



NON-HOSPITAL MEDICAL AND SURGICAL FACILITIES
ACCREDITATION PROGRAM

Accreditation Standards

Class 2 IV Sedation/Analgesia Facility
Emergency Cart



NON-HOSPITAL MEDICAL AND SURGICAL FACILITIES ACCREDITATION PROGRAM

Accreditation Standards

Class 2 IV Sedation/Analgesia Facility Emergency Cart

INTRODUCTION

In accordance with the NHMSFAP Emergency Preparedness accreditation standard, non-hospital facilities are required to have an emergency cart that is stocked with emergency medications and equipment appropriate to the class of the facility. The emergency cart must be portable and located in a common patient care area. In addition, the emergency cart medications and equipment must be within their labelled expiry date, accessible and organized.

Class 2 facilities are required to be equipped to provide first-line treatment in accordance with current Heart and Stroke Foundation of Canada Guidelines for Advanced Cardiac Life Support (ACLS). Facilities with anesthesiologists on staff must also ensure that the emergency cart is stocked with any additional emergency medications, equipment and supplies necessary, as determined by the anesthesiologists' professional judgement, to provide the level of treatment that would be reasonably expected of anesthesiologists in similar circumstances.

AEM1.0 EMERGENCY CART

AEM1.1	Emergency medications and equipment required of a class 2 facility are located on the emergency cart.
AEM1.1.1	M Self-inflating bag-valve-mask. <i>Guidance: This item should be stored on the top of the cart and be contained in a clear plastic bag to protect it from contamination during storage.</i>
AEM1.1.2	M Automated external defibrillator (AED) with lead II monitoring and print-out capability. <i>Guidance: AEDs with a built-in printer are loaded with recorder paper. AEDs that store information that can be transferred to an external device such as a computer or office printer through a USB device or wireless connection for printing are acceptable.</i>
AEM1.1.3	M AED pads. <i>Guidance: A minimum of two unopened sets of AED pads are stocked on the cart. The pads are within the manufacturer-labelled expiration date.</i>
AEM1.1.4	M Lead II monitoring cable. <i>Guidance: One ECG lead II monitoring cable that is compatible with the AED is stocked on the cart.</i>

AEM1.1.5	M	Electrodes. <i>Guidance: A supply of ECG electrode patches are stocked on the cart.</i>
AEM1.1.6	M	Emergency oxygen tanks with regulator and nipple attached. <i>Guidance: Two emergency oxygen tanks are required. At minimum, one tank must be safely secured to the emergency cart. The second may be in a wheeled stand located beside the emergency cart or in the immediate vicinity of the emergency cart and must be solely dedicated to the emergency cart. If the second oxygen tank is not secured to the emergency cart, then it is labelled "For Emergency Use Only" and not used for any other purpose.</i>
AEM1.1.7	M	Portable battery-operated suction with tonsil suction catheter attached.
AEM1.1.8	M	ACLS algorithms and drug information. <i>Guidance: Current advanced cardiac life support algorithm cards are located on the cart. These include cardiac arrest, acute coronary syndrome, pulseless electrical activity/asystole, ventricular fibrillation/pulseless ventricular tachycardia, bradycardia, tachycardia and suspected stroke.</i>
AEM1.1.9	M	CPR backboard.
AEM1.1.10	M	Clipboard with arrest forms and pen. <i>Guidance: The arrest forms are triplicate copies so that the original is retained by the facility and two copies follow the patient; one for emergency health services personnel and the other for the receiving hospital. While the use of carbonless copy paper is preferred, inserting carbon-paper between the original and each intended copy is also acceptable.</i>
AEM1.1.11	M	Stethoscope.
AEM1.1.12	M	Gloves. <i>Guidance: The box of clean gloves should be located on the top of the cart.</i>
AEM1.2		Emergency airway equipment required of a class 2 facility is located on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.2.1	M	Stylets. <i>Guidance: At minimum, two (2) stylets are stocked on the cart.</i>
AEM1.2.2	M	Laryngoscope handles. <i>Guidance: A minimum of two (2) functioning laryngoscope handles are stocked on the cart.</i>
AEM1.2.3	M	Laryngoscope standard blade # 3.
AEM1.2.4	M	Laryngoscope standard blade # 4.
AEM1.2.5	M	ET tubes size 6. <i>Guidance: Two (2) of each required size of ET tubes are stocked on the cart.</i>

