

## Table of Abbreviations

ACIP	Advisory Committee on Immunization Practices
ACLU	American Civil Liberties Union
ANSI	American National Standards Institute
APHA	American Public Health Association
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASTHO	Association of State and Territorial Health Officials
BARDA	Biomedical Advanced Research and Development Authority
BBIC	Biosafety and Biosecurity International Conference
BCEM	Big City Emergency Managers
BLOSSOMS	Blended Learning Open Source Science or Math Studies
BOMA	Building Owners and Managers Association
bp	Base pairs
BRSS	Biological Research Security System
BWC	Biological Weapons Convention
CBR	Chemical, biological, and radiological
CBRNE	Chemical, biological, radiological, nuclear, and explosives
CDC	US Centers for Disease Control and Prevention
CIDRAP	Center for Infectious Disease Research and Policy
CISSM	Center for International Security Studies at Maryland

## Preparing for Bioterrorism

CSIS	Center for Strategic and International Studies
DHS	US Department of Homeland Security
DIMACS	Discrete Mathematics and Theoretical Computer Science
DOC	US Department of Commerce
DOD	US Department of Defense
DOS	US Department of State
DURC	Dual-use research of concern
EMBO	European Molecular Biology Organization
EPI	Emergency Preparedness Initiative
ERM	Enterprise risk management
FBI	US Federal Bureau of Investigation
FDA	US Food and Drug Administration
FEMA	Federal Emergency Management Agency
GWU	George Washington University
HEPA	High-efficiency particulate air (filter)
HHS	US Department of Health and Human Services
HPP	Hospital Preparedness Program
HVAC	Heating, ventilation, and air-conditioning
IARPA	Intelligence Advanced Research Projects Agency
ICE	International coordination exercise
ICLS	International Council for the Life Sciences
IFRC	International Federation of Red Cross and Red Crescent Societies
IMO	International Maritime Organization
InterCEP	International Center for Enterprise Preparedness
ISDS	International Society for Disease Surveillance
JAMA	<i>Journal of the American Medical Association</i>
JCVI	J. Craig Venter Institute

## Abbreviations

MaHIM	Medical and Health Incident Management
MENA	Middle East and North Africa
MERV	Minimum efficiency reporting value
MIDAS	Models of Infectious Disease Agent Study
MIT	Massachusetts Institute of Technology
MRC	Medical Reserve Corps
MSCC	Medical Surge Capacity and Capability
MSEHPA	Model State Emergency Health Powers Act
NACCHO	National Association of County and City Health Officials
NAS	National Academies of Science
NATO	North Atlantic Treaty Organization
NCDP	National Center for Disaster Preparedness
NFPA	National Fire Protection Association
NGO	Nongovernmental organization
NIH	National Institutes of Health
NOD	National Organization on Disability
NSABB	National Science Advisory Board for Biosecurity
NYAM	New York Academy of Medicine
NYC DHMH	New York City Department of Health and Mental Hygiene
NYPD	New York City Police Department
OEM	Office of Emergency Management
OSCE	Organization for Security and Cooperation in Europe
PERCS	Plan, educate, respond, collaborate, and support
PSA	Public service announcement
RER	Real Estate Roundtable
RODS	Real-Time Outbreak and Disease Surveillance
S&P	Standard and Poor's

## Preparing for Bioterrorism

SEIU	Service Employees International Union
TFAH	Trust for America's Health
UMD	University of Maryland
UN	United Nations
UPMC	University of Pittsburgh Medical Center
USAMRIID	US Army Medical Research Institute of Infectious Diseases
USDA	US Department of Agriculture
USG	United States government
WHO	World Health Organization
WMD	Weapons of mass destruction

## Notes

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# Appendix

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## *Sloan Foundation Biosecurity Grants, 2000-2010*

*(Arranged alphabetically by name of principal investigators)*

### 2000

**D. A. Henderson**, University Distinguished Professor and Director, and  
**Tara O'Toole**, Deputy Director, Johns Hopkins Center for Civilian  
Biodefense Studies, Baltimore, Maryland

### 2001

**Lawrence O. Gostin**, Professor, Georgetown University Law Center,  
Georgetown University, Washington, DC

**Jo L. Husbands**, Director, Committee on International Security and Arms  
Control, National Academy of Sciences, Washington, DC

