Unit 6: Bioterrorism and Infectious Diseases

Instructional Activities for Adults

PKIDs’ Infectious Disease Workshop

Made possible by grants from the Northwest Health Foundation, the Children’s Vaccine Program at PATH and PKIDs.
PKIDs’ Infectious Disease Workshop

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Acknowledgements

Producing this workshop has been a dream of ours since PKIDs’ inception in 1996. It has been more than two years since we began work on this project, and many people helped us reach our goal. It’s not done, because it is by nature a living document that will evolve as science makes strides in the research of infectious diseases, but it’s a great beginning.

There are people who’ve helped us whose names are not on this printed list. That omission is not deliberate, but rather from our own clumsiness in losing important pieces of paper, and we apologize.

Without the funding and support of the Northwest Health Foundation and the Children’s Vaccine Program at PATH (Program for Appropriate Technology in Health), this would have been an impossible task. Dr. Katherine Vaughn, PKIDs’ Medical Director and Dr. Karen Steingart, scientific advisor to PKIDs, provided excellent guidance through their editorial oversight and knowledgeable contributions to the Infectious Disease Workshop.

On PKIDs’ staff are three individuals without whom this publication would never have been finished—Franji Mayes, Mylei Basich and Christine Kukka, all of whom gave their very best to ensure this workshop is accurate and user-friendly.

We are indebted to the following individuals who cheerfully gave us hours of their time and access to their resources: the American Society for Microbiology; Kathy A. Bobula, Ph.D., Coordinator, Early Childhood Education, Clark College, Vancouver, Wash.; Claudia Bratt, elementary school teacher, Truman Elementary, Vancouver, Wash.; Sue Campbell, Early Childhood Educator, Kindercare; many wonderful and helpful people at the Centers for Disease Control and Prevention, Atlanta, Georgia; Rachel Coyle, Case Aide and Residential Care Staff Lead, Jonathan’s Place; Tammy Dunn, Early Childhood Director, Portland Christian Schools, Portland, Oregon; Bruce Gellin, M.D., Director of the National Vaccine Program Office in the Office of the Assistant Secretary for Health, Department of Health and Human Services; Shannon Harrison, M.D., Internal Medicine and Infectious Diseases, Teton Hospital, Jackson, Wyoming; the Immunization Action Coalition; Brad Jensen, M.D., Southwest Washington Medical Center Pathology Department; Edgar Marcuse, M.D., Professor of Pediatrics, University of Washington and Director of Medical Services, Seattle Children’s Hospital and Regional Medical Center; Zack Mittge, law student, University of Oregon; the National Network for Immunization Information; Paul Offit, M.D., Chief, Section of Infectious Diseases and the Henle Professor of Immunologic and Infectious Diseases at The Children’s Hospital of Philadelphia; Carol Porter, Red Cross health room volunteer, Garland Independent School District, Garland, Texas; Sarah Theberge, Curriculum Instructor, Early Childhood Education, Clark College, Vancouver, Wash.; James Whorton, Ph.D., Professor, Department of Medical History and Ethics, University of Washington School of Medicine.

We thank the following for providing nonprofit rates for their microscopic images: Dennis Kunkel Microscopy, Inc., and Science Photo Library/Photo Researchers, Inc.
(Cover photo: Dennis Kunkel Microscopy, Inc./www.denniskunkel.com)

Additional funding for this project provided by PKIDs (Parents of Kids with Infectious Diseases).
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This publication contains the opinions and ideas of its authors. It is intended to provide helpful
and informative material on the subject matter covered. Any information obtained from this
workshop is not to be construed as medical or legal advice. If the reader requires personal as-
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otherwise, which is incurred as a consequence, directly or indirectly, of the use and application
of any of the contents of this workshop.
Introduction

PKIDs (Parents of Kids with Infectious Diseases) is a national nonprofit agency whose mission is to educate the public about infectious diseases, the methods of prevention and transmission, and the latest advances in medicine; to eliminate the social stigma borne by the infected; and to assist the families of the children living with hepatitis, HIV/AIDS, or other chronic, viral infectious diseases with emotional, financial and informational support.

Remaining true to our mission, we have designed the Infectious Disease Workshop (IDW), an educational tool for people of all ages and with all levels of understanding about infectious diseases. In this workshop, you will learn about bacteria and viruses, how to prevent infections, and how to eliminate the social stigma that too often accompanies diseases such as HIV or hepatitis C.

