

Title	Describe the human urinary system		
Level	4	Credits	2

Purpose	People credited with this unit standard can describe: <ul style="list-style-type: none"> the structure and function of the human urinary system; and the formation, composition, regulation, storage, and excretion of urine.
----------------	---

Classification	Health, Disability, and Aged Support > Core Health
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- 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.
- Reference**
 Marieb, E.N. (2017). *Essentials of human anatomy and physiology, Global Edition* (12th ed.). Harlow, United Kingdom: Pearson Education Limited.

Outcomes and performance criteria

Outcome 1

Describe the structure and function of the human urinary system.

Performance criteria

- The overall function of the urinary system is described.

Range water balance, electrolyte balance, removal of waste products.
- The structure, location and function of the organs of the urinary system are described.

Range kidneys, ureters, bladder, urethra.

1.3 The structure of the nephron is described.

Range nephron – glomerular/Bowman's capsule, proximal convoluted tubule, loop of Henle, distal convoluted tubule, collecting duct; blood vessels – afferent arteriole, glomerulus, efferent arteriole, peritubular capillaries.

Outcome 2

Describe the formation, composition, regulation, storage, and excretion of urine.

Performance criteria

2.1 The formation of urine in the nephron is described.

Range filtration, selective re-absorption, secretion.

2.2 The composition of normal urine is described.

Range appearance, odour, specific gravity, pH, volume, constituents.

2.3 Regulation of the volume of urine produced is described.

Range antidiuretic hormone, aldosterone.

2.4 The storage and excretion of urine is described.

Range bladder, reflex and conscious nerve impulses, urethral sphincters, bladder and abdominal muscles.

Planned review date	31 December 2026
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 October 1998	31 December 2012
Review	2	26 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

Consent and Moderation Requirements (CMR) reference	0024
--	------

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 if you wish to suggest changes to the content of this unit standard.