



### How much urine is in a swimming pool?

Canadian researchers have answers to a question you might regret asking: How much urine is in a typical swimming pool?

Using the presence of acesulfame-K (ACE), a widely consumed synthetic sweetener, as a marker for urine detection, the researchers tested ACE concentration over three weeks in two different-sized pools.

Based off the average levels of ACE detected, researchers estimated that one 830,000 liters pool -- which is about one-third the size of an Olympic swimming pool -- had an estimated urine volume of 75 liters.

The researchers also tested 250 samples from 31 pools and hot tubs from two unnamed Canadian cities. ACE was present in all samples and the concentration was 570 times greater than regular tap water.