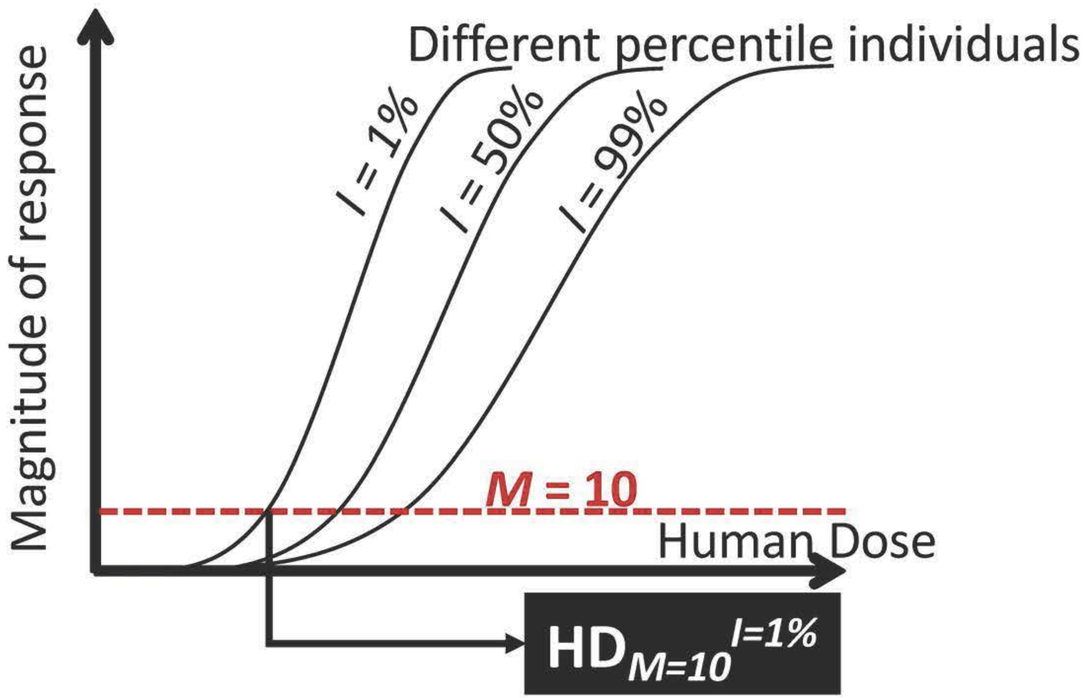
Traditional RfD:

$$\frac{NOAEL}{UF_A \times UF_H}$$

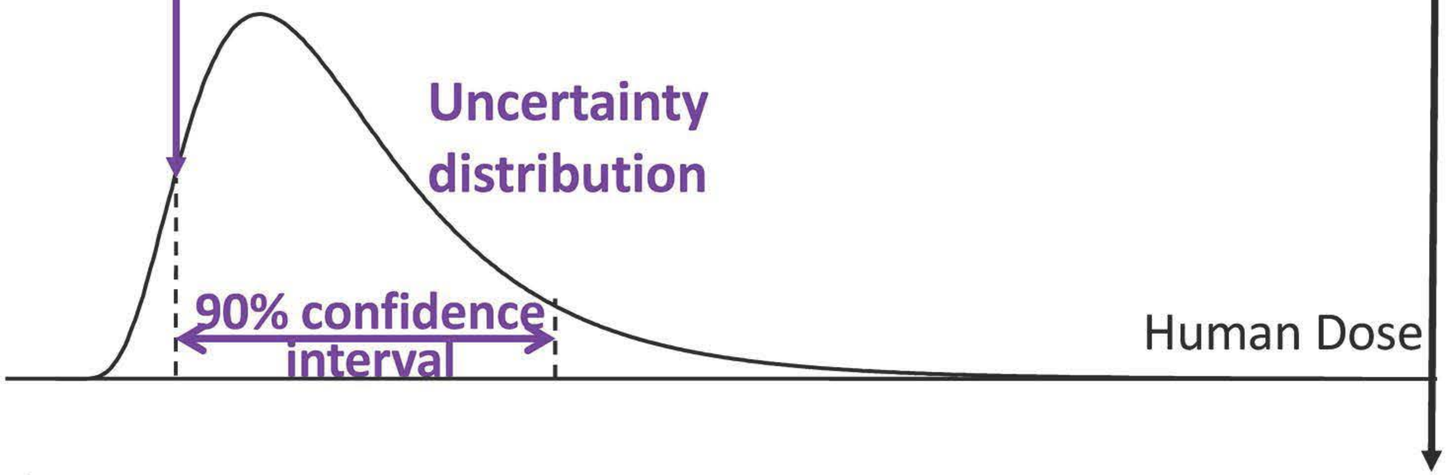
An ***estimate (with uncertainty spanning perhaps an order of magnitude) of a daily oral exposure*** to the ***human population (including sensitive subgroups)*** that is ***likely*** to be ***without an appreciable risk*** of *deleterious effects* during a lifetime.



Probabilistic RfD:

Lower 95%ile of $HD_M^I = \frac{BMD_M}{UF_{A,BW} \times UF_{A,TKTD} \times UF_{H,I}}$

A statistical lower 95% confidence limit on the daily human dose at which ***a fraction I of the population*** shows *an effect of magnitude (or severity) M or greater (for the effect considered)*.



HD_M^I: Human dose associated with an effect of magnitude *M*, and population incidence *I*