

# Lead, Copper & Lithium Contamination in Drinking Water and Cooking

## Contaminants in Drinking Water

Contaminants like lead, copper, and lithium in drinking water pose significant public health risks, especially in areas with aging infrastructure or poor water treatment. It is found through extensive research\* that **56%** of country's population drank water containing over the 1 parts per billion (ppb) health concerning limit. Are you **safe**?

## Health Hazards

- Neurological Damage:** Lead is highly toxic to the nervous system, particularly in young children and infants, leading to developmental delays, reduced IQ, and behavioral issues.
- Cardiovascular Problems:** Lead exposure can cause high blood pressure and increase the risk of heart disease.
- Kidney Damage:** Prolonged exposure to lead can result in kidney damage and decreased kidney function.
- Reproductive Issues:** Lead exposure can affect reproductive health such as reduced fertility, miscarriages, and premature births.
- Bone and Joint Problems:** Lead can accumulate in the bones, leading to bone weakness and joint pain.
- Stomach Issues:** Lead ingestion can cause abdominal pain, constipation, and other gastrointestinal problems.
- Immune System Harm:** Chronic lead exposure can weaken the immune system, making the body more susceptible to infections.



## Cooking and Boiling Water

Boiling water to remove heavy metals is **NOT** an effective solution; Cooking may also increase the risk of exposure of lead and copper by concentrating contaminants such as lead, copper and Lithium. Matergenics offers valuable services to detect, determine the source, causes of, and mitigate lead, copper, and lithium contamination in drinking water and cooking water.

## Contact Team Watergenics



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