

An Epidemiological Investigation of Acute Diarrheal Disease Outbreak at Urban area in Borsad Taluka of Anand District

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ABSTRACT

Introduction: Acute Diarrheal Disease (ADD) is affecting millions of people around the world especially in second world nations now a days. Major pathogenic organisms that cause diarrhea, are transmitted through feco-oral route. We investigated an outbreak of Acute Diarrheal Disease at urban area of Borsad taluka, Anand District of Gujarat state with **Objectives:** 1. To confirm the existence of an outbreak, 2. To know the magnitude and distribution of the outbreak with reference to time, place and person, 3. To identify the source of infection, mode of transmission and implement control and preventive measures. **Method:** A Cross Sectional Epidemiological study was carried out to investigate the outbreak of acute diarrheal disease cases in urban area of Borsad taluka. We obtained required information from Chief District Health Office, Anand & Community Health Centre, borsad, conducted house to house survey and also inspected the sanitation and water supply of the affected area. **Results:** There were 72 cases of acute diarrheal disease. The overall Attack Rate was 0.43%. Majority of the affected population used non-chlorinated water for drinking. **Conclusion:** The underlying cause for the outbreak of acute diarrheal disease can be co-related by consumption of contaminated water and food.

Keywords: Acute Diarrheal Disease, Borsad, Chlorination, Epidemic Investigation.