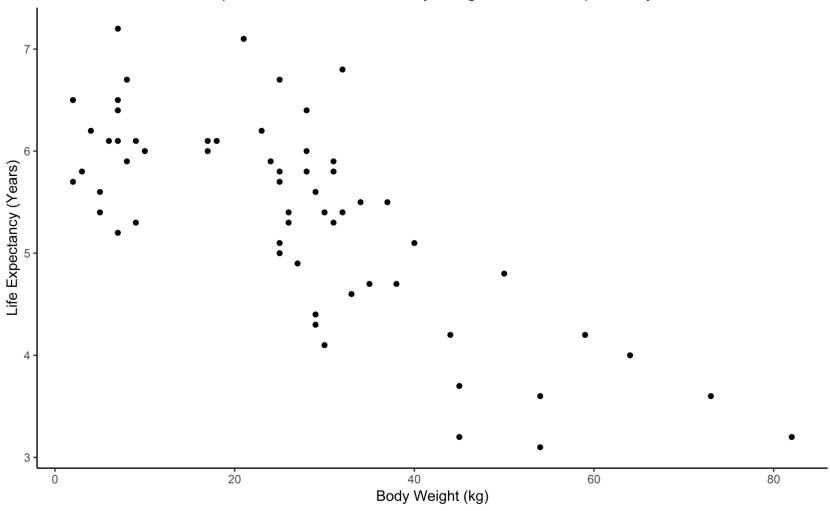


Supplementary Figure 1a.

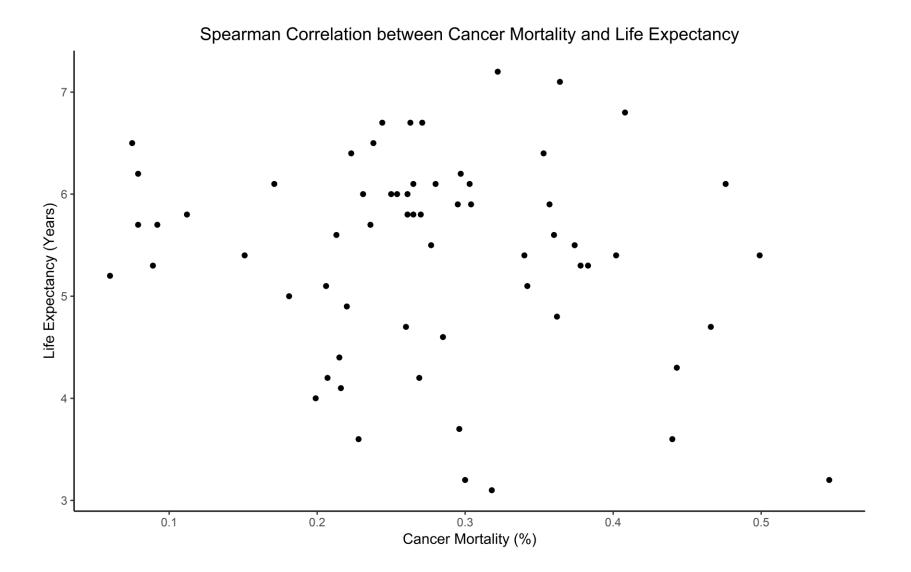
Spearman correlation: Raw cancer mortality (i.e. cancer mortality rate before linear regression with body weight) versus body weight (R = 0.501; P = 2.9E-05).

Spearman Correlation: Body Weight and Life Expectancy



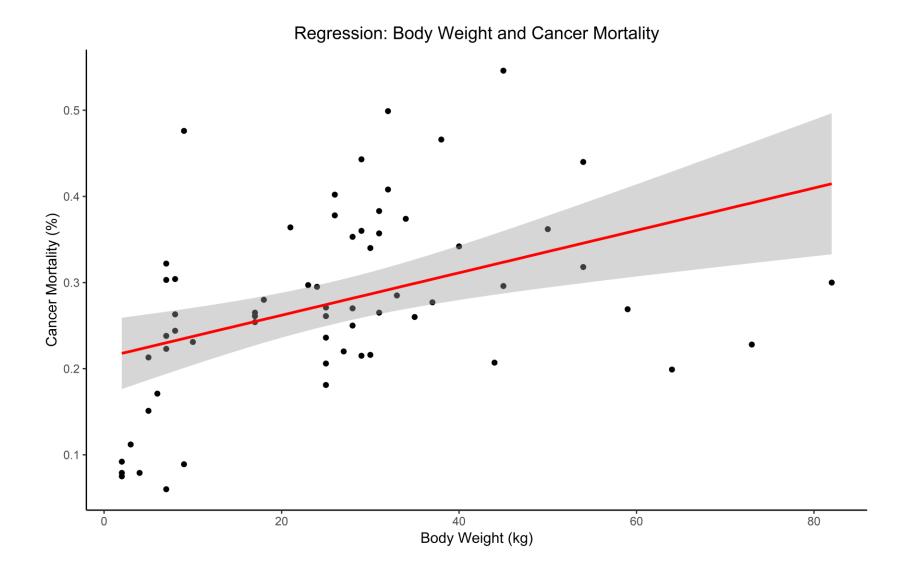
Supplementary Figure 1b.

