



Australian Government

Assessment Requirements for HLTHPS004 Measure spirometry

Release: 1

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Modification History

Release	Comments
Release 1	This version was released in <i>HLT Health Training Package release 2.0</i> and meets the requirements of the 2012 Standards for Training Packages. Significant changes to the elements and performance criteria. New evidence requirements for assessment, including volume and frequency requirements. Significant change to knowledge evidence.

Performance Evidence

The candidate must show evidence of the ability to complete tasks outlined in elements and performance criteria of this unit, manage tasks and manage contingencies in the context of the job role. There must be evidence that the candidate has:

- followed established technical, infection control and safety procedures to produce spirometry measurements for at least 3 different clients that accurately reflect the maximal expiratory ventilatory capacity:
 - recognised and responded appropriately to errors due to both client performance and technical faults
 - provided provisional interpretation against established reference values

Knowledge Evidence

The candidate must be able to demonstrate essential knowledge required to effectively complete tasks outlined in elements and performance criteria of this unit, manage tasks and manage contingencies in the context of the work role. This includes knowledge of:

- purpose, principles and protocols of spirometry
- legal and ethical considerations for spirometry, including:
 - duty of care
 - informed consent
 - records management
 - privacy, confidentiality and disclosure
 - industry standards
 - work role boundaries – responsibilities and limitations
- basic pharmacology related to respiratory function relevant for spirometry measurement

- anatomy and physiology relevant for understanding and conducting spirometry
- set up, operation and routine maintenance of spirometry equipment
- patterns of normal/abnormal results related to both respiratory disease and technical factors relevant for spirometry measurement
- features of technically correct recordings, including:
 - no hesitation at start
 - evidence of maximal effort
 - no cough within first second
 - end of test criteria met
 - reproducibility
- mathematical and statistical information relevant for spirometry measurement
- reference values required for spirometry measurement and the factors that contribute to calculation of client reference values and how to incorporate these, including:
 - weight
 - height
 - age
 - gender
 - race
- how to convert volumes from atmospheric temperature and pressure (ATP) to body temperature and pressure saturated (BTPS)
- common causes of client non compliance in spirometry and the appropriate remedies
- complications and contraindications for clients undergoing spirometry measurement, and how to respond
- emergency procedures specific to spirometry instrument quality control procedures, including:
 - calibration
 - biological control measures
- relevance of environmental factors in spirometry, including temperature and humidity
- features and functions of respiratory therapy products

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - spirometer
 - client information
 - procedures for candidate to follow
- modelling of industry operating conditions, including integration of situations requiring problem solving

Assessors must satisfy the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>