



INDEX

Index

Page numbers in *italics* refer to figures, maps, and tables

- A**
- AAVLD. *See* American Association of Veterinary Laboratory Diagnosticians.
- Abbreviations, list, 159–162
- AC. *See* Animal Care unit.
- Academy of Veterinary Consultants, 31
- Accelerated Pseudorabies Eradication Program
descriptions, 32
- Acronyms, list, 159–162
- Africa
Pathobiology Laboratory studies of exotic parasites, 62
- Agreement on the Application of Sanitary and Phytosanitary Standards, 146
- Agricultural Research Service
NAHMS studies and, 46
responsibilities, 143
Web site, 155
- Agroterrorism
Office of Homeland Security and, 2
- AHEs. *See* Animal health emergencies,
- AHSM. *See* Animal Health and Surveillance Management.
- AI. *See* Avian influenza.
- Alabama
aquaculture industry, 85
- Alaska
viral hemorrhagic septicemia and, 55
- Alpaca
vesicular disease investigations, 11–12
- AMA. *See* American Medical Association.
- American Association of Swine Practitioners
classic swine fever education materials, 17
- American Association of Veterinary Laboratory Diagnosticians
description and responsibilities, 145
diagnostic laboratory accreditation, 144
NAHLN and, 59
National Animal Health Reporting System and, 56, 146
- American Medical Association, 28
One Health Initiative Task Force and, 108
- American Veterinary Medical Association
description and responsibilities, 145
One Health Initiative Task Force and, 108
Web site, 155
- Ames Modernization Project
description and components, 66–67
- Animal Agriculture Coalition
description and responsibilities, 145
- Animal and Plant Health Inspection Service. *See also* specific branches and subunits.
animal health emergencies and, 1
APHIS Administrator’s Federal Order on viral hemorrhagic septicemia, 55–56
Assessment Working Group, 109
Emergency Management Leadership Council, 2
incident response preparedness collaboration, 109
infectious salmon anemia virus study funding, 54
international activities, 64, 103–107
International Technical and Regulatory Capacity Building Center, 104
mission, 109
NAHLN and, 59
National Animal Health Laboratory Network and, 61
National Animal Health Reporting System and, 56
North American Animal Health Committee and, 103
OIE reference laboratories and collaborating centers and, 104
partnership with France to build a local field force of veterinary epidemiologists, 103
Policy and Program Development, 109
program units and responsibilities, 140
Quadrilateral Animal Health Committee and, 103
reassessment of responsibilities, 45
role in animal health infrastructure, 139, 140
State liaison position creation, 109
“Train the Trainer” program for AI, END, FMD, and CSF, 64

- Animal Care unit
 - responsibilities, 140
- Animal disease control and certification programs
 - chronic wasting disease in cervids, 39–41
 - Johne’s disease in cattle, 41
 - Swine Health Protection Inspection Program, 43
 - trichinae in swine, 42–43
- Animal disease eradication programs
 - brucellosis in cattle and bison, 34–38
 - brucellosis in swine, 33–34
 - pseudorabies in swine, 32–33
 - scrapie in sheep and goats, 25–28
 - tuberculosis in cattle and cervids, 29–32
- Animal Health and Surveillance Management
 - information system, 98
- Animal health contacts in the United States, 149–153
- Animal health diagnostics and veterinary biologics
 - Ames Modernization Project, 66–67
 - Center for Veterinary Biologics, 64–66
 - highlights in diagnostics and laboratory activities for 2007, 62–64
 - National Animal Health Laboratory Network, 60–61
 - National Veterinary Services Laboratories, 59–60
- Animal health emergencies
 - impact of, 1
- Animal health infrastructure in the United States
 - Agreement on the Application of Sanitary and Phytosanitary Standards, 146
 - background, 139
 - components, 139
 - diagnostic laboratories, 144
 - Federal animal health services, 139–144
 - federally accredited veterinarians, 145
 - global animal health infrastructure, 146
 - State animal health authorities, 144
 - United States Animal Health Association and other national associations, 145
- Animal Health Safeguarding Review, 107
- Animal identification
 - devices for, 5
 - National Animal Identification System and, 99
 - scrapie in sheep and goats and, 25
- Animal Industry Act of 1884, 45
- Animal tracing
 - database for, 5
- National Animal Identification System role, 99
- Animal trade
 - background, 89–92
 - bovine spongiform encephalitis and, 90
 - exports of animals and animal products, 89, 90–91
 - imports of animals and animal products, 90, 91–92
 - primary destinations for U.S. animal and animal-product exports, 91
 - primary origins for 2007 U.S. animal and animal-product imports, 93
 - U.S. commitment to animal health and, 89
 - U.S. exports of live animals and germplasm, 94
 - U.S. imports of live animals and germplasm, 95
 - U.S. live-animal and germplasm export value by destination, 94
 - U.S. live-animal and germplasm import value by origin, 95
 - value of U.S. animal and animal-product exports by destination, 90
 - value of U.S. animal and animal-product imports by origin, 93
 - value of U.S. exports of live animals and products, 89
 - value of U.S. imports of live animals and products, 92
- APHIS. *See* Animal and Plant Health Inspection Service.
- Aquaculture Swine, Equine, and Poultry Health Programs
 - responsibilities, 142–143
- Aquaculture industry. *See also* Fish; specific types of fish and shellfish.
 - aquaculture sales: 2005, 84
 - estimated value of aquaculture products, 84
 - geographic distribution, 85
 - infectious salmon anemia virus and, 54–55
 - NAHRS reporting of OIE-reportable diseases, 56
 - National Aquatic Animal Health Plan, 7
 - number of aquaculture farms and sales by sales category, 2005, 85
 - overview of production, 69, 84–85
 - statistics for 2007, 72
 - surface water acres used in aquaculture, 85
 - white spot syndrome virus and, 52–54
- Arbovirus. *See* Equine arbovirus.
- Arkansas
 - aquaculture industry, 85

