

SMO 2022 Review

2020 SMO	2022 SMO	Notes
	Each SMO has a section for Key Considerations and Treatment	
	Adult and Pediatric Treatment are included in each SMO. Pediatric Information is highlighted in blue.	
	As with the previous version, treatment sections that can be performed by all levels (EMT, Intermediate, Paramedic) are not highlighted. Treatment that can be performed by Intermediates and Paramedics are highlighted in yellow; paramedic only treatment is highlighted in pink.	
	The document is hyperlinked to assist with navigation between SMOs and Medications.	
	The SMOs for Emergency Medical Responders (EMRs) are located in a separate document.	
12-Lead ECG Acquisition	12-Lead ECG Acquisition	
Abdominal Pain	Abdominal Pain Adult/Pediatric	
	Abdominal Trauma	part of Routine Trauma Care
Abuse: Domestic/Geriatric	Abuse/Neglect: Child/Domestic/Geriatric	
	AED	new requirement for IDPH New CPR/AED SMO
Airway Management Adult	Airway Management Adult/Pediatric	I-GEL size chart added
Alcohol/Substance Abuse Emergencies	Alcohol/Substance Abuse Emergencies	
Altered Mental Status Adult	Altered Mental Status Adult/Pediatric	
	Altitude Illness	new requirement for IDPH
Ambulance Diversion Status Changes		moved to Region 1 Policies
Amputated Parts		moved to Routine Trauma Care
Anaphylaxis and Allergic Reaction Adult	Anaphylaxis and Allergic Reaction Adult/Pediatric	Methylprednisolone now first followed by EPI in Moderate and Severe; Methylprednisolone can be IM. In Severe - consider medications based on patient assessment.
Asystole/PEA Adult	Asystole/PEA Adult/Pediatric	New: H's and T's resource
Automatic Implantable/Wearable Devices	Automatic Implantable/Wearable Devices	
Behavioral Emergencies	Behavioral Emergencies/Restraints	Restraints - physical first/chemical second
Bites and Stings	Bites, Stings, and Envenomation	
	Blast Injuries	part of Routine Trauma Care

Body Substance Exposure	Body Substance Exposure	
Body Substance Isolation (Universal Precautions)	Body Substance Isolation (Universal Precautions)	Added: High Risk Treatment
Bradycardia - Adult Symptomatic	Bradycardia Adult/Pediatric	
Bronchospasm	Bronchospasm (Asthma/COPD) Adult/Pediatric	Order of meds/treatment may vary based on patient condition. Asthma and COPD added as new requirement for IDPH.
Burns - Adult	Burns Adult/Pediatric	
Capnography	Capnography	
Carbon Monoxide Exposure/Poisoning	Carbon Monoxide Exposure/Poisoning	
	Cardiac Arrest (AED/CPR)	new requirement for IDPH
	Resuscitation Checklist Adult	new
	Resuscitation Checklist Pediatric	new
	Cardiac Arrest Post Resuscitation (ROSC)	new requirement for IDPH
Cardiogenic Shock	Cardiogenic Shock/Heart Failure/Pulmonary Edema	new requirement for IDPH (Heart Failure)
Cardioversion	Cardioversion	
Central Line/Port-A-Cath Access	Central Line/Port-A-Cath Access	
Chest Pain of Suspected Cardiac Origin	Chest Pain of Suspected Cardiac Origin/STEMI	new requirement for IDPH (STEMI) NEW - metoprolol removed from formulary
Child Abuse/Neglect	Abuse/Neglect: Child/Domestic/Geriatric	
	Chest Trauma	part of Routine Trauma Care
Childbirth	Childbirth - Norma/Abnormal Deliveries, Pre and Post Partum Hemorrhage	Added: Cardiac arrest in pregnancy
Closest Hospital Transport		moved to Region 1 Policies
Concealed Carry of a Firearm		moved to Region 1 Policies
	Chronic Obstructive Pulmonary Disease (COPD)	combined with Bronchospasm
	Conducted Electrical Weapon (TASER)	new requirement for IDPH
	Coroner Notification	part of In-Field Termination
CPAP	CPAP	
	CPR	New CPR/AED SMO
	Resuscitation Checklist Adult/Pediatric	New
Crush Syndrome/Suspension Trauma	Crush Syndrome/Suspension Trauma	
Delayed Sequence Airway Management/Intubation (DSI)	Delayed Sequence Airway Management/Intubation (DSI)	Ketamine for DSI agencies only. Added: Step 7 - Post Intubation
Diabetic Emergencies	Diabetic Emergencies Adult/Pediatric	D50 removed as D10 is now the standard concentration.
DNR/POLST/Advanced Directives		moved to Region 1 Policies
Drowning/Near Drowning	Drowning/Near Drowning Adult/Pediatric	Treatment for SCUBA Injury (new requirement for IDPH).
Emergency Rehabilitation Incident		moved to Region 1 Policies

