

<b>Title</b>	<b>Demonstrate knowledge of the management of patients with acute diabetic emergency symptoms in an ambulance context</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is intended for people who are working in an ambulance context, and who are responsible for developing management plans for patients, making appropriate decisions, and who need to be able to do this independently.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>– demonstrate knowledge of the structures and functions of the human body that relate to blood glucose regulation, for an ambulance context;</li> <li>– demonstrate knowledge of common acute diabetic emergencies, their signs, symptoms, and differential diagnoses, for an ambulance context; and</li> <li>– develop a management plan for a patient with acute diabetic emergency symptoms in an ambulance context.</li> </ul>
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<b>Classification</b>	Emergency Services > Ambulance
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Unit 29323, <i>Gather and record information to support patient assessment</i> , or demonstrate equivalent knowledge and skills.
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## Guidance Information

### 1 Definitions

*Ambulance context* – situations where emergency care is delivered in a variety of out-of-hospital environments. Out-of-hospital environments refer to any situation in which people require medical assistance outside of a controlled medical environment, such as a medical centre. These out-of-hospital environments include situations both in and away from an ambulance vehicle.

*Best practice* – for the purposes of this standard, a clinical technique or methodology that has proven to be most effective at delivering a desired outcome and is actively promoted across the ambulance and/or emergency care sector.

*Clinical procedures and guidelines* – the written procedures particular to each ambulance service and endorsed by Ambulance New Zealand.

*Standing orders* – written instructions issued by a medical practitioner that authorise individuals engaged in the delivery of health services to supply and administer certain medicines without a prescription in circumstances specified in the instruction.

## 2 References

Health and Disability Commissioner (Code of Health and Disability Services Consumers' Rights) Regulations 1996;  
and all subsequent amendments and replacements.

## 3 Range

Performance in relation to the outcomes in this unit standard is to comply with current clinical procedures and guidelines and/or standing orders and/or current best practice and be appropriate to the patient's condition.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the structures and functions of the human body that relate to blood glucose regulation, for an ambulance context.

#### Performance criteria

1.1 Describe the location and structure of the parts of the human body that relate to blood glucose regulation according to their functions.

Range includes but is not limited to – pancreas, liver, skeletal muscle, blood-brain barrier.

1.2 Describe the functions of blood glucose regulation according to physiological processes.

### Outcome 2

Demonstrate knowledge of common acute diabetic emergencies, their signs, symptoms, and differential diagnoses, for an ambulance context.

#### Performance criteria

2.1 Describe common acute diabetic emergency conditions according to their pathophysiology.

Range includes but is not limited to – hypoglycaemia, hyperglycaemia.

2.2 Describe signs and symptoms of common acute diabetic emergencies.

2.3 Describe differential diagnoses for common acute diabetic emergency symptoms.

### Outcome 3

Develop a management plan for a patient with acute diabetic emergency symptoms in an ambulance context.

**Performance criteria**

- 3.1 Describe the general management steps for patients with acute diabetic emergency symptoms.
- 3.2 Describe specific therapies used in the management of patients with acute diabetic emergency symptoms.
- 3.3 Develop, explain, and justify a management plan for a patient with acute diabetic emergency symptoms.

<b>Planned review date</b>	31 December 2021
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	22 August 2008	31 December 2019
Review	2	5 May 2016	N/A
Revision	3	25 July 2019	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0121
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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 The Skills Organisation [reviewcomments@skills.org.nz](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.