- ARS. *See* Agricultural Research Service.
- ASEPHP. *See* Aquaculture, Swine, Equine, and Poultry Health Programs.
- Association of Fish and Wildlife Agencies
 chronic wasting disease surveillance funding, 39–40
- Australia
 Quadrilateral Animal Health Committee and, 103
 U.S. imports of animals and animal products and, 90
- Avian influenza
 APHIS “Train the Trainer” program, 64
 commercial industry surveillance program, 14
 EMRS mobile information management applications, 99
 enhanced surveillance efforts, 63
 highly pathogenic avian influenza, 3, 4, 100, 106–107
 live-bird marketing system and, 14–15
 low-pathogenicity avian influenza, 3, 14, 14
 methods of surveillance, 13
 National Avian Influenza Surveillance Plan, 13
 National HPAI Response Plan, 4
 National Poultry Improvement Plan, 14
 populations included in surveillance, 13
 surveillance activities, 8, 13–16
 wild waterfowl surveillance, 15–16
- Avian Influenza Monitoring Plan
 description, 13–14
- AVMA. *See* American Veterinary Medical Association.
- B**
- Beef 2007-08 study
 biological sampling components, 48
 description, 47
 objectives, 48
 participating States, 48
- Beef ‘97 study
 objectives, 47
- Beef cows. *See also* Cattle and calves; Milk cows.
 geographic distribution, 75
 inventory: 2002, 75
 number of all cattle and beef cow operations, United States, 1987-2007, 73
 percent operations and inventory by herd size, 76
 production, 2006 and 2007, 115
 U.S. inventory on January 1 for selected years, 1920-2008, 75
 U.S. inventory on January 1 for selected years, 1988-2008, 75
- Biosecurity
 infectious salmon anemia virus audits, 54
 Small-Enterprise Chicken Study 2007 and, 50
- Biotechnology Regulatory Services
 responsibilities, 140
- Birds
 vesicular disease investigations, 11–12
- Bison
 brucellosis and, 34–38
 Interagency Bison Management Plan for Yellowstone National Park, 37–38
- Bison Quarantine Feasibility Study
 description, 38
- Bluetongue virus
 Diagnostic Virology Laboratory and, 62–63
- BMST. *See* Brucellosis Milk Surveillance Test.
- Bovine babesiosis
 cattle fever ticks and, 19
- Bovine leukosis virus
 NAHMS studies, 46
- Bovine spongiform encephalopathy
 exports of U.S. animals and animal products and, 89, 90–91
 Minimal-Risk Regions Rule, 8
 surveillance activities, 16–17
 surveillance plan, 8
- “Bovine Tuberculosis Eradication: Uniform Methods and Rules,” 29
- Bovine viral diarrhea virus
 Beef 2007-08 study and, 48
- BRS. *See* Biotechnology Regulatory Services
- Brucellosis
 DBL testing, 62
- Brucellosis in cattle and bison
 Bison Quarantine Feasibility Study, 38
 bovine brucellosis surveillance, 37
 brucellosis certification categories and State status—as of Dec. 31, 2007, 34
 Brucellosis Milk Surveillance Test and, 35, 36, 37
 Cooperative State-Federal Brucellosis Eradication Program, 34–35
 eradication program goals, 34–35
 future eradication plans, 38
 Greater Yellowstone Area activities, 37–38

- Market Cattle Identification program and, 35, 36
- number of cattle tested for brucellosis (million head)—2004-07, 35
- public health threat, 35
- Brucellosis in swine
- eradication program, 33–34
 - future eradication plans, 34
 - herd classification, 33
 - Swine Brucellosis Control and Eradication Program, 34
 - transitional swine and, 33–34
- Brucellosis Milk Surveillance Test
- brucellosis in cattle and bison and, 35, 36, 37
- BSE. *See* Bovine spongiform encephalopathy.
- BTV. *See* Bluetongue virus.
- Burros
- number of, 84
 - production in the United States, 1997, 1998, and 2002, 121
- Bush, Pres. George W.
- National Veterinary Stockpile and, 3
- “A Business Plan to Advance Animal Disease Traceability,” 5–6
- BVDV. *See* Bovine viral diarrhea virus.
- C**
- California
- tuberculosis in cattle and cervids, 29, 30–31
- Canada
- exports of U.S. animals and animal products and, 89
 - Minimal-Risk Regions Rule for bovine spongiform encephalopathy, 8
 - North American Animal Health Committee and, 103
 - North American FMD Vaccine Bank and, 60
 - Quadrilateral Animal Health Committee and, 103
 - U.S. imports of animals and animal products and, 90, 91–92
 - viral hemorrhagic septicemia and, 55–56
- Canadian Food Inspection Service
- viral hemorrhagic septicemia and, 56
- Caprine Slaughter Prevalence Study
- scrapie in sheep and goats and, 26
- Catfish. *See also* Aquaculture industry.
- monthly processing surveys, 84
 - production in the United States, 2006 and 2007, 122
 - value of production in 2007, 71
- Cattle and calves. *See also* Beef cows; Milk cows
- Beef 2007-08 study, 47–48
 - Beef ‘97 study, 47
 - brucellosis and, 34–38
 - calfhood brucellosis vaccination, 37
 - cattle on feed--inventory: 2002, 76
 - cattle-on-feed production, 2006 and 2007, 116
 - cattle on feed statistics, 76
 - Cow/Calf Health and Productivity Audit, 47
 - definition of a cattle operation, 72
 - epizootic hemorrhagic disease and, 21
 - geographic distribution, 72
 - inventory: 2002, 72
 - Johne’s disease, 41, 46, 47, 62
 - New World screwworm surveillance, 18–19
 - number of all cattle and beef cow operations, United States, 1987-2007, 73
 - percent operations and inventory, by herd size, 73
 - production, 2006 and 2007, 113
 - slaughter plants, 86
 - tuberculosis and, 29–32
 - U.S. cattle on feed at feedlots, 2005-07, 76
 - U.S. commercial slaughter, by month, 2005-07, 76
 - U.S. inventory on January 1 for selected years, 1869-2007, 73
 - value of production, 72
 - vesicular disease investigations, 11–12
- Cattle Fever Tick Eradication Program
- description, 19–20
- Cattle fever ticks
- infestations in FY 2007, 19
 - surveillance activities, 19–20
- CBP. *See* Customs and Border Protection.
- CDC. *See* Centers for Disease Control and Prevention.
- CEAH. *See* Centers for Epidemiology and Animal Health.
- CEI. *See* Center for Emerging Issues.
- Census of Agriculture
- data collection, 69
 - most recent data collection, 69
 - ongoing sample surveys, 69
- Center for Emerging Issues
- description and responsibilities, 143
 - emerging disease assessment, 20–21

