Estimated Lifetime Risks

Lifetime risk of developing cancer from drinking water containing 70.0 µg/L of hexavalent chromium is 1:1,000 \(^2\)

Lifetime risk of developing cancer from drinking water containing 7.0 µg/L of hexavalent chromium is 1:10,000 \(^2\)

Lifetime risk of developing cancer from drinking water containing 0.7 µg/L of hexavalent chromium is 1:100,000 \(^2\)

Lifetime risk of developing cancer from drinking water containing 0.07 µg/L of hexavalent chromium is 1:1,000,000 \(^2\) (Note: this is the level at which HREs were sent)

Lifetime odds of death from being struck by lightning is 1:136,011 \(^1\)
Lifetime odds of death from a dog bite is 1:103,798 \(^1\)
Lifetime odds of death from a cataclysmic storm is 1:83,922 \(^1\)

References:
(2) Calculated using the United States Environmental Protection Agency (USEPA) Integrated Risk Information System (IRIS) oral cancer slope factor of 0.50 (mg/kg/d)\(^{-1}\); USEPA Toxicological Review Draft 2010.