



COUNTY OF VENTURA HEALTH CARE AGENCY		EMERGENCY MEDICAL SERVICES POLICIES AND PROCEDURES	
Policy Title: BLS And ALS Unit Equipment And Supplies		Policy Number: 504	
APPROVED: Administration:	 Steven L. Carroll, Paramedic	Date: January 3, 2023	
APPROVED: Medical Director	 Daniel Shepherd, MD	Date: January 3, 2023	
Origination Date:	May 24, 1987	Effective Date: January 3, 2023	
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Review Date:	November 30, 2023		

- I. PURPOSE: To provide a standardized list of equipment and supplies for response and/or transport units in Ventura County.
- II. POLICY: Each response and/or transport unit in Ventura County shall be equipped and supplied according to the requirements of this policy.
- III. AUTHORITY: California Health and Safety Code Section 1797.178, 1797.204, 1797.218, 1797.221 and California Code of Regulations Sections 100148, 100306, 100404
- IV. DEFINITIONS:
  - BLS – Basic Life Support Unit
  - ALS – Advanced Life Support Unit
  - PSV – Paramedic Support Vehicle or Paramedic Supervisor Vehicle
  - CCT – Critical Care Transport Unit
  - BLS Command – Basic Life Support Staffed Command Vehicle
  - FR/ALS – First Responder Advanced Life Support Unit
  - Search and Rescue – Sheriff’s SAR Helicopter Unit
- V. PROCEDURE:
  - The following equipment and supplies shall be maintained on each response and/or transport unit in Ventura County.

Deviation from the standards outlined in this policy shall only be authorized with written approval (see attached Equipment/Medication Waiver Request form) from the VCEMS Medical Director. Mitigation attempts should be documented in the comment section on the waiver request form, such as what vendors were contacted, etc.

	BLS Unit Minimum Amount	BLS Command Minimum Amount	ALS Unit Minimum Amount	PSV/CCT Minimum Amount	FR/ALS Minimum Amount	Search and Rescue Minimum Amounts
<b>A. ALL BLS AND ALS RESPONSE AND/OR TRANSPORT UNITS</b>						
Bag valve units with appropriate masks Adult (1,000 mL) Child (500 mL) Infant (240 mL)	1 each	1 each	1 each	1 each	1 each	1 adult
Nasal cannula Adult	3	3	3	3	3	3
Nasopharyngeal airway 14 French 18 French 20 French 22 French 24 French 26 French 28 French 32 French 34 French 36 French	1 each	1 each	1 each	1 each	1 each	1 each
Continuous positive airway pressure / Bi-level Positive Airway Pressure (CPAP/BiPap) device	1 Child	Optional	1 Child	1 Child	1 Child	1 Child
	1 Small Adult		1 Small Adult	1 Small Adult	1 Small Adult	1 Small Adult
	1 Adult		1 Adult	1 Adult	1 Adult	1 Adult
Nerve Agent Antidote DuoDote Auto-Injector	Optional	Optional	3	3	3	Optional
Blood glucose determination devices	1	Optional	2	1	1	1
Occlusive Dressing	5	5	5	5	5	5
Oral glucose 15gm unit dose	1	1	1	1	1	1
Oropharyngeal Airways 40 mm (Size 00) 50 mm (Size 0) 60mm (Size 1) 70 mm (Size 2) 80 mm (Size 3) 90 mm (Size 4) 100 mm (Size 5) 110 mm (Size 6)	1 each size	1 each size	1 each size	1 each size	1 each size	1 each size
Oxygen with appropriate adjuncts (portability required)	15 L/min for 20 minutes (40 minutes for transport units)	15 L/min for 20 minutes	15 L/min for 20 minutes (40 minutes for transport units)	15 L/min for 20 mins.	15 L/min for 20 mins.	15 L/min for 20 mins.
Portable suction equipment	1	1	1	1	1	1
Nonrebreather oxygen masks Adult Child Infant	3 3 2	2 2 2	3 3 2	2 2 2	2 2 2	2 2 2
Bandage scissors	1	1	1	1	1	1