We hope that both instructors and participants come away from this workshop feeling comfortable with their new level of education on infectious diseases.

The IDW is designed to “train-the-trainer,” providing instructors not only with background materials but also with age-appropriate activities for the participants. Instructors do not need to be professional educators to use these materials. They were designed with both educators and laypersons in mind.

The IDW is comprised of a master Instructor’s Background Text, which is divided into six units: Introduction to Infectious Diseases, Disease Prevention, Sports and Infectious Disease, Stigma and Infectious Disease, Civil Rights and Infectious Disease, and Bioterrorism and Infectious Disease.

For each unit, instructors will find fun and helpful activities for participants in five age groups: 2 to 6 years of age, 6 to 9 years of age, 9 to 12 years of age, 13 to 18 years of age and adults.

We welcome any questions, comments, or feedback you may have about the IDW or any other issue relating to infectious diseases in children.

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BIOTERRORISM
Making an Emergency Contacts List

LEVEL
Adult

OBJECTIVE
- Participants will fill out emergency contacts information sheet.
- Participants will post the emergency contacts information sheet in their homes for reference.
- Families/coworkers of participants will discuss/rehearse actions to be taken in the event of emergency.

MATERIALS
1 copy of the “Emergency Contacts” sheet for each participant.

PREP
None

INSTRUCTIONAL COMPONENTS
1. Give 1 copy of the “Emergency Contacts” sheet to each participant. (The sheet is designed for children as well as adults.)
2. Briefly review the components of the sheet:
   - Our Family Name: put the family’s last name here.
   - Home Phone and Address: list any phone numbers for the home and the street address (no post office boxes).
   - For ambulance, fire, or police, call 911.
   - 2 spaces are provided for parent/guardian contact information.
   - 2 spaces are provided for friends/family not in the same household. It is a good idea for everyone in the family to know the phone number for the out-of-town friend/relative, so that in the event of a local disaster, each family member can report in with the out-of-town friend/relative, who shares that information with all family members.
   - 1 space is provided for the number of the local health department. Anyone suspecting they have been subject to a biological attack should call this number.
   - 1 space is provided to list the location of the family’s meeting place outside the home.
3. Encourage older children/adults to help younger children fill out the sheet and understand how and when to use the information.
4. Adults can fill out a sheet for the workplace as well as the home.

ASSESSMENT
Participants should be able to state the location of the emergency contacts list in their home.
# Emergency Contacts

Our Family Name: _______________________________

Our Home Phone: ____________________________________________

Our Street Address: ____________________________________________

Our Town: ____________________________________________________

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**LOCAL HEALTH DEPARTMENT**

PHONE: ______________________

WEBSITE: ______________________

**OUR FAMILY MEETING PLACE**

OUTSIDE HOME: ______________________
BIOTERRORISM
Making A Comfort Kit

LEVEL
Adult

OBJECTIVE
Participants will assemble a small package of things for their own personal comfort or entertainment in the event of a disaster.

MATERIALS
- 1 handout (included with lesson) per participant.
- Miscellaneous items to be provided by participants.

PREP
Determine storage space for kits.

INSTRUCTIONAL COMPONENTS
1. Send participants home with handout.
2. Adults can make their own comfort kits for the workplace and/or car.
3. Be sure all kits are labeled with names!

ASSESSMENT
Participants will bring their own comfort kits to work.
BIOTERRORISM
Making A Comfort Kit

In the unlikely event of a disaster (natural or man-made) occurring, please consider creating a "comfort kit" to keep at work. This kit should contain non-perishable items that will help pass the time and alleviate stress. You may choose to create a similar kit for your car.

Select items that will fit inside a small bag, such as a 1-gallon resealable bag. A list of items to consider might include:

- Plastic garbage sack (to protect from moisture; can be used as a blanket)
- Photo of the family
- Non-perishable snack items, candy
- Drinks in small, sealed containers or pouches
- Drawing pad, paper
- Activity/game booklet (e.g., crossword puzzles, word searches)
- Book, magazine
- Travel-sized game
- Deck of cards
- Flashlight
- Small battery-powered radio
- Extra batteries
- Daily vitamins and medications
- Small pillow

Remember to label the kit with your name!
BIOTERRORISM
Who Responds?

