

# The Smallpox Vaccination Program

Public Health in  
an Age of Terrorism



INSTITUTE OF MEDICINE  
OF THE NATIONAL ACADEMIES

# Smallpox Vaccination Program Public Health In An Age Of Terrorism

**Robert Peckham**



## **Smallpox Vaccination Program Public Health In An Age Of Terrorism:**

The Smallpox Vaccination Program Institute of Medicine, Board on Health Promotion and Disease Prevention, Committee on Smallpox Vaccination Program Implementation, 2005-10-06 December 13 2002 the president of the United States announced that smallpox vaccination would be offered to some categories of civilians and administered to members of the military and government representatives in high risk areas of the world The events that precipitated that historic announcement included a series of terrorist attacks during the 1990s which culminated in the catastrophic events of 2001 Although preparedness for deliberate attacks with biologic weapons was already the subject of much public health planning meetings and publications as the twentieth century neared its end the events of 2001 led to a steep rise in bioterrorism related government policies and funding and in state and local preparedness activities for example in public health health care and the emergency response and public safety communities The national smallpox vaccination program is but one of many efforts to improve readiness to respond to deliberate releases of biologic agents The Institute of Medicine IOM Committee on Smallpox Vaccination Program Implementation was convened in October 2002 at the request of the Centers for Disease Control and Prevention CDC the federal agency charged with implementing the government's policy of providing smallpox vaccine first to public health and health care workers on response teams then to all interested health care workers and other first responders and finally to members of the general public who might insist on receiving the vaccine The committee was charged with providing advice to the CDC and the program investigators on selected aspects of the smallpox program implementation and evaluation The committee met six times over 19 months and wrote a series of brief letter reports The Smallpox Vaccination Program Public Health in an Age of Terrorism constitutes the committee's seventh and final report and the committee hopes that it will fulfill three purposes 1 To serve as an archival document that brings together the six reports addressed to Julie Gerberding director of CDC and previously released on line and as short unbound papers 2 To serve as a historical document that summarizes milestones in the smallpox vaccination program and 3 To comment on the achievement of overall goals of the smallpox vaccination program in accordance with the last item in the charge including lessons learned from the program

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funding and in state and local preparedness activities for example in public health health care and the emergency response and public safety communities The national smallpox vaccination program is but one of many efforts to improve readiness to respond to deliberate releases of biologic agents The Institute of Medicine IOM Committee on Smallpox Vaccination Program Implementation was convened in October 2002 at the request of the Centers for Disease Control and Prevention CDC the federal agency charged with implementing the government's policy of providing smallpox vaccine first to public health and health care workers on response teams then to all interested health care workers and other first responders and finally to members of the general public who might insist on receiving the vaccine The committee was charged with providing advice to the CDC and the program investigators on selected aspects of the smallpox program implementation and evaluation The committee met six times over 19 months and wrote a series of brief letter reports The Smallpox Vaccination Program Public Health in an Age of Terrorism constitutes the committee's seventh and final report and the committee hopes that it will fulfill three purposes 1 To serve as an archival document that brings together the six reports addressed to Julie Gerberding director of CDC and previously released on line and as short unbound papers 2 To serve as a historical document that summarizes milestones in the smallpox vaccination program and 3 To comment on the achievement of overall goals of the smallpox vaccination program in accordance with the last item in the charge including lessons learned from the program

