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The effects of chronic exposure to ibuprofen on life history traits of *Daphnia magna*

Residues of pharmaceuticals are becoming a more prevalent pollutant in aquatic ecosystems over the recent years. Ibuprofen is one of the emerging pharmaceutical pollutants found in freshwater ecosystems. In this experiment we examine the effects of reported environmental concentrations of ibuprofen in Canada's surface waters on the life history traits of *Daphnia Magna*. Three treatments of ibuprofen concentrations were used: 0.0 ug/L, 1.0 ug/L and 4.0 ug/L. For each treatment, five neonates were placed in a one liter beakers with two replicates. The daphnia were examined visually for four weeks every two days for life history traits. the resulting data is analyzed using ANOVA.

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