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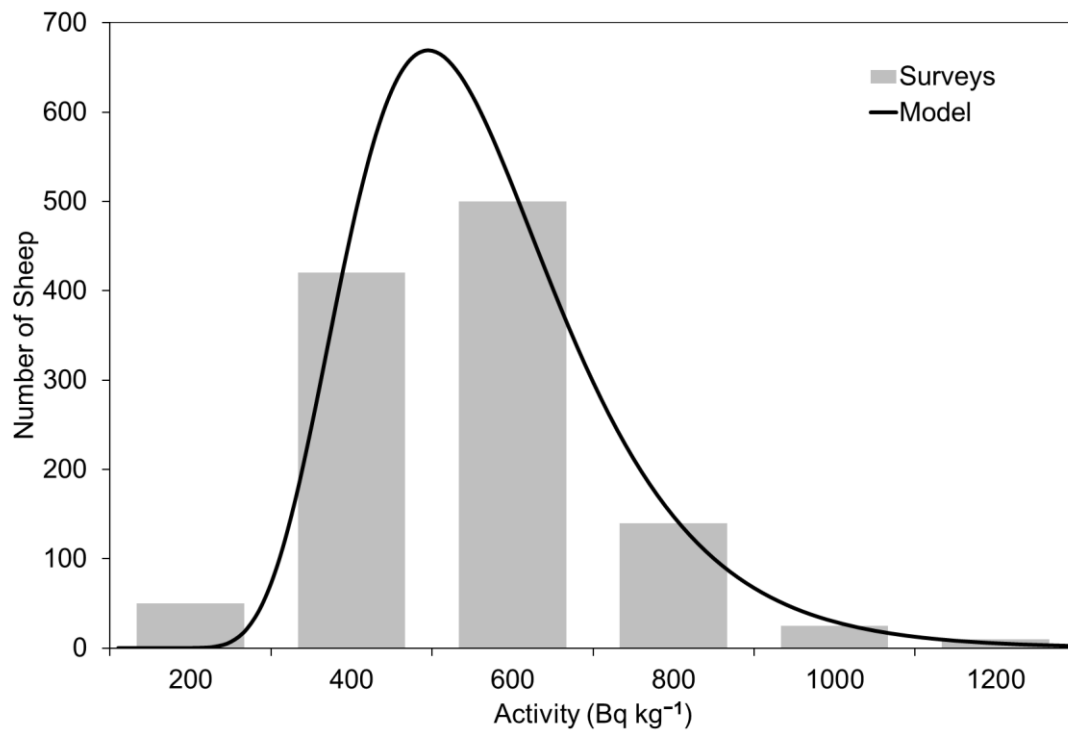


Figure 1. Activity concentration distribution from surveys of 1,144 Cumbrian sheep in 1992/3 (modified from Smith *et al* 2005, their Figure 3.5), overlaid by the best-fitting log-normal model (solid line).