- Center for Veterinary Biologics
 biologics highlights for 2007, 65–66
 contact information, 149
 Global Animal Health Conference and, 66
 inspection activities, 65
 Inspection and Compliance unit, 64, 65
 international activities, 66, 104
 ISO certification, 65
 licensing activities, 65
 mission, 65
 Pharmacovigilance Expert Working Group, 66
 Policy, Evaluation and Licensing unit, 64–65
 responsibilities, 64
 strategic diagnostics and vaccines support, 66
 Virus-Serum-Toxin Act and, 59
 Web site, 155
- Centers for Disease Control and Prevention
 Interagency Working Group for the
 Coordination of Zoonotic Disease
 Surveillance and, 107
 progressive inflammatory neuropathy in swine
 slaughter-plant workers and, 22
 Web site, 155
- Centers for Epidemiology and Animal Health
 Center for Emerging Issues, 143
 contact information, 149
 description, 143
 emerging disease assessment, 20
 National Animal Health Monitoring System,
 46–51, 143
 National Surveillance Unit, 49, 56, 100, 143
 Office for International Collaboration and
 Cooperation, 105
 OIE Collaborating Center for Animal Disease
 Surveillance Systems and Risk Analysis
 activities, 104–105
 Pathways Assessment Mapping Tool and, 99
 Swine 2007 Small-Enterprise study and, 49
 Web site, 155
- Certification programs. *See* Animal disease control and
 certification programs.
- Cervids
 chronic wasting disease, 39–41
 epizootic hemorrhagic disease and, 21
 tuberculosis and, 29–32
- CFIA. *See* Canadian Food Inspection Service.
 CFR. *See* U.S. Code of Federal Regulations.
 CHAPA. *See* Cow/Calf Health and Productivity Audit.
 Chickens. *See* Poultry industry.
- China
 exports of U.S. animals and animal products
 and, 89
 U.S. imports of animals and animal products
 and, 90
 white spot syndrome virus and, 52
- Chronic wasting disease
 description, 39
 future certification plans, 41
 herd-certification program, 39
 number of farmed cervid herds with animals
 positive for chronic wasting disease, by State,
 1997-2007, 40
 number of farmed cervids tested for chronic
 wasting disease, FY 1998-2007, 39
 surveillance testing of hunter-killed and
 targeted animals for chronic wasting disease,
 40
 wildlife surveillance, 39–40
- Classical swine fever
 APHIS “Train the Trainer” program, 64
 diagnostic test kit, 65
 FADDL and, 63
 high-risk areas for, 17
 NAHLN and, 63
 surveillance activities, 17–18
 surveillance plan, 8
 Swine 2007 Small-Enterprise study and, 49–50
 Web-based applications for Laboratory
 Submission systems, 99
- Colorado
 tuberculosis in cattle and cervids, 29, 30
- Complement-fixation test
 vesicular stomatitis virus, 63
- Control and certification programs. *See* Animal disease
 control and certification programs.
- “Controlling Wildlife Vectors of Bovine
 Tuberculosis,” 31–32
- “Converging Issues in Veterinary and Public Health,”
 107
- Cooperative State-Federal Brucellosis Eradication
 Program
 description, 34–35
 National Animal Health Laboratory Network
 and, 61
- Cooperative State-Federal Tuberculosis Eradication
 Program
 description, 29
- Cooperative State Research, Education, and Extension
 Service

NAHLN and, 59
responsibilities, 143

Cow/Calf Health and Productivity Audit
description, 47

Crawfish
white spot syndrome virus in Louisiana
crawfish, 52–54

Crayfish. *See* Crawfish.

CSF. *See* Classical swine fever.

CSPS. *See* Caprine Slaughter Prevalence Study.

CSREES. *See* Cooperative State Research, Education,
and Extension Service.

Customs and Border Protection
responsibilities, 144

CVB. *See* Center for Veterinary Biologics.

CWD. *See* Chronic wasting disease.

D

Dairy '96 study
objectives, 46

Dairy 2002 study
goals, 46

Dairy 2007 study
cow mortality by reason, 47
Diagnostic Bacteriology Laboratory testing
support, 62
objectives, 46
percent cow removals by reason, 47
State participation, 46

DBL. *See* Diagnostic Bacteriology Laboratory.

Deer. *See* Cervids.

Denmark
U.S. imports of animals and animal products
and, 90

Deworming
efficacy study, 48

DHS. *See* U.S. Department of Homeland Security.

Diagnostic Bacteriology Laboratory
activities, 59–60
brucellosis testing, 62
Dairy 2007 study testing support, 62
functions, 60
Johne's disease testing support, 62
OIE and, 60
Salmonella serotyping, 62
Swine 2006 study testing support, 62

Diagnostic laboratories. *See also* National Veterinary
Services Laboratories; *specific laboratories.*

American Association of Veterinary Laboratory
Diagnosticians accreditation, 144

Diagnostic Virology Laboratory
description and activities, 60

Dogs
screwworm investigations, 12–13

Donkeys
number of, 84
production in the United States, 1997, 1998,
and 2002, 121
vesicular disease investigations, 11–12

DVL. *See* Diagnostic Virology Laboratory

E

E. coli
NAHMS studies, 46, 48

Education and outreach activities
NAIS and, 5

Eggs and egg products. *See* Poultry industry

Egtved virus. *See* Viral hemorrhagic septicemia.

EHD. *See* Epizootic hemorrhagic disease.

EHV-1. *See* Equine herpesvirus type 1.

ELISA. *See* Enzyme-linked immunosorbent assays.

Elk. *See* Cervids.

Emergency management
activities and accomplishments for 2007, 3
National Center for animal Health Emergency
Management, 1–2, 3

Emergency Management Leadership Council
responsibilities, 2

Emergency Management Response System
description and responsibilities, 99
information system, 98
mobile information management applications,
99

Emergency planning and preparedness
avian influenza preparedness, 3–4
components, 1–2
Veterinary Services role, 107

Emerging diseases
assessment and analysis of, 21
epizootic hemorrhagic disease, 21
equine herpesvirus type 1, 23
identification and tracking of issues, 20–21
melamine animal-feed adulteration, 23
Offshore Pest Information System, 21
progressive inflammatory neuropathy in swine
slaughter-plant workers, 22
swine influenza virus, 22

-
- EMLC. *See* Emergency Management Leadership Council.
- EMRS. *See* Emergency Management Response System.
- END. *See* Exotic Newcastle disease.
- Enzyme-linked immunosorbent assays
 Johne's disease, 41
- Epizootic hemorrhagic disease
 clinical signs, 21
 impact on deer and cattle, 21
 transmission, 21
- Equids. *See* Burros; Donkeys; Horses and ponies; Mules.
- Equine arbovirus
 Web site data delivery, 8
- Equine herpesvirus type 1
 outbreak investigations, 23
- Equine industry. *See* Horses and ponies.
- Equine infectious anemia
 Web site data delivery, 8
- Europe
 viral hemorrhagic septicemia, 55
- Exotic Newcastle disease
 APHIS "Train the Trainer" program, 64
 investigations, 13
 movement protocols for eggs and egg products, 2
- Exports. *See* Animal trade
- F**
- FADDL. *See* Foreign Animal Disease Diagnostic Laboratory.
- FADs. *See* Foreign animal diseases.
- FAIRS reports. *See* Food and Agricultural Import Regulations and Standards Reports
- Farms
 acres of land in farms as percent of land area in acres: 2002, 70
 average size of farms in acres: 2002, 70
 definition, 70
 estimate of the number of, 70
 number of, 70
- FAS. *See* Foreign Agricultural Service.
- FDA. *See* U.S. Food and Drug Administration
- Feedlots.
 cattle on feed statistics, 76
- Feral pigs. *See also* Transitional swine.
- Swine 2007 Small-Enterprise study and, 50
- Feral-Transitional Swine Management Plan
 brucellosis and, 34
 pseudorabies virus and, 32
- FERN. *See* Food Emergency Response Network.
- Fish. *See also* Aquaculture industry; specific types of fish and shellfish.
 viral hemorrhagic septicemia and, 55–56
- FMD. *See* Foot-and-mouth disease.
- Food and Agricultural Import Regulations and Standards Reports, 143
- Food and Agriculture Organization of the United Nations
 National Veterinary Services Laboratories
 activities, 106
 reference laboratories, 106
- Food Emergency Response Network
 description, 108
- Food Safety and Inspection Service
 responsibilities, 143
 Web site, 155
- Foot-and-mouth disease
 APHIS "Train the Trainer" program, 64
 investigations, 12
 North American FMD Vaccine Bank, 60
 proficiency testing of laboratory personnel, 63
- Foreign Agricultural Service
 responsibilities, 143
 Web site, 155
- Foreign Animal Disease Diagnostic Laboratory
 activities, 60
- Foreign animal diseases. *See also* specific diseases.
 as animal health emergencies, 1
 complaints, by species, disclosed in FAD investigations, 2006 and 2007, 129–132
 definition, 11
 Emergency Management Response System reporting of investigations, 99
 investigations by State, 2004–07, 127–128
 National Center for Animal Health Emergency Management responsibilities, 2
 number of investigations, 11, 12
 status of occurrence of OIE-reportable diseases in the United States, 2007, 133–137
 surveillance and investigations, 11–20
- France
 partnership with APHIS, 103
- FSIS. *See* Food Safety and Inspection Service.
- "Future Trends in Veterinary Public Health," 107
- FWS. *See* U.S. Fish and Wildlife Service.

