

Local Aerosol Transmissible Diseases Plan - Zoonotic

Supervisor:
Phone:
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Department:
Building:
Room(s):

Overview

This document introduces the Supervisor to the purpose and use of the Stanford University Local Aerosol Transmissible Disease Control Plan - Zoonotic (Local ATD-Zoonotic). The Local ATD – Zoonotic shall be completed for work involving:

- Research at ABSL-2 or above using a zoonotic Aerosol Transmissible Pathogen (ATP), classified as transmissible to humans either by droplets or airborne route.

For work with wildlife likely containing zoonotic Aerosol Transmissible Pathogens:

- Capture, sampling, transportation or disposal of wild birds or other wildlife for research purposes.
- Disposal of such wildlife remains or waste by employees.

Included are guidance and instructions on how to complete the Local ATD-Zoonotic; once complete, this shall be kept, along with updates and training records, in a location available for reference by personnel and regulators.

Stanford University Local Aerosol Transmissible Disease Control Plan – Zoonotic

i. Regulatory Driver, Purpose, and Scope

Per the California Occupational Safety and Health Administration (Cal-OSHA) Aerosol Transmissible Diseases (ATD) standard ([Title 8, Section 5199](#)) and the Aerosol Transmissible Diseases – Zoonotic Standard ([5199.1](#)) the Aerosol Transmissible Diseases Program (hereafter referred to as “ATD Program”) has been developed to minimize personnel exposure to aerosol transmissible diseases (ATDs) in research, healthcare, as well as other settings at Stanford University. **Supervisors and staff should refer to the [Stanford University Institutional Aerosol Transmissible Diseases Plan](#) as a resource for exposure control background, issues and regulatory procedures.**

Purpose: The Stanford University Local Aerosol Transmissible Disease Control Plan - Zoonotic (Local ATD-Zoonotic) supplements the [Stanford University Institutional Aerosol Transmissible Diseases Plan](#) and describes how to establish, implement, and maintain effective procedures for preventing employee exposure to zoonotic aerosol transmissible pathogens. The Local ATD-Zoonotic addresses health and safety issues specific to the jobs and procedures being used by personnel and constitutes a Tier III training for these topics.

This Plan is in compliance with the California OSHA Aerosol Transmissible Disease (ATD)-Zoonotic standard (Title 8, [5199.1](#)).

Note that laboratory operations involving samples, cultures or other materials containing zoonotic ATPs must complete the Stanford University Local ATD- Laboratories.

Local ATD Plan – Zoonotic:

1. **Research at ABSL-2 or above using a zoonotic ATP**, classified as transmissible to humans either by droplets or airborne route.

Prior to working with any zoonotic ATPs, (ATPs-L, see [Appendix A](#)) each laboratory at Stanford University must have approval from the Stanford University Administrative Panel on Biosafety (APB). During the APB review and approval process the following items will be addressed:

- Risk assessment
- Pathogen verification
- Engineering controls
- Safe handling procedures
- Decontamination and disinfection procedures
- Personal Protective Equipment
- Respiratory protection
- Emergency procedures
- Occupational health
- Communication and training

Completion of Local ATD – Zoonotic for applicable ABSL-2 or above research

The completed Plan includes this document along with approved APB protocol(s). The Plan shall be filed in a central location within the laboratory/work place for all personnel to access and to be made readily available to authorities in event of a regulatory inspection of the facility.

2. For work with wildlife likely containing Aerosol Transmissible Pathogens

- Capture, sampling, transportation or disposal of wild birds or other wildlife for research purposes.
- Disposal of such wildlife remains or waste by employees.

Prior to working with any of the above categories the following items shall be addressed:

- Establish, implement, and maintain effective procedures for preventing employee exposure to zoonotic aerosol transmissible pathogens in accordance with the Stanford University Injury and Illness Prevention Program ([IIPP](#)) and the ATD Program; see [Stanford University Institutional Aerosol Transmissible Diseases Plan \(Section 4\)](#).
- These procedures shall include sanitation, investigation of occupational injuries and illnesses, training, and where applicable, biosecurity and the use of personal protective equipment.
- Training shall cover all of the employer's exposure control procedures required by this subsection, and shall be appropriate in content and vocabulary for the educational level, literacy, and language of employees.