Preparing for Bioterrorism

**Harold M. Koenig**, Chairman and President, Annapolis Center for  
Science Based Public Policy, Annapolis, Maryland

**Anthony D. Moulton**, Director, Public Health Practice Program Office,  
Centers for Disease Control and Prevention; National Strategy Forum,  
Inc., Chicago, Illinois

**Richard Rotanz**, Deputy Director, Office of Emergency Management,  
City of New York, New York

**Ira S. Rubenstein**, Chair, Center for Economic and Environmental  
Partnership, New York, New York

**John D. Steinbruner**, Director, Center for International and Security  
Studies, School of Public Policy, University of Maryland Foundation,  
Inc., Adelphi, Maryland

2002

**Joseph A. Barbera**, Co director, Institute for Crisis, Disaster and Risk  
Management, George Washington University, Washington, DC

**H. E. Barney Burroughs**, President and CEO, Building Wellness  
Consultancy, Inc., Alpharetta, Georgia

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New York, New York

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Virginia

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**Stewart Desmond**, Deputy Public Advocate for Communications, Fund for the City of New York, New York

**Joshua M. Epstein**, Senior Fellow, Brookings Institution, Washington, DC

**Richard E. Friedman**, President/Chair, National Strategy Forum, Inc., Chicago, Illinois

**Richard J. Hatchett**, Project Director, New York Biotechnology Association, Inc., Stony Brook, New York

**Claret M. Heider**, Vice President, Multihazard Mitigation Council/ Building Seismic Safety Council, National Institute of Building Sciences, Washington, DC

**William D. Hunt**, Professor, School of Electrical and Computer Engineering, Georgia Tech Research Corporation, Atlanta, Georgia

**Barry Kellman**, Professor, College of Law, DePaul University, Chicago, Illinois

**Hal Levin**, President, Indoor Air 2002, Inc., Santa Cruz, California

**Pamela Lippe**, Executive Director, Earth Day New York, Inc., New York, New York

**Kenneth D. Mandl**, Division of Emergency Medicine, Children's Hospital, Boston, Massachusetts

**Donald K. Milton**, Department of Environmental Health, Harvard School of Public Health, Harvard University, Cambridge, Massachusetts

**Michael Moodie**, President, Chemical and Biological Arms Control Institute, Washington, DC

## Preparing for Bioterrorism

**Farzad Mostashari**, President, OutbreakDetect, Inc., New York Academy of Medicine, New York, New York

**Roger A. Pielke, Jr.**, Professor, Department of Environmental Studies, University of Colorado Foundation, Inc., Boulder, Colorado

**Fred S. Roberts**, Director, Center for Discrete Mathematics and Theoretical Computer Science, Rutgers University, New Brunswick, New Jersey

## 2003

**Michael Berkowitz**, Deputy Commissioner of Special Projects, Office of Emergency Management, City of New York, New York

**Steven Brill**, President, America Prepared Campaign, Inc., New York, New York

**Kathleen Crosby**, Senior Vice President, The Advertising Council, Inc., New York, New York

**Jonah J. Czerwinski**, Senior Research Associate, Center for the Study of the Presidency, Washington, DC

**Elizabeth A. Davis**, Director, Emergency Preparedness Initiative, National Organization on Disability, Washington, DC

**Amanda J. Dory**, International Affairs Fellow, Center for Strategic and International Studies, Washington, DC

**Alan R. Fleischman**, Senior Vice President, New York Academy of Medicine, New York, New York

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**Martin J. Weiland**, Manager, Government Outreach, American Society of  
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Georgia

**Patricia S. Wrightson**, Senior Program Officer, National Academy of  
Sciences, Washington, DC

## 2004

**Michael E. Clark**, President, Citizens Committee for New York City, Inc.,  
New York, New York

**Patricia K. Coomber**, Senior Research Fellow, Center for Technology and  
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- Linda G. Nelson**, Director, Thomas Shortman Training School and Safety Fund Local 32B J, New York, New York
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- Ronald K. Noble**, Secretary General, International Criminal Police Organization INTERPOL, Lyon, France
- Lisa Orloff**, Founder and Executive Director, World Cares Center, Inc., New York, New York
- Tara O'Toole**, CEO and Director, Center for Biosecurity of UPMC, Baltimore, Maryland
- Elizabeth Rindskopf Parker**, Dean, McGeorge School of Law, University of the Pacific, Sacramento, California
- Jonathan B. Tucker**, Senior Researcher, Monterey Institute of International Studies, Monterey, California
- Robert J. Ursano**, Chairman, Department of Psychiatry, Uniformed Services University of the Health Sciences, Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc., Rockville, Maryland