G

- Global Animal Health Conference
 - Center for Veterinary Biologics and, 66
- Goats
 - decrease in the number of angora goats, 78
 - number of, 78
 - production in the United States, 2006 and 2007, 119
 - scrapie eradication program, 25–28
 - vesicular disease investigations, 11–12
- Greater Yellowstone Area
 - brucellosis eradication activities, 37–38
- GYA. *See* Greater Yellowstone Area.

H

- Highly pathogenic avian influenza
 - National HPAI Response Plan, 4
 - North American Animal Disease Spread Model simulated outbreaks, 100
 - surveillance measures, 3
 - USDA's International Coordination Group for HPAI, 106–107
- Hogs. *See* Swine.
- Homeland Security Presidential Directives 5-10, 107
- Honey
 - production in the United States, 2006 and 2007, 123
 - production statistics, 85
 - U.S. honey production, 1987-2007, 85
 - value of production in 2007: specific commodities as a percentage of the respective total of livestock and poultry and their products, plus honey, 71
- Horses and ponies
 - exports of, 90–91
 - geographic distribution, 84
 - inventory: 2002, 84
 - production in the United States, 1997, 1998, and 2002, 121
 - vesicular disease investigations, 11–12
- HPAI. *See* Highly pathogenic avian influenza

I

- IBMP. *See* Interagency Bison Management Plan for Yellowstone National Park.
- Idaho
 - brucellosis in cattle and bison status, 36–37

- Interagency Bison Management Plan for Yellowstone National Park, 37–38
- Imports. *See* Animal trade.
- Incident Command system
 - responsibilities, 2
- Indiana
 - progressive inflammatory neuropathy in swine slaughter-plant workers investigation, 22
- Infectious salmon anemia virus
 - allocation of funds for studies of, 54
 - biosecurity audits, 54
 - disease emergency status, 54
 - ISA inspections, 55
- Information technology systems
 - goals for, 98
 - highlights for 2007, 98–99
 - systems included, 98
- Institute for Animal Health
 - bluetongue virus and, 63
- Interagency Bison Management Plan for Yellowstone National Park
 - description, 37–38
- Interagency Working Group for the Coordination of Zoonotic Disease Surveillance
 - membership, 107
 - responsibilities, 107
 - survey of State agriculture and public health veterinarians, 107–108
- International activities
 - Animal and Plant Health Inspection Service, 64, 103–107
 - Center for Veterinary Biologics, 66
 - global animal health infrastructure, 146
- International Cooperation on Harmonization of Technical Requirements for Registration of Veterinary Medicinal Products, 66
- International Organization for Standardization
 - CVB certification, 65
 - NVSL accreditation, 59
 - Web site, 155
- International Services
 - responsibilities, 140
- International Standards Team
 - contact information, 149
- International Technical and Regulatory Capacity Building Center
 - description and goals, 104
- Internet. *See also* Web sites.
 - online reporting of NAHRS data, 57

Web-based applications for Laboratory Submission systems, 99

Iowa
percentage of total U.S. red meat production, 86
swine production, 77

Iowa State University
education materials for classic swine fever awareness, 17

IS. *See* International Services.

ISA virus. *See* Infectious salmon anemia virus.

ISO. *See* International Organization for Standardization.

IT systems. *See* Information technology systems.

Italy
U.S. imports of animals and animal products and, 90

ITRCB. *See* International Technical and Regulatory Capacity Building Center.

IWGCZDS. *See* Interagency Working Group for the Coordination of Zoonotic Disease Surveillance.

J

Japan
exports of U.S. animals and animal products and, 89
viral hemorrhagic septicemia and, 55

Johne's disease
description, 41
Diagnostic Bacteriology Laboratory testing support, 62
NAHMS studies, 46, 47
Voluntary Bovine Johne's Disease Control Program, 41

Joint Modeling Operations Center
foreign animal disease outbreak impacts and, 4

Joint Subcommittee on Aquaculture
National Aquatic Animal Health Plan and, 7

JSA. *See* Joint Subcommittee on Aquaculture.

K

Kansas
percentage of total U.S. red meat production, 86

Korea
exports of U.S. animals and animal products and, 89
viral hemorrhagic septicemia and, 55

L

Laboratory Response Network
description, 108

LADDL. *See* Louisiana Animal Disease Diagnostic Laboratory.

Lambs. *See* Sheep and lambs.

Lameness
Dairy 2007 study, 46, 47

LBMS. *See* Live-bird marketing system

Live-bird marketing system
avian influenza surveillance, 14–15
states awarded cooperative agreements to conduct surveillance, 15

Livestock. *See also* specific animals.
custom-exempt slaughter plants, 86–87
federally-inspected slaughter plants, 86
number of livestock slaughter plants in the U.S., 86
overview of production, 69–80, 86–87
production data on miscellaneous livestock, 2002, 123
slaughter statistics, 2007, 124
statistics for 2007, 72
Talmedge-Aiken plants, 86
U.S. commercial red meat production, 86
value of livestock, poultry, and their products, 71
value of production, 71

Livestock Conservation Institute
description and responsibilities, 145
pseudorabies virus task force, 32

Louisiana
animal-disease incident management by EMRS, 99
aquaculture industry, 85
white spot syndrome virus in crawfish, 52–54

Louisiana Animal Disease Diagnostic Laboratory
white spot syndrome virus and, 52–54

Low-pathogenicity avian influenza
in commercial turkey flocks, 2007, 14
emergency response activities, 4
surveillance activities, 14

LPAI. *See* Low-pathogenicity avian influenza.

LRN. *See* Laboratory Response Network.

M

Maine

infectious salmon anemia virus outbreaks, 54–55

Market Cattle Identification program

brucellosis in cattle and bison and, 35, 36

Massachusetts

screwworm investigation, 13

Mastitis

Dairy 2007 study, 46, 47

MCI. *See* Market Cattle Identification program.

