**References for AE factsheet**

1) Statistics of scientific procedures on living animals, Great Britain: 2018

https://www.gov.uk/government/statistics/statistics-of-scientific-procedures-on- living-animals-great-britain-2018

2) See: <https://www.animalaid.org.uk/cruel-experiments-marmosets-misguided-attempt-help-humans/>

3) Pippin JJ. 2005. The Need for Revision of Pre-Market Testing: The Failure of Animal Tests of COX-2 Inhibitors. Physicians Committee for Responsible Medicine.

4) See: Dr Adrian Stallwood (Animal Aid 2013), *Science Corrupted: the nightmare world of GM mice*, pp28/29.

5) ‘The best guess for the correlation of adverse reactions in man and animal toxicity data is somewhere between five and 25 per cent.’

Ralph Heywood, former director of Huntingdon Research Centre.

‘In one paper that reviewed drugs whose toxicity to humans caused their withdrawal from the market (1960-1990), only 4 out of 24 cases were predictable from animal data.’

Both from: Heywood R, 1990; Clinical toxicity – could it have been predicted? in Animal Toxicity Studies: their relevance for man, (Lumley and Walker, Eds CMR Workshop Series, Quay Publishing, Lancaster, 1990. ISBN 1 85642 000)

6) See: http://www.safermedicines.org/latestnewsitem.php?pid=2

Lester Crawford, FDA Commissioner, in The Scientist 6.8.04 “More compounds failing Phase I”: ‘92% of drugs fail in clinical trials, having successfully passed through animal studies’.

See also: ‘2006 press release, the US Secretary of Health and Human Services – Mike Leavitt – stated: ‘Currently, nine out of ten experimental drugs fail in clinical studies because we cannot accurately predict how they will behave in people based on laboratory and animal studies. (10% pass rate).

From [*Making A Killing*](http://www.animalaid.org.uk/images/pdf/booklets/makingakilling.pdf), p7, Animal Aid 2008.

7) Bhattacharya S. ‘Up to 140,000 heart attacks linked to Vioxx’, New Scientist, 25 January 2005 (<http://www.newscientist.com/article/dn6918-up-to-140000-heart-attacks-linked-to-vioxx.html#.VKugrHsnOM9>)

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