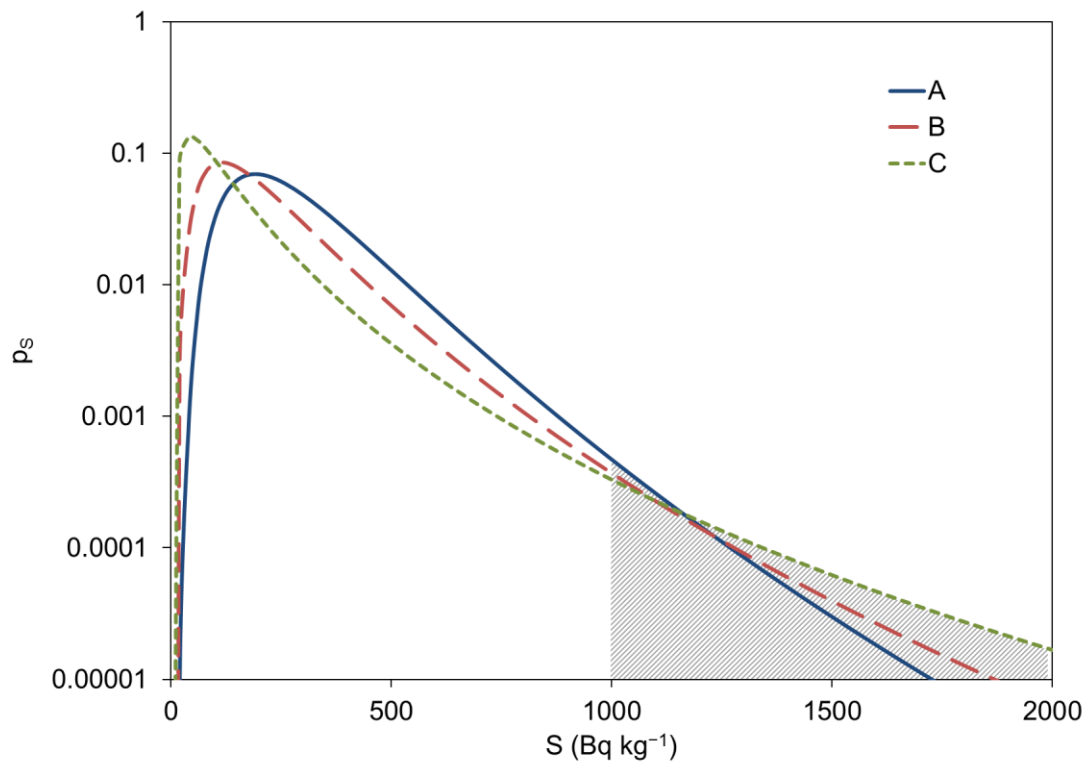


Figure 2. Probability density functions for the activity concentration models, A, B and C for 2010. Model parameters are given in Table 1. The hatched area corresponds to activity greater than the 1000 Bq kg^{-1} limit required by the UK restrictions.

