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## Water Quality of Public and Municipal Supplies: Potential Health Risk from Household Water Storage

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**Abstract:**

Water quality control is essential throughout its supply, distribution, and storage to protect customers and slow the development of illnesses linked to contaminated water. Drinking contaminated water causes several health issues in the majority of developing nations. Even though urban residents have access to piped water supplies, water experts tend to ignore them since poor storage and cross-contamination in the distribution system are the main causes of water-borne illnesses. Additionally, contamination during tank filling, corrosion or leaching of older tanks, or environmental pollution has an impact on quality. In this issue, Al-Hadheq et al. (2024) demonstrates the contamination of water samples collected from household water tanks than other water sources. Household tank water quality raises the alarming problem that, even in cases where a municipal water supply is initially clean, improper storage in household tanks can result in significant contamination, which can affect public health due to possible bacterial growth and chemical imbalances. This calls for greater awareness of the importance of proper tank maintenance and cleaning procedures to guarantee safe drinking water.



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