

Basic Psychometrics for Health Professions Education

PROGRAMME DESCRIPTION

This workshop aims to develop understanding of basic psychometric principles and item analysis in health professions education, and the ability to apply these to your own test settings and test items analysis.

Assessment principles governing test assembly, validity and reliability will be reviewed. In addition, parameters used in basic post-hoc test item analysis such as difficulty index, discrimination, correlation, distractor analysis and reliability will be introduced and demonstrated for assessment items commonly used in clinical education like MCQs and OSCEs.



**DURATION: 0.75 DAYS
(6 HOURS)**

PROGRAMME CONTENT

This programme comprises the following learning topics:

- Introduction to Assessment Principles and Item Analysis
- Fundamentals of Test Assembly
- Selection type test – Step-by-step work-through of MCQ analysis
- Supply type test – Step-by-step work-through of OSCE analysis with classical technique



TARGET AUDIENCE

Clinical Educators/ Teachers, including APDs, CCFMs, Clinical Instructors, Subject Leads and Preceptors from all healthcare professions education conducting assessment.

LEARNING OUTCOMES

At the end of the programme, participants will be able to:

- Understand and review psychometric theories and elements of item analysis
- Interpret data of item analysis

METHODOLOGY

This programme is designed to be an interactive learning experience for participants. Methodologies used will include:



Small group exercises



Lectures



Mini-didactic presentations



Skills practice

TRAINING CAPACITY

20 participants per run

ABOUT THE ORGANISER

Officially established on 19 July 2002, the NHG College plays an instrumental role in facilitating the continuous learning and development of our workforce, as well as, promoting systems improvement and driving leadership development in NHG Health. NHG College collaborates with renowned institutions and industry partners to build the pipeline and collective capacities of our leaders, educators, healthcare professionals and staff to support NHG Health in serving and managing the health of our patients and the population.

For enquiries on Education and Faculty Development courses, please visit our website by scanning the QR code below or email us at: nhggroup.college@nhghealth.com.sg

