

## Additional Data Collection for 2017

Animals used in research and teaching are bred for purpose in registered breeding establishments. Some but not all animal research requires Home Office licensing and every year licensees are required to submit their "Return of Procedures" (RoP) to the Home Office; these include animals which have been humanely killed or died, as specified in the licence, and our figures are published on the website annually:-

(<https://www.bath.ac.uk/publications/facts-and-figures-about-our-animal-research/attachments/animal-research-statistics-2017-university-of-bath.pdf>).

In 2017, for the first time, the Home Office requested additional data for animals that were used in research and teaching but not included in the RoP (See Table below). These animal numbers are not usually returned but are essential for research development and education. This includes:-

- (a) Animals humanely killed to provide tissue samples
- (b) Animals bred for purpose but could not be used: Reasons include:-
  - They were the wrong sex for the research (although, wherever possible, these animals are used in (a) above)
  - They were involved in creating or maintaining genetically altered lines, but did not express the required genetic alteration (ie genetically normal)
  - The number bred was over and above the numbers needed for the research study (litter sizes can be unpredictable)
- (c) Animals used to sustain inbred colonies (this includes breeding stock and neonatal losses)
- (d) 'Sentinel animals' used to monitor the health of breeding stocks

The additional animals used in Bath are shown below. Further detailed information regarding the additional data collection is available on the "Understanding Animal Research" website:-

(<http://www.understandinganimalresearch.org.uk/animals/numbers-animals/additional-animal-statistics/>)

Additional Animals that died or were humanely killed for use in Research, Teaching or maintaining Breeding Colonies	
<b>Mice</b> ( <i>Mus musculus</i> )	<b>11,091</b>
<b>Rats</b> ( <i>Rattus norvegicus</i> )	<b>2,247</b>
<b>Guinea pigs</b> ( <i>Cavia porcellus</i> )	<b>30</b>
<b>Zebrafish</b> ( <i>Danio rerio</i> )	<b>943</b>
<b>Other Fish – Medaka</b> ( <i>Oryzias latipes</i> )	<b>93</b>
<b>Rabbits</b> ( <i>Oryctolagus cuniculus</i> )	<b>2</b>
<b>Domestic Fowl</b> ( <i>Gallus gallus domesticus</i> )	<b>131</b>
<b>TOTAL</b>	<b>14,537</b>