AEM1.2.6	M	ET tubes size 7. <i>Guidance: Two (2) of each required size of ET tubes are stocked on the cart.</i>
AEM1.2.7	M	ET tubes size 8. <i>Guidance: Two (2) of each required size of ET tubes are stocked on the cart.</i>
AEM1.2.8	M	Supraglottic airway device size 3. <i>Guidance: Disposable supraglottic airway devices in sizes 3, 4 and 5 are stocked on the cart.</i>
AEM1.2.9	M	Supraglottic airway device size 4. <i>Guidance: Disposable supraglottic airway devices in sizes 3, 4 and 5 are stocked on the cart.</i>
AEM1.2.10	M	Supraglottic airway device size 5. <i>Guidance: Disposable supraglottic airway devices in sizes 3, 4 and 5 are stocked on the cart.</i>
AEM1.2.11	M	Oral airway size 8 cm. <i>Guidance: The oral airway is single-use.</i>
AEM1.2.12	M	Oral airway size 9 cm. <i>Guidance: The oral airway is single-use.</i>
AEM1.2.13	M	Oral airway size 10 cm. <i>Guidance: The oral airway is single-use.</i>
AEM1.2.14	M	ETT ties or tape. <i>Guidance: The ties and tape are single-use.</i>
AEM1.2.15	M	Syringe 10 mL. <i>Guidance: This syringe is located in the airway management drawer for inflation of the airway tube.</i>
AEM1.2.16	M	Magill forceps.
AEM1.2.17	M	Easy Cap CO2 detector.
AEM1.2.18	M	Tonsil suction catheter. <i>Guidance: At minimum, one (1) tonsil suction catheter (e.g. yankauer) is stocked on the cart in addition to the tonsil suction catheter attached to the portable suction.</i>
AEM1.2.19	M	Tracheal suction catheters. <i>Guidance: Two (2) tracheal suction catheters are stocked on the cart.</i>
AEM1.3		Emergency medications required of a class 2 facility are stocked on the emergency cart.
AEM1.3.1	M	Amiodarone. <i>Guidance: Must be in sufficient quantity to provide emergency care as outlined in the ACLS algorithms. Manufacturer pre-filled syringes are preferred.</i>

AEM1.3.2	M	ASA non-enteric coated. <i>Guidance: One (1) small bottle of chewable aspirin is stocked on the cart. The tablets are contained in the manufacturer's packaging/bottle.</i>
AEM1.3.3	M	Atropine. <i>Guidance: Must be in sufficient quantity to provide emergency care as outlined in the ACLS algorithms. Manufacturer pre-filled syringes are required.</i>
AEM1.3.4	M	Dextrose 50%. <i>Guidance: A minimum of two (2) 50 mL pre-filled syringes or vials (0.5 g/mL) totalling 50 grams are stocked on the cart. Manufacturer pre-filled syringes are preferred.</i>
AEM1.3.5	M	DiphenhydrAMINE. <i>Guidance: A minimum of two (2) vials/ampoules (50 mg/mL) totalling 100 mg are stocked on the cart.</i>
AEM1.3.6	M	ePHEDrine and/or phenylephrine. <i>Guidance: Either ephedrine or phenylephrine or both are stocked on the cart. If ephedrine is stocked, there are a minimum of two (2) vials (50 mg/vial) totalling 100 mg stocked on the cart. If phenylephrine is stocked, there are a minimum of two (2) vials (10 mg/mL) totalling 20 mg stocked on the cart.</i>
AEM1.3.7	M	EPINEPHrine. <i>Guidance: Manufacturer pre-filled syringes are required. At minimum four (4) pre-filled syringes (1 mg/10 mL) are stocked on the cart.</i>
AEM1.3.8	M	EPINEPHrine <i>Guidance: A minimum of two (2) single-dose pens of 0.3 mg EPINEPHrine or two (2) ampoules 1:1000 1mg/mL of EPINEPHrine are stocked on the cart.</i>
AEM1.3.9	M	Flumazenil. <i>Guidance: A minimum of two (2) vials (0.5 mg/5 mL) totalling 1 mg are stocked on the cart.</i>
AEM1.3.10	M	20% Lipid emulsion. <i>Guidance: A minimum volume of 500 mL is stocked on the cart. Only required If bupivacaine or ropivacaine is on site.</i>
AEM1.3.11	M	Midazolam. <i>Guidance: A minimum of two (2) vials and a minimum of 4 mg (i.e. 2mg/2 ml x 2 vials, 5 mg/5 mL x 2 vials) of midazolam is located on the emergency cart or is located with the main controlled drugs and substances inventory and dedicated to the emergency cart (i.e. labelled "Emergency Use Only"). Targeted substances (e.g. benzodiazepines) must be stored in a secure environment and reasonable steps must be taken to protect any targeted substance from loss and theft. Therefore benzodiazepines and other targeted substances located on the emergency cart must be stored in a locked compartment or drawer of the emergency cart and counted as part of the start and end of day controlled drugs and substances counts. If this medication is stored with the main inventory, then the medication storage tray compartment for midazolam is labelled and redirects the team to the main inventory.</i>