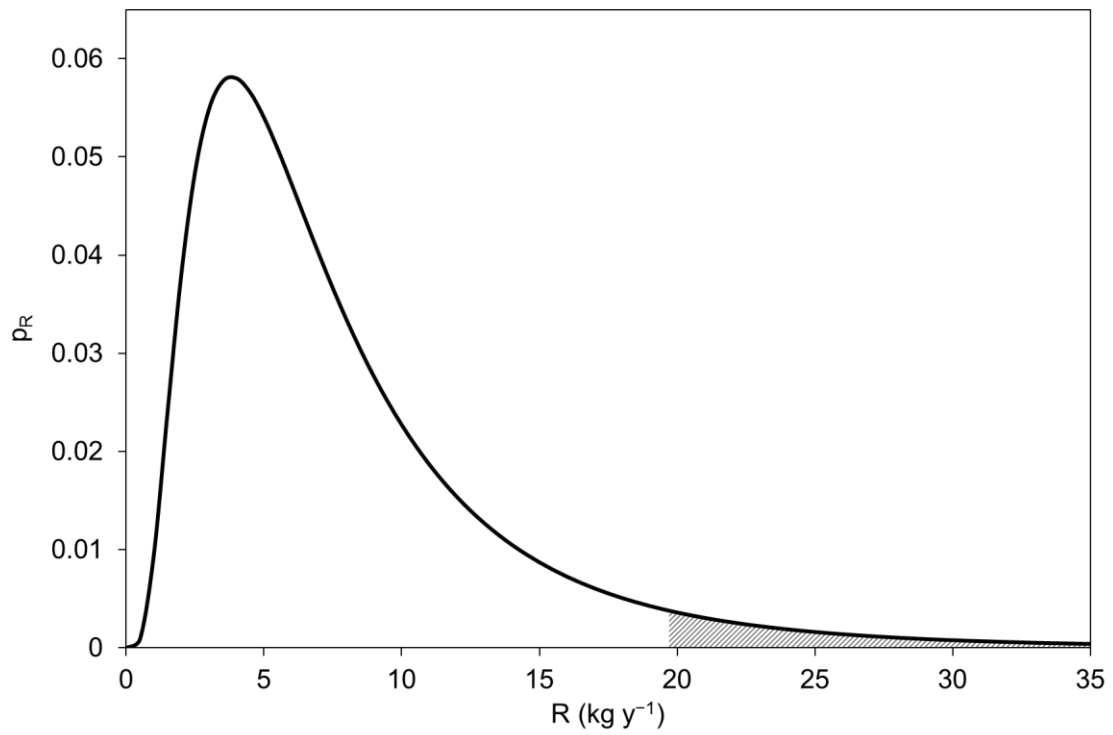


Figure 3. Adult consumption rate of sheep meat, based on a log-normal distribution matched to the data quoted in Field (2011). The hatched area corresponds to the 95th percentile used for the Field Representative Person.

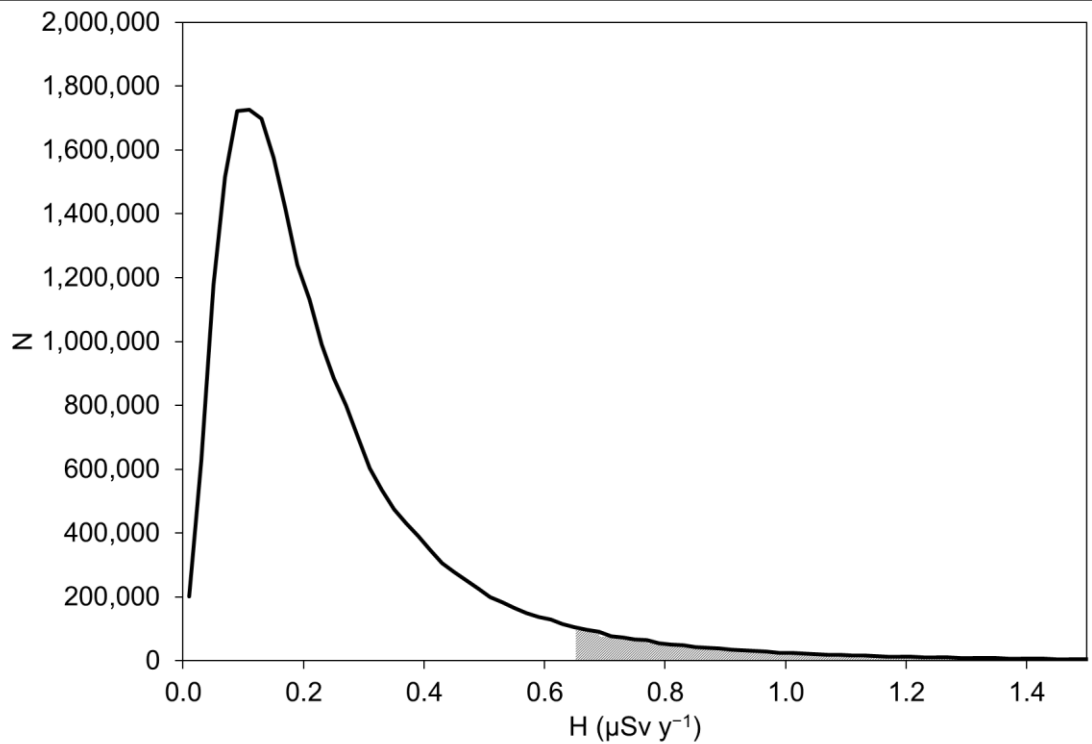


Figure 4. Distribution of effective doses received in the absence of restrictions. N is the number of people receiving a dose H ($\mu\text{Sv y}^{-1}$) in the range $H - 0.01 < H < H + 0.01$. The hatched area denotes the 95th percentile, corresponding to the ICRP Representative Person. Activity model A has been assumed.