

2016

St. John Ambulance OMFRC Competition First Aid Challenge

TEAM SCENARIO

Scenario 1 –“Winter Wipeout”

Background Scenario

You and your team are Providing First Aid Services at the local “Winter Wonderland” winter festival. It is a cold, March morning (-15) and your team is on site at the snow mobile races taking place in a forest path and large field.

In the final turn out of the forest, you suddenly see a single snow mobile travelling at a high rate of speed that goes off track and begins to flip in the air. The driver and passenger both go flying through the air before landing against a heavy wooden fence.

You have 20 minutes to complete the scenario, Good Luck!!

There will be a 3 minute warning to signify the end of the primary survey.

There will also be a 2 minute remaining warning to signify the end of the problem.

**THIS PAGE IS GIVEN TO TEAMS AT THE
BEGINNING OF THE SCENARIO**

CASUALTY SIMULATORS INFORMATION –
(BACKGROUND – NOT TO BE SHARED WITH COMPETITORS)

Scenario : “Winter Wipeout”



Total Patients: 2 people – 1 Driver and 1 passenger of a snow mobile, both dressed in snow suits. Driver is wearing a helmet. Passenger is NOT wearing a helmet.

There is a snow mobile race that during the last length of the race, a single snowmobile with a driver and passenger goes off track and flips through the air. The driver and passenger are thrown and land near a large fence post.

Driver is located supine (on their back) laying parallel right beside the fence. Passenger is found lying prone (face down) without a helmet on, heavily breathing with major facial trauma and blood in a large puddle under the head.

NOTE:

- There will be a 3 minute warning to the judges to signify the end of the primary survey.
- There will also be a 2 minute remaining signal for the team’s benefit.

PROPS (Per Scenario/Team)

- 2 patients;
 - 1 (Driver) wearing snow suit and a snowmobile helmet,
 - 1 (passenger) wearing a snow suit.
- Snowmobile helmet x1 (for driver)
- Fence (table turned on its side or wall)
- Large volume of blood for facial injury on passenger
- PCRs and pens

CASUALTY SIMULATORS INFORMATION ~ “Winter Wipeout”

Casualty 1 – Driver:(lying supine parallel directly beside fence, conscious)



Information	Casualty Simulation Required
<ul style="list-style-type: none"> Conscious Driver of snowmobile remembers the race and coming out the forest. Believes the steering in the snowmobile broke in the final turn. 	<ul style="list-style-type: none"> Ensure patient is aware of situation and personal SAMPLE. Patient wearing helmet and snow suit.
<ul style="list-style-type: none"> Possible Spinal Injury 	<ul style="list-style-type: none"> Tenderness to the neck on palp. Light bruising to the back of neck
<ul style="list-style-type: none"> Possible fractured Right wrist 	<ul style="list-style-type: none"> Swelling and discolouration to the right wrist. Pain on palp, unable to move fingers.
<ul style="list-style-type: none"> Shock 	<ul style="list-style-type: none"> Pale, cool, sweaty skin

HISTORY:

- You were driving the snowmobile in the race and noticed that the steering of your machine wasn't responding as normal (hard to steer). You and your passenger had just left the forest trail for the finish line in the middle of the field when you went to make the final curve and the steering would not respond. Your machine left the path and went over a bank – launching the machine into the air. You landed with your back against the fence and fell to the ground where you are laying currently.
- You are concerned over your passenger (friend) because you saw them fly head first into the fence before being thrown backwards again. You can hear them having a hard time breathing and are very concerned.

VITAL SIGNS:

	1 st SET	2 nd SET
RESP.	24 shallow & Moaning	22 shallow and regular
PULSE	122 Weak & Rapid	94 Weak & Rapid
B/P	154/86	135/76
SKIN	Pale, cool, clammy	Pale, cool, clammy
LOC	Conscious	Conscious
PUPILS	Equal & Reactive	Equal & Reactive

SAMPLE:

Allergies: None
Medications:None
Past Medical History: None
Last meal: 2 Hours ago (Breakfast)

CASUALTY SIMULATORS INFORMATION ~ “Winter Wipeout”

Casualty 2 – Passenger (Lying prone, NO helmet, Unconscious, Airway issue)