Endotracheal Intubation		removed SMO
Excited Delirium	Excited Delirium	Added Capnography. See adult weight-based dosing for Ketamine.
	Facial/Dental Trauma	part of Routine Trauma Care
Gynecological: Hemorrhage	Gynecological: Hemorrhage	
	Head Trauma / Pediatric Head Trauma	part of Routine Trauma Care - Pediatric Head Trauma is new requirement for IDPH
	Heart Failure	part of Cardiogenic Shock
Hypertensive Crisis		removed SMO
Hyperthermia	Hyperthermia Adult/Pediatric	Combined Heat Cramps and Heat Exhaustion. Added: Midazolam for shivering.
Hypothermia	Hypothermia Adult/Pediatric	Contact Medical Control for "triple zero" pronouncements.
Inbound Radio Report and Alert Notifications		moved to Region 1 Policies
In-Field Termination	In-Field Termination/Notification of Coroner	
Intercept Criteria	Intercept Criteria	
Interhospital/Interfacility Transport		moved to Region 1 Policies
Intranasal Medications/MAD Device	Intranasal Medications/MAD Device	
Intraosseous Access	Intraosseous Access	
	Sedation for Airway Management/Delayed Sequence Airway Management/Intubation	
Intubation - Adult		
Narrow Complex Tachycardia	Tachycardia - Narrow Complex/Wide Complex - Stable/Unstable	
Needle Cricothyrotomy	Needle Cricothyrotomy	
Needle Decompression of the Chest	Needle Decompression of the Chest	Added information regarding failed attempts/dislodged needles to procedure.
	Neonatal Resuscitation	formerly Pediatric Neonatal Resuscitation
Notification of the Coroner	In-Field Termination/Notification of Coroner	
Ophthalmic Trauma	Ophthalmic Trauma	part of Routine Trauma Care NEW - Tetracaine removed from Formulary
Pain Assessment and Management	Pain Assessment and Management Adult/Pediatric	Added: FLACC Scale for pediatric pain
	Pediatric ALTE/BRUE Event	new requirement for IDPH
Pediatric SMOs	Majority of Pediatric SMOs combined with adult	

Pediatric Respiratory Distress/Arrest	Pediatric Respiratory Distress/Failure/Obstruction /Arrest	Organized according to: Airway Obstruction, Lower Airway (Bronchospasm), Adequate or Inadequate Respiratory Effort, Inadequate Chest Rise or Respiratory Effort. New requirement for IDPH (Failure/ Obstruction).
Physician/RN On Scene		moved to Region 1 Policies
Pre-Eclampsia/Eclampsia	Pre-Eclampsia/Eclampsia	Added link to Seizure/Status Epilepticus
Pregnancy Trauma		removed SMO
Pulmonary Edema	Cardiogenic Shock/Heart Failure/Pulmonary Edema	
Rape/Sexual Assault	Rape/Sexual Assault	
Refusal of Medical Care or Transport	Refusal of Medical Care or Transport	Changed "competent" to decision-making capacity.
Restraints	Behavioral Emergencies/Restraints	
Routine Medical Care	Routine Medical Care	
Routine Pediatric Care	Routine Pediatric Care	Ondansetron added.
Routine Trauma Care	Routine Trauma Care	Added section for specific trauma care (ex., amputated parts, chest trauma, etc). Ondansetron added. Added Pediatric Trauma section.
	SCUBA Injury	new requirement for IDPH - part of Drowning/Near Drowning
School Bus Accident Response/Alternative Transport Vehicle		moved to Region 1 Policies
Seizure/Status Epilepticus	Seizure/Status Epilepticus Adult/Pediatric	
Sepsis	Sepsis Adult and Pediatric	
Shock/Hemorrhagic - Fluid Resuscitation with TXA	Shock/Traumatic Hemorrhage/Wound Packing	New: TXA dosing is now 2 GM
Special Needs Patients	Special Needs Patients	
Spinal Restrictions	Spinal Restrictions	
	STEMI	New requirement for IDPH - Part of Chest Pain of Suspected Cardiac Origin/STEMI
Stroke	Stroke Adult/Pediatric	
Surgical Cricothyrotomy	Surgical Cricothyrotomy	Added pediatric information.
Syncope/Near Syncope	Syncope/Near Syncope Adult/Pediatric	
Adult Toxic Exposure	Toxic Exposure with Toxidrome Table	Added Toxidrome Table.
Transcutaneous Pacing	Transcutaneous Pacing	
Transfer of Responsibility of Patient Care		moved to Region 1 Policies
Transport Template		moved to Region 1 Policies
Transport Template Hospital Resources		moved to Region 1 Policies
Traumatic Arrest		removed SMO

