

# The Response to September 11: A Disaster Case Study

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## ABSTRACT

**Background:** The response to 9/11 continues into its 14th year. The World Trade Center Health Program (WTCHP), a long-term monitoring and treatment program now funded by the Zadroga Act of 2010, includes >60,000 World Trade Center (WTC) disaster responders and community members ("survivors"). The aim of this review is to identify several elements that have had a critical impact on the evolution of the WTC response and, directly or indirectly, the health of the WTC-exposed population. It further explores post-disaster monitoring efforts, recent scientific findings from the WTCHP, and some implications of this experience for ongoing and future environmental disaster response.

**Findings:** Transparency and responsiveness, site safety and worker training, assessment of acute and chronic exposure, and development of clinical expertise are interconnected elements determining efficacy of disaster response.

**Conclusion:** Even in a relatively well-resourced environment, challenges regarding allocation of appropriate attention to vulnerable populations and integration of treatment response to significant medical and mental health comorbidities remain areas of ongoing programmatic development.

**Key Words:** disaster response, environmental disaster, 9/11, post-disaster health surveillance, World Trade Center

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## INTRODUCTION

The response to 9/11 continues into its 14th year. More than 60,000 World Trade Center (WTC) responders and community members ("survivors") participate in the World Trade Center Health Program (WTCHP), a long-term monitoring and treatment program now funded by the Zadroga Act of 2011. Here we review key aspects of the response to 9/11 that have affected the health of the exposed population, subsequent monitoring efforts,

recent scientific findings from the WTCHP, and some implications of this experience for ongoing or future environmental disaster response.

## THE IMMEDIATE RESPONSE TO THE WTC DISASTER: COORDINATION AND SITE SAFETY

The extremely chaotic conditions at the WTC site challenged the coordination of rescue and recovery efforts there. The New York City Office of Emergency Management (OEM), headquartered at the WTC, lost its entire command center. This was a major blow to the city's overall emergency response. The OEM was the intended coordinator of emergency response among ~150 agencies. OEM employees were forced to evacuate in the early hours of the disaster. Many telephone, power, and computer lines were down. The police had closed off lower Manhattan, making it difficult for officials to get past checkpoints without badges.

These circumstances also complicated the federal government's ability to respond to environmental and safety concerns. The Federal Emergency Management

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# September 11 A Case For The Higher Purpose

**Jason Pierceson, Adriana Piatti-  
Crocker, Shawn Schulenberg**



## **September 11 A Case For The Higher Purpose:**

**Counterterrorism** Ronald Crelinsten, 2013-04-17 Terrorism has emerged as one of the most problematic issues facing national governments and the international community in the 21st century But how is it possible to counter terrorism in a world in which governance is still dominated by the nation state Are we seeing new forms of terrorist activity in the wake of 9 11 Are pre 9 11 approaches still valid How can we combat and control diverse threats of multiple origin Who should be responsible for countering terrorism and in what circumstances In this incisive new book Ronald Crelinsten seeks to provide answers to these pressing questions challenging readers to think beyond disciplinary and jurisdictional boundaries He presents an up to date and comprehensive introduction to the difficulties and obstacles related to countering terrorism in democratic societies The counterterrorism framework that he develops in this book reflects the complex world in which we live The different approaches to counterterrorism provide the organizing theme of the book and help the reader to understand and to appreciate the full range of options available The book includes a host of contemporary examples and further readings compares and contrasts pre and post 9 11 approaches critically evaluates the post 9 11 war on terror moves beyond a purely state centric focus to include non state actors and institutions combines hard and soft power approaches considers prevention preparedness response and recovery Counterterrorism will be an indispensable guide for students researchers practitioners and general readers wanting to broaden their knowledge of the possibilities and limitations of counterterrorism today *September 11* Abhinav Aggarwal, 2003 This Book was written because in todays world most People turn to the wrong advisors They go to a Psychic or Fortune Teller If they would follow their learned Religion as they had grown up with they would not need to go anywhere else but read the Bible look to the Heavens for answers because that is where the thru help is coming from but they also need to believe in God for he is the only one who really can help no matter what As he has proven to me over and over again throughout my whole Life Monika Grunwald Schutz A CBO Study: Recruiting, Retention, and Future Levels of Military Personnel, October 2006 ,2006 **Reports of Cases Argued and Determined in the High Court of Chancery** Great Britain. Court of Chancery, 1827 **Departments of Labor, Health and Human Services, Education, and Related Agencies Appropriations for 2004** United States. Congress. House. Committee on Appropriations. Subcommittee on the Departments of Labor, Health and Human Services, Education, and Related Agencies, 2003 An Introduction to the International Criminal Court William Schabas, 2007-10-18 The International Criminal Court ushers in a new era in the protection of human rights The Court will prosecute genocide crimes against humanity and war crimes when national justice systems are either unwilling or unable to do so themselves This third revised edition considers the initial rulings by the Pre Trial Chambers and the Appeals Chamber and the cases it is prosecuting namely Democratic Republic of Congo northern Uganda Darfur as well as those where it had decided not to proceed such as Iraq The law of the Court up to and including its ruling on a confirmation hearing committing Chalres