Melamine animal-feed adulteration investigation, 23

Mexico

cattle fever ticks and, 19–20

exports of U.S. animals and animal products and, 89

North American Animal Health Committee and, 103

North American FMD Vaccine Bank and, 60
tuberculosis in cattle and cervids and, 31

U.S. imports of animals and animal products and, 90, 91

Michigan

tuberculosis in cattle and cervids, 29, 30, 31

Milk cows. *See also* Beef cows; Cattle and calves.

Dairy '96 study, 46

Dairy 2002 study, 46

Dairy 2007 study, 46–47

geographic distribution, 74

inventory: 2002, 74

National Dairy Heifer Evaluation Project, 46

number of U.S. operations, 1987–2007, 74

percent operations and inventory by herd size, 74

production, 2006 and 2007, 114

value of production in 2007: specific
commodities as a percentage of the respective
total of livestock and poultry and their
products, plus honey, 71

Minnesota

foreign animal disease investigation, 12

progressive inflammatory neuropathy in swine
slaughter-plant workers, 22

tuberculosis in cattle and cervids, 29, 30

Mississippi

aquaculture industry, 85

screwworm investigations, 12–13

Mites

Pathobiology Laboratory studies, 62

Monitoring and surveillance for diseases that affect
production and marketing

infectious salmon anemia virus, 54–55

National Animal Health Monitoring System
studies, 45–51

National Animal Health Reporting System
summary and update, 56–57

viral hemorrhagic septicemia, 55–56

white spot syndrome virus in Louisiana
crawfish, 52–54

Montana

brucellosis in cattle and bison status, 35–36

Interagency Bison Management Plan for
Yellowstone National Park, 37–38

Mules

number of, 84

production in the United States, 1997, 1998,
and 2002, 121

vesicular disease investigations, 11–12

N

NAADSM. *See* North American Animal Disease Spread
Model.

NAAHP. *See* National Aquatic Animal Health Plan.

NAHERC. *See* National Animal Health Emergency
Response Corps.

NAHLN. *See* National Animal Health Laboratory
Network.

NAHSS. *See* National Animal Health Surveillance
System.

NAI. *See* Notifiable avian influenza.

NAIS. *See* National Animal Identification System.

“NAIS User Guide,” 6

NAS. *See* National Academy of Sciences.

NASDA. *See* National Association of State Departments
of Agriculture.

NASS. *See* National Agricultural Statistics Service.

National Academy of Sciences

reassessment of APHIS responsibilities and, 45

National Agricultural Statistics Service

bird banding data, 3–4

Census of Agriculture data, 69

major commodity surveys conducted by, 111

NAHMS studies and, 45

Swine 2007 Small-Enterprise study and, 49

value of production for selected agricultural
commodities for 2006 and 2007, 112

National Animal Health Emergency Response Corps
responsibilities, 3

- National Animal Health Laboratory Network
 - classical swine fever surveillance, 63
 - cooperative agreements with State and university veterinary diagnostic laboratories, 60–61
 - currently targeted diseases, 61
 - description, 8, 59, 108, 144
 - enhanced avian influenza surveillance efforts, 63
 - enhanced Laboratory Reporting module, 99
 - establishment of, 60–61
 - foreign animal disease surveillance, 11, 15
 - functions of, 60–61
 - information system, 98
 - Laboratory Registry module, 98–99
 - NAHLN network, 61
 - training program, 64
- National Animal Health Monitoring System
 - analysis of data, 46
 - Beef 2007-2008 study, 47–48
 - confidentiality of data, 45
 - Dairy 2007 study, 46–47
 - data collection phases, 46
 - focus of studies, 45
 - formation of, 45
 - products of studies, 46
 - responsibilities, 143
 - selection of States for studies, 45
 - Small-Enterprise Chicken Study 2007, 50–51
 - study design, 45
 - Swine 2007 Small-Enterprise study, 49–50
 - voluntary nature of participation in studies, 45
- National Animal Health Policy and Programs
 - Aquaculture, Swine, Equine, and Poultry Health Programs, 142–143
 - contact information, 149
 - Ruminant Health Programs, 142–143
 - Surveillance and Identification Program, 143
- National Animal Health Reporting System
 - description, 56, 146
 - OIE reporting and, 56
 - online reporting, 57
 - States participating in NAHRS in 2007, 57
 - update of activities, 56–57
- National Animal Health Surveillance System
 - avian influenza surveillance data, 14
 - description, 7
 - foundational elements, 8
 - National Surveillance Unit, 8, 49, 56, 100, 143
 - strategic plan, 7–8, 45
- National Animal Identification System
 - animal identification, 5
 - animal trace processing, 99
 - animal tracing, 5
 - “A Business Plan to Advance Animal Disease Traceability,” 5–6
 - components, 4
 - education and outreach, 5
 - goals, 4
 - information system, 98
 - “NAIS User Guide,” 6
 - premises registration, 5
- National Aquaculture Association
 - Web site, 156
- National Aquatic Animal Health Plan
 - description, 7
 - goals, 7
- National Assembly of State Animal Health Officials
 - Interagency Working Group for the Coordination of Zoonotic Disease Surveillance and, 107
- National Association of State Departments of Agriculture
 - APHIS Assessment Working Group and, 109
 - description and responsibilities, 145
 - Web site, 156
- National Association of State Public Health Veterinarians
 - Interagency Working Group for the Coordination of Zoonotic Disease Surveillance and, 107
- National Avian Influenza Surveillance Plan
 - populations addressed, 13
- National Center for Animal Health Emergency Management
 - avian influenza preparedness, 4
 - contact information, 149
 - emergency management activities and accomplishments, 3
 - preparedness and communication and, 1–2
 - recovery and continuity of animal agriculture operations and, 2
 - response and containment and, 2
 - responsibilities, 1
 - strategic approach, 1–2
 - surveillance and detection and, 2
- National Centers for Animal Health
 - agencies comprising, 66
- National Chicken Council
 - Avian Influenza Monitoring Plan, 13–14