## 2005

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**David A. Wilkinson**, Principal, Bellwether Group, Inc., Boston, Massachusetts

## 2006

**Edward L. Baker, Jr.**, Director, North Carolina Institute for Public Health, University of North Carolina, Chapel Hill, North Carolina

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2010

**Clark Kent Ervin**, Director, The Aspen Institute, Washington, DC

**Jo L. Husbands**, Scholar/Senior Project Officer, National Academy of Sciences, Washington, DC

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# Index

## 9

- 9/11, xi, xv, 5, 7, 12, 22, 26, 35, 38–39, 79, 84, 103, 105, 115, 118, 125, 165, 166, 169, 170, 176. *See also* World Trade Center attacks
- 9/11 Commission, 58, 61, 122
- Implementing Recommendations of the 9/11 Commission Act, 116

## A

- Advertising Council, 23–26, 168
- Air Filtration. *See* HVAC systems
- Airlie House Workshop, 65–68
- Al Qaeda, 173
- Albright, Madeleine, 50
- Albright, Parney, 80
- American Bar Association, 102, 113
- American Civil Liberties Union, 108
- American National Standards Institute, 117
- American Public Health Association, 19, 110
- American Society for Microbiology, 85
- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), 131–133, 135
- Analytic Services, Inc., 18

- Andrews Air Force Base, 17
- anthrax, xiii, 2, 11, 15, 16, 30, 43, 46, 47, 48, 55, 57, 106, 135
- letter attacks, xi–xii, xv, 1, 5, 12, 15, 29, 30, 31, 43, 45, 60, 61, 62, 79, 103, 105, 108, 125, 128, 139, 146, 147, 165, 166
- antibiotic resistance, 74, 80
- antiviral agents, 80, 155
- Applied Marine Technology, Inc., 52
- Armed Forces Institute of Pathology, 152
- arms control, 65, 66, 67, 84, 91
- ASIS International, 117–118
- Association of State and Territorial Health Officials (ASTHO), 110
- Atlantic Storm*, 44, 48, 49–52, 53, 54
- Atlas, Ronald, xix, 79, 85
- Aum Shinrikyo attacks, xii, 10, 44, 55–58

## B

- Bacillus anthracis*. *See* anthrax
- bacteriophage, 87
- Baker, Edward, xix, 110
- Barbera, Joseph, xix, 29–32
- Biomedical Advanced Research and Development Authority (BARDA), 40
- Barry, John, xix, 120, 151–154
- Bartlett, John G., xiii

- Berman, Al, xx, 117, 118
- Beslan massacre, 32
- Big City Emergency Managers, Inc., 27–29
- bio-criminalization, 67, 68
- biodefense, 2, 7, 9, 14, 17, 21, 54, 61, 75, 145  
 civilian biodefense, xiii, 2, 5, 12, 13, 15, 16, 22, 46
- biofuels, 88
- biological agents, 4, 15, 43, 63, 66, 81, 97, 128, 134
- Biological Research Security System, 83–86
- biological warfare, xii, xvii, 2, 6, 13, 44, 45, 48, 49, 53, 62, 128, 129–131, 136
- biological weapons, xii–xv, xvii–xix, 3, 4, 6, 9–11, 14, 16, 24, 42, 46, 48, 55–58, 59, 63–65, 66, 67, 73, 74, 78, 96, 130, 136  
 disarmament, 9  
 Iraq, 10, 14  
 reconstruction of viruses, 81, 86, 87  
 Soviet Union, xii, 10, 14, 79
- Biological Weapons Convention (BWC), xviii, 9, 10, 60, 63, 67, 93, 94
- Bio-Response Report Card*, 58–62
- biosafety, 20, 67, 77, 78, 93, 94–96, 97
- Biosafety and Biosecurity International Conference, 95, 96
- biosecurity, xv–xvi, xviii–xix, xxi, 11, 12, 16, 17, 21–22, 55, 67, 89, 93, 94–96, 97, 98, 101, 102, 105, 112, 113, 134, 137, 144–146, 164–174, 176–177  
 sustainable approaches, 1–8
- BioSense system, 139
- biotechnology, xviii, 78, 79, 83, 84, 88, 91, 92, 97  
 stewardship of, 73–98
- Biotechnology Research in an Age of Terrorism*. See Fink Report
- bioterrorism, xii, xiv, xviii, 1–5, 8, 11, 13, 14–17, 40, 79, 82, 101, 102–4, 105, 111, 119, 126, 127, 129, 130, 133, 139, 145, 147, 165, 167, 171, 172  
 building safety, 128–137  
 countering, 42–62, 141–143  
 laws, 63–72, 112–114  
 prevention and response, 69–72
- Bioterrorism Incident Response Guide*, 70
- BioWatch, 142, 171–172
- Bipartisan WMD Terrorism Research Center. See WMD Center
- bird flu. See H5N1 influenza
- Black ICE*, 44, 48, 52–54
- Black ICE II*, 54
- BLOSSOMS Initiative, 156
- Blythe, Bruce, xx, 117
- bombings, xii, 10, 14, 125, 165
- botulinum toxin, 15
- botulism, 55, 57
- Brickman, Harvey, xx, 131–133
- British Standards Institution, 118
- Bromberg, Michal, 158
- Brundtland, Gro Harlem, 52