LEVEL
Adult

OBJECTIVE
Participants will gain knowledge of agencies and resources that are integral in responding to a bioterrorism incident.

MATERIALS
1 copy of the attached quiz for each participant.

PREP
None

INSTRUCTIONAL COMPONENTS
Participants will complete the quiz and compare/check answers.

ASSESSMENT
See attached quiz.

Answers: 1) laboratories, 2) the media, 3) police department, 4) health care providers, 5) CDC, 6) NPS, 7) public health departments, 8) HazMat, 9) FEMA, 10) DHHS, 11) paramedics, 12) FBI.
BIOTERRORISM
Who Responds?

In the event of a bioterrorist incident, many agencies would need to coordinate their efforts in order to control the situation. Several are already doing this to ensure that resources and communication protocols will be ready if a biological attack occurs. Some agencies that would need to share information are: state/local health departments; paramedics (EMS, fire department); health care providers, including hospitals, physicians and nurses, and medical clinics; medical examiners’ offices; laboratories; pharmacies; veterinary clinics; poison control centers; local/state police departments; the Federal Bureau of Investigation (FBI); volunteer organizations; and social and mental health services. That’s just to name a few!

How well do you know and understand which agencies would serve your community during a biological attack? To find out, take this quiz and check your answers with your instructor at the end.

(NOTE: The agencies and descriptions provided here are not meant to provide you with a complete list of organizations and their duties, but rather a general idea of them.)

Choose from the following and fill in the blanks:

Health care providers
Police departments
Paramedics
Public health departments
Laboratories
The media
HazMat
National Pharmaceutical Stockpile Program (NPS)
Federal Emergency Management Agency (FEMA)
Department of Health and Human Services (DHHS)
Centers for Disease Control and Prevention (CDC)
Federal Bureau of Investigation (FBI)

1. Technicians in government and private __________________________ analyze samples from crime scenes to determine the composition of suspicious substances.

2. All agencies should communicate effectively with ________________ in order to prevent the spread of inaccurate information and to provide the public with information.

3. In the event of a biological attack, the local ________________________________ would be responsible for community security, including enforcing quarantines and helping transport medical supplies.
4. __________________________, such as hospitals, clinics, nurses and physicians, must have an understanding of the biological agents that can be used as weapons and the symptoms victims of a biological attack would exhibit. If an attack is suspected, they must immediately contact public health officials at local, state, and federal health organizations.

5. The ______________________________ provides national leadership and education to public health professionals and health care providers, teaching them to detect and respond to biological threats. This organization oversees many programs and offices, including the Epidemiology Program Office, the National Center for Infectious Diseases, and the National Immunization Program.

6. The ______________________________ is a national supply of medications, treatments, and medical paraphernalia that can be distributed in the event of a biological emergency.

7. ______________________________ are generally concerned with maintaining community health at the state and local level and providing education to the public and medical personnel. In the event of a bioterrorist attack, they would send disease detectives (epidemiologists) to investigate the situation and assess people exposed to the biological agent.

8. ___________ deals with the transportation and cleanup of hazardous materials.

9. The ______________________________ coordinates the federal response to emergencies. This government agency has assisted countless people suffering from the aftermath of major destructive events, such as tornadoes, floods, and earthquakes.

10. The ______________________________ coordinates the National Medical Response Teams for Weapons of Mass Destruction. This department encompasses many government agencies, including the Centers for Disease Control and Prevention.

11. In the event of a bioterrorist attack, ________________ from EMS and the fire department would be responsible for responding to and transporting victims.

12. The lead agency in a terrorist incident is the ______________________________.
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www.mmrs.hhs.gov

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www.metrokc.gov

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www.usamriid.army.mil

U.S. Army Office of the Surgeon General: The Medical NBC (Nuclear, Biological, Chemical) Online Information Server
www.nbc-med.org

U.S. Food and Drug Administration: *Bioterrorism*
www.fda.gov
Additional Activities and Resources
for Teachers, Students, and Parents

American Red Cross. Distributes preparedness pamphlets, checklists, and coloring books. Website contains information for educators. www.redcross.org


The Parents’ Committee for Public Awareness. Anthrax: A Practical Guide for Citizens—What You Should Know, What You Can Do, & How It Came to This. Cambridge: Harvard Perspectives Press, 2001. Distills the most up-to-date information and compiles useful public materials so that no family, individual, employer, public institution or medical facility will have to hunt them down.