-
- National Dairy Heifer Evaluation Project
description, 46
- National HPAI Response Plan, 4
- National Institute for Animal Agriculture. *See*
Livestock Conservation Institute
- National Marine Fisheries Service
responsibilities, 144
- National Poultry Improvement Plan
description, 14
- National Strategy for Pandemic Influenza
preparedness, surveillance, and response goals,
4
- National Surveillance Unit
National Animal Health Reporting System and,
56
responsibilities, 143
Swine 2007 Small-Enterprise study and, 49
targeted surveillance methodology, 100
- National Veterinary Accreditation Program
accreditation categories, 98
background, 97
description, 97, 145
eligibility and training requirements, 97–98
highlights for 2007, 98
- National Veterinary Services Laboratories
avian influenza diagnostic techniques, 64
bluetongue virus and, 62–63
contact information, 149
description, 59
Diagnostic Bacteriology Laboratory, 59–60
Diagnostic Virology Laboratory, 60
enhanced avian influenza surveillance efforts,
63
Food and Agriculture Organization reference
laboratory activities, 106
Foreign Animal Disease Diagnostic Laboratory,
60
ISO accreditation, 59
mission, 59
OIE and, 59, 104
Pathobiology Laboratory, 60
swine influenza virus investigation, 63
Web site, 156
- National Veterinary Stockpile
activities and accomplishments for 2007, 3
deployment of critical supplies to, 1
operational guide, 3
- National Wildlife Health Center
avian influenza surveillance in wild waterfowl,
15
- National Wildlife Research Center
avian influenza surveillance in wild waterfowl, 15
NCAHEM. *See* National Center for Animal Health
Emergency Management.
- NDHEP. *See* National Dairy Heifer Evaluation Project
Nebraska.
low-pathogenicity avian influenza incident, 14
percentage of total U.S. red meat production,
86
progressive inflammatory neuropathy in swine
slaughter-plant workers investigation, 22
- New Jersey
low-pathogenicity avian influenza incident, 15
- New Mexico
animal-disease incident management by EMRS,
99
tuberculosis in cattle and cervids, 29, 30
- New World screwworm
investigation, 12–13
surveillance activities, 18–19
- New York
low-pathogenicity avian influenza incident, 15
- New Zealand
Quadrilateral Animal Health Committee and,
103
U.S. imports of animals and animal products
and, 90
- North American Animal Disease Spread Model
Development Team, 100
uses, 100
- North American Animal Health Committee
description, 103
- North American FMD Vaccine Bank
Foreign Animal Disease Diagnostic Laboratory
and, 60
- North Carolina
swine production, 77
- North Dakota
honey production, 85
- Notifiable avian influenza
surveillance measures, 3
- NPIP. *See* National Poultry Improvement Plan.
- NVAP. *See* National Veterinary Accreditation Program.
- NVS. *See* National Veterinary Stockpile.
- NVSL. *See* National Veterinary Services. Laboratories
- NWRC. *See* National Wildlife Research Center.

-
- O**
- Office of Homeland Security
 - agroterrorism and, 2
 - National Animal Health Laboratory Network and, 60–61
 - Offshore Pest Information System
 - emerging diseases and, 21
 - Ohio
 - swine influenza virus infection of swine and people investigation, 22, 63
 - OIE. *See* World Organization for Animal Health.
 - Oklahoma
 - tuberculosis in cattle and cervids, 29, 30
 - Old World screwworm
 - geographic distribution, 13
 - investigations, 11, 13
 - One Health Initiative Task Force
 - description and membership, 108
 - OPIS. *See* Offshore Pest Information System.
 - Outreach. *See* Education and outreach activities.
- P**
- PAMT. *See* Pathways Assessment Mapping Tool.
 - Pandemic influenza. *See* Avian influenza.
 - Parasites. *See also* specific parasites.
 - Pathobiology Laboratory exotic parasite studies, 62
 - Pathobiology Laboratory
 - description and activities, 60
 - exotic parasite studies, 62
 - scrapie eradication and, 62
 - Pathways Assessment Mapping Tool
 - description, 99
 - PCR. *See* Polymerase chain reaction.
 - Pennsylvania
 - low-pathogenicity avian influenza incident, 15
 - Pet food
 - melamine animal-feed adulteration investigation, 23
 - Pharmacovigilance Expert Working Group
 - description, 66
 - Pigs. *See* Swine.
 - PL. *See* Pathobiology Laboratory.
 - Plant Protection and Quarantine
 - responsibilities, 140
 - Polymerase chain reaction
 - bluetongue virus testing, 63
 - brucellosis testing, 62
 - Johne's disease, 41
 - Porcine brucellosis. *See* Brucellosis in swine.
 - Pork industry
 - classical swine fever threat, 49
 - Poultry industry. *See also* Avian influenza
 - federally-inspected slaughter plants and, 83
 - geographic distribution, 82
 - hatchery statistics, 83
 - layers 20 weeks old and older—inventory: 2002, 82
 - melamine animal-feed adulteration investigation and, 23
 - movement protocols for eggs and egg products, 2
 - overview of production, 69, 81–83
 - production in the United States, 2006 and 2007, 120
 - Small-Enterprise Chicken Study 2007, 50–51
 - statistics for 2007, 72
 - U.S. broiler production, 1980–2006, 81
 - U.S. egg production, 1960–2006, 81
 - U.S. turkey production, 1960–2006, 81
 - value of poultry and eggs, 81
 - value of production, 71
 - PPQ. *See* Plant Protection and Quarantine.
 - Premises registration
 - activities for 2007, 5
 - Progressive inflammatory neuropathy
 - swine slaughter-plant workers and, 22
 - PRV. *See* Pseudorabies virus
 - Pseudorabies virus
 - Accelerated Pseudorabies Eradication Program, 32
 - eradication program standards, 32
 - eradication program status, 32
 - Feral-Transitional Swine Management Plan, 32, 34
 - future eradication plans, 33
 - Livestock Conservation Institute task force, 32
 - on-farm testing, 33
 - surveillance plan, 32–33
 - Swine 2007 Small-Enterprise study and, 49–50
 - transitional swine and, 32
 - Public Health Security and Bioterrorism Act, 107
- Q**
- Quadrilateral Animal Health Committee
 - description, 103

R

Reproductive problems

Dairy 2007 study, 46, 47

RHP. *See* Ruminant Health Programs.

Ruminant Health Programs

responsibilities, 142–143

Russia

exports of U.S. animals and animal products and, 89

S

Salmon

infectious salmon anemia virus, 54–55

Salmonella

Diagnostic Bacteriology Laboratory serotyping, 62

NAHMS studies, 46, 48

Sanitary and Phytosanitary Food Safety Reports, 143

Scrapie Flock Certification Program

description, 28

Scrapie in sheep and goats

animal identification and, 25

cleanup of infected and source flocks, 27

flock certification, 28

flocks newly infected with scrapie, 27

future eradication plans, 28

genotype tracking, 99

Nor98 type, 27

Pathobiology Laboratory and, 62

prevalence of disease, 26

primary components of the eradication program, 25–28

regulatory scrapie slaughter surveillance, by fiscal year, 27

scrapie cases, FY 2003–07, 28

Scrapie Flock Certification Program

participation, 2002–07, 28

scrapie national database—sheep and/or goat premises counts, 25

scrapie samples collected at slaughter FY 2004–07, 26

surveillance issues, 25–26

susceptibility association with codones, 28

tracing of positive and exposed animals, 27

tracing of sheep and goats in exposed, infected, and source flocks, 27

transmissible spongiform encephalopathies and, 25

Web-based applications for Laboratory Submission systems, 99

Screwworm. *See also* New World screwworm; Old World screwworm.

submissions tested by NVSL, 18

surveillance activities, 18–19

Security and Prosperity Partnership of North America harmonization of diagnostics and, 64

SFCP. *See* Scrapie Flock Certification Program.