Information	Casualty Simulation Required
<ul style="list-style-type: none"> Unconscious passenger of the snow mobile with significant facial trauma and airway compromise. 	<ul style="list-style-type: none"> Explain to casualty about being able to breath deeply and making gurgling sounds though out scenario. Explain that AMFR/PRO teams may state an oral airway however they will be stopped for inserting into the real casualty. Explain that the teams may provide BVM ventilations for this patient and that they need not panic. Simulators may want to demonstrate this skill to the patient as to not become upset during actual scenario.
<ul style="list-style-type: none"> Possible Spinal Injury 	<ul style="list-style-type: none"> No Simulation required.
<ul style="list-style-type: none"> Facial Trauma 	<ul style="list-style-type: none"> Moderate facial trauma, unrecognizable structures of the face (tape eyes shut before adding simulation if needed to avoid blood in the eyes.) Moderate bleeding/ clotted blood on face.
<ul style="list-style-type: none"> Shock 	<ul style="list-style-type: none"> Pale Skin (simulate first before adding facial injuries as to have the paleness extend beyond the limits of the facial injury simulation)

VITAL SIGNS:

	1 st SET	2 nd SET
RESP.	36 Deep & Gurgling / Snoring	40 Deep & Gurgling/ Snoring
PULSE	130 bounding	124 bounding
B/P	198/122	164/66
SKIN	Pale, cool, clammy	Pale, cool, clammy
LOC	Unconscious	Unconscious

SAMPLE:

**Patient Is not wearing a medical alert
Unknown SAMPLE**

<p>S-A-M-P-L-E Signs and Symptoms Allergies Medications Past Medical History Last Oral Intake Events leading up to the illness or injury</p>

**2016
OMFRC ZONE Challenge – YOUTH/ SFA Level**

***“Winter Wipeout”* TEAM SCENARIO**

Team Number _____ **Unit:** _____

Team Member #1 _____

Team Member #2 _____

Team Member #3 _____

Team Member #4 _____

Judges’ Names: _____ **&** _____

<u>Casualty 1 – “Snowmobile Driver”:</u>	
Page 6- Primary Survey	(Possible 150) Sub-Total _____
Page 7 - Secondary Survey	(Possible 270) Sub-Total _____
Page 8 -Tx, Shock & General	(Possible 190) Sub-Total _____
Page 9 - Recording	(Possible 210) Sub-Total _____
Casualty 1	(Possible 820) Total _____

<u>Casualty 2 – “Passenger”:</u>	
Page 10 - Primary Survey	(Possible 230) Sub-Total _____
Page 11 - Secondary Survey	(Possible 260) Sub-Total _____
Page 12– Care, Shock & General	(Possible 170) Sub-Total _____
Page 13 - Recording	(Possible 230) Sub-Total _____
Casualty 2	(Possible 890) Total _____

Total Points Awarded Casualty1 & 2 (Possible 1,710)	
---	--

CASUALTY 1 – “Snowmobile Driver” TEAM

SCENE / PRIMARY SURVEY:			P O I N T S	N O T D O N E
This section is active for the first 3 minutes of the scenario only. During these first 3 minutes, the competitor may perform the actions that are both listed here and in the Secondary Survey. After the 3 minutes, the competitor is eligible to receive marks only in the Secondary Survey and no marks may be awarded in this Primary Survey. <i>Actions in this section may be done in any order.</i>		A/S		
1.1	Did First Aider take charge of the situation?	S	10	0
1.2	Did First Aider I.D. self and obtain consent?	A/S	10	0
1.3	Did First Aider wear protective gloves?	A/S	10	0
1.4	Did First Aider call out for help?	S	10	0
1.5	Were hazards assessed? <i>(snowmobile away/ turned off)</i>	S	10	0
1.6	Did Team determine any other casualties? <i>(1 other)</i>	A	10	0
1.7	Did Team determine/state the mechanism of injury? (struck/fence)	A	10	0
1.8	Did the team rule in C-Spine/ control the head/neck immediately?	S	10	0
1.9	Did Team assess responsiveness <i>(Conscious/ Talking)</i>	A/S	10	0
1.10	Did Team assess airway? <i>(Open)</i>	A/S	10	0
1.11	Did Team assess breathing? <i>(24 shallow/ Regular)</i>	A/S	10	0
1.12	Did Team assess the casualty’s circulation – skin/ temp? <i>(cool, pale & sweaty)</i>	A	10	0
1.13	Did Team perform a rapid body survey? <i>(No bleeding)</i>	A	10	0
1.14	Did Team activate EMS?	A/S	10	0
1.15	Did the team activate police? <i>(Vehicle crash)</i>	A/S	10	0
PRIMARY SURVEY SUB-TOTAL(/150)				

