

## **Assessment of Availability and Factors Associated with Improved Sanitation Facilities in Urban Kebeles of Dire Dawa City, Eastern Ethiopia in 2022**

**Authors :** Meki Detamo, Ahmed

**Abstract :** Access to improved sanitation facilities is crucial for promoting community sanitation worldwide. In Ethiopia, however, sanitation remains a major development challenge despite growing attention and efforts by governments and donors. This study aimed to assess the availability of improved sanitation facilities and associated factors in urban kebeles of Dire Dawa City, Eastern Ethiopia, in 2022. A community-based cross-sectional study was conducted from March 6 to 30, 2022, using a multi-stage sampling technique to select 508 households. Data was collected through structured and pre-tested questionnaires using face-to-face interviews and observations and analyzed using SPSS Version 23. The availability of improved sanitation facilities was found to be remarkably high at 98.2% (95% CI: 97.0, 99.2), with 60.8% of households having a handwashing facility in or around the latrine, 86.0% using soap and water, and 89.0% using an improved water source for drinking. Logistic regression analysis revealed that households with a family size of less than four, those who owned their own house, and those who had self-initiated latrine construction were significantly associated with the availability of improved sanitation facilities. The study recommends the implementation of continuous refreshment training to emphasize the benefits of improved sanitation facilities in the urban community and family planning. This study provides valuable insights into the high availability of improved sanitation facilities in urban areas of Ethiopia and can inform future efforts to improve community sanitation.

**Keywords :** sanitation facilities, availability, improved, Dire Dawa, Ethiopia

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