



# NIOSH-Approved Spirometry Courses

## Seattle, Washington

### UPCOMING DATES

**1-day Refresher:**  
Mar 31, 2023

**2-day Training:**  
Feb 28-Mar 1, 2023  
May 9-10, 2023

### REGISTRATION

Register online at  
[osha.washington.edu](http://osha.washington.edu) or

206-543-1069

**1-day Refresher:** \$350

**2-day Training:** \$650

*A \$50 late fee will apply to all  
registrations completed less  
than 2 weeks in advance*

### LOCATION

UW Roosevelt Building  
4225 Roosevelt Way NE  
Suite 100  
Seattle, WA 98105

### NW CENTER INFORMATION

206-543-1069 or  
800-326-7568  
[ce@uw.edu](mailto:ce@uw.edu)  
[osha.washington.edu](http://osha.washington.edu)

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▶ **Spirometry** is an important component of occupational respiratory evaluation and surveillance programs that contributes to the prevention of work-related pulmonary disease and disability. Many companies, hospitals, and clinics have a critical need to conduct high-quality respiratory evaluations using national standardized protocols. National Institute for Occupational Safety and Health (NIOSH)-approved spirometry courses provide instruction for practitioners who administer pulmonary function testing to screen employees exposed to occupational hazards such as asbestos, cotton, coke oven emissions, or cadmium. In March 2013, OSHA recommended that all occupational spirometry technicians complete a NIOSH-approved course as best practice.

NIOSH-approved training incorporates the most recent American Thoracic Society and European Respiratory Society (ATS/ERS) spirometry requirements and testing procedures. The ATS is the leading medical professional society in the US that provides evidence-based statements for pulmonary function laboratory standards, testing procedures, and interpretation of test results.

We offer the basic 2-day NIOSH-approved spirometry training and a one-day spirometry refresher. Certificates are awarded for a 5-year period.

### ACCREDITATION

Professionals who wish to receive a contact hour certificate must complete a CE registration form, all course activities, and an evaluation. The evaluation consists of a written and a practical examination. There is a recordkeeping and handling fee of \$45 payable to the University of Washington (visa, master card, or check).

- Continuing Nursing Education at the University of Washington School of Nursing (UWCNE) is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.
- UWCNE is approved as a clock hour provider by the Washington State Board of Education.
- Provider approved by the California Board of Registered Nursing, Provider # 07218, for 16 contact hours.
- Other Disciplines: A certificate will be awarded documenting completion of this offering.



CONTINUING EDUCATION PROGRAMS

NORTHWEST CENTER FOR OCCUPATIONAL HEALTH AND SAFETY

DEPARTMENT OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES

University of Washington School of Public Health



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## Seattle, Washington

### SPIROMETRY TRAINING AT YOUR WORKPLACE

NIOSH-approved spirometry training can be offered on-site to a group of employees. Please contact us at [ce@uw.edu](mailto:ce@uw.edu) or 206-543-1069 for more information.

### FOR MORE INFORMATION ON NIOSH SPIROMETRY COURSES

Martha Horike-Pyne,  
RPFT, MPH  
[mjpyne@uw.edu](mailto:mjpyne@uw.edu)  
206-221-0971

To request disability accommodation, contact the Disability Services Office at least 10 days in advance at: 206-543-6450 (voice); 206-543-6452 (TDY); 206-685-7264 (FAX); or [dso@u.washington.edu](mailto:dso@u.washington.edu) (e-mail)

### AUDIENCE

Nurses, advanced practice nurses, primary care practitioners, clinical administrators, internists, allergists, pulmonologists, occupational medicine physicians, respiratory therapists and medical assistants.

#### ► 1-Day Refresher Spirometry Training Course

**Contact Hours: 8.0 hours**

**Tuition: \$350**

The 1-day refresher course is designed for experienced spirometry technicians who have completed a NIOSH spirometry certification course within the last five years. Documentation of a valid NIOSH spirometry certificate is required. At the completion of this course, participants should be able to:

- Explain the current ATS/ERS testing standards and guidelines.
- Identify testing contraindications and procedures.
- Discuss technical procedures and instrumentation requirements including calibration check procedures and sources of error, and their correction for both volume displacement and flow measuring spirometers.
- Explain the effective use of volume-time and flow-volume displays.
- Identify common spirometry testing errors and applicable corrective actions.
- Discuss recommended procedures for proper infection control.
- Differentiate lung function patterns (normal, obstructive, restrictive, and mixed disease) using test results and the spirograms.

#### ► 2-Day Initial Spirometry Training Course

**Contact Hours: 16.0 hours**

**Tuition: \$650**

The 2-day initial course is designed for technicians who have never taken the NIOSH Spirometry certification course or were certified more than 5 years ago. This class is appropriate for novice as well as highly experienced spirometry technicians. At the completion of this course, participants should be able to:

- Describe basic physiology of the forced vital capacity maneuver and the determinants of airflow limitations.
- Identify pulmonary disease patterns in spirometry.
- Describe ATS/NIOSH instrumentation requirements including calibration check procedures and sources of error and their correction
- Perform testing including subject coaching, recognition of improperly performed maneuvers, and corrective actions.
- Implement or describe current appropriate quality assurance procedures for spirometric procedures.
- Identify common spirometry testing errors and applicable corrective actions.

### ABOUT US

Our Continuing Education Programs provide environmental and occupational safety and health training for workers, managers, and practitioners in Region 10. Our Pacific Northwest OSHA Education Center provides a variety of OSHA-authorized courses. Our Northwest Center for Occupational Health & Safety was established in 1977 and is one of 18 Education and Research Centers supported by the National Institute for Occupational Safety & Health (NIOSH). Most courses are eligible for Continuing Education Units for professional practice maintenance.