



**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**

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### **Student's Guide**

#### **Learning Objectives**

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

- Define the terms "cluster," "outbreak," and "epidemic;"
- List the steps in the investigation of an outbreak;
- Draw, interpret, and describe the value of an epidemic curve;
- Calculate and compare food-specific attack rates to identify possible vehicles;
- 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  
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# Oswego Outbreak Case Study Guide Teachers Guide

**LM Reder**

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**Essential Readings in Infectious Disease Epidemiology** Manya Magnus,2008-12-01      **Essentials of Infectious Disease Epidemiology** Manya Magnus,2008 Essentials of Infectious Disease Epidemiology is devoted specifically to the methods required to study infectious disease making the perfect introduction to the field for undergraduate and introductory masters level public health students It will provide students with the requisite skills to conduct evaluate and understand the field of infectious disease epidemiology      *Health Services Reports* United States. Health Services and Mental Health Administration,1976      Public Health Reports ,1976      **Public Health Reports** ,1976      **Merchant and Banker ...** ,1874      **The Christian Union** ,1877      **The Youth's Companion** Nathaniel Willis,Daniel Sharp Ford,1884 Includes music      **Outlook** Alfred Emanuel Smith,Francis Walton,1877      Health News New York (State). Department of Health,1908      AJPS American Journal of Political Science ,2001      **Health News. Monthly Bulletin** New York (State). Division of Public Health Education,1908      *Host Bibliographic Record for Boundwith Item Barcode 38888101806879 and Others* ,1907      **Ladies in the Laboratory? American and British Women in Science, 1800-1900** Mary R.S. Creese,1998-03-19 A survey of nineteenth century women whose journal publications are listed in the 19 volume London Royal Society's Catalogue of scientific papers 1800 1900 comprising an author index to scientific papers contained in the transactions of societies journals and other periodical works being the major index of scientific journal literature for the period      **Directory of American Scholars** ,1969      **Who's who in America** ,1948      History of the State of Kansas. Containing a Full Account of Its Growth from an Uninhabited Territory to a Wealthy and Important State ... William G. Cutler,Alfred Theodore Andreas,1883      *Teaching Epidemiology* Jørn Olsen,Naomi Greene,Rodolfo Saracci,Dimitrios Trichopoulos,2015 Teaching Epidemiology is written for those who are teaching epidemiology for the first time or for those who have to teach a new course in epidemiology The book covers core method issues as well as disease or exposure oriented topics and provides a carefully selected set of reading material that the teacher should be familiar with

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web apr 4 2014 pushover is a static nonlinear analysis method where a structure is subjected to gravity loading and a monotonic displacement controlled lateral load pattern which continuously increases through elastic and inelastic behavior until an ultimate condition is reached

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web simple example of a pushover analysis is illustrated in figure 1 this procedure requires the execution of a non linear static analysis of a structure which allows monitoring progressive

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web the purpose of pushover analysis is to evaluate the expected performance of structural systems by estimating its strength and deformation demands in design earthquakes by means of static inelastic analysis and comparing these demands to available capacities at the performance levels of interest