V-Fib/V-Tach	V-Fib/V-Tach Adult/Pediatric	Region 1 EMS Medical Directors recommend starting and continuing at maximum energy, if possible.
Wide Complex Tachycardia	Tachycardia - Narrow Complex/Wide Complex - Stable/Unstable	Added pediatric information. Added monitor specific information.

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2020 Medication	2022 SMO	Changes
General Information		Pediatric dosing added to ALS/ILS Pharmacology pages
		Alternative dosing sheets includes weights from 3 KG to 150 KG
Adenosine (Adenocard)		
Albuterol Sulfate		
Albuterol Sulfate/Ipratropium		
Aspirin		
Atropine Sulfate		Dosing changed to 1 mg from 0.5 mg per AHA guidelines
Calcium Gluconate		
Dextrose 10% and 50%	* 25%/50% are now alternative	
Dextrose Dosing Chart		Dosing chart includes information on dosing for 25% and 50% as alternative
Diazepam (Valium)	* alternative	
Diphenhydramine (Benadryl)		
Dopamine (Intropin)		Added "Contact Medical Control for pediatric Dopamine dosing" to all SMOs where Dopamine is a treatment
Dopamine Dosing Chart		
Epinephrine 1 mg:10 ml and 1 mg:1 ml		Throughout SMOs - Epinephrine 1 mg:1 ml clarified as concentration - not dosing
Epi Pen Adult and Junior		Auto-Injector changed to Injector on all dosing/pharmacology information
Etomidate (Amidate)		
Fentanyl Citrate		
Fluid Bolus		Standardized: Adult 250 ml/reassess patient/repeat if indicated and Pediatrics 20 ml/kg Exceptions: Advanced Burn Life Support fluids rates based on patient age
Furosemide (Lasix)		
Glucagon		
Ipratropium Bromide (Atrovent)		
Ketamine (Ketalar)		Ketamine pulled from all pediatric dosing. Dosing changes: Ketamine IM/IV for Pain Management and Restraints (0.25 mg/kg - use 1 ml syringe - IM = no dilution / IV = dilute with NS to 1 ml and push over 2 minutes). For Excited Delirium IM only (4 mg/kg - additional dose online only). DSI dosing remains the same (IV only - 1.5 mg/kg)
Ketorolac (Toradol)		Clarification for pediatrics - not recommended for patients less than one year old
Lidocaine 2% (Xylocaine)		
Lorazepam (Ativan)	* alternative	
Magnesium Sulfate		
Magnesium Sulfate Dosing Chart		
Methylprednisolone (Solu-Medrol)		May administer IM as well as IV
Metoclopramide (Reglan)	alternative	
Metoprolol Tartrate (Lopressor)	removed	

		Dosing changes: Standard dosing - Heavy - start at 5 mg, may repeat one time. Light - start at 2.5 mg, may repeat one time (if patient is intubated may repeat as needed every five minutes to maintain sedation. Anxiety dosing for CPAP - 0.5 mg, may repeat one time. Specific dosing for Heavy and Light listed in Pharmacology pages.
Midazolam (Versed)		
Morphine Sulfate		
Naloxone Hydrochloride (Narcan)		
Nitroglycerine		NEW: Nitro-paste added to dosing - 0.5 to 2 inches - not recommended for peds
Ondansetron (Zofran)		IV/IO (slow) and ODT oral - adult 4 mg/Peds = weight-based. No tablets for patients under 40 KG
Oral Glucose/Glucose Tablets		
Prochlorperazine (Compazine)	alternative	
Rocuronium Bromide	* alternative	
Sodium Bicarbonate		
Succinylcholine Chloride (Anectine)		
Tetracaine Hydrochloride	removed	
Tranexamic Acid (Cyklokapron)		Dose is now 2 GM
Vecuronium	*alternative	

* alternative medications have separate dosing charts