AEM1.3.12	M	Morphine. <i>Guidance: A minimum of two (2) vials and a minimum of 10 mg (i.e. 1 mg/mL x 10, 2 mg/mL x5, 5 mg/mL x 2, 10 mg/mL x2) of morphine is located on the emergency cart or is located with the main controlled drugs and substances inventory and dedicated to the emergency cart (i.e. labelled "Emergency Use Only"). Controlled drugs and substances located on the emergency cart must be stored in a locked compartment or drawer of the emergency cart and counted as part of the start and end of day controlled drugs and substances counts. If this medication is stored with the main inventory, then the medication storage tray compartment for morphine is labelled and redirects the team to the main inventory.</i>
AEM1.3.13	M	Naloxone. <i>Guidance: A minimum of two (2) vials (0.4 mg/mL) totalling 0.8 mg is stocked on the cart. Manufacturer pre-filled syringes are preferred.</i>
AEM1.3.14	M	Nitroglycerine spray. <i>Guidance: One (1) multi-dose spray of 0.4 mg nitroglycerin per metered dose is stocked on the cart.</i>
AEM1.3.15	M	Salbutamol puffer with spacer. <i>Guidance: One (1) multi-dose puffer of 100 mcg salbutamol per metered dose with spacer is stocked on the cart. Spacers are not to be used for more than one patient. Used spacers are discarded and replaced.</i>
AEM1.4		IV and medication preparation equipment required of a class 2 facility are stocked on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.4.1	M	IV primary infusion tubing/administration sets. <i>Guidance: At minimum, two (2) macro-drip sets with access ports are located on the cart.</i>
AEM1.4.2	M	Normal saline. <i>Guidance: Any combination of 500 mL and 1000 mL bags totalling two liters of normal saline is stocked on the cart.</i>
AEM1.4.3	M	Minibags. <i>Guidance: At minimum two (2) 100 mL normal saline minibags are stocked on the cart for a phenylephrine infusion.</i>
AEM1.4.4	M	Tourniquet. <i>Guidance: At minimum two (2) non-latex tourniquets are stocked on the cart.</i>
AEM1.4.5	M	Alcohol swabs.
AEM1.4.6	M	Intraosseous driver. <i>Guidance: The power driver is replaced if the LED blinks red when the trigger is activated indicating that only 10% battery life remains. The life expectancy will depend on actual usage, bone density, insertion time, storage conditions and frequency of driver testing. The intraosseous driver should be tested each day procedures are scheduled.</i>
AEM1.4.7	M	Intraosseous needle 25 mm. <i>Guidance: At minimum, two (2) 25 mm needle kits with stabilizer are stocked on the cart.</i>

AEM1.4.8	M	IV extension set with clamp. <i>Guidance: At minimum, two (2) extension sets are stocked on the cart if not supplied in needle driver kit.</i>
AEM1.4.9	M	IV cannula 18G. <i>Guidance: At minimum, two (2) 18G are stocked on the cart.</i>
AEM1.4.10	M	IV cannula 20G. <i>Guidance: At minimum, two (2) 20G are stocked on the cart.</i>
AEM1.4.11	M	IV cannula 22G. <i>Guidance: At minimum, two (2) 22G are stocked on the cart.</i>
AEM1.4.12	M	Small transparent dressings.
AEM1.4.13	M	2x2 gauze.
AEM1.4.14	M	Tape.
AEM1.4.15	M	Razors. <i>Guidance: At minimum, two (2) disposable razors are stocked on the cart.</i>
AEM1.4.16	M	Medication labels. <i>Guidance: Plain labels for labeling syringes and IV bags/minibags satisfy this requirement. The label must be large enough to clearly write the name of the medication and the dose/concentration of the medication.</i>
AEM1.4.17	M	Normal saline 10 mL single-dose vials. <i>Guidance: At minimum, five (5) vials (10 mL) of non-bacteriostatic normal saline for the dilution of medication are stocked on the cart. Manufacturer pre-filled saline syringes (e.g. BD PosiFlush™) are not an appropriate substitute and are not to be used for the reconstitution or dilution of medication.</i>
AEM1.4.18	M	Syringes 10 mL. <i>Guidance: At minimum, ten (10) are stocked on the cart.</i>
AEM1.4.19	M	Needles. <i>Guidance: Various sizes of needles for a minimum total of ten (10) needles are stocked on the cart.</i>
AEM1.5		Gastric tube supplies required of a class 2 facility are stocked on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.5.1	M	Gastric tube 16F. <i>Guidance: Two (2) 16F gastric tubes with anti-reflux valves are stocked on the cart.</i>
AEM1.5.2	M	Lubricant.
AEM1.5.3	M	Catheter tip syringe 60 mL.