## Index

- Bruno, Joe, 29
- Buckeridge, David, xx, 140
- Building Owners and Managers Association (BOMA), 133
- buildings
- owners, 4, 130–133, 135, 136, 137, 165
  - safety, 20, 128–137
  - sick building syndrome, 129, 130, 137
- Bush, George W., 34, 40, 171
- Business Executives for National Security (BENS), 61
- Business Source (CIDRAP), 119, 121
- businesses
- business leaders, 4, 119, 121
  - business owners, 3
  - enterprise risk management, 124
  - preparing for emergencies, xix, 17, 115–127
- C**
- Cantigny Conference on State Emergency Public Health Powers and the Bioterrorism Threat, 102–104
- Capital Center for Public Law and Policy, 112
- Cello, Jeronimo, 86
- Center for a New American Security, 56
- Center for Biosecurity (UPMC), xvi, xxi, 13–22, 49, 134, 136
- Center for Civilian Biodefense Studies (JHU), xiii, xxi, 12, 13
- Center for Discrete Mathematics and Theoretical Computer Science, 144–146
- Center for Infectious Disease Research and Policy (CIDRAP), 119–121, 159–163
- Center for International Security Studies at Maryland, 83–86
- Center for Strategic and International Studies, 18, 88
- Center for the Study of Traumatic Stress, 125, 126
- Centers for Disease Control and Prevention, US (CDC), xiii, xv, 6, 20, 30, 45, 100, 102, 105, 110, 134, 139, 155, 158
- chemical weapons, 24, 42, 55–58, 59, 64
- Cheney, Dick, 40
- children, 25, 160, 167
- threat to, 12, 32–34
- Chiron, 150
- Church, George, 87, 90
- civil liberties, 100, 112, 113
- individual rights, 108, 112
- Clinton, Bill, xii, 11, 15
- Columbia University, 33, 150
- Commission on the Prevention of Weapons of Mass Destruction Proliferation and Terrorism (WMD Commission), 59
- Congress, xv, 14, 18, 20, 21, 34, 45, 59, 60, 125, 128. See also policymakers
- House Committee on International Relations, 120

- Council for Excellence in Government, 27–29
- counterterrorism, 42–62, 165, 172
- Crisis Management International, 117
- Crosby, Kathy, xx, 24, 26
- customs operations, 66, 71
- D**
- Dando, Malcolm, xx, 91–94
- Danzig, Richard, xx, 46–47, 55–58
- Dark Winter*, xv, 17–18
- Davis, Elizabeth, xx, 35–37
- de novo synthesis, 87, 89
- Defense Advanced Research Projects Agency (DARPA), 136
- Defense Threat Reduction Agency (DTRA), 136
- Department of Agriculture, US, 45
- Department of Commerce, US, 45
- Department of Defense, US, 6, 22, 45, 47, 136
- Department of Education, US, 33
- Department of Energy, US, 136
- Department of Health and Human Services, US, xv, 6, 14, 15, 22, 31, 37, 45, 47, 81, 89, 107, 120, 136, 141, 159
- Department of Homeland Security, US, 6, 12, 19, 22, 24, 25, 26, 28, 43, 45, 47, 60, 88, 117, 118, 119, 122, 124, 136, 145, 168, 169
- Department of Justice, US, 45
- Department of State, US, 45, 53, 54, 72
- DePaul University, 65, 66
- dirty bombs, 24, 42
- disabled persons, 12, 35–37
- Disaster Recovery Institute International, 117
- diseases, xiii, 18, 44, 50, 51, 54, 73, 96, 109, 127, 156, 157. *See also* individual disease names
- epidemics, xiii, xix, 7, 11, 12, 18, 20, 50, 51, 54, 62, 99, 100, 140, 151, 152, 156, 168
- infectious, xiii, xvii, 2, 4, 11, 13, 16, 20, 46, 48, 62, 74, 86, 100, 106, 113, 127, 138, 139, 145, 156
- naturally occurring, xvii, 1, 2, 46, 95, 139
- pandemic modeling, 155–157
- surveillance of, 17, 60, 138–147
- Distribute Project, 140
- DNA, 86, 88, 89, 90, 130
- dual-use research, 74, 76, 77, 91–94, 98, 112
- of concern, 77, 81, 82, 92, 98
- oversight of, 82, 83–86
- E**
- Eliasson, Jan, 51
- emergency management and response agencies, 32
- emergency managers, 12, 27–29
- Emergency Preparedness Initiative, 35–37