Lubanga for trial on child soldiers offences is covered It also addresses the difficulties created by US opposition analysing the ineffectiveness of measures taken by Washington to obstruct the Court and its increasing recognition of the inevitability of the institution

Applied Sport Management Skills, Second Edition (With Web Study Guide) Robert N. Lussier, PhD and David C. Kimball, PhD , America's Report Card John McNally, 2006-07-17 America's Report Card offers a brilliant vision of contemporary American life that is frightening darkly hilarious and tinged with satire John McNally tells the story of two unlucky people who forge an improbable yet possibly life saving connection in a world overshadowed by the Patriot Act and No Child Left Behind a world in which hulking government bureaucracies and vast corporations join forces to numb the populace into apathy with various standardization and surveillance programs But McNally sees hope in the daily experiences of his characters sometimes haphazardly by going about their own very particular lives people circumvent the official program and begin to actively claim lives of freedom and dignity America's Report Card is an arresting and humane portrait of life taking place in the margins outside the stunted imagination of government and media As in his critically acclaimed novel The Book of Ralph McNally dazzles with characters like Jainey O Sullivan a lonely confused purple and green haired sometime truant Jainey cares so little about high school that on her final standardized test she writes an essay heaping scorn on the test administrators even as she asks her faceless reader for help Charlie Wolf leads a fairy tale graduate student life with just enough money and clout to keep him in books vodka a threadbare apartment and a beautiful intellectual girlfriend But the bohemian dream starts to crumble when Charlie takes a job scoring standardized tests and finds himself surrounded by people who are either plodding blindly along or caught up in wild conspiracy theories When Charlie and Jainey stumble upon one another they also stumble upon their own bravery and compassion They try to protect each other from their habitual bad luck and the shadowy threats lurking at the edges of their lives and what ensues doesn't follow any prescribed course The official version of American life today may get the broad strokes and primary colors right but America's Report Card reveals how the government and the media overlook the corners and shadows where our individual realities unfold all too often in chaotic precarious and bewildering ways This wholly original wildly entertaining novel mirrors our part in the dark but frequently redemptive comedy that is life

**Habeas Corpus after 9/11** Jonathan Hafetz, 2011-01-04 2012 American Bar Association Gavel Award Honorable Mention for Books 2012 Scribes Book Silver Medal Award presented by the American Society of Legal Writers The U S detention center at Guantamo Bay has long been synonymous with torture secrecy and the abuse of executive power It has come to epitomize lawlessness and has sparked protracted legal battles and political debate For too long however Guantamo has been viewed in isolation and has overshadowed a larger interconnected global detention system that includes other military prisons such as Bagram Air Base in Afghanistan secret CIA jails and the transfer of prisoners to other countries for torture Guantamo is simply and alarmingly the most visible example of a much larger prison system designed to operate outside the law Habeas Corpus after 9 11 examines the rise of

the U S run global detention system that emerged after 9 11 and the efforts to challenge it through habeas corpus a petition to appear in court to claim unlawful imprisonment Habeas expert and litigator Jonathan Hafetz gives us an insider s view of the detention of enemy combatants and an accessible explanation of the complex forces that keep these systems running In the age of terrorism some argue that habeas corpus is impractical and unwise Hafetz advocates that it remains the single most important check against arbitrary and unlawful detention torture and the abuse of executive power **Top Ten Global Justice Law Review Articles 2008** Amos Guiora,2009 Top Ten Global Justice Law Review Articles 2008 is a thorough and accessible review of the most salient the most controversial and the most illuminating essays on security law in the previous calendar year In this edition Professor Amos Guiora presents the ten most vital and pertinent law review articles from 2008 written by both scholars who have already gained international prominence as experts in global justice as well as emerging voices in the realm of international criminal law and human rights These articles deal with issues of terrorism security law environmental law and the preservation of civil liberties in the post 9 11 world The chosen selections derive not just from the high quality and expertise of the articles authors but equally from the wide diversity of legal issues addressed by those authors Guiora combines the expertise of scholars from both eminent law schools and government agencies to provide a valuable resource for scholars and experts researching this important subject area This annual review provides researchers with more than just an authoritative discussion on the most prominent global justice debates of the day it also educates researchers on new issues that have received far too little attention in the press and in academia These expert scholars and leaders tackle and give voice to issues that range from the psychology of terrorism to the role of oil in the Sudanese genocide to the oppression of women in new Arab democracies to transnational environmental cooperation and beyond Together the vast knowledge and independent viewpoints represented by these ten authors make this volume a valuable resource for individuals new to the realm of global justice and for advanced researchers with a sophisticated understanding of the field Top Ten Global Justice Law Review Articles 2008 serves as a one stop guidebook on how both the U S and the world generally are currently grappling with fundamental principles of social and political life **Reports of Cases Decided in the High Court of Chancery ...** Great Britain. Court of Chancery,1847 Same-sex Marriage in Latin America Jason Pierceson,Adriana Piatti-Crocker,Shawn Schulenberg,2013-01-01 This volume sheds light on regional national and individual level factors that have led to major developments for same sex relationship equality in Latin America and explores institutional political and social barriers for same sex couples in the region It analyzes cross national patterns of same sex relationship policies in Latin America and examines country cases of recent policies for same sex couples in the region **Index of Specifications and Standards** , *Congressional Record* United States. Congress,2003 Federal Register ,2013-07 **Journal of the American Medical Association** American Medical Association,1915 **Computers in Railways X** John J. Allan,J. Allan,C. A. Brebbia,A. F. Rumsey,G. Sciutto,S. Sone,2006 This book updates the use of

