

Point of care testing

Learning Outcomes

1. Critically select, organise and manage a POCT solution within a hospital environment or primary care setting. Use this understanding to prepare an innovative proposal for acquisition of a POCT solution.
2. Demonstrate an awareness of the variety of POCT analyses available both for primary and secondary care. Have a detailed knowledge on the analytical principles of these analyses. Use this knowledge to critically evaluate the clinical usefulness of POCT solutions and their limitations
3. Demonstrate an awareness and understanding, in the context of POCT, of the concepts of electronic data acquisition, record management and connectivity
4. Demonstrate an awareness of the relevant industry protocols developed for POCT

Core Dimensions

CD1 Communication

Since learners are asked to demonstrate knowledge all the learning outcomes will map to level 2 "Communicate with a range of people on a number of matters."

in particular items a-c

- a) communicates with a range of people on a range of matters in a form that is appropriate to them and the situation
- b) improves the effectiveness of communication through the use of communication skills
- c) constructively manages barriers to effective communication

LO 1 will also map to level 3 a - c

- a) identifies the range of people likely to be involved in the communication, any potential communication differences and relevant contextual factors
- b) communicates with people in a form and manner that:
 - is consistent with their level of understanding, culture, background and preferred ways of communicating
 - is appropriate to the purpose of the communication and the context in which it is taking place
 - encourages the effective participation of all involved
- c) recognises and reflects on barriers to effective communication and modifies communication in response

CD2 Personal and people development

Similarly all learning contributes to personal development and again the need to demonstrate knowledge will involve others, thus mapping to level 2 "Develop own skills and knowledge and provide information to others to help their development"

In particular a-c, LO 1 will also map to f

a) assesses and identifies:

- feedback from others on own work
- how s/he is applying knowledge and skills in relation to the KSF outline for the post
- own development needs and interests in the current post
- what has been helpful in his/her learning and development to date

b) takes an active part in the development review of own work against the KSF outline for the post with their

reviewer and suggests areas for learning and development in the coming year

c) takes responsibility for own personal development and takes an active part in learning opportunities

f) offers information to others when it will help their development and/or help them meet work demands.

CD4 Service improvement

LOs 1 & 2 map to level 3 a, e & f "Appraise, interpret and apply suggestions, recommendations and directives to improve services"

a) identifies and evaluates areas for potential service improvement

e) enables and encourages others to:

- understand and appreciate the influences on services and the reasons why improvements are being made
- offer suggestions, ideas and views for improving services and developing direction, policies and strategies
- alter their practice in line with agreed improvements
- share achievements
- challenge tradition

f) evaluates with others the effectiveness of service improvements and agrees that further action is required to take them forward

Other core dimensions

No specific mapping

Specific Dimensions

Health and Wellbeing HWB8 Biomedical investigations and interventions

The knowledge gained in satisfying these learning outcomes should be equivalent to that required for level 3 "Plan, undertake, evaluate and report biomedical interventions and/or interventions"

a) evaluates relevant information to plan the range and sequence of biomedical investigations/interventions

required and determines:

- the specific procedures to be undertaken
- unusual aspects of cases (including any particular risks)

- the urgency with which procedures need to be carried out
 - relevant legislation, policies and procedures
- b) selects appropriate methods, techniques, equipment and analytical methods, in line with the resources available and evidence of effectiveness
- c) carries out and monitors investigations/interventions in line with established procedures and protocols, taking the appropriate action in the case of incidents which put at risk health and safety or the quality of specimens
- d) evaluates the outcomes of investigations/interventions and takes appropriate action in relation to anomalous or poor quality results or insufficient information
- e) collates and interprets findings and outcomes and reports them to relevant colleagues in the appropriate format, clearly stating any limitations
- f) provides valid information, advice and recommendations in relation to diagnosis, prognosis, treatment and individual management.

Information and knowledge

IK 2 Information collection and analysis

LOs 2,3&4 map to level 3 “Gather, analyse, interpret and present extensive and/or complex data and information”

- b) identifies appropriate and valid sources which can provide data and information of sufficient quality and quantity
- c) identifies, develops and implements a range of valid, reliable, cost-effective and ethical methods for addressing the agreed questions and issues, minimising disruption to the people providing the data/information and complying with relevant legislation, policies and procedures
- d) defines and implements search strategies for reviewing data and information and summarising the results
- e) monitors the quality and quantity of the data and information and takes the necessary action to deal with any problems and maintain data quality
- f) collates and analyses data and information using methods appropriate to:
 - the initial questions/issues to be addressed – the nature of the data and information
- g) interprets, appraises and synthesises data and information appropriately and identifies:
 - consistency and inconsistency in outcomes
 - any limitations in the analyses used and continually holds issues raised open to question

General

G2 Development and innovation

All LOs map to

Level 1 “Appraise concepts, models, methods, practices, products and equipment developed by others”

- a) identifies new developments made by others that might be relevant to own area of work
- b) critically evaluates and reviews developments to determine if and how they could be applied within own area of work
- c) proposes the adoption of relevant developments within own work area to relevant decision makers

In addition LOs !&2 map to level 2a

- a) confirms with relevant information sources:
 - the nature of the activities required
 - any particular factors to take into account and selects appropriate ways of developing, testing and reviewing concepts, models, methods, practices, products and equipment