## Index

- Endo, Seiichi, 57
- Endy, Drew, 88
- Environmental Protection Agency, US, 45, 134, 136
- EPI Global, 37
- epidemiology, xv, 18, 51, 144–146
- Epstein, Gerald, 88
- Espino, Jeremy, 146
- European Commission, 49
- European Molecular Biology Organization, 88
- F**
- Falkenrath, Richard, xx, 172
- families
  - emergency plans, 25, 170
  - preventing flu transmission, 157–159
- Federal Bureau of Investigation, US, 6, 43, 60, 72, 169
- Federal Emergency Management Agency, US, 18, 19, 27, 29
- Fink Report, 75, 78–82, 92
- Fink, Gerald R., 79
- first responders, xii, xiv, 13, 24, 31, 34, 35
- Fishman, Mike, 174
- Food and Drug Administration, US, 6, 22, 24, 45
- food security, 24, 95
- foreign policy
  - ramifications of bioterrorism on, 48–54
- Forum for Big City Emergency Managers, 27–29
- foundations, role of, 178
- Fox, Carol, 117
- Franz, David, xx, 46, 47
- Friedman, Robert, xx, 88–89
- G**
- Garfinkel, Michele, xx, 88
- Garwin, Richard, 129, 150
- GenBank, 89
- genes, 74, 76, 88
  - genetic engineering, xviii, 10, 57
  - genetic sequences, 76, 87, 89
  - of extinct animals, 87
  - synthesis of, 76, 86–90
  - synthetic genomics, 96
- George Washington University, 29–32
- Georgetown University, 101, 104, 105
- German Marshall Fund, 49
- Global Conference on Preventing Bioterrorism, 69
- Global Security Institute, 66
- Gomory, Ralph E., xiv, xviii, xix, 2–5, 8, 16–17, 39, 129, 130–131, 137, 165, 175
- Good Samaritan organizations, 109–111
- Gostin, Larry, xx, 101, 104, 105, 107, 108
- Gotbaum, Betsy, 167

Graham, Bob, 59, 61

grants, xix, 4, 7, 12, 16, 17, 20, 33, 36, 39,  
78, 94, 101, 102, 109, 122, 139, 141–143,  
164, 165, 172

Green, Manfred S., 158

Ground Zero, 38

## H

H1N1, 20, 121, 151

2009 pandemic, 159–163

H5N1 influenza, 20, 76–77, 81, 82, 86, 121,  
148–150, 155

Harvard University, 87, 90

Hatchett, Richard, xx, 38–41

health care, xiii–xiv, 4, 6, 10, 12–15, 17, 18,  
20, 21, 29–32, 34, 37–41, 43, 44, 48, 50,  
52, 59, 61, 62, 70, 75, 100, 104, 109, 120,  
127, 130, 134, 139, 143, 145

Healthcare Reform Act, 140

Henderson, D. A., xi–xvi, xx, 13, 14, 16,  
17, 22, 51, 175

HIV, 106

Hospital Preparedness Program, US, 31,  
32

hospitals, xv, 6, 11, 12, 18, 29–32, 39, 43,  
99, 104, 129, 131, 137, 146, 147, 172

Human Genome Project, 10

Husbands, Jo L., xx, 79, 80, 81

HVAC systems, 4, 5, 128–133, 135, 137, 165

## I

Immune Building Program, 136

Infectious Diseases Society of America,  
xiii–xiv, 14

influenza, xv, xvii, 5, 87, 106, 119–121, 140,  
141, 147, 148–163. *See also* pandemic flu  
prevention in families, 157–159