**Who's in Charge?** Laura H. Kahn, 2020-04-16 With a new preface assessing leadership responses to the coronavirus pandemic this text explores leadership problems that can develop during such public health crises as the 2001 anthrax attacks 2003 SARS epidemic and Mad Cow Disease epidemic of the 1980s 1990s A threat to public health such as a rampaging virus is no time for a muddled chain of command and contradictory decision making Who's In Charge Leadership during Epidemics Bioterror Attacks and Other Public Health Crises re issued with a new preface assessing leadership during the COVID 19 outbreak explores the crucial relationships among political leaders public health officials and journalists to see why leadership confusion develops As the problematic response to COVID 19 has once again shown the reluctance of politicians to risk alarm can run counter to the public health need to prepare for worse cases Many leaders will seek high visibility during a public health crisis but politicians are not medical experts and the more they speak the more they risk disseminating harmful information How to achieve the right balance is the essence of this book Beginning by looking at the overarching issues of leadership and public health administration it then examines in depth five emergencies the 2001 anthrax attacks the 1993 cryptosporidium outbreaks the 2003 SARS outbreak the 2001 foot and mouth disease crisis and the battle against Mad Cow Disease Biosecurity in the Global Age David Fidler, Lawrence O'Galthorpe Gostin, 2008 The renewed threat of biological weapons highlights the importance of crafting policy responses informed by the rule of law This book explores patterns in recent governance initiatives and advocates building a global biosecurity concert as a way to address the threats presented by biological weapons and infectious diseases in the early 21st century BOOK JACKET **The**

**politics of vaccination** Christine Holmberg, Stuart Blume, Paul Greenough, 2017-03-16 This electronic version has been made available under a Creative Commons BY NC ND open access license Mass vaccination campaigns are political projects that presume to protect individuals communities and societies Like other pervasive expressions of state power taxing policing conscripting mass vaccination arouses anxiety in some people but sentiments of civic duty and shared solidarity in others This collection of essays gives a comparative overview of vaccination at different times in widely different places and under different types of political regime Core themes in the chapters include immunisation as an element of state formation citizens articulation of seeing or not seeing their needs incorporated into public health practice allegations that donors of development aid have too much influence on third world health policies and an ideological shift that regards vaccines more as profitable commodities than as essential tools of public health

**Empires of Panic** Robert Peckham, 2015-01-01 Empires of Panic is the first book to explore how panics have been historically produced defined and managed across different colonial imperial and post imperial settings from early nineteenth century East Asia to twenty first century America Contributors consider panic in relation to colonial anxieties rumors indigenous resistance and crises particularly in relation to epidemic disease How did Western government agencies policymakers planners and other authorities understand deal with and neutralize panics What role did evolving technologies of communication play in the amplification of local panics into global events Engaging with these questions the book challenges conventional histories to show how intensifying processes of intelligence gathering did not consolidate empire but rather served to produce critical uncertainties the uneven terrain of imperial panic Robert Peckham is associate professor in the Department of History and co director of the Centre for the Humanities and Medicine at the University of Hong Kong Charting the relays of rumor and knowledge that stoke colonial fears of disease disorder and disaster Empires of Panic offers timely and cautionary insight into how viscerally epidemics inflame imperial anxieties and how words and their communication over new technologies accelerate panic rally government intervention and unsettle and entrench the exercise of global power Relevant a century ago and even more so today Nayan Shah University of Southern California author of Contagious Divides Epidemics and Race in San Francisco's Chinatown Empires generated anxiety as much as ambition This fine study focuses on anxieties generated by disease It is the first book of its kind to track shifting forms of panic through different geopolitical regimes and imperial formations over the course of two centuries Working across medical and imperial histories it is a major contribution to both Andrew S Thompson University of Exeter author of Empire and Globalisation Networks of People Goods and Capital in the British World c 1850 1914 with Gary B Magee

**Public Health Law** Lawrence O. Gostin, 2008-09-02 In this completely revised second edition Gostin analyzes the major health threats of our times from emerging infectious diseases e g SARS and pandemic influenza to bioterrorism e g the deliberate release of anthrax and smallpox to chronic diseases caused by overweight and obesity By analyzing transnational law Gostin shows how public health law transcends national borders in areas ranging from infectious

disease and tobacco use to world trade and access to essential medicines Public Health Law creates an intellectual framework for the modern field of public health and supports that framework with illustrations of the intellectual scientific political and ethical issues involved In proposing innovative solutions for the future of the public s health Gostin s essential study provides a blueprint for coming public and political debates about this vital and burgeoning field BOOK JACKET