	BLS Unit Minimum Amount	BLS Command Minimum Amount	ALS Unit Minimum Amount	PSV/CCT Minimum Amount	FR/ALS Minimum Amount	Search and Rescue Minimum Amounts
Bandages						
• 4"x4" sterile compresses or equivalent	12	12	12	12	12	5
• 2",3",4" or 6" roller bandages	6	2	6	2	6	4
• 10"x 30" or larger dressing	2	0	2	0	2	2
Blood pressure cuffs						
Thigh	1	1	1	1	1	1
Adult	1	1	1	1	1	1
Child	1	1	1	1	1	1
Infant	1	1	1	1	1	1
Emesis basin/bag	1	1	1	1	1	1
Flashlight	1	1	1	1	1	1
Traction splint or equivalent device	1	N/A	1	1	1	1
Pneumatic or rigid splints (capable of splinting all extremities)	4	N/A	4	4	4	4
Potable water or saline solution	4 liters	N/A	4 liters	4 liters	4 liters	4 liters
Cervical collar	2	N/A	2	2	2	2
Spinal immobilization backboard						
60" minimum with at least 3 sets of straps	1	N/A	1	N/A	1	1
Sterile obstetrical kit	1	1	1	1	1	1
Tongue depressor	4	Optional	4	Optional	Optional	Optional
Cold packs	4	2	4	4	4	4
Tourniquet	2	2	2	2	2	2
1 mL,5 mL, and 10 mL syringes with IM needles	N/A	N/A	4	4	4	4
Automated External Defibrillator	1	1	N/A	N/A	N/A	N/A
Manual Defibrillator	N/A	N/A	1	1	1	1
Defibrillator pads	2 adult 2 peds	2 adult 2 peds	2 adult 2 peds	2 adult 2 peds	2 adult 2 peds	2 adult 2 peds.
Stethoscope	1	1	1	1	1	1
Cellular telephone	1	1	1	1	1	1
CO <sub>2</sub> monitor						
Infant (<0.5 mL sidestream or <1 mL mainstream adaptor)	Optional	Optional	2 of each	2 of each	2 of each	2 of each
Pediatric / Adult ( 6.6 mL sidestream or < 5 mL mainstream adaptor)						
CO <sub>2</sub> Monitor						
Adult size EtCO <sub>2</sub> sampling nasal cannula	Optional	Optional	1 of each	1 of each	1 of each	1 of each
Pediatric size EtCO <sub>2</sub> sampling nasal cannula						
Pediatric length and weight tape	1	1	1	1	1	1
Intranasal mucosal atomization device	Optional	Optional	2	2	2	2
SpO <sub>2</sub> Monitor (If not attached to cardiac monitor)	1	1	1	1	1	1
SpO <sub>2</sub> Adhesive Sensor (Adult, Pediatric, Infant)	Optional	Optional	1 of each	1 of each	1 of each	1 of each
Thermometer	1	Optional	1	1	1	Optional
Personal Protective Equipment per State Guideline #216						
Rescue helmet	2	N/A	2	1	N/A	N/A
EMS jacket	2	N/A	2	1	N/A	N/A
Work goggles	2	N/A	2	1	N/A	N/A
Tyvek suit	2 L / 2 XXL	N/A	2 L / 2 XXL	1 L / 1 XXL	N/A	N/A

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Tychem hooded suit	2 L / 2 XXL	N/A	2 L / 2 XXL	1 L / 1 XXL	N/A	N/A
Nitrile gloves	1 Med / 1 XL	N/A	1 Med / 1 XL	1 Med / 1 XL	N/A	N/A
Disposable footwear covers	1 Box	N/A	1 Box	1 Box	N/A	N/A
Leather work gloves	3 L Sets	N/A	3 L Sets	1 L Set	N/A	N/A
Field operations guide	1	N/A	1	1	N/A	N/A
<b>OPTIONAL EQUIPMENT (No minimums apply)</b>						
Chest seal						
Hemostatic gauze per EMSA guidelines						

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<b>B. TRANSPORT UNIT REQUIREMENTS</b>						
Ambulance gurney	1	N/A	1	N/A	N/A	N/A
Collapsible stretcher or flat	1	N/A	1	N/A	N/A	2
KED or equivalent (One required for transport units)	1	N/A	1	N/A	N/A	N/A
Straps to secure the patient to the stretcher or ambulance cot, and means of securing the stretcher or ambulance cot in the vehicle.	1 set	N/A	1 Set	N/A	N/A	1 Set
Powered portable suction unit	1	N/A	1	N/A	N/A	N/A
Soft ankle and wrist restraints.	1 set of each	N/A	1 set of each	N/A	N/A	0
Sheets, pillow cases, blankets and towels for each stretcher or ambulance cot, and two pillows for each ambulance	1	N/A	1	N/A	N/A	0
Bedpan	1	N/A	1	N/A	N/A	N/A
Urinal	1	N/A	1	N/A	N/A	N/A

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<b>C. ALS UNIT REQUIREMENTS</b>						
Supraglottic Airway Devices: I-Gel with passive oxygenation port Sizes 1, 1.5, 2, 2.5, 3, 4, 5	N/A	N/A	2 of each	1 of each	1 of each	1 of each
I-Gel Airway Support Straps	N/A	N/A	2	2	2	2
Arm Boards 9" 18"	N/A	N/A	3 3	0 0	1 1	0 0
Colorimetric CO2 Detector Device	N/A	N/A	1	1	1	1
EKG Electrodes	N/A	N/A	10 sets	3 sets	3 sets	6 sets
Endotracheal tubes, sizes 6.0, 6.5, 7.0, 7.5, 8.0 with stylets	N/A	N/A	1 of each size	1 of each size	1 of each size	1 of each size
EZ-IO intraosseous infusion system	N/A	N/A	1 Each Size	1 Each Size	1 Each Size	1 Each Size
IV admin set - macrodrip	N/A	N/A	8	4	4	4
IV catheter, Sizes 14, 16, 18, 20, 22, 24	N/A	N/A	6 each 14, 16, 18, 20 3 each 22 3 each 24	2 each	2 each	2 each
Laryngoscope, replacement bulbs and batteries  Curved blade #2, 3, 4 Straight blade #1, 2, 3	N/A	N/A	1 set  1 each 1 each	1 set  1 each 1 each	1 set  1 each 1 each	1 set  1 each 1 each
Magill forceps Adult Pediatric	N/A	N/A	1 1	1 1	1 1	1 1
Nebulizer	N/A	N/A	2	2	2	2
Nebulizer with in-line adapter	N/A	N/A	1	1	1	1
Needle Thoracostomy kit	N/A	N/A	2	2	2	2
Flexible intubation stylet	N/A	N/A	1	1	1	1
<b>OPTIONAL ALS EQUIPMENT (No minimums apply)</b>						
Cyanide Antidote Kit						
Needle Thoracostomy Anatomical Landmark Guide						

