



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **PUADEFPH002A Assist with quick assessment of disease outbreak**

**Revision Number: 1**

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### **Modification History**

Not applicable.

### **Unit Descriptor**

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This unit covers the competency required to assist with quick assessment of disease outbreak within the Australian Defence Force (ADF).

### **Application of the Unit**

#### **Application of the Unit**

The application of this unit in the workplace includes applying epidemiological knowledge and methods to assist with a quick assessment of disease outbreak and to identify early control measures to prevent the continued spread of disease.

This unit of competency is applicable to preventive medicine personnel. This function is limited to the performance of tasks in accordance with organisational policies and procedures.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

## Employability Skills Information

**Employability Skills** This unit contains employability skills.

**Pre-requisite Unit/s** Nil

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

## Elements and Performance Criteria

### ELEMENT

### PERFORMANCE CRITERIA

#### 1. **Collect epidemiologic data relevant to quick assessment**

- 1.1 Tasks to support quick assessment are received from person/s leading quick assessment and are clarified as required
- 1.2 Person/s leading quick assessment are accompanied and provided with relevant information and assistance as required
- 1.3 ***Information regarding events leading up to, during or after a disease outbreak*** occurring is obtained from those involved using ***appropriate data collection methods***
- 1.4 ***Environmental measurements and testing*** to support quick assessment are performed
- 1.5 Environmental measurements outside of normal reference intervals are repeated to validate measurement information and to enable accurate data on which to base analysis

**ELEMENT****PERFORMANCE CRITERIA****2. Participate in epidemiologic quick assessment**

- 2.1 Epidemiologic data is analysed to identify *factors relating to disease outbreak*
- 2.2 Factors relating to disease outbreak are compared to treatment information and to organisation's response to disease outbreak
- 2.3 *Specialist authorities* are contacted as required to seek expert advice or opinion to aid assessment of disease

**3. Identify immediate disease control measures**

- 3.1 Range of *control measures* are identified which specifically address factors of disease outbreak
- 3.2 Control measures are communicated to person/s leading quick assessment for review
- 3.3 Disease control measures are integrated with the environmental health support plan to apply lessons learned to other operating areas and groups
- 3.4 Control measures outside own limits of authority are referred to commander for resolution

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

#### Required Skills

- communicate appropriately about, consult on and impart knowledge of:
- causes of disease transmission
- control measures of disease transmission
- food storage and distribution standards
- risk management principles
- water quality assurance measures
- establish and maintain administrative systems
- manage workplace issues and problems
- prioritise tasking

#### Required Knowledge

- administrative systems
- best use of available resources
- causes of disease transmission
- causes of manpower wastage
- control measures of disease transmission
- documentation processes relevant to own workplace
- food storage and distribution standards including the Hazard Analysis and Critical Control Point (HACCP) approach to food control
- health surveillance system
- legal rights and responsibilities
- organisational policies and procedures
- pathophysiology of common communicable diseases
- planning and control systems
- process of disease
- risk management principles
- role and capabilities of other health care providers including environmental health team
- team leadership management principles
- time management strategies to set priorities
- water quality assurance measures

# Evidence Guide

## EVIDENCE GUIDE

### **Critical aspects for assessment and evidence required to demonstrate competency in this unit**

Assessment must confirm the ability to:

- gather relevant information to the outbreak of disease
- analyse information and make accurate assessments about the factors of disease
- communicate and work effectively with person/s leading the quick assessment.

### **Consistency in performance**

Competency should be demonstrated over a minimum of two quick assessment scenarios.

### **Context of and specific resources for assessment**

#### **Context of assessment**

Competency should be assessed in a simulated situation or scenario.

#### **Specific resources for assessment**

Access is required to:

- actual or scenario of outbreak of disease with all supporting information
- equipment required to perform environmental measurement and testing
- person who is or who is notionally leading quick assessment.

## Range Statement

### RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

<b>Information regarding events leading up to, during or after a disease outbreak may include</b>	Action on first reported case
	Environmental protection activities
	Duration of illness
	Epidemiology of the presenting disease
	Food sources
	Group activities
	Hygiene procedures
	Number of personnel affected
	Operating environment
	Referral action
	Response to treatment by health personnel
	Secondary infections
	Subsequent environmental protection activities
	Water sources
<b>Appropriate data collection methods may include</b>	Document search
	Inspection
	Interview
	Requests for information
	Survey
<b>Environmental measurements and testing may include</b>	Chemical and biological testing
	Environmental measurement
	Food sampling
	Water quality testing
<b>Factors relating to disease outbreak may include</b>	Path of disease transmission
	Proportions of disease spread and infection
	Time/date of onset
	Type of disease

**RANGE STATEMENT****Specialist authorities may include**

Environmental health officer  
 Health planning personnel  
 Medical personnel  
 Pathology specialist

**Control measures may include**

Controlling dust and aerial contamination  
 Controlling/isolating field waste  
 Educating personnel (prevention/early detection)  
 Immunisation  
 Improving personal hygiene  
 Isolating carriers of disease  
 Preventing overcrowding  
 Providing adequate hygiene facilities  
 Reviewing food handlers hygiene practices  
 Reviewing food handling and storage practices

**Unit Sector(s)**

Not applicable.

**Corequisite Unit/s**

**Co-requisite Unit/s** Nil