CASUALTY 1 – “Snowmobile Driver” TEAM

SECONDARY SURVEY: Actions in this section may be performed by the competitor in the first 3 minutes of the scenario as well as the Primary Survey . After the first 3 minutes have passed, this is the only section that points shall be awarded to.		A/S	P O I N T S	N O T D O N E
Actions in this section may be done in any order.				
2.0	HISTORY OF THE CASUALTY:			
2.1	Did the team ask about SYMPTOMS? <i>(pain in neck/ arm)</i>	A/S	10	0
2.2	Did the team ask if casualty has any ALLERGIES? <i>(none)</i>	S	10	0
2.3	Did the team ask about MEDICATIONS? <i>(none)</i>	S	10	0
2.4	Did the team ask past MEDICAL HISTORY? <i>(none)</i>	S	10	0
2.5	Did the team ask LAST ORAL INTAKE? <i>(2 Hours ago)</i>	S	10	0
2.6	Did the team determine how the incident happened/ HISTORY?	S	10	0
3.0	CASUALTY’S VITAL SIGNS ASSESSMENT			
3.1	Did the team determine Level of Consciousness? <i>(Conscious)</i>	A/S	10	0
3.2	Did the team assess Respiration? <i>(24 shallow & moaning)</i>	A	10	0
3.3	Did the team assess Pulse? <i>(122 weak & Rapid)</i>	A	10	0
3.4	Did the team assess Skin Condition & Temperature? <i>(pale, cool& Sweaty)</i>	A	10	0
3.5	Did the team assess Pupils? <i>(Equal & reactive)</i>	A	10	0
4.0	HEAD TO TOE EXAMINATION			
4.1	Check scalp? <i>(no deformity)</i>	A	10	0
4.2	Check eyes? <i>(equal& reactive)</i>	A	10	0
4.3	Check nose? <i>(no findings)</i>	A	10	0
4.4	Check mouth? <i>(no findings)</i>	A	10	0
4.5	Check jaw? <i>(no findings)</i>	A	10	0
4.6	Check ears? <i>(no findings)</i>	A	10	0
4.7	Check neck? <i>(bruising and tenderness)</i>	A	10	0
4.8	Check collarbones? <i>(no deformity)</i>	A	10	0
4.9	Check shoulders? <i>(no deformity)</i>	A	10	0
4.10	Check both arms/hands? <i>(swelling and bruise right wrist)</i>	A	10	0
4.11	Check chest <i>(no findings)</i>	A	10	0
4.12	Check abdomen? <i>(no findings)</i>	A	10	0
4.13	Check back? <i>(no deformity)</i>	A	10	0
4.14	Check pelvis? <i>(no deformity)</i>	A	10	0
4.15	Check both legs? <i>(no deformity)</i>	A	10	0
4.16	Check both ankles and feet? <i>(no deformity)</i>	A	10	0
SECONDARY SURVEY SUB-TOTAL(/270)				

CASUALTY 1 – “Snowmobile Driver” TEAM #

9.0	RECORDING			
9.1	Was the Incident date and time recorded?	A	10	0
9.2	Was the casualty's information recorded?	A	10	0
9.3	Was an accurate incident history recorded?	A	10	0
9.4	Was the lack of allergies recorded?	A	10	0
9.5	Was the lack of use of medications recorded?	A	10	0
9.6	Was the lack of medical history recorded?	A	10	0
9.7	Was the last meal (2 hours ago) recorded?	A	10	0
9.8	Was the suspected head and neck injury recorded?	A	10	0
9.9	Was the support for the head and neck recorded?	A	10	0
9.10	Was the suspected right wrist fracture recorded?	A	10	0
9.11	Was the right arm circulation recorded?	A	10	0
9.12	Was the Splint, bandages and sling for Right wrist recorded?	A	10	0
9.13	Was the application of Ice to arm recorded?	A	10	0
	<i>Vital Signs Note: If no time recorded, then no mark. Please check numbers for accuracy to judges corrected numbers</i>			
9.14	Was the 1 st vital signs LOC recorded?	A	5	0
9.15	Was the 1 st vital signs Respiration recorded?	A	5	0
9.16	Was the 1 st vital signs Pulse recorded?	A	5	0
9.17	Was the 1 st vital signs Skin & Temperature recorded?	A	5	0
9.18	Was the 1 st vital sign pupils recorded?	A	5	0
9.19	Was the 2 nd vital signs LOC recorded?	A	5	0
9.20	Was the 2 nd vital signs Respiration recorded?	A	5	0
9.21	Was the 2 nd vital signs Pulse recorded?	A	5	0
9.22	Was the 2 nd vital signs Skin & Temperature recorded?	A	5	0
9.23	Was the 2 nd vital sign pupils recorded?	A	5	0
9.24	Was notification of EMS recorded?	A	10	0
9.25	Was notification of Police recorded?	A	10	0
9.26	Was the name(s) of the first aid team legibly recorded?	A	10	0
RECORDING SUB-TOTAL(/210)				

