

<b>Title</b>	<b>Demonstrate knowledge of diseases and disorders in the human body</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>9</b>

<b>Purpose</b>	<p>People credited with this unit standard can demonstrate knowledge of:</p> <ul style="list-style-type: none"> <li>terminology and conditions associated with the pathology of cells and tissues; and</li> <li>common diseases and disorders associated with the major systems of the human body.</li> </ul>
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<b>Classification</b>	Health, Disability, and Aged Support > Core Health
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Assessment note**  
Evidence generated for assessment against this standard must reflect descriptions and principles in, *Essentials of human anatomy and physiology*, or another current medical text that describes human anatomy.
- 2 Definitions**  
*Disease* is a particular abnormal condition that negatively affects the structure or function of all or part of an organism, and that is not due to any immediate external injury.  
*Disorder* is a condition characterized by lack of normal functioning of physical or mental processes. A disorder could be defined as a set of problems, which result in causing significant difficulty, distress, impairment, and/or suffering in a person's daily life.
- 3 Range**  
Pathology includes – causes, risk factors, signs, symptoms.
- 4 Reference**  
Marieb, E.N. (2017). *Essentials of human anatomy and physiology, Global Edition* (12th ed.). Harlow, United Kingdom: Pearson Education Limited.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of terminology and conditions associated with the pathology of cells and tissues.

**Performance criteria**

- 1.1 Common terms associated with the pathology of cells and tissues are defined.
- Range cytology, biopsy, histology, benign, malignant, metastatic.
- 1.2 Common medical conditions associated with the pathology of cells and tissues are identified and described.
- Range bruise, haematoma, sprain, strain, neoplasm, ischaemia, cyanosis, oedema.

**Outcome 2**

Demonstrate knowledge of common diseases and disorders associated with the major systems of the human body.

**Performance criteria**

- 2.1 Common diseases and disorders of the skeletal system are identified, and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – scoliosis, kyphosis, lordosis, ankylosing spondylitis, herniated disc, spina bifida, osteoporosis, osteoarthritis, rheumatoid arthritis, Paget's disease, osteomyelitis, rickets, neoplasm.
- 2.2 Common diseases and disorders of the muscular system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – tenosynovitis, hypotonia, hypertonia, muscular atrophy, repetitive stress injury or strain, shin splint syndrome, torticollis, fibromyalgia, muscular dystrophy, myasthenia gravis, tout, neoplasm.
- 2.3 Common diseases and disorders of the cardiovascular system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – thrombus, embolus, coronary artery disease, haemorrhage, thrombosis, anaemia, septicaemia, leukaemia, pericarditis, endocarditis, angina, myocardial infarction, rheumatic fever, congestive heart failure, valve disease, atherosclerosis, arteriosclerosis, arrhythmia, syncope (faint), hypertension, hypotension, aneurysm, hypothermia, varicose veins, haemorrhoids, phlebitis, Raynaud's disease, chilblains, vasospasm, polycythaemia.

- 2.4 Common diseases and disorders of the respiratory system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – dyspnoea, hypoxaemia, tachypnoea, asthma, hay fever, bronchitis, croup, emphysema, laryngitis, pleurisy, pneumothorax, tuberculosis, pulmonary embolism, cystic fibrosis, asphyxia, chronic obstructive respiratory disease, neoplasm.
- 2.5 Common diseases and disorders of the digestive system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – dental caries, periodontal disease, parotitis, gastroenteritis, jaundice, peritonitis, hiatus, hernia, peptic ulcer, oesophageal varices, appendicitis, pancreatitis, diverticulitis, ulcerative colitis, Crohn’s disease, hepatitis, cirrhosis, gallstones, irritable bowel syndrome, haemorrhoids, anorexia, neoplasm.
- 2.6 Common diseases and disorders of the urinary system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – urinary tract infection, polycystic disease, diabetes insipidus, incontinence, renal calculi, glomerulonephritis, acute renal failure, chronic renal failure, nephrotic syndrome, prostatitis, neoplasm, benign prostatic hypertrophy.
- 2.7 Common diseases and disorders of the lymphatic and immune systems are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – metastases, acquired immune deficiency syndrome (AIDS), human immunodeficiency virus (HIV), infectious mononucleosis, chronic fatigue syndrome, hypersensitivity (allergy), Hodgkin’s disease, anaphylactic shock, lymphoma, lymphoedema, candidiasis.
- 2.8 Common diseases and disorders of the endocrine system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – acromegaly, dwarfism, gigantism, cretinism, myxoedema, Grave’s disease, hyperthyroidism, hypothyroidism, goitre, Addison’s disease, Cushing’s syndrome, adrenogenital syndrome, aldosteronism, diabetes mellitus, diabetes insipidus, neoplasm.

- 2.9 Common diseases and disorders of the nervous system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – concussion, open and closed head injury, cerebrovascular accident (CVA), extradural and subdural haemorrhage, Alzheimer’s disease, brain tumour, cerebral palsy, Parkinson’s disease, multiple sclerosis, Huntington’s disease, Bell’s palsy, neuralgia, sciatica, headache, dyslexia, epilepsy, shingles, poliomyelitis, meningitis, encephalitis, tetany, spina bifida, hydrocephalus, spinal shock.
- 2.10 Common diseases and disorders of the sensory nervous system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – glaucoma, cataract, retinopathy, strabismus, ptosis, myopia, hyperopia, presbyopia, astigmatism, blepharitis, conjunctivitis, otitis media, impacted cerumen, Meniere’s syndrome, tinnitus, vertigo, loss of skin sensation, pain, referred pain, agnosia, sinusitis, epistaxis.
- 2.11 Common diseases and disorders of the integumentary system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – eczema, psoriasis, dermatitis, hives, erythema nodosum, skin cancer, acne, fungal infection, bacterial infection, pruritus, rosacea, keratosis, lentigines, verrucae, abscess, ulcer, scabies, impetigo, rashes of childhood, infectious diseases.
- 2.12 Common diseases and disorders of the sexual and reproductive system are identified and their pathology described.
- Range three diseases, three disorders;  
common diseases and disorders may include – ectopic pregnancy, fibroids, polyps, endometriosis, vaginitis, amenorrhoea, menorrhagia, dysmenorrhoea, pre-menstrual syndrome, infertility, pelvic inflammatory disease, prostatitis, epididymitis, benign prostatic hyperplasia, cryptorchidism, azoospermia, oligospermia, non-ejaculation, impotence, cancer of reproductive system, breast infection, mastitis, breast abscess, non-malignant breast lump, sexually transmitted diseases.

<b>Planned review date</b>	31 December 2026
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 October 2000	31 December 2012
Revision	2	19 May 2004	31 December 2012
Review	3	20 March 2008	31 December 2012
Review	4	20 September 2012	31 December 2023
Rollover and Revision	5	26 September 2019	31 December 2023
Review	6	30 September 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0024
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Careerforce [info@careerforce.org.nz](mailto:info@careerforce.org.nz) if you wish to suggest changes to the content of this unit standard.