Sheep and lambs

geographic distribution, 78

inventory: 2002, 78

number of U.S. operations, 1987–2007, 80

production in the United States, 2006 and 2007, 118

scrapie eradication program, 25–28

sheep: U.S. commercial slaughter, by month, 2005–07, 80

slaughter plants, 86

U.S. inventory on January 1, 1988–2008, 79

value of production in 2007, 71

vesicular disease investigations, 11–12

Shrimp

white spot syndrome virus and, 52

SIP. *See* Surveillance and Identification Program.

SIV. *See* Swine influenza virus.

Small-Enterprise Chicken Study 2007

biosecurity focus, 50

bird movement issues, 50

contract operations and, 50

noncontract operations and, 51

States. *See also* specific states.

animal health authorities, 144

animal health contacts, 149–153

Beef 2007–08 study participation, 48

brucellosis certification categories and State status—as of Dec. 31, 2007, 34

chronic wasting disease funding, 39–40

Class Free status for brucellosis in cattle and bison, 35–37

collaboration with APHIS on response to animal and plant pest and disease outbreaks, 109

Cooperative State-Federal Brucellosis Eradication Program, 34–35

Cooperative State-Federal Tuberculosis Eradication Program, 29

Dairy 2007 participation, 46

foreign animal disease investigations, 127–128

NAHLN network, 61

NAHMS study selection, 45

- number of farmed cervid herds with animals positive for chronic wasting disease, by State, 1997-2007, 40
 - pseudorabies virus reporting, 32
 - scrapie eradication efforts, 27, 28
 - statistics on licensing of facilities feeding food waste to swine, 2005-07, 43
 - survey of State agriculture and public health veterinarians, 107-108
 - Swine 2007 Small-Enterprise study participation, 49
 - tuberculosis accreditation categories and State status—2007, 29
 - tuberculosis reporting requirements, 29
 - “Strategic Plan for Reducing the Risk of Importing Tuberculosis Infected Cattle from Mexico 2008-2012,” 31
 - Surveillance activities. *See also* Monitoring and surveillance for diseases that affect production and marketing; National Surveillance Unit.
 - avian influenza, 13-16, 63
 - bovine spongiform encephalopathy, 16-17
 - brucellosis in cattle and bison, 37
 - cattle ticks, 19-20
 - chronic wasting disease, 38-39, 40
 - classical swine fever, 17-18, 63
 - infectious salmon anemia virus, 54-55
 - New World screwworm, 18-19
 - pseudorabies virus, 32-33
 - scrapie in sheep and goats, 25-26
 - tropical bont tick, 18
 - tuberculosis in cattle and cervids, 31, 31
 - vesicular diseases, 20
 - viral hemorrhagic septicemia, 55-56
 - wildlife disease surveillance, 108-109
 - Surveillance and Identification Program responsibilities, 143
 - Swine
 - brucellosis, 33-34
 - feeding of food waste to, 43
 - foot-and-mouth disease investigation, 12
 - geographic distribution, 77
 - hog and pig production, 2006 and 2007, 117
 - hogs: U.S. commercial slaughter, by month, 2005-07, 77
 - hogs and pigs: number of U.S. operations, 1997-2007, 79
 - hogs and pigs--inventory: 2002, 77
 - hogs and pigs--U.S. inventory, by quarter, 1997-2007, 77
 - melamine animal-feed adulteration investigation and, 23
 - pseudorabies virus eradication program, 32-33
 - slaughter plants, 86
 - statistics on licensing of facilities feeding food waste to swine, 2005-07, 43
 - transitional swine, 32
 - trichinae and, 42-43
 - value of production in 2007, 71
 - vesicular disease investigations, 11-12
 - Swine 2007 Small-Enterprise study
 - data collection phases, 50
 - description of pigs brought onto the operation in the last year, 50
 - feral pigs and, 50
 - housing issues, 50
 - participating States, 49
 - producing agencies, 49
 - Swine 2006 study comparison, 50
 - Swine 2006 study
 - Diagnostic Bacteriology Laboratory testing support, 62
 - Swine 2007 Small-Enterprise study comparison, 50
 - Swine Brucellosis Control and Eradication Program description, 34
 - Swine Health Protection Inspection Program description, 43
 - Swine influenza virus
 - description, 63
 - infection of swine and people investigation, 22, 63
 - NVSL and, 63
 - Swine slaughter-plant workers
 - progressive inflammatory neuropathy and, 22
- T**
- Taiwan
 - white spot syndrome virus and, 52
 - Talmedge-Aiken plants, 86
 - TB. *See* Tuberculosis in cattle and cervids.
 - TBT. *See* Tropical bont ticks.
 - Texas

- animal-disease incident management by EMRS, 99
 - brucellosis in cattle and bison status, 36
 - Cattle Fever Tick Eradication Program, 19–20
 - percentage of total U.S. red meat production, 86
 - white spot syndrome virus and, 52
 - Texas Veterinary Medical Diagnostic Laboratory
 - white spot syndrome and, 52
 - Ticks
 - Pathobiology Laboratory studies, 62
 - Transitional swine. *See also* Feral pigs.
 - brucellosis and, 33–34
 - definition, 32, 34
 - pseudorabies virus and, 32–33
 - Transmissible spongiform encephalopathies
 - NAHLN testing for, 63
 - scrapie in sheep and goats and, 25
 - Trichinae in swine
 - disease and program history, 42
 - future certification plans, 43
 - on-farm audits, 42
 - U.S. Trichinae Certification Program, 42
 - Tropical bont ticks
 - eradication plan, 18
 - surveillance activities, 18
 - Trout. *See also* Aquaculture industry.
 - annual survey of, 84
 - production in the United States, 2006 and 2007, 122
 - value of production in 2007, 71
 - viral hemorrhagic septicemia and, 55–56
 - TSEs. *See* Transmissible spongiform encephalopathies.
 - Tuberculosis in cattle and cervids
 - “Bovine Tuberculosis Eradication: Uniform Methods and Rules,” 29
 - “Controlling Wildlife Vectors of Bovine Tuberculosis,” 31–32
 - Cooperative State-Federal Tuberculosis Eradication Program, 29
 - EMRS mobile information management applications, 99
 - future eradication plans, 31–32
 - minimum standards, 29
 - number of herds found to be TB affected, 29
 - slaughter surveillance, 31, 31
 - “Strategic Plan for Reducing the Risk of Importing Tuberculosis Infected Cattle from Mexico 2008-2012,” 31
 - tuberculosis accreditation categories and State status--2007, 29
 - TVMDL. *See* Texas Veterinary Medical Diagnostic Laboratory
- ## U
- UM&R. *See* Uniform Methods & Rules.
 - Uniform Methods & Rules
 - brucellosis in cattle and bison, 35
 - brucellosis in swine, 33
 - description, 139
 - tuberculosis in cattle and cervids and, 31
 - United States Animal Health Association
 - contact information, 149
 - description and responsibilities, 145
 - NAHRS and, 146
 - National Animal Health Reporting System and, 56
 - survey of State agriculture and public health veterinarians, 107–108
 - Web site, 156
 - University of Minnesota
 - targeted surveillance methodology, 100
 - U.S. Code of Federal Regulations
 - Federal animal health and food safety regulations, 139
 - Web site, 155
 - U.S. Department of Agriculture. *See also* specific agencies, departments, and offices.
 - agroterrorism and, 2
 - International Coordination Group for HPAI, 106–107
 - organizational chart, 140
 - veterinarians-in-charge, 150–153
 - Web site, 156
 - U.S. Department of Commerce
 - National Marine Fisheries Service, 144
 - U.S. Department of Health and Human Services
 - avian influenza surveillance in wild waterfowl, 15
 - Food and Drug Administration, 23, 107, 143
 - Web site, 156
 - U.S. Department of Homeland Security
 - agroterrorism and, 2
 - Customs and Border Protection, 144
 - responsibilities, 144
 - Web site, 156

