



Australian Government

Assessment Requirements for DEFPHL014 Investigate and control outbreak of disease

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate investigation scenarios and include:

- administering questionnaires to gather information about common factors in the outbreak of disease
- applying relevant legislation, and organisational policies and procedures
- classifying the path of disease using calculated attack rates, endemic curve diagrams and assessed risk factors as the basis for analysis
- communicating clearly and concisely
- communicating professionally with members of the organisation and health services
- conducting disease investigational activities
- determining control measures applicable to the disease
- establishing and maintaining cooperative working relationships with those contacted in the course of work
- establishing and maintaining relevant administrative procedures
- gathering data using a minimum of three data collection methods
- interpreting the significance of medical, health and other data obtained from a variety of sources
- interviewing cases to determine demographic, medically relevant information and risk factor data
- leading, planning, assigning and reviewing the work of personnel assisting with the investigation
- maintaining confidentiality
- prioritising tasking.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- aetiology of infectious diseases including:
 - microbiology

- biological, ecologic and social factors that promote the spread of a disease
- chronic and communicable diseases including:
 - bioterrorism agents and their transmission
 - prevention
 - control methods
- common factors in the outbreak of disease
- control measures for disease transmission including:
 - initial control measures to limit the spread of disease
- current disease surveillance methods
- epidemiologic investigative principles, practices and procedures
- epidemiology of disease including:
 - calculating disease attack rate (biostatistical measure of frequency)
 - incidence rate of disease
 - population risk factors
- factors affecting the complexity of the disease investigation
- food safety standards including:
 - food storage and distribution standards
 - hazard analysis and critical control points (HACCP) approach to food control
- monitoring procedures
- planning and control systems
- relevant documentation processes
- relevant legislation, and organisational policies and procedures
- risk management principles and disease risk factors
- role and capabilities of other health care providers including environmental health team
- water quality assurance measures.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations of disease outbreak with

all supporting information

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry required to perform measurement, testing and on-site inspection
- relevant documentation including operational procedures, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>