CASUALTY 2 – “Passenger”

TEAM

SCENE / PRIMARY SURVEY: This section is active for the first 3 minutes of the scenario only. During these first 3 minutes, the competitor may perform the actions that are both listed here and in the Secondary Survey. After the 3 minutes, the competitor is eligible to receive marks only in the Secondary Survey and no marks may be awarded in this Primary Survey. <i>Actions in this section may be done in any order.</i>		A/S	P O I N T S	N O T D O N E
1.1	Did the team take charge of the situation?	S	10	0
1.2	Did the team I.D. self and obtain consent to help? <i>(implied)</i>	A/S	10	0
1.3	Did the team wear protective gloves?	A/S	10	0
1.4	Did the team call out for help from by-standers?	S	10	0
1.5	Were hazards assessed? <i>(blood around head)</i>	A/S	10	0
1.6	Did the team determine any other casualties? <i>(1 other)</i>	A/S	10	0
1.7	Did the team assess responsiveness? <i>(Unconscious)</i>	S	10	0
1.8	Did the team log roll the patient onto back for assessment?	A	10	0
1.9	Did the Team OPEN the airway?	A/S	20	0
1.10	Did the team assess airway? <i>(Airway open)</i>	A/S	10	0
1.11	Did the team assess breathing for 5-10 sec.? <i>(36 Gurgling)</i>	A/S	10	0
1.12	Did the team use pocket mask providing assisted ventilations?	A	20	0
1.13	Did the team use 1 ventilation every 5-6 seconds as rate?	A	20	0
1.14	Did the team use an appropriate volume? <i>(just enough the make the chest rise and fall)</i>	A/S	20	0
1.15	Did Team assess the casualty's circulation – skin/ temp? <i>(cool, pale & sweaty)</i>	A	10	0
1.16	Did Team perform a rapid body survey? <i>(facial trauma)</i>	A	10	0
1.17	Did Team attempt to control facial trauma bleeding?	A	10	0
1.18	Did Team activate EMS?	A/S	10	0
1.19	Did the team activate police? <i>(Vehicle crash)</i>	A/S	10	0
PRIMARY SURVEY SUB-TOTAL (/230)				

CASUALTY 2 – “Passenger”

TEAM

SECONDARY SURVEY: Actions in this section may be performed by the competitor in the first 3 minutes of the scenario as well as the Primary Survey . After the 3 first minutes, this is the only section that points shall be awarded to.		A/S	P O I N T S	N O T D O N E
Actions in this section may be done in any order.				
2.0	HISTORY OF THE CASUALTY:			
2.1	Did the team look for medical alert? <i>(none)</i>	A/S	10	0
2.2	Did the team ask if casualty has any ALLERGIES? <i>(unknown)</i>	S	10	0
2.3	Did the team ask about MEDICATIONS? <i>(unknown)</i>	S	10	0
2.4	Did the team ask past MEDICAL HISTORY? <i>(unknown)</i>	S	10	0
2.5	Did the team ask LAST ORAL INTAKE? <i>(unknown)</i>	S	10	0
2.6	Did the team determine how the incident happened/ HISTORY?	S	10	0
3.0	CASUALTY’S VITAL SIGNS ASSESSMENT			
3.1	Did the team determine Level of Consciousness? <i>(Unconscious)</i>	A/S	10	0
3.2	Did the team assess Respiration? <i>(36 Deep, Gurgling/Snoring)</i>	A	10	0
3.3	Did the team assess Pulse? <i>(130 bounding)</i>	A	10	0
3.4	Did the team assess Skin Condition & Temperature? <i>(pale, cool& Sweaty)</i>	A	10	0
4.0	HEAD TO TOE EXAMINATION			
4.1	Check scalp? <i>(no deformity)</i>	A	10	0
4.2	Check eyes? <i>(major trauma)</i>	A	10	0
4.3	Check nose? <i>(major trauma)</i>	A	10	0
4.4	Check mouth? <i>(major trauma)</i>	A	10	0
4.5	Check jaw? <i>(major trauma)</i>	A	10	0
4.6	Check ears? <i>(no findings)</i>	A	10	0
4.7	Check neck? <i>(no findings)</i>	A	10	0
4.8	Check collarbones? <i>(no deformity)</i>	A	10	0
4.9	Check shoulders? <i>(no deformity)</i>	A	10	0
4.10	Check both arms/hands? <i>(no findings)</i>	A	10	0
4.11	Check chest <i>(no findings)</i>	A	10	0
4.12	Check abdomen? <i>(no findings)</i>	A	10	0
4.13	Check back? <i>(no deformity)</i>	A	10	0
4.14	Check pelvis? <i>(no deformity)</i>	A	10	0
4.15	Check both legs? <i>(no deformity)</i>	A	10	0
4.16	Check both ankles and feet? <i>(no deformity)</i>	A	10	0
SECONDARY SURVEY SUB-TOTAL(/260)				

