

**MINISTRY OF HEALTH MALAYSIA AND MALAYSIAN THORACIC SOCIETY  
COLLABORATION ON  
SPIROMETRY CERTIFICATION PROGRAMME**

**INTRODUCTION**

In 2012, the programme started with the formation of a MTS Education committee to create standardised training modules for Lung Function Tests (LFT) appropriate for Malaysian setting. MTS sent two of its members for training by attending the European Respiratory Society (ERS) Spirometry Driving License course. They completed their training in 2013 and were certified as providers and trainers. The programme was also approved and recognised by the Director of Health Malaysia, Datuk Dr Noor Hisham B Abdullah in 2014. The first edition of the reading materials for the programme was published in 2014 and was registered under ISBN in 2015 (ISBN 978-967-13419). All reading and course materials were formulated after many discussions by the MTS LFT Education committee members to suit both local practice and international guidelines. (ERS and American Thoracic Society (ATS) Guidelines). From 2019, the programme will be known as MTS Spirometry Certification Programme led by the MTS Spirometry Steering Committee. The new edition of the reading materials for the programme has been prepared to improve on the current programme and courses.

**SPIROMETRY CERTIFICATION PROGRAMME (Provider Course)**

MTS Basic LFT Certification Programme was the first programme to provide standardised training for trainers and providers in Malaysia. From 2019, it will be known as MTS Spirometry Certification Programme. The provider course consists of three phases. Phase 1 includes 1 ½ day course focusing on theoretical knowledge. At the end of the Phase 1 course, candidates are required to sit for a written examination. Phase 2 consists of practice and training at their respective centres under supervision for 3-4 months. A completed log book must be submitted to the MTS Spirometry Steering committee at least 4 weeks prior to the Phase 3 course. Phase 3 course comprises another 1 ½ day course focusing on the practical aspects of spirometry testing. The candidates are assessed and evaluated at the end of the course. Upon successful completion of the courses, log book and examinations, candidates will be certified as Spirometry Provider by the Malaysian Thoracic Society and Ministry of Health Malaysia.

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**The main objective of the programme** is to provide standardised basic knowledge and skills for all healthcare personnel involved in spirometry either in hospital or primary care settings. (Public, Private and University settings)

The objectives are to ensure the healthcare personnel:

1. Understands fundamental and basic science of children and adult respiratory system,
2. Performs and interprets peak expiratory flow test following the standard outline,
3. Performs good basic spirometry tests following the standard guideline
4. Recognises problems and limitations in spirometry testing, and
5. Understands Infection and quality control of spirometry equipment and laboratory.



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**CRITERIA FOR FULL CERTIFICATION IN MTS SPIROMETRY PROGRAMME**

1. Full attendance of all didactic lectures and practical sessions in Phase I and Phase 3
2. Pass in the written assessment at the end of Phase 1
3. Pass in the practical assessment at the end of Phase 3
4. After completion of the Phase 1 course, the candidate will complete and submit log book to the MTS Spirometry Steering Committee within stipulated time  
On-site supervisor will be a Respiratory Physician/ Paediatrician/ Physician
5. The Committee will decide upon completion of all tasks.
6. Certificate as Spirometry provider will be given by Malaysian Thoracic Society and Ministry of Health Malaysia