Information Management Services, Inc.,  
141

infrastructure, 28, 68, 115

Inglesby, Tom, xx, 14, 136, 175–178

Institute for Crisis, Disaster, and Risk  
Management, 18, 29

Institute of Medicine, 107

insurance, 122, 123

intelligence, 14, 34, 59, 60, 145

Intelligence Advanced Research Projects  
Agency (IARPA), 22

International Center for Enterprise  
Preparedness, 117, 118, 122–125, 166

International Council for the Life  
Sciences, 78, 94–96

International Human Rights Law  
Institute, 66

International Institute for Strategic  
Sciences, 94

International Maritime Organizations, 53

International Society for Disease  
Surveillance, 139, 140

INTERPOL, 53, 65, 66, 68, 69–72

Iraq, 10, 32

## Index

Ivins, Bruce, 60

## J

J. Craig Venter Institute, 87, 88

Jacobs, Leslie Gielow, xx, 112–114

Jennings, Lynn, xx, 28, 29

Johns Hopkins University, xiii, xvi, xxi,  
12, 13, 21, 49, 105, 142

*Journal of National Security Law and  
Policy*, 113

*Journal of the American Medical  
Association*, 15

## K

Kellman, Barry, xx, 65–68

Kelly, Raymond, xx, 173

Kelso, J. Clark, 112

Khan, Abdul Qadeer, 64

Kidder, Lynne, xx, 61–62

Kids in Disasters Wellbeing, Safety, and  
Health Act, 34

Koppel, Ted, 51, 120

Kulldorff, Martin, 141

## L

Larsen, Randy, xx, 61–62

Larson, Richard, xx, 155–157

law enforcement, xii, 3, 4, 5, 39, 43, 44,  
57, 63–72, 132, 155, 165, 169, 170, 173,  
174. *See also* INTERPOL

Lawlor, Major General Bruce, 26

laws, 8, 84, 93, 122

“affirmative defense,” 123

bioterrorism, 63–72, 112–114

criminal, 65–68

liability protection for Good Samari-  
tans, 109–111

public health, 99–114

Leavitt, Michael, 120

Levin, Simon, 145

Libling, Adi, 158

## M

MacArthur Foundation, 67

Macintyre, Anthony G., 31

Madrid train attack, 125

MaHIM system, 29–32

Mary Ann Liebert, Inc., 21

mass casualties, 11, 47, 60, 129

response, 29–32

mass warning systems, 28

Massachusetts Institute of Technology  
(MIT), 79, 88, 155

mathematics, 39, 144–146, 155, 156

Matsumoto, Chizuo, 55

Matthews, Gene, xx, 100–104, 110

McGeorge School of Law, 112–114

Medical Reserve Corps, 12, 37–41, 166

medical volunteers, 12, 37–41

Meselson, Matthew, 129

- Middle East and North Africa (MENA), 94, 95  
 military, 2, 9, 10, 14, 53, 153  
 Model State Emergency Health Powers Act, 104–108  
 Models of Infectious Disease Agent Study, 155  
 monkeypox, 71  
 Morse, Stephen, 150  
 Mostashari, Farzad, xx, 140–143  
 mousepox virus, 74–75, 76
- N**
- Napolitano, Janet, 119  
 National Academy of Sciences, 47, 75, 78, 79, 90  
 National Association of County and City Health Officials, 110  
 National Cancer Institute, 141  
 National Center for Disaster Preparedness, 32–34  
 National Commission on Children and Disasters, 34  
 National Commission on Terrorist Attacks Upon the United States, 58  
 National Fire Protection Association, 117, 118  
 National Health Security Strategy, 20  
 National Institute of Standards and Technology, 134  
 National Institutes of Health, xiii, 6, 45, 89, 155  
 National Library of Medicine, 146  
 National Organization on Disability, 35–37  
 National Public Radio, 51  
 National Research Council, xxi, 80  
 National Science Advisory Board for Biosecurity (NSABB), 76, 81, 85, 89, 98  
 National Security Council, 92  
 National Strategy Forum, 102  
 National Symposium on Medical and Public Health Response to Bioterrorism, 14  
 National War College, 61  
 natural disasters, xv, 26, 27, 37, 115, 116, 127, 168, 171  
 New York Academy of Medicine, 139, 141–143  
 New York City, 27, 28, 29, 38–40, 48, 125, 131, 132, 139, 164–174  
   Department of Health and Mental Hygiene, 139, 140, 141, 142, 166, 170  
   Office of Emergency Management, 39, 168, 170, 173  
   Ready New York campaign, 166–168  
 New York Fire Department, 39, 173  
 New York Police Department, 33, 39, 132, 165, 171–172, 173  
 New York Safe and Secure training program, 173–174  
 New York University, 122–125, 166  
 Nixon, Richard, xviii  
 Noble, Ron, xx, 68, 69–71, 72