**Textbook of Pharmacoepidemiology** Brian L. Strom, Stephen E. Kimmel, Sean Hennessy, 2013-07-08 Textbook of Pharmacoepidemiology Second Edition provides an introduction to pharmacoepidemiology and the data sources methods and applications used in clinical research the pharmaceutical industry and regulatory agencies Drawing upon the fifth edition of the authoritative reference Pharmacoepidemiology this new edition covers the key learning requirements of the discipline The textbook provides an introduction to pharmacoepidemiology pharmacoepidemiological data sources special issues in methodology special applications and future developments in the field Updated learning features such as case studies key points and Suggested Further Reading are included throughout the text Textbook of Pharmacoepidemiology is a practical educational resource for upper level undergraduates graduate students post doctoral fellows in schools of public health pharmacy and medicine and for everyone learning and working in pharmacoepidemiology

**Essentials of Public Health Preparedness and Emergency Management** Katz, 2018-03-02 The public health community plays a vital role in identifying responding to containing and recovering from emergencies Essentials of Public Health Preparedness will introduce your students to the important and timely field of public health preparedness The book presupposes no previous exposure to the concepts yet provides enough depth for students who may have advanced knowledge The chapters are structured in five parts Background of the Field Defining the Problem Infrastructure Solving Problems and Practical Applications

**Driven by Fear** Guenter B Risse, 2015-12-30 From the late nineteenth century until the 1920s authorities required San Francisco s Pesthouse to segregate the diseased from the rest of the city Although the Pesthouse stood out of sight and largely out of mind it existed at a vital nexus of civic life where issues of medicine race class environment morality and citizenship entwined and played out Guenter B Risse places this forgotten institution within an emotional climate dominated by widespread public dread and disgust In Driven by Fear he analyzes the unique form of stigma generated by San Franciscans Emotional states like xenophobia and racism played a part Yet the phenomenon also included competing medical paradigms and unique economic needs that encouraged authorities to protect the city s reputation as a haven of health restoration As Risse argues public health history requires an understanding of irrational as well as rational motives To that end he delves into the spectrum of emotions that drove extreme measures like segregation and isolation and fed psychological ideological and pragmatic urges to scapegoat and stereotype victims particularly Chinese victims of smallpox leprosy plague and syphilis Filling a significant gap in contemporary scholarship Driven by Fear looks at the past to offer critical lessons for our age of bioterror threats and emerging infectious diseases

*Vietnamese Traditional Medicine* C. Michele Thompson, 2015-06-30

While reshaping our understanding of the history and development of traditional Vietnamese medicine in the 19th and 20th centuries Michele Thompson's new book reaches across disciplines to open important perspectives in Vietnamese colonial and social history as well as our understanding of the Vietnamese language and writing systems Traditional Vietnamese medicine is generally understood as an import from the Chinese tradition Thompson's detailed historical and linguistic research restores agency and voice to practitioners of Vietnamese medicine showing how the adoption of Chinese and then Western ideas of medicine in the 19th and 20th centuries relied on indigenous Vietnamese concepts of health and the human body She mines medical manuscripts in Chinese and in Nom vernacular Vietnamese to capture various aspects of the historical interaction between Chinese and Vietnamese thought She presents a detailed analysis of the Vietnamese response to a Chinese medical technique for preventing smallpox and to the medical concepts associated with it looking at Vietnamese healers from a variety of social classes Thompson's account brings together colorful historical vignettes contemporary observations and interviews and textual analysis It stands out as a demonstration of the power of the history of medicine to illuminate adjacent fields of enquiry It will be of interest to historians of medicine globally and in East Asia as well as to students of Vietnam and its complex process of modernization