- U.S. Department of the Interior
 avian influenza surveillance in wild waterfowl, 15
 Interagency Bison Management Plan for Yellowstone National Park, 37–38
- U.S. Fish and Wildlife Service
 viral hemorrhagic septicemia and, 55–56
 Web site, 156
 wild bird monitoring for avian influenza, 3
- U.S. Food and Drug Administration
 Interagency Working Group for the Coordination of Zoonotic Disease Surveillance and, 107
 melamine animal-feed adulteration investigation, 23
 responsibilities, 143
- U.S. Geological Survey
 wild bird monitoring for avian influenza, 3
- U.S. Trichinae Certification Program
 description, 42
- U.S. Virgin Islands
 tropical bont tick eradication plan, 18
- USAHA. *See* United States Animal Health Association.
- USDA. *See* U.S. Department of Agriculture.
- USGS. *See* U.S. Geological Survey.
- USTCP. *See* U.S. Trichinae Certification Program.
- V**
- VBJDCP. *See* Voluntary Bovine Johne's Disease Control Program.
- Vesicular diseases. *See also* specific diseases.
 investigations, 11–12
 proficiency testing of laboratory personnel, 63
 surveillance activities, 20
- Vesicular stomatitis virus
 complement-fixation test, 63
 proficiency testing of laboratory personnel, 63
 Web site data delivery, 8
- Veterinary Services
 avian influenza preparedness, 3–4
 avian influenza surveillance in wild waterfowl, 15
 contact information, 150
 domestic partnerships and collaborations, 107–109
 emergency management and diagnostics, 141
 emergency planning and preparedness, 1–2, 107
 enhanced avian influenza surveillance efforts, 63
 facilities, 141
 information technology and data systems, 98–99
 Interagency Working Group for the Coordination of Zoonotic Disease Surveillance and, 107
 laboratory networks, 108
 mission, 1, 97–100
 National Animal Health Policy and Programs, 141–142
 National Animal Health Surveillance System, 7–8
 National Animal Identification System, 4–6
 National Aquatic Animal Health Plan, 7
 National Veterinary Accreditation Program, 97–98
 North American Animal Disease Spread Model, 100
 One Health Initiative Task Force, 108
 organization profile, 2007, 141
 organizational chart, 142
 Pathways Assessment Mapping Tool, 99
 permanent workforce, 2007, 141
 public health and agriculture partnerships, 107
 regional operations, 141
 responsibilities, 140
 role and structure, 141–143
 Web site, 156
 wildlife disease surveillance, 108–109
 workforce components, 141
- Veterinary Services Process Streamlining
 enhancements and architecture restructuring, 99
 information system, 98
- VHS. *See* Viral hemorrhagic septicemia
- VICH. *See* International Cooperation on Harmonization of Technical Requirements for Registration of Veterinary Medicinal Products.
- Viral hemorrhagic septicemia
 APHIS Administrator's Federal Order and, 55–56
 APHIS funding for surveillance, 56
 description, 55
 diagnostic test data, 56
 economic consequences, 55
 factors affecting spread of, 55
 genogroups, 55
 geographic range, 55

- mortality rate, 55
- OIE reporting and, 55
- surveillance plan, 8
- Virginia
 - low-pathogenicity avian influenza incident, 14
- Virus-Serum-Toxin Act
 - Center for Veterinary Biologics and, 59
- Voluntary Bovine Johne's Disease Control Program
 - description, 41
- VS. *See* Veterinary Services.
- VS Laboratory Submission systems
 - Web-based applications, 99
- VSL. *See* VS Laboratory Submission systems.
- VSPS. *See* Veterinary Services Process Streamlining.
- VSTA. *See* Virus-Serum-Toxin Act.
- VSV. *See* Vesicular stomatitis virus.

- W**
- Washington
 - viral hemorrhagic septicemia and, 55
- Waterfowl. *See* Wild waterfowl.
- Web sites. *See also* Internet; *specific agencies, offices, and organizations.*
 - animal health sites, 155–156
- West Virginia
 - low-pathogenicity avian influenza incident, 14
- Western blot assay
 - brucellosis, 62
- White spot syndrome virus
 - clinical signs, 52
 - description, 52
 - infection rate in crawfish, 53
 - infection sources, 53
 - investigation, 11
 - Louisiana crawfish and, 52–54
 - shrimp and, 52
 - surveillance testing protocol, 52–53
- Wild birds. *See also* Wild waterfowl.
 - bird banding, 3–4
 - monitoring for avian influenza, 3–4
- Wild waterfowl
 - avian influenza surveillance, 15–16
- Wildlife Services
 - enhanced avian influenza surveillance efforts, 63
 - responsibilities, 140
 - Web site, 156
 - wild bird monitoring for avian influenza, 3, 15

- World Health Organization
 - “Converging Issues in Veterinary and Public Health,” 107
 - “Future Trends in Veterinary Public Health,” 107
- World Organization for Animal Health
 - bovine spongiform encephalopathy surveillance, 16
 - Centers for Epidemiology and Animal Health collaboration, 104–105
 - Collaborating Centers for Animal Disease Surveillance Systems and Risk Analysis, 104
 - contact information, 149
 - Diagnostic Bacteriology Laboratory and, 59–60
 - Diagnostic Virology Laboratory and, 60
 - NAHRS and, 56
 - notifiable avian influenza definition, 3
 - NVSL and, 59
 - reference laboratories, 104
 - status of occurrence of OIE-reportable diseases in the United States, 2007, 133–137
 - viral hemorrhagic septicemia reporting, 55
 - Web site, 156
- World Trade Organization
 - Agreement on the Application of Sanitary and Phytosanitary Standards, 146
 - proposed rules affecting U.S. trade in livestock and animal products and, 139
 - Web site, 156
- WS. *See* Wildlife services.
- WSSV. *See* White spot syndrome virus.
- WTO. *See* World Trade Organization.
- Wyoming
 - animal-disease incident management by EMRS, 99
 - Interagency Bison Management Plan for Yellowstone National Park, 37–38