CASUALTY 2 – “Passenger”

TEAM

First aid treatment and Continuing Care: Actions in this section may be performed by the competitor in the first 3 minutes of the scenario as well as the Primary Survey . After the 3 first minutes, this is the only section that points shall be awarded to. Actions in this section may be done in any order		A/S	P O I N T S	N O T D O N E
5.0	AIRWAY CARE:			
5.1	Did the team maintain airway (opening) maneuver throughout?	A	20	0
5.2	Did the team provide UNINTURPTED ventilatory support?	A	20	0
5.3	Did the team maintain a steady 1 every 5-6 seconds rate?	A	20	0
6.0	SPINAL IMMOBILIZATION:			
6.1	Did the team Maintain head and neck alignment (no side to side movement) throughout?	A/S	20	0
6.2	Did team warn the patient not to move?	A	20	0
7.0	SHOCK AND GENERAL			
7.1	Was casualty covered “over” to lessen shock?	A	10	0
7.2	Was casualty reassured as to their own wellbeing?	A	10	0
7.3	Was LOC reassessed? 2nd set (unconscious)	A/S	10	0
7.4	Was respiration reassessed? 2ndset(40 deep, gurgling/snoring)	A	10	0
7.5	Was pulse reassessed? 2nd set (124 bounding)	A	10	0
7.6	Was skin reassessed? 2nd set (pale, cool, sweaty)	A	10	0
8.0	PERSONAL PRTECTIVE EQUIPMENT			
8.1	Were gloves effective? (torn gloves must be replaced)	A	10	0
TREATMENT/CARE SUB-TOTAL(/170)				

CASUALTY 2 – “Passenger”

TEAM

9.0	RECORDING			
9.1	Was the Incident date and time recorded?	A	10	0
9.2	Was the casualty’s information recorded?	A	10	0
9.3	Was an accurate incident history recorded?	A	10	0
9.4	Was the Airway compromise and/or initial rate recorded?	A	10	0
9.5	Was the use of airway opening maneuver recorded?	A	10	0
9.6	Was the pocket mask/barrier device use recorded?	A	10	0
9.7	Was the assisted ventilations rate recorded? (1: 5-6sec)	A	10	0
9.8	Was the major facial trauma noted appropriately?	A	10	0
9.9	Was the bandaging of facial trauma noted?	A	10	0
9.10	Was the suspected head and neck injury recorded?	A	10	0
9.11	Was the maintenance of support (no side to side) recorded?	A	10	0
9.12	Was the lack of medical alert device recorded?	A	10	0
9.13	Was the unknown allergies recorded?	A	10	0
9.14	Was the unknown use of medications recorded?	A	10	0
9.15	Was the unknown medical history recorded?	A	10	0
9.16	Was the unknown last meal recorded?	A	10	0
	<i>Vital Signs Note: If no time recorded, then no mark. Please check numbers for accuracy to judges corrected numbers.</i>			
9.17	Was the 1 st vital signs LOC recorded?	A	5	0
9.18	Was the 1 st vital signs Respiration recorded?	A	5	0
9.19	Was the 1 st vital signs Pulse recorded?	A	5	0
9.20	Was the 1 st vital signs Skin & Temperature recorded?	A	5	0
9.21	Was the 2 nd vital signs LOC recorded?	A	5	0
9.22	Was the 2 nd vital signs Respiration recorded?	A	5	0
9.23	Was the 2 nd vital signs Pulse recorded?	A	5	0
9.24	Was the 2 nd vital signs Skin & Temperature recorded?	A	5	0
9.25	Was notification of EMS recorded?	A	10	0
9.26	Was notification of Police recorded?	A	10	0
9.27	Was the name(s) of the first aid team legibly recorded?	A	10	0
RECORDING SUB-TOTAL(/230)				