Emerging Infectious Diseases, 2015-07 Law and Class in America Paul Carrington, Trina Jones, 2006-06 In Law and Class in America a group of leading legal scholars reflect on the state of the law from the end of the Cold War to the present grappling with a central question posed to them by Paul D Carrington and Trina Jones have recent legal reforms exacerbated class differences in America In a substantive introduction Carrington and Jones assert that legal changes from the late 20th century onward have been increasingly elitist and unconcerned with the lives of poor people having little access to the legal system Contributors use this position as a springboard to review developments in their own particular fields and to assess whether or not legal decisions and processes have contributed to a widening gap between privileged and unprivileged people in this country From antitrust and bankruptcy to tax and election law the essays in this unique volume invite readers to reflect thoughtfully on socio economic justice in the new century and suggest that a lack of progressive reform in all areas of law may herald a form of undiagnosed class dominance reminiscent of America's Gilded Age Contributors Margaret A Berger M Gregg Bloche David L Callies Paul D Carrington Paul Y K Castle Lance Compa James D Cox Paula A Franzese Marc Galanter Julius G Getman Lawrence O Gostin Joel F Handler Trina Jones Thomas E Kauper Sanford Levinson John Linehan Joseph D McNamara Burt Neuborne Jeffrey O Connell Judith Resnik Richard L Schmalbeck Danielle Sarah Seiden Richard E Speidel Gerald Torres David M Trubek Elizabeth Warren and Lawrence A Zelenak

Public Health Law and Ethics Lawrence O. Gostin, Milbank Memorial Fund, 2010-06-02 Previous edition 1st published in 2002

**Biosecurity Dilemmas** Christian Enemark, 2017 Cover Contents List of Tables Acknowledgments Abbreviations Introduction PART I PROTECT OR PROLIFERATE 1 Biodefense and the Security Dilemma 2 Vertical Proliferation and Threats from Within PART II SECURE OR STIFLE 3 Laboratory Biosecurity 4

Export and Publication Controls PART III REMEDY OR OVERKILL 5 Social Distancing and National Security 6 Border Security and Transnational Contagion PART IV ATTENTION OR NEGLECT 7 The Agenda of Global Health Security 8 Public Health and Biodefense Priorities Conclusion Selected Bibliography Index A B C D E F G H I J K L M N O P Q R S T U V W Z

About the Author [Courageous Leadership in Infectious Diseases and Public Health During Challenging Times](#) Gonzalo Bearman, Priya Nori, 2025-06-05 Since the HIV epidemic the infectious diseases and public health communities faced numerous healthcare crises presented by novel viruses antimicrobial resistant bacteria or vaccine preventable illness that have re emerged Compounding these crises are lost trust in public health and policy healthcare workforce strain and disparities in healthcare outcomes disproportionately impacting marginalized communities In this book we conducted in depth interviews with luminaries whose careers span multiple aspects of infectious diseases and public health which will inform and inspire leaders navigating daily healthcare challenges within their own environment Conversations highlight shared challenges presented by multiple public health emergencies and reiterate themes of effective public communication during crises successful conflict negotiation and making difficult decisions for the greater good Through carefully selected and curated interviews readers will explore an in depth view of the effective leadership skills required to navigate the challenging outlook of modern healthcare These conversations with experts also explore emerging and future crises impacting our healthcare system including the crises of misinformation and climate change no such collection of carefully curated interviews with celebrated leaders in infectious diseases emerging infections and public health currently exists

**American Biodefense** Frank L. Smith III, 2014-09-19 Biological weapons have threatened U S national security since at least World War II Historically however the U S military has neglected research development acquisition and doctrine for biodefense Following September 11 and the anthrax letters of 2001 the United States started spending billions of dollars per year on medical countermeasures and biological detection systems But most of this funding now comes from the Department of Health and Human Services rather than the Department of Defense Why has the U S military neglected biodefense and allowed civilian organizations to take the lead in defending the country against biological attacks In American Biodefense Frank L Smith III addresses this puzzling and largely untold story about science technology and national security Smith argues that organizational frames and stereotypes have caused both military neglect and the rise of civilian biodefense In the armed services influential ideas about kinetic warfare have undermined defense against biological warfare The influence of these ideas on science and technology challenges the conventional wisdom that national security policy is driven by threats or bureaucratic interests Given the ideas at work inside the U S military Smith explains how the lessons learned from biodefense can help solve other important problems that range from radiation weapons to cyber attacks [American Anthrax](#) Jeanne Guillemin, 2024-03-26 From Jeanne Guillemin one of the world s leading experts on anthrax and bioterrorism the definitive account of the anthrax investigation It was the most complex case in FBI history In what became a seven year



