



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

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### 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



# Cdc Epidemiology Answer Guide Oswego Outbreak

**Ian Pickup**



## **Cdc Epidemiology Answer Guide Oswego Outbreak:**

Principles of Epidemiology Workbook: Exercises and Activities Ray M. Merrill, 2010-09-15 This workbook was written for students of epidemiology and serves as a supplement to any one of several introductory text books in epidemiology Each chapter is divided into an introduction a series of questions and detailed responses and a series of Homework questions At the end of each chapter is a table with a list of selected epidemiology text books with accompanying chapters in those books that the workbook chapter may supplement The general learning outcomes LOs for this workbook are 1 Become familiar with basic concepts and definitions commonly used in epidemiology 2 Define a public health problem 3 Identify appropriate uses and limitations of data and research design strategies for solving public health problems 4 Make relevant inferences from quantitative and qualitative data 5 Distinguish between statistical association and cause effect relationships 6 Measure and describe patterns of disease incidence prevalence and mortality 7 Identify environmental factors and behaviors associated with health related states or events 8 Be familiar with the steps for investigating disease outbreaks 9 Identify calculate and interpret common indices used in identifying the health status 10 Evaluate program effectiveness 11 Critically assess epidemiological research 12 Be able to communicate health findings Each chapter features 10 20 mastery check questions with detailed answers 5 optional problems A case study A multiple choice short answer quiz Answers to the cases and quizzes are provided as part of the online instructor resource package

*The CDC Field Epidemiology Manual* Centers for Disease Control and Prevention (U.S.), 2019 A NEW AND ESSENTIAL RESOURCE FOR THE PRACTICE OF EPIDEMIOLOGY AND PUBLIC HEALTH The CDC Field Epidemiology Manual is a definitive guide to investigating acute public health events on the ground and in real time Assembled and written by experts from the Centers for Disease Control and Prevention as well as other leading public health agencies it offers current and field tested guidance for every stage of an outbreak investigation from identification to intervention and other core considerations along the way Modeled after Michael Gregg s seminal book *Field Epidemiology* this CDC manual ushers investigators through the core elements of field work including many of the challenges inherent to outbreaks working with multiple state and federal agencies or multinational organizations legal considerations and effective utilization of an incident management approach Additional coverage includes Updated guidance for new tools in field investigations including the latest technologies for data collection and incorporating data from geographic information systems GIS Tips for investigations in unique settings including healthcare and community congregate sites Advice for responding to different types of outbreaks including acute enteric disease suspected biologic or toxic agents and outbreaks of violence suicide and other forms of injury For the ever changing public health landscape The CDC Field Epidemiology Manual offers a new authoritative resource for effective outbreak response to acute and emerging threats Oxford University Press will donate a portion of the proceeds from this book to the CDC Foundation an independent nonprofit and the sole entity created by Congress to mobilize philanthropic and private sector resources to support the

Centers for Disease Control and Prevention's critical health protection work To learn more about the CDC Foundation visit [www.cdcfoundation.org](http://www.cdcfoundation.org)      **The CDC Field Epidemiology Manual** Centers for Disease Control and Prevention (CDC), 2018  
A NEW AND ESSENTIAL RESOURCE FOR THE PRACTICE OF EPIDEMIOLOGY AND PUBLIC HEALTH The CDC Field Epidemiology Manual is a definitive guide to investigating acute public health events on the ground and in real time  
Assembled and written by experts from the U.S. Centers for Disease Control and Prevention as well as other leading public health agencies it offers current and field tested guidance for every stage of an outbreak investigation from identification to intervention and other core considerations along the way      *Don't Panic!* Maria Quigley, Mark Myatt, 1996-10-01

Outbreak Investigations Around the World Dworkin, 2010-10-22 Outbreak investigation is one of the primary and most critical activities in epidemiology Infectious disease outbreaks always require intense rapid on site response and gain front page headlines Bacterial or viral outbreaks occur quickly and students and professionals should know how to react This title uses Field Epidemiology the application of epidemiology methods for unexpected health problems requiring fast on site investigation for timely intervention      *Principles of Epidemiology* Homestudy Course 3030-G, 1980      **Don't Panic** Mark Myatt, Maria Quigley, 1994-12-01

Delve into the emotional tapestry woven by Crafted by in Dive into the Emotion of **Cdc Epidemiology Answer Guide Oswego Outbreak** . This ebook, available for download in a PDF format ( PDF Size: \*), is more than just words on a page; it is a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

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