Spearman correlation: Life expectancy versus body weight (R = -0.68; P = 6.73E-10).



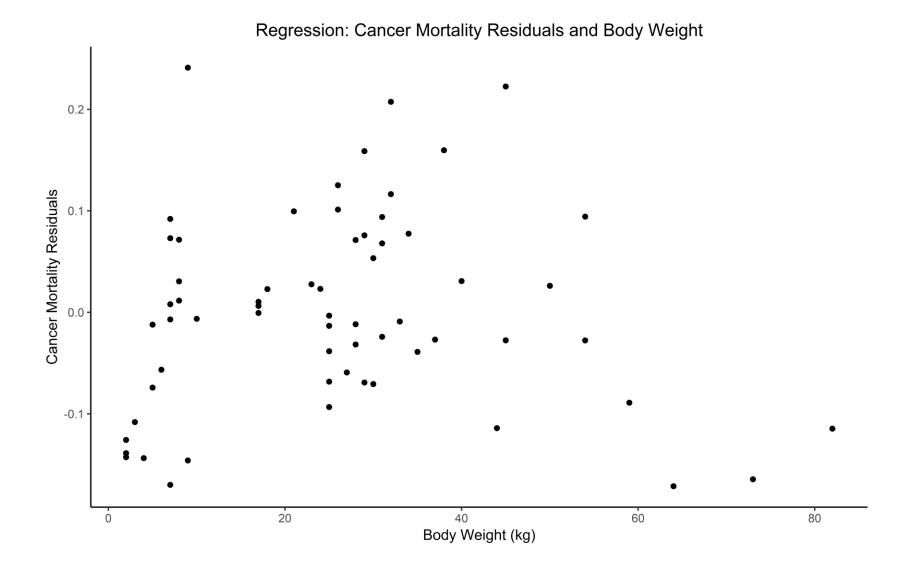
Supplementary Figure 1c.

Spearman correlation: Life expectancy versus raw cancer mortality (i.e. cancer mortality rate before linear regression with body weight) (R = -0.06; P = 0.63).



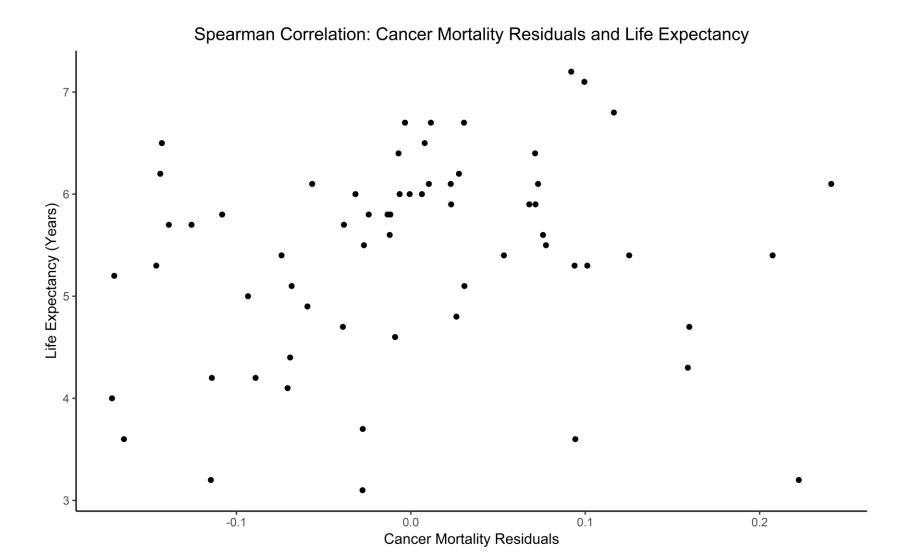
Supplementary Figure 1d.

Linear Regression: Raw cancer mortality (i.e. cancer mortality rate before linear regression with body weight) versus body weight (R = 0.413; P = 7.7E-04).



Supplementary Figure 1e.

Linear Regression: Cancer mortality residuals after linear regression with body weight versus body weight.



Supplementary Figure 1f.

Spearman correlation: Life expectancy versus cancer mortality residuals after linear regression with body weight (R = 0.24; P = 0.05).