## Index

- North Atlantic Treaty Organization (NATO), 53
- North Carolina Institute for Public Health, 109, 110
- Nuclear Threat Initiative, 49, 52
- nuclear threats and security, 10, 20, 24, 42, 46, 59, 60, 64, 71, 74, 90
- Nunn, Sam, xv, 18
- O**
- O'Toole, Tara, 14, 22
- Obama, Barack, 12
- Office of Public Health Preparedness, US, 22
- Office of Technology Assessment, 10
- Office of the Surgeon General, 37
- Oklahoma City bombing, 10, 14, 125
- Oklahoma National Memorial Institute for the Prevention of Terrorism, 18
- Olsiewski, Paula, xviii, 3–4, 5, 39–40, 85, 101–102, 117, 132, 150, 165
- Organization for Security and Cooperation in Europe, 53
- Orloff, Lisa, xx, 169, 170
- Osterholm, Michael, xx, 119–121, 161–163
- Ostfield, Marc, 54
- P**
- pandemic flu, 4, 17, 20, 76, 112, 119–121, 168. *See also* influenza
- 1918 outbreak, 76, 81, 149, 150–154, 160
- Parker, Elizabeth Rindskopf, 112
- pathogens, xvii, 5, 59, 62, 64, 66, 67, 73, 74, 76, 78, 80, 83, 85, 87, 89, 112, 129–131, 144, 171, 172
- mail-order, 86–90
- Paul, Aniko V., 86
- Pennsylvania State University, 87
- Pentagon, xi
- attacks, 125
- PERCS program, 170
- pharmacies, 139, 142, 147
- plague, 15, 54, 71
- police. *See* law enforcement
- policymakers, 5, 17, 19–21, 33, 74, 78, 87, 91–93, 95, 103–104, 106, 113, 116. *See also* Congress
- polio, 76, 86, 87, 88, 99, 100, 101, 157
- post-traumatic stress disorder, 34
- preparedness, xv, xvi, xviii–xix, xx, 1–8, 58–62, 97, 98, 102, 104, 106, 108, 109–111, 130, 148–163
- businesses, 115–127
- children, 32–34
- civilians, 9–41
- disabled persons, 35–37
- human continuity, 125–127
- medical volunteers, 12, 37–41
- New York City, 164–174
- Princeton University, 145
- PS-Prep program, 118, 122, 124

- public health, xi–xvi, xix, 3, 4, 5, 7, 11–15, 17–22, 29–32, 33, 34, 40, 43, 44, 52, 54, 59, 71, 77, 86, 96, 97, 100, 133, 134, 138–140, 142–143, 144, 145, 148, 151, 155, 157, 160, 161, 163, 172
- emergencies, 31, 106–108, 109
- law, 99–114
- state emergency powers, 102–108
- Public Health Security and Bioterrorism Preparedness and Response Act, 107, 139
- public panic, 11, 19
- fear of, 6, 41, 166, 167
- public policy, 8, 96, 134
- Q**
- quarantines, 100, 102, 104, 106, 107, 113, 150, 152, 153
- R**
- radiation, 24, 42, 71, 168
- Raisch, Bill, xx, 117, 122, 124
- Rappert, Brian, xx, 91–94
- READY campaign, 12, 23–26
- Real Estate Roundtable, 136
- Real-Time Outbreak and Disease Surveillance Laboratory, 142, 146–147
- Red Crescent Societies (IFRC), 53
- Red Cross, 36, 66, 109, 110, 170
- International Federation of, 53
- Redlener, Irwin, xx, 33, 34
- reload, 46
- ricin, 72
- Ridge, Tom, 24, 26
- Risk and Insurance Management Society, Inc., 117
- Roberts, Fred S., xx, 144, 145
- Rutgers University, 144
- S**
- salmonella
- salad bar attack, 43
- Sarbanes-Oxley disclosures, 121
- sarin gas, 55, 56
- SARS, xv, 20, 112
- SaTScan program, 141–143, 166
- Schengen Agreement, 50
- Schmidt, Don, xx, 117, 118
- Schoch-Spana, Monica, 14, 19
- science
- biosecurity and, 144–146
- dual-use research, 83–86, 91–94
- genetics. *See* genes
- indoor ecology, 130
- life sciences, 94–96, 96–98
- preventing misuse of, 71, 78–82
- scientists, xvii, xviii, 3, 4, 5, 10, 14, 17, 21, 22, 70, 71, 76, 77–82, 83–86, 90, 95, 98, 144–146
- deliberative seminars for, 91–94
- Service Employees International Union, 173, 174

