Figure 3.3 Relationship between exposure concentration and pathway risk.

\[ C_{bfg}^{(C_w)} = \text{Annual concentration of chemical } e, \text{ in contact medium } i, \text{ in exposure area } g, \text{ at site } f, \text{ in year } t, \text{ due to waste concentration } C_w \text{ and WMU type } b. \]

\[ PR_{bfg}^{(C_w)} = \text{Pathway specific risk for cohort that starts exposure at time } t \text{ to } t+\Delta t, \text{ associated with representative receptor of type } h, \text{ for pathway } j, \text{ involving exposure route } k, \text{ and contact medium } i, \text{ in exposure area } g, \text{ at site } f, \text{ for chemical } e, \text{ with waste concentration } C_w \text{ and WMU type } b. \]

\[ = fn \left[ \int_{t_i}^{t_i+\Delta t} \frac{C_{bfg}^{(C_w)}}{\Delta t} \right] \]