investigation that began shortly after 9 11 with America reeling from the terror attacks of al Qaeda virulent anthrax spores sent through the mail killed Bob Stevens a Florida tabloid photo editor His death and days later the discovery in New York and Washington D C of letters filled with anthrax sent shock waves through the nation Federal agencies were blindsided by the attacks which eventually killed five people Taken off guard the FBI struggled to combine on the ground criminal investigation with progress in advanced bioforensic analyses of the letters contents While the criminal eluded justice disinformation swirled around the letters erroneously linking them to Iraq s WMD threat and foreign bioterrorism Without oversight billions were lavished on biomedical defenses against anthrax and other exotic diseases Worst of all faith in federal justice faltered American Anthrax is a gripping tale of terror intrigue madness and cover up

Regulating Risks in the European Union Maria Weimer,Anniek de Ruijter,2017-10-05 A growing body of EU law and regulation is preoccupied with the protection of EU citizens from health and environmental risks Which chemicals are safe and should be allowed on the market How should the EU respond to public health emergencies such as Ebola and other infectious diseases Regulatory responses to these questions confront deep uncertainty limited knowledge and societal contestation In a time where the use of scientific expertise in EU policy making is particularly contested this book offers a timely contribution to both the academic and policy debate on the role of specialised expertise in EU public decision making on risk and technology as well as on its intertwinement with executive power It draws on insights from law governance political sciences and science and technology studies bringing together leading scholars in this field Contributions are drawn together by a shared theoretical perspective namely by their use of co production as an analytical lens to study the intricate interplay between techno scientific expertise and EU executive power By so doing this collection produces highly original insights into the development of the EU administrative state as well as into the role of regulatory science in its construction This book will be useful to scholars practitioners and policy makers working on risk regulation and the role of expertise in public decision making

Essentials of Terror Medicine Shmuel Shapira,Jeffrey Hammond,Leonard Cole,2008-12-05 A new field of medicine has emerged as a result of the global proliferation of terrorism Terror medicine is related to emergency and disaster medicine but focuses on the constellation of medical issues uniquely related to terrorist attacks The field encompasses four broad areas preparedness incident management mechanisms of injuries and responses and psychological consequences In Essentials of Terror Medicine these core concerns are addressed by a distinguished international authorship brought together by the three editors of this volume who themselves are recognized experts in relevant disciplines Shmuel Shapira epidemiology and hospital administration Jeffrey Hammond trauma surgery and emergency response Leonard Cole bioterrorism and public policy Essentials of Terror Medicine provides insightful and practical information for physicians nurses emergency responders and other health professionals who may be called to service during or after a terror incident It is indispensable reading for the medical community of the 21st century in which diligence continued education and careful

preparation for a variety of possible events are a preeminent responsibility

## Whispering the Secrets of Language: An Emotional Quest through **Smallpox Vaccination Program Public Health In An Age Of Terrorism**

In a digitally-driven earth wherever displays reign supreme and immediate communication drowns out the subtleties of language, the profound techniques and psychological nuances hidden within words usually move unheard. However, set within the pages of **Smallpox Vaccination Program Public Health In An Age Of Terrorism** a interesting fictional value pulsing with fresh emotions, lies a fantastic quest waiting to be undertaken. Penned by a skilled wordsmith, this enchanting opus attracts visitors on an introspective trip, gently unraveling the veiled truths and profound affect resonating within the material of each and every word. Within the psychological depths with this poignant evaluation, we will embark upon a sincere exploration of the book is key subjects, dissect its interesting writing type, and yield to the effective resonance it evokes serious within the recesses of readers hearts.

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