

## Appendix H

## Test Scenarios for MTS and ESI

### MTS Test Scenarios

#### Scenario 1

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	Inadequate
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	N/A
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	N/A
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	N/A
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	N/A
<b>Severity level</b>	Immediate

#### Scenario 2

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	Acute
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	N/A
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	Normal
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	N/A
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	Yes, shortness of breath
<b>Severity level</b>	Very Urgent

#### Scenario 3

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	Normal
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	Moderate (6/10)
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	Normal
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	Recent
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	N/A
<b>Severity level</b>	Urgent

**Scenario 4**

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	N/A
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	Moderate (5/10)
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	N/A
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	N/A
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	N/A
<b>Severity level</b>	Urgent

**Scenario 5**

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	N/A
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	N/A
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	N/A
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	N/A
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	Problem with toe and foot
<b>Severity level</b>	Standard

**Scenario 6**

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	Normal
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	N/A
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	Normal
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	N/A
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	Shows signs of fever
<b>Severity level</b>	Standard

**Scenario 7**

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	Normal
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	Moderate (6/10)
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	Normal
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	None
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	Recent spotting
<b>Severity level</b>	Urgent

**Scenario 8**

<b>Airway compromised?</b>	Yes
<b>Breathing state (Normal/Inadequate/Acute)</b>	Inadequate
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	N/A
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	Normal
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	N/A
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	N/A
<b>Severity level</b>	Immediate

**Scenario 9**

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	Normal
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	Mild (4/10)
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	Normal
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	Recent vomiting
<b>Significant cardiac history?</b>	N/A
<b>Recent problem?</b>	N/A
<b>Severity level</b>	Standard

**Scenario 10**

<b>Airway compromised?</b>	N/A
<b>Breathing state (Normal/Inadequate/Acute)</b>	Acute
<b>Shock</b>	N/A
<b>Pain (Minor/Moderate/Severe)</b>	Severe (10/10)
<b>Cardiac pain</b>	N/A
<b>Pulse (Normal/Abnormal)</b>	Abnormal
<b>Pleuritic pain</b>	N/A
<b>Vomiting (None/Recent)</b>	Recent vomiting
<b>Significant cardiac history?</b>	Yes, heart attack 6 years ago
<b>Recent problem?</b>	N/A
<b>Severity level</b>	Very Urgent

## ESI Test Scenarios

### Scenario 1

<b>Age</b>	18
<b>Gender</b>	Female
<b>Respiratory rate</b>	10
<b>SaO2</b>	86%
<b>Requires life-saving intervention?</b>	Yes
<b>Requires resources</b>	Many
<b>Notes</b>	Lethargic
	Past history of depression
	Superficial lacerations to both wrists
	Vitals in danger zones
<b>Severity level</b>	Immediate

### Scenario 2

<b>Age</b>	56
<b>Gender</b>	Male
<b>Respiratory rate</b>	16
<b>Heart rate</b>	76
<b>Blood pressure</b>	128/84
<b>Temperature</b>	36.1 degrees C
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	None
<b>Notes</b>	Showing signs of pre-hypertension
	Not confused, in pain, or in a high-risk situation
	Other vitals are normal
<b>Severity level</b>	Delayed

### Scenario 3

<b>Age</b>	32
<b>Gender</b>	Female
<b>Respiratory rate</b>	32
<b>Heart rate</b>	96
<b>Blood pressure</b>	126/80
<b>Temperature</b>	37 degrees C
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	Many
<b>Notes</b>	Showing signs of distress (shortness of breath)
	Showing signs of pre-hypertension
	Other vitals are normal
<b>Severity level</b>	Very Urgent

**Scenario 4**

<b>Age</b>	7
<b>Gender</b>	Male
<b>Respiratory rate</b>	22
<b>Heart rate</b>	88
<b>Blood pressure</b>	84/60
<b>SaO2</b>	100%
<b>Temperature</b>	38 degrees C
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	Many
<b>Notes</b>	In severe pain (6/10)
	Showing signs of lethargy
	Vomits at triage
<b>Severity level</b>	Very Urgent

**Scenario 5**

<b>Age</b>	58
<b>Gender</b>	Female
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	One
<b>Notes</b>	Level of pain: 5/10
	Not in a high-risk situation
	Not confused, lethargic, or disoriented
	Other vitals are normal
<b>Severity level</b>	Minor

**Scenario 6**

<b>Age</b>	60
<b>Gender</b>	Male
<b>Respiratory rate</b>	18
<b>Heart rate</b>	82
<b>Blood pressure</b>	146/70
<b>SaO2</b>	99%
<b>Temperature</b>	37.4 degrees C
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	Many
<b>Notes</b>	Right foot hurts, tender to touch and red
	Not in a high-risk situation
	Other vitals are normal
<b>Severity level</b>	Urgent

**Scenario 7**

<b>Age</b>	29
<b>Gender</b>	Female
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	None
<b>Notes</b>	Stepped on rusty nail
	No known drug allergies and no medications
	Vitals are unknown
	Not in a high-risk situation
	Not in severe pain or in distress
<b>Severity level</b>	Delayed

**Scenario 8**

<b>Age</b>	19
<b>Gender</b>	Female
<b>Respiratory rate</b>	24
<b>Heart rate</b>	92
<b>Blood pressure</b>	122/80
<b>SaO2</b>	100%
<b>Temperature</b>	38.7 degrees C
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	Many
<b>Notes</b>	High temperature
	Not in a high-risk situation
	Other vitals are normal
<b>Severity level</b>	Very Urgent

**Scenario 9**

<b>Age</b>	56
<b>Gender</b>	Female
<b>Respiratory rate</b>	16
<b>Heart rate</b>	86
<b>Blood pressure</b>	148/90
<b>SaO2</b>	100%
<b>Temperature</b>	36.7 degrees C
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	Many
<b>Notes</b>	Aching pain in leg
	Not in a high-risk situation
	Not confused, lethargic, or disoriented
<b>Severity level</b>	Urgent

**Scenario 10**

<b>Age</b>	33
<b>Gender</b>	Female
<b>Respiratory rate</b>	14
<b>Heart rate</b>	76
<b>Blood pressure</b>	126/70
<b>Temperature</b>	36.7 degrees C
<b>Requires life-saving intervention?</b>	No
<b>Requires resources</b>	Many
<b>Notes</b>	Showing signs of distress
	Experiences belly pain and vomiting
	Other vitals are normal
<b>Severity level</b>	Urgent