	0	0	1	0	0	13902	12367
2002	0	241	0	0	705	8852	3688	0	629	4	891	72	0	0	0	0	0	0	0	0	0	0	0	8	0	0	15940	15090
2001	0	90	32	0	170	5700	3107	0	809	50	1739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12955	11697
2000	0	232	135	0	277	7725	2117	0	404	0	387	0	10	0	0	0	0	0	0	0	0	0	0	0	3	0	11988	11120

Technique for Tox B

- B91 Direct interference with any part of the organs of special sense including the brain centres
- B92 Direct injection of micro-organisms or material suspected of containing micro-organisms
- B93 Other direct physical interference with the brain
- B94 Induction of psychological stress integral to the procedure
- B95 Use of aversive training stimuli
- B96 Exposure to ionising radiation at doses intended to produce a potentially aversive effect on the animal
- B97 Inhalation
- B98 Thermal injury
- B99 Physical Trauma
- B00 None of the above

Year	Technique for Tox B by Procedures										Total Procedures	Proc under Tox B	
	B91	B92	B93	B94	B95	B96	B97	B98	B99	B00			
2013	0	0	0	0	0	0	0	1280	0	82	4200	6461	5562
2012	0	0	0	0	0	0	5	1443	0	100	3130	8827	4678
2011	0	0	0	0	0	0	0	1246	0	135	4304	9882	5685
2010	0	0	0	0	0	0	0	1324	0	71	3413	9582	4808
2009	0	0	0	0	0	0	0	1486	0	61	4697	8452	6244
2008	0	0	0	0	0	0	0	843	0	68	9681	12376	10592
2007	0	0	0	0	0	0	0	1281	0	87	16366	18257	17734
2006	0	0	0	0	0	0	0	574	3	56	15618	17045	16251
2005	0	0	0	0	0	0	0	1216	34	51	17943	21118	19244
2004	0	0	0	0	0	0	0	1280	0	44	13294	15728	14618
2003	0	0	0	0	0	0	0	200	0	76	12091	13902	12367
2002	0	20	0	0	0	0	0	1484	0	196	13390	15940	15090
2001	0	18	0	0	0	0	0	946	0	45	10688	12955	11697
2000	0	111	0	0	0	0	0	254	0	69	10856	11988	11290