



Centers for Disease Control and Prevention
Epidemiology Program
Office Case Studies in Applied
Epidemiology
No. 401-303

Oswego – An Outbreak of Gastrointestinal Illness Following a Church Supper

Student's Guide

Learning Objectives

After completing this case study, the participant should be able to:

- ❶ Define the terms "cluster," "outbreak," and "epidemic;"
- ❷ List the steps in the investigation of an outbreak;
- ❸ Draw, interpret, and describe the value of an epidemic curve;
- ❹ Calculate and compare food-specific attack rates to identify possible vehicles;
- ❺ List reasons for investigating an outbreak that has apparently ended.

This case study is based on an investigation conducted by the New York State Department of Public Health Division. The case study was developed by Wendell Ames, MD, Stafford Wheeler, MD, and Alexander Langmuir, MD in the early 1940s. It has been substantially updated and edited since then by Philip Brachman, Michael Gregg, and Richard Dicker, with input from the many instructors who have reviewed and taught "Oswego" as part of the EIS Summer Course each year.



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service



Oswego Outbreak Case Study Guide

Ying Liu



Oswego Outbreak Case Study Guide:

Essential Readings in Infectious Disease Epidemiology Manya Magnus,2008-12-01 **Intermediate**

Epidemiology Manya Magnus,2014-09-15 Intermediate Epidemiology Methods That Matter provides masters level public health students with a solid foundation in the epidemiologic methods necessary for implementing successful public health programs This book stands apart from other intermediate texts in that it focuses on conceptual learning of basic methods without relying on extensive jargon The book uniquely uses a self learning approach with exercises embedded in each page to reinforce concepts and application The book creates a bridge from student to professional with lively descriptions of career paths for the MPH level epidemiologist Complete chapters on program evaluation and implementation and analysis of studies are also provided Key Features Examines the methodological skill set unique to epidemiology at an intermediate level Provides practice problems case studies discussion sections and datasets in which to practice the methods learned Offers boxed examples from sources such as peer reviewed literature governmental resources and lay sources **Monthly**

Catalog of United States Government Publications ,1983 **Monthly Catalogue, United States Public Documents** ,1983 **Health Services Reports** United States. Health Services and Mental Health Administration,1976 *Public Health Reports* ,1976 **Final Environmental Impact Statement** ,1989 **Public Health Reports** ,1976

Foodborne Disease Outbreaks World Health Organization,2008 These guidelines have been written for public health practitioners food and health inspectors district and national medical officers laboratory personnel and others who may undertake or participate in the investigation and control of foodborne disease outbreaks P 4 of cover **Field**

Epidemiology Michael B. Gregg,2008 Field epidemiology involves the application of epidemiologic methods to unexpected health problems when a rapid on site investigation is necessary for timely intervention Based on decades of experience in both infectious and noninfectious diseases at the Centers for Disease Control and Prevention this book describes in simple and practical terms the distinct approach tasks and actions needed for successful field investigations Guidance is given on such issues as how to perform surveillance manage and execute field investigations collect and analyze data perform surveys adapt a personal computer for field use and communicate the findings Specific advice is also given on such subjects as dealing with the media investigations in health care day care and international settings and the legal aspects of field studies An entire chapter covers the proper collection handling and testing of infectious and noninfectious agents in the field In the Second Edition four new chapters cover many unique aspects of field studies in the workplace after natural disasters in preparation for and response to possible bioterrorist attacks and by state and local health departments Finally an appendix describes how to investigate a common source food borne epidemic This text gives public health professionals and students a practical and complete refernece to use in virtually any field investigation setting **Producers' Guide** ,1970 Water and Gas Review ,1911 *Country Gentleman* ,1866 *Ladies in the Laboratory? American and British Women in Science,*

1800-1900 Mary R.S. Creese, 2000-01-01 A systematic survey and comparison of the work of 19th century American and British women in scientific research this book covers the two countries in which women of the period were most active in scientific work and examines all the fields in which they were engaged The field by field examination brings out patterns and concentrations in women s research in both countries and allows a systematic comparison of the two national groups Through this comparison new insights are provided into how the national patterns developed and what they meant in terms of both the process of women s entry into research and the contributions they made there Ladies in the Laboratory features a specialized bibliography of nineteenth century research journal publications by women created from the London Royal Society s Catalogue of Scientific Papers 1800 1900 In addition 23 illustrations present in condensed form information about American and British women s scientific publications throughout the nineteenth century This well organized blend of individual life stories and quantitative information presents a great deal of new data and field by field analysis its broad and methodical coverage will make it a basic work for everyone interested in the story of women s participation in nineteenth century science

The Internal Revenue Record and Customs Journal ,1893 New York State Journal of Medicine ,1913 Cultivator and Country Gentleman ,1866 **The Independent** ,1895 A Paradox of Power Charles W. Welby, Monica E. Gowan, 1998-01-01 The papers in this volume illustrate issues and opportunities confronting geologists as they bring their knowledge and understanding to bear in matters related to public health and welfare **Annual Report** New York (State). Department of Health, 1945 The vital statistics are included in the annual report

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