

Health Impacts Related to Ozone (CPANS Presentation)

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Abstract

Health impacts related to ozone have received wide-spread scientific attention over the past 10 to 15 years. Toxicological studies with animals and *in vitro* methods are used to explore and identify the mechanistic aspects of ozone toxicity. The adverse impacts of ozone to individual and public health have been described by a large body of scientific evidence from both clinical and epidemiological studies. This presentation will provide a cursory review of the key aspects regarding ozone toxicity and adverse outcomes from a human health perspective. In addition, the toxicological basis of the Alberta Ambient Air Quality Objective and Canada Wide Standard for ozone will be described in relation to recent scientific evidence. As well, a progress report on the achievement of the standards in Canada and the U.S. will be provided. Finally, this presentation will describe guidelines that are recommended from other jurisdictions to provide additional perspective.