Endpoint	dose resp.	age mod.	parameter values
CeVD inc.	LNT	exponential	$\lambda = 0.25$ (0.10; 0.43) Gy^{-1}, $\mu' =$ -3.7 (-7.7; -0.3)
	LNT	step down	$\lambda = 0.39$ (0.24; 0.59) Gy^{-1}, $\mu = 64.4$ (63.2; 70.1) years
	Quadratic	step down	$\lambda = 0.16$ (0.10; 0.24) Gy^{-2}, $\mu = 68.5$ (63.3; >83) years
	Sigmoid	step down	$\lambda_0 = 575$ (1.0; ∞), $\lambda_1 = 1.6$ (1.0; 2.5), $\vartheta = 120$ (1.5; ∞) Gy, $\mu = 68.4$ (63.2; 81.1) years
Stroke inc.	LNT	step down	$\lambda = 0.34$ (0.05; 0.76) Gy^{-1}, $\mu = 48.8$ (41.1; 54.6) years
			or $\lambda = 0.14$ (0.03; 0.28) Gy^{-1}, $\mu = 64.2$ (57.8; 69.5) years
	Quadratic	step down	$\lambda = 0.18$ (0.04; 0.38) Gy^{-2}, $\mu = 49.1$ (45.4; 53.9) years
			or $\lambda = 0.06$ (0.01; 0.15) Gy^{-1}, $\mu = 62.9$ (<55; 69.0) years
	Step	step down	$\lambda_0 = 1.8$ (0.5; 4.6), $\vartheta = 1.9$ (1.1; 2.8) Gy, $\mu = 49.3$ (46.1; 54.5) years
			or $\lambda_0 = 1.0$ (0.3; 2.4), $\vartheta = 2.1$ (1.4; 2.9) Gy, $\mu = 58.7$ (56.8; 65.9) years

Table S3. Best parameter estimates and 95% confidence intervals for the ERR models of the dose-response relationship that passed the likelihood-ratio test.