Review and complete the following sections:

1. Identify Infection Control person(s)/Administrator responsible for implementing infection control procedures.

Biosafety Manager
Environmental Health & Safety
480 Oak Road.
Stanford, CA
650.723.0448

2. Job Classifications, Specific Issues: **Complete and attach Appendix A to the Local ATD Plan - Zoonotic (can also be done as a spread sheet)**

- A. List all high hazard procedures performed for the above, services or operations, and the job classifications and operations in which employees are exposed to those procedures.
- B. List all assignments or tasks requiring personal or respiratory protection.
- C. List specific control measures each operation or work area in which occupational exposure occurs. These measures shall include applicable engineering and work practice controls, cleaning and decontamination procedures, and personal protective equipment and respiratory protection (to be done according to the [BMBL 5th Edition](#)).
- D. A description of the source control measures to be implemented in the facility, service or operation, and the method of informing people entering the work setting of the source control measures.

3. Occupational Health Procedures:

Occupational Medical Care is provided by:

Stanford University Occupational Health Center
Environmental Safety Facility (ESF)
480 Oak Road, Room B15
Stanford, CA 94305-8007

Phone: (650) 725-5308
Fax: (650) 725-9218

Testing and follow-up for potential exposure: employees covered by this standard shall be provided with annual testing for latent tuberculosis infection, information and offer of vaccination if appropriate (dependent upon ATD), and follow-up for employees who have been exposed at work to a confirmed case of a reportable ATD. As part of Occupational Health, **complete Appendix C.**

Stanford University Liaison with Health Department: Medical Director
Stanford University Occupational Health Center

Laboratory Animal Occupational Health Program: University policy requires that all faculty, staff, visiting scholars, and students who work directly with vertebrate animals, unfixed animal tissues or body fluids, and those who work in animal housing areas

must participate in the Laboratory Animal Occupational Health Program (LAOHP). Information on the LAOHP is available at <http://web.stanford.edu/dept/EHS/prod/researchlab/medsurv/labanimal/index.html>

4. Written Zoonotic Disease Control Procedures for Specific Operations: **Attach documents describing the following issues to the completed Local ATD-Zoonotic**

- Engineering controls, work practice controls, and exposure monitoring
- Procedures for the safe handling of hazardous substances, including hazardous substances used for disinfection and decontamination
- Procedures for the application of toxic or asphyxiant gases, if such gases are to be used in the operation
- Respiratory protection
- Personal protective equipment and protective clothing
- Decontamination procedures
- Disposal of animal waste and contaminated personal protective equipment
- Medical services
- Training
- Recordkeeping
- Procedures to provide employees ready or frequent access to drinking water and sanitation facilities, including appropriate decontamination methods for employees who need to access these facilities.
- Procedures to protect employees from the risk of heat illness (if appropriate).

5. Training:

Training shall be provided at or prior to an employee's initial assignment to a job covered by this regulation, and at least annually thereafter. Additional training shall be provided when there are changes in the workplace or when there are changes in procedures that could affect worker exposure to ATDs. The person conducting the training shall be knowledgeable in the subject matter covered by the training program as it relates to the workplace. Training material appropriate in content and vocabulary to the educational level, literacy, and language of employees shall be used.

This training shall include:

- Identification and description of the zoonotic diseases that may be present in the work operation, and their signs and symptoms.
- The processes and procedures personnel will use in restricted areas or when dealing with infected animals or their waste.
- The VSC safety program, including engineering and administrative controls, exposure monitoring and the results of exposure monitoring, the use of personal and respiratory protection equipment, cleaning and decontamination procedures, access to sanitation facilities and drinking water, and methods to control the risk of heat illness.
- The meaning of signs that will be used onsite.
- Hazard communications training
- The medical services program.

Training will be provided through a combination of Tier II and Tier III training.

Records: training records shall be kept for 3 years.

Completion of Local ATD – Zoonotic for work with wildlife

The completed Plan includes this document along with:

1. Completed Appendix A
2. Documents to describe section 4 above (Written Zoonotic Disease Control Procedures for Specific Operation)
3. Documentation of trainings (Appendix B)
4. Documentation of Vaccine Declination (if appropriate).

The completed Plan shall be filed in a central location within the work place for all personnel to access and to be made readily available to authorities in event of a regulatory inspection of the facility.

Review: **annual review** of the infection control procedures with employees will be done and recorded, with correction of any problems that are found.