



## FACTORS CONTRIBUTING TO DIARRHEAL DISEASES IN THE MUNICIPALITY OF LILOAN, CEBU, PHILIPPINES

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**ABSTRACT** – Although the Philippines has its 2007 Philippine National Standards for Drinking Water (PNSDW), it was reported that water-borne diseases still occurred. The study's main objective was to assess the factors contributing to diarrheal diseases in the Municipality of Liloan, Cebu, Philippines. Using stratified random sampling, twenty-eight household respondents from each of the fourteen barangays (the basic political unit in the country) were selected. Questionnaires and personal interviews were conducted. The statistical significance between the group with water-borne diseases and those without water-borne diseases in terms of water usage, sanitation practices, community problems (environmental pollution and water scarcity), and perceptions about water were calculated. Results showed that the factors mentioned above contributed to the incidences of diarrheal diseases in the municipality. Purified drinking water was preferred by half of the respondents; households using purified water from water refilling stations were less prone to diarrheal diseases than those relying on other drinking water sources. Seventy-three percent of the households without incidences of diarrheal diseases had good to very good sanitation practices, which was significantly higher than households with incidences of diarrheal diseases. Both groups also considered 'Poor solid waste disposal' as the foremost source of pollution. Recommendations to reduce incidences of diarrheal diseases were then presented.

*Keywords: diarrheal disease, Cebu Philippines, sanitation practices*



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