



# the sunshine project

## Key: High Containment Labs and Other Facilities of the US Biodefense Program

This map shows existing biosafety level three and four facilities used in US biodefense research, as well as planned biodefense labs. It also shows important aerosol facilities and open air testing locations used in biodefense. BSL-3/4 facilities not known to be heavily dedicated to biodefense are not indicated here.

### Operational BSL-4 Facilities

USAMRIID Fort Detrick, Frederick, Maryland  
DCLS "Biotech Six", Richmond, Virginia  
Centers for Disease Control, Atlanta, Georgia (x2)  
Univ. of Texas Medical Branch, Galveston  
Southwest Fdtn for Biomed. Res., San Antonio, TX

### Planned / Under Construction BSL-4 Facilities

Boston University, Boston, Massachusetts  
NIH Integrated Res. Fac., Frederick, Maryland  
DHS NBACC (Phase 1), Frederick, Maryland  
USAMRIID (Phase 1), Frederick, Maryland  
USDA Planned Facility, Frederick, Maryland  
Univ. of Texas Medical Branch, Galveston  
Rocky Mountain Labs, Hamilton, Montana

### Operational BSL-3 Facilities

Harvard University, Cambridge, MA  
Cornell University, Ithaca, New York  
DHS / USDA Plum Island, New York  
CALSPAN-UB, Buffalo, New York  
SUNY, Stony Brook, New York  
PHRI, Newark, New Jersey  
Wadsworth Center, Albany, New York  
University of Pennsylvania, Philadelphia  
Thomas Jefferson University, Philadelphia  
University of Pittsburgh, Pittsburgh  
Armed Forces Inst. of Pathology, Washington, DC  
Naval Medical Research Ctr., Silver Spring, Maryland  
University of Maryland CARB, Rockville  
US Army SBCCOMs, Aberdeen, Maryland  
University of Maryland, Baltimore  
Southern Research Institute, Frederick, Maryland  
Versar, Gaithersburg, Maryland  
The Pentagon, Northern Virginia  
American Type Culture Collection, Manassas, VA  
George Mason University, Manassas, Virginia  
Naval Surface Weapons Center, Dahlgren, VA  
Commonwealth Biotechnologies, Richmond, VA  
Virginia Commonwealth University, Richmond  
University of Kentucky, Lexington  
Oak Ridge National Laboratory, Tennessee  
Wake Forest University, Winston-Salem, NC  
Emory University, Atlanta, Georgia  
USDA FSIS / MOSPL, Athens, Georgia  
Midwest Research Institute, Palm Bay, Florida  
University of Miami, Florida  
US EPA, Cincinnati, Ohio  
Battelle Memorial Inst., West Jefferson, Ohio  
IITRI, Chicago, Illinois  
University of Wisconsin-Madison  
St. Louis University, St. Louis, Missouri  
Midwest Research Inst., Kansas City, Missouri  
University of Nebraska, Lincoln  
Southern Research Inst., Birmingham, Alabama  
Louisiana State University, Baton Rouge  
University of Texas Health Science Center, Houston  
University of Texas Southwestern, Dallas  
University of Texas Health Science Center, San Antonio  
Lackland Air Force Base, San Antonio, TX  
Texas Technological University, Lubbock  
Texas A&M University, College Station  
Oklahoma State University, Stillwater  
Colorado State University, Ft. Collins, Colorado  
Centers for Disease Control, Ft. Collins, Colorado  
Los Alamos National Lab, Los Alamos, New Mexico  
Lovelace Institute, Albuquerque, New Mexico  
University of New Mexico, Albuquerque  
US Army Dugway Proving Ground, Utah  
Northern Arizona University, Flagstaff  
University of California, Irvine  
University of California, Los Angeles  
San Diego State University, California  
Scripps Research Inst., La Jolla, California  
Lawrence Livermore Lab, Livermore, California  
University of Washington, Seattle

### (Major) Planned / Under Construction BSL-3 Facilities

Tufts University, Grafton, Massachusetts  
UMD of New Jersey, Newark  
University of Pittsburgh, Pennsylvania  
University of Maryland, Baltimore  
George Mason University, Fairfax, Virginia  
University of Louisville, Kentucky  
Duke University, Durham, North Carolina  
Medical University Of South Carolina, Charleston  
University of Georgia, Athens  
Scripps Institute, Palm Beach County, Florida  
University of Alabama at Birmingham  
University of Tennessee at Memphis  
Tulane Primate Center, Covington, Louisiana  
University of Missouri, Columbia  
University of Iowa, Iowa City (RCE planning)  
USDA / Iowa State University, Ames, IA  
Argonne National Lab, Argonne, Illinois  
Agricultural Biosecurity Ctr., Manhattan, Kansas  
Univ. of Minnesota, Minneapolis (RCE planning)  
University of Texas at El Paso  
US Army Dugway Proving Ground, Utah  
Centers for Disease Control, Ft. Collins, Colorado  
Colorado State University, Fort Collins  
Pacific Northwest National Lab, Richland, Washington  
University of Hawaii, Manoa

### Bioweapons Agent Production Facilities

US Army Dugway Proving Ground, Utah

### Biodefense Aerosol Facilities

CALSPAN-UB, Buffalo, New York  
US Army Aberdeen Proving Ground, MD  
George Mason University, Manassas, VA  
Midwest Research Institute, Kansas City, MO  
Lovelace Institute, Albuquerque, NM  
US Army Dugway Proving Ground, Utah

### Open-Air Testing Facilities

US Army Dugway Proving Ground, Utah  
Nevada Test Site (proposed)  
White Sands Missile Range, NM (probable)

### Classified or Secretive Research

US Army Aberdeen Proving Ground, MD  
USAMRIID Fort Detrick, Frederick, MD  
Versar, Gaithersburg, MD  
Commonwealth Biotechnologies, Richmond, VA  
Southern Research Institute, Birmingham, AL  
Battelle Institute, Columbus /W. Jefferson, OH  
Southwest Fdtn for Biomed. Res., San Antonio, TX  
Texas Technological University, Lubbock  
DTRA et. al., Kirtland / Albuquerque, NM  
US Army Dugway Proving Ground, UT  
DOE Nevada Test Site

### Notable (Known) Recent US Accidents and Releases

Lab-acquired Tularemia (3x), Boston Univ, MA (2004)  
Plague-infected mice "lost", UMDNJ, Newark, NJ (2005)  
Lab-acquired E. coli O157:H7, USDA, Wyndmoor, PA (2002)  
Anthrax in letters from Ft. Detrick (probable), MD (2001)  
Anthrax-contaminated offices, Ft. Detrick, MD (2002)  
Ebola needle stick, Ft. Detrick, MD (2004)  
Lab-acquired E. coli O157:H7, USDA, Beltsville, MD (2003)  
Live anthrax shipped as "dead", SRI, Frederick, MD (2004)  
H2N2 flu in test kits, Meridian Biosci., Cincinnati, OH (2005)  
Thomas Butler Case, Texas Tech Univ., Lubbock (2003)  
Q Fever exposure, Rocky Mtn. Labs, Hamilton, MT (2005)  
Faulty aerosol chamber infects 3, IDRI, Seattle, WA (2004)  
Live anthrax mishandled, Oakland Children's Hosp, CA (2004)

### Wants to Construct a BSL-4 Lab (not indicated on map)

Wadsworth Center, Albany, New York  
Oak Ridge National Laboratory, Tennessee  
University of Illinois, Chicago  
Texas Technological University, Lubbock  
University of Nebraska Medical Ctr, Omaha  
University of New Mexico, Albuquerque  
University of California, Davis  
Oregon Health Sciences University, Portland