# HEAVY METALS IN DRINKING WATER AND THEIR IMPACT ON HUMAN HEALTH

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## ABSTRACT

*In the study work (articles) of different writers, the concentrations of heavy metal pollution in different water sources such as ground, surface, and tap water were gathered from diverse water origins (sources) in a specific region. The heavy metal content was measured by the researchers using conventional literature methods in their individual study. Atomic Absorption spectroscopy, Differential Pulse Anodic Stripping Voltammetry (DPASV), samples acidified to 1% with nitric acid, and then kept in double-capped polyethylene bottles were used in their study. Heavy metals discovered in their study work included Cd, Cr, Cu, Fe, Pb, Co, Mn, Hg, Ni, and Zn. When contrasted to national and international agencies such as WHO (2008), USEPA, EUC, and EPA, the amounts found were greater than the standard permissible and recommended level. The scientists discovered detrimental impacts on human health as a result of the heavy metal contents found in their study effort. Water tests are not acceptable for drinking reasons until they are treated with water agencies due to the quantities of heavy metals(determined) examined from the study papers. As a result, the purpose of this study is to evaluate the research work on heavy metal concentrations in drinking water sources done by various writers in their published studies. The physiological consequences (damages) to public health have been seen when water from such sources (regions of their respective territories) is used for drinking purposes.*

**KEYWORDS:** *Concentration, Drinking, Heavy Metals, Human Health, Physiological Parameters.*

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