computer based techniques promoting their general awareness throughout the business management design manufacture and operation of railways and other advanced passenger freight and transit systems Including papers from the Tenth International Conference on Computer System Design and Operation in the Railway and Other Transit Systems the book will be of interest to railway management consultants railway engineers including signal and control engineers designers of advanced train control systems and computer specialists Themes of interest include Planning Human Factors Computer Techniques Management and languages Decision Support Systems Systems Engineering Electromagnetic Compatibility and Lightning Reliability Availability Maintainability and Safety RAMS Freight Advanced Train Control Train Location CCTV Communications Operations Quality Timetables Traffic Control Global Navigation using Satellite Systems Online Scheduling and Dispatching Dynamics and Wheel Rail Interface Power Supply Traction and Maglev Obstacle Detection and Collision Analysis Railway Security

Teaching Religion and Film Gregory J Watkins,2008-08-22 In a culture increasingly focused on visual media students have learned not only to embrace multimedia presentations in the classroom but to expect them Such expectations are perhaps more prevalent in a field as dynamic and cross disciplinary as religious studies but the practice nevertheless poses some difficult educational issues the use of movies in academic coursework has far outpaced the scholarship on teaching religion and film What does it mean to utilize film in religious studies and what are the best ways to do it In Teaching Religion and Film an interdisciplinary team of scholars thinks about the theoretical and pedagogical concerns involved with the intersection of film and religion in the classroom They examine the use of film to teach specific religious traditions religious theories and perspectives on fundamental human values Some instructors already teach some version of a film and religion course and many have integrated film as an ancillary to achieving central course goals This collection of essays helps them understand the field better and draws the sharp distinction between merely watching movies in the classroom and comprehending film in an informed and critical way

The Power of Full Engagement James E. Loehr,Jim Loehr,Tony Schwartz,2005-01-03 The number of hours in a day is fixed but the quantity and quality of energy available to us is not This fundamental insight has the power to revolutionize the way you live As Jim Loehr and Tony Schwartz demonstrate in their groundbreaking New York Times bestseller managing energy not time is the key to enduring high performance as well as to health happiness and life balance Their Full Engagement Training System is grounded in twenty five years of working with great athletes tennis champ Monica Seles and speed skating gold medalist Dan Jansen to name just two to help them perform more effectively under brutal competitive pressures Now this powerful step by step program will help you to Mobilize four key sources of energy Balance energy expenditure with intermittent energy renewal Expand capacity in the same systematic way that elite athletes do Create highly specific positive energy management rituals The Power of Full Engagement is a highly practical scientifically based approach to managing your energy more skillfully It provides a clear road map to becoming more physically energized emotionally connected mentally focused and spiritually

aligned both on and off the job

**Statistical Bulletin** Metropolitan Life Insurance Company, 1925

## Enjoying the Song of Expression: An Psychological Symphony within **September 11 A Case For The Higher Purpose**

In some sort of eaten by monitors and the ceaseless chatter of instant transmission, the melodic elegance and mental symphony developed by the published term usually fade into the backdrop, eclipsed by the constant sound and disruptions that permeate our lives. However, set within the pages of **September 11 A Case For The Higher Purpose** a stunning literary prize brimming with natural thoughts, lies an immersive symphony waiting to be embraced. Constructed by an elegant musician of language, that charming masterpiece conducts readers on a psychological trip, well unraveling the hidden tunes and profound influence resonating within each cautiously constructed phrase. Within the depths with this poignant review, we will discover the book is key harmonies, analyze its enthralling publishing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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