## Index

- Shalala, Donna, 14
- shigella, 95
- Siegel, Marc H., 117
- Sloan, Alfred P., Jr., 164
- smallpox, xii, xiii, xv, xvii, 2, 11, 15, 17, 18, 49–51, 53, 74–76, 83, 87, 106, 112  
 eradication program, 13, 51
- Soviet Union, xii, xvii, 10
- Stafford Act, 111
- Standard & Poor's, 124
- Steinbruner, John, xx, 83–86
- stem cells, 10
- Stern, Mitchell, xx, 71–72
- Stevens, Robert, 29
- subway systems, xii, 9, 125, 142  
 attacks, 10, 55
- syndromic surveillance, 138–143, 146, 147, 166  
 software, 141–43
- T**
- Talent, Jim, 59, 61
- Taylor, Terry, xx, 95
- Tel Aviv University, 158
- terrorism, xv, xviii, xix, 2, 10, 12, 14, 27, 44, 46, 59, 74, 77, 132, 134  
 children as targets, 32–34  
 preparing for, 23–26, 115–127, 164–174
- Thompson, Tommy, 120
- Tishman, John L., 131
- toxins, 81, 106
- Transatlantic Biosecurity Network, 49
- Trust for America's Health (TFAH), 110, 111
- Tsui, “Rich” Fu-Chiang, 146
- tuberculosis, 100
- Tufts Health Care Institute, 139
- Tulane University, 152
- tularemia, 15
- Turning Point Model State Public Health Act, 105, 107
- U**
- UN Department for Disarmament Affairs, 53
- UN General Assembly, 51
- UN Security Council, 64, 67  
 UNSCR 1540, 64, 65, 67
- University of Bradford, 91, 92
- University of Connecticut, 141
- University of Maryland, 75
- University of Minnesota, 161
- University of Pittsburgh, xvi, 17, 142
- UPMC, 13, 17
- Ursano, Robert J., xx, 125–27
- US Advisory Committee on Immunization Practices, 162

- US Army Medical Research Institute of Infectious Diseases (USAMRIID), xxi, 46
- US Conference of Mayors, 19
- US General Services Administration, 134
- US government, xii, xv, xviii, xx, 1, 2, 7–8, 11–12, 13, 14, 16, 18, 31, 76, 77, 81, 82, 89, 90, 108, 111, 155, 159, 166, 167  
countering bioterrorism, 42–54, 58–62
- US Postal Service, 125, 134
- US Secret Service, 169
- V**
- vaccines, xvii–xviii, 3, 4, 16, 18, 40, 50, 51, 55–57, 74, 75, 80, 88, 99, 100, 106, 113, 144, 145, 154, 155, 148–158, 159–163
- Venter, J. Craig, 87
- viral hemorrhagic fevers, 15
- W**
- Wagner, Michael, xx, 146, 147
- Washington, DC, xi, 20, 27, 28, 29, 40, 66, 107, 110, 125
- water security, 24, 52, 95
- weapons of mass destruction, 42, 58–62  
Senate Caucus on WMD Terrorism, 20  
WMD Center, 45, 58–62  
WMD Commission, 59, 61
- West Nile virus, 141
- White House National Security Council, 17
- White House Office of Homeland Security, 23
- White House Office of Science and Technology Policy, 80
- Wimmer, Eckard, 86, 87
- Winfrey, Oprah, 120
- workers, building and service, 173–174
- Working Group on Civilian Biodefense, 15
- Working Group on Community Engagement in Public Health Emergency Planning, 19
- World at Risk, 59, 60
- World Cares Center, 169–171
- World Health Assembly, 96  
WHA55.16, 96–97
- World Health Organization (WHO), 13, 20, 49, 51, 52, 53, 77, 83, 96–98, 107, 149, 160
- World Trade Center attacks, xii, 10, 14, 38, 125, 165. *See also* 9/11
- Wye River Workshop, 45–47
- X**
- Xavier University, 152

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