AEM1.5.4	M	Suction tubing. <i>Guidance: One (1) suction tubing is stocked on the cart in addition to the suction tubing attached to the portable suction.</i>
AEM1.6		Additional supplies required of a class 2 facility are stocked on the emergency cart. <i>Guidance: The drawers of the cart should be stocked according to function (i.e. airway management, medications, IV start, IV fluids and tubing, miscellaneous).</i>
AEM1.6.1	M	Blood pressure equipment. <i>Guidance: The blood pressure equipment (manual or automated) is dedicated to the emergency cart (i.e. not used for routine pre/post-operative assessment and then returned to the cart when not in use).</i>
AEM1.6.2	M	Glucometer. <i>Guidance: There must be a glucometer readily available within the facility.</i>
AEM1.6.3	M	Scissors. <i>Guidance: Medical emergency scissors, also known as EMT Bandage Shears or Survival Shears, are stocked on the cart. These scissors are designed to provide powerful cutting ability and have a flat end to get safely under fabric (e.g. clothing, bandages).</i>
AEM1.6.4	M	Pen light.
AEM1.6.5	M	Sharps container. <i>Guidance: The sharps container should be located on the top of the cart or attached to the side of the cart.</i>
AEM1.6.6	M	Pressure bag.
AEM1.6.7	M	Non-rebreather oxygen mask. <i>Guidance: At minimum, two (2) are stocked on the cart.</i>
AEM1.6.8	M	Simple oxygen mask. <i>Guidance: At minimum, two (2) are stocked on the cart.</i>

Summary of changes	
2019-06-28	<p>Airway equipment:</p> <ul style="list-style-type: none">• ET tube sizes revised. <p>Medications:</p> <ul style="list-style-type: none">• New medications added.• Minimum quantities specified.• Manufacturer pre-filled syringes required for some medications. <p>IV and medication preparation equipment:</p> <ul style="list-style-type: none">• Intraosseous driver and needles added. <p>Additional supplies:</p> <ul style="list-style-type: none">• Blood pressure equipment added. <p>Other:</p> <ul style="list-style-type: none">• Substantial format changes and guidance added.• Some supplies have been removed.



NON-HOSPITAL MEDICAL AND SURGICAL FACILITIES ACCREDITATION PROGRAM

Accreditation Standards

Class 2 IV Sedation/Analgesia Facility Emergency Cart

REFERENCES

American Heart Association. ACLS: advanced cardiovascular life support – provider manual. Ottawa: Heart & Stroke Foundation; 2016.

College of Physicians and Surgeons of Alberta. Non-hospital surgical facility: standards & guidelines – March 2016, v23 [Internet]. Edmonton, AB: College of Physicians and Surgeons of Alberta; 2016 [cited 2019 Mar 18]. 62 p. Available from: http://www.cpsa.ca/wp-content/uploads/2015/03/NHSF_Standards.pdf

College of Physicians and Surgeons of Ontario. Applying the out-of-hospital premises inspection program (OHPIP) standards in interventional pain premises [Internet]. Toronto: College of Physicians and Surgeons of Ontario; 2011. [cited 2018 Apr 13]. 16 p. Available from: <http://www.cpso.on.ca/CPSO/media/documents/CPSO%20Members/OHPIP/OHPIP-standards-interventional-pain.pdf>

College of Physicians and Surgeons of Ontario. Out-of-hospital premises inspection program (OHPIP) - program standards [Internet]. Toronto: College of Physicians and Surgeons of Ontario; 2013 [cited 2019 Mar 18]. 44 p. Available from: <https://www.cpso.on.ca/CPSO/media/documents/CPSO%20Members/OHPIP/OHPIP-standards.pdf>

Holmes A. Emergency & medical treatment guidelines. Vancouver: Iridia Medical; 2018.

Institute for Safe Medication Practices Canada; Healthcare Insurance Reciprocal of Canada. Alert: errors with prefilled saline syringes when used to reconstitute or dilute medications. ISMP Canada Safety Bulletin [Internet]. 2012 Oct 30 [cited 2018 Apr 13];12(10):1-2. Available from: https://www.ismp-canada.org/download/safetyBulletins/2012/ISMPCSB2012-10_ALERT_Errors_with_Prefilled_Saline_Syringes.pdf