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<b>D. ALS MEDICATION, MINIMUM AMOUNT</b>						
Adenosine, 6 mg	N/A	N/A	5	5	5	5
Albuterol 2.5mg/3ml	N/A	N/A	6	2	2	2
Aspirin, 81mg	N/A	N/A	4 ea 81 mg	4 ea 81 mg	4 ea 81 mg	4 ea 81 mg
Amiodarone, 50mg/ml 3ml	N/A	N/A	6	3	6	3
Atropine sulfate, 1 mg/10 ml	N/A	N/A	3	2	2	2
Diphenhydramine (Benadryl), 50 mg/ml	N/A	N/A	2	1	1	2
Calcium chloride, 1000 mg/10 ml	N/A	N/A	2	1	1	1
Dextrose						
• 5% 50ml, AND	N/A	N/A	2	1	2	1
• 10% 250 ml	N/A	N/A	2	2	2	2
Epinephrine						
• Epinephrine , 1mg/ml	N/A	N/A	5	5	5	5
• 1 mL ampule / vial, OR	N/A	N/A	Optional	Optional	Optional	Optional
• Adult auto-injector (0.3 mg),	N/A	N/A	Optional	Optional	Optional	Optional
Peds auto-injector (0.15 mg)	N/A	N/A	6	3	6	4
• Epinephrine 0.1mg/ml (1 mg/10ml preparation)	N/A	N/A	200 mcg	200 mcg	200 mcg	200 mcg
Fentanyl, 50 mcg/mL	N/A	N/A	200 mcg	200 mcg	200 mcg	200 mcg
Glucagon, 1 mg/ml	N/A	N/A	2	1	2	1
Intravenous Fluids (in flexible containers)						
• Normal saline solution, 100 ml	N/A	N/A	2	1	1	1
• Normal saline solution, 500 ml	N/A	N/A	2	1	1	1
• Normal saline solution, 1000 ml	N/A	N/A	6	2	4	3
Lidocaine, 100 mg/5ml	N/A	N/A	2	2	2	2
Magnesium sulfate, 1 gm per 2 ml	N/A	N/A	4	4	4	4
Midazolam Hydrochloride (Versed)	N/A	N/A	5 mg/ml 2 vials	5 mg/ml 2 vials	5 mg/ml 2 vials	5 mg/ml 2 vials
Morphine sulfate, 10 mg/ml (Only required during a Fentanyl shortage)	N/A	N/A	2	2	2	2
Naloxone Hydrochloride (Narcan)						
• IN concentration - 4 mg in 0.1 mL (with atomizer)	N/A	N/A	Optional	Optional	Optional	Optional
• IM / IV concentration – 2 mg in 2 mL preload	N/A	N/A	5	5	5	5
Nitroglycerine preparations, 0.4 mg	N/A	N/A	1 bottle	1 bottle	1 bottle	1 bottle
Normal saline flush, 5 or 10 ml	N/A	N/A	5	5	5	5
Ondansetron (Zofran)						
• 4 mg IV single use vial	N/A	N/A	4	4	4	4
• 4 mg oral	N/A	N/A	4	4	4	4
Sodium Bicarbonate 8.4%, 1 mEq/mL (50 mL)	N/A	N/A	4	2	2	2
Tranexamic Acid (TXA) 1 gm/10 mL	N/A	N/A	2	1	1	1

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<b>E. BLS MEDICATION, MINIMUM AMOUNT</b>						
Epinephrine						
• Epinephrine , 1mg/ml						
• 1 mL ampule / vial (with syringe and needle), OR	2	2	N/A	N/A	N/A	N/A
• Adult auto-injector (0.3 mg), AND	2	2	N/A	N/A	N/A	N/A
• Peds auto-injector (0.15 mg)	2	2	N/A	N/A	N/A	N/A
Naloxone Hydrochloride (Narcan)						
• IN concentration - 4 mg in 0.1 mL (with atomizer) OR	2	2	N/A	N/A	N/A	N/A
• IM / IV concentration – 2 mg in 2 mL preload	2	2	N/A	N/A	N/A	N/A