


## CENTRE FOR PREHOSPITAL CARE STANDARDS

**CATEGORY:** Program Specific **REVISION DATE:** May 7, 2024  
**DATE:** April 2009 **ARCHIVE DATE:**  
**SUBJECT:** **MEDICAL DIRECTIVES AND SKILLS REGISTRY  
FOR PRIMARY AND ADVANCED CARE PARAMEDICS**

Page 1 of 7

<b>Document Owner:</b> Regional Education and Certification Coordinator	<b>Name:</b> Corey Petrie
<b>Update Schedule:</b> Annually.	
<b>Stakeholder Consultation and Review:</b> CPC Quality of Care Committee CPC Program Committee	<b>Date:</b> May 17, 2023 December 22, 2022
<b>Approval:</b> Corey Petrie, Chair, HSN CPC Council Committee  	<b>Date:</b> May 17, 2023

*Note: Electronic signatures must be embedded as a .jpeg or .png image then saved as a PDF before posting on the Intranet.*

### PURPOSE:

To document the skills and directives utilized by Emergency Medical Service (EMS) Operators under the authority and oversight of Health Sciences North Centre for Prehospital Care (HSN CPC).

The HSN CPC certifies paramedics under the following designations:

- Primary Care Paramedics (PCP)
- Advanced Care Paramedics (ACP)

### SPECIAL INSTRUCTIONS

1. To maintain certification at any given designation, a paramedic must meet and maintain all requirements for that designation as laid out in Appendix 6 of the Advanced Life Support Patient Care Standards (ALS PCS).
2. Paramedics practicing at the Primary or Advanced Care level, under the authority of the HSN CPC, are certified in the skills and medical directives enumerated in Appendix 1 and 2 of the ALS PCS.
3. In addition to this, paramedics practicing in specified areas within the HSN CPC are certified in the skills and medical directives found in Appendix 3 and 4 (Auxiliary Medical Directives) of the ALS PCS.

### DEFINITIONS:

- **GSPS:** Greater Sudbury Paramedic Service
- **MSPS:** Manitoulin-Sudbury DSB Paramedic Service
- **DSSMPS:** District of Sault Ste. Marie Paramedic Service
- **ADPS:** Algoma District Paramedic Service
- **DNSSAB-PS:** District of Nipissing Social Services Administration Board Paramedic Service
- **PSDEMS:** Parry Sound District EMS
- **TDEMS:** Timiskaming District EMS
- **CDPS:** Cochrane District Paramedic Service
- **WAHA:** Weeneebayko Area Health Authority Paramedic Service

CATEGORY: Program Specific

**SUBJECT: MEDICAL DIRECTIVES & SKILLS REGISTRY FOR PRIMARY AND ADVANCED CARE PARAMEDICS**

PRIMARY CARE PROGRAM	GSPPS	MSPS	DSSMPS	ADPS	DNSSABPS	PSDEMS	TDEMS	CDPS	WAHA
<b>Core Directives v5.3</b>									
Acute Cardiogenic Pulmonary Edema (Nitroglycerin SL)	X	X	X	X	X	X	X	X	X
Analgesia (Ibuprophen PO), (Acetaminophen PO), (Ketorolac IV/IM)	X	X	X	X	X	X	X	X	X
Bronchoconstriction (Salbutamol MDI/NEB/BVM), (Epinephrine 1:1000 IM), (Dexamethasone IM/IV/PO)	X	X	X	X	X	X	X	X	X
Cardiac Ischemia (ASA PO), (Nitroglycerin SL)	X	X	X	X	X	X	X	X	X
Croup (Epinephrine 1:1000 NEB), (Dexamethasone PO)	X	X	X	X	X	X	X	X	X
Emergency Childbirth (Oxytocin IM)	X	X	X	X	X	X	X	X	X
Endotracheal and Tracheostomy Suctioning and Reinsertion	X	X	X	X	X	X	X	X	X
Home Dialysis Emergency Disconnect	X	X	X	X	X	X	X	X	X
Hypoglycemia (Dextrose IV), (Glucagon IM/IN*) <i>*TDEMS and PSDEMS do not administer Glucagon IN</i>	X	X	X	X	X	X	X	X	X
Medical Cardiac Arrest	X	X	X	X	X	X	X	X	X
Moderate to Severe Allergic Reaction (Epinephrine IM), (Diphenhydramine IV/IM)	X	X	X	X	X	X	X	X	X
Nausea and Vomiting (Dimenhydrinate IV/IM, Ondansetron PO)	X	X	X	X	X	X	X	X	X
Newborn Resuscitation	X	X	X	X	X	X	X	X	X
Opioid Toxicity and Withdrawal (Naloxone SC/IM/IN/IV)	X	X	X	X	X	X	X	X	X
Return of Spontaneous Circulation (ROSC)	X	X	X	X	X	X	X	X	X
Supraglottic Airway (iGel)	X	X	X	X	X	X	X	X	X
Suspected Adrenal Crisis (Hydrocortisone Sodium Succinate IM/IV)	X	X	X	X	X	X	X	X	X
Trauma Cardiac Arrest	X	X	X	X	X	X	X	X	X
<b>Auxiliary Directives v5.3</b>									
Cardiogenic Shock <i>*Applicable to the Constance Lake Station ONLY under WAHA Service</i>	X	X	X		X	X	X	X	*
Continuous Positive Airway Pressure (CPAP)	X	X	X	X	X	X	X	X	X
Headache - Auxiliary Special Event (Acetaminophen PO)			X		X				
Intravenous & Fluid Therapy (0.9% NaCl IV) <i>*Applicable to the Constance Lake Station ONLY under WAHA Service</i>	X	X	X		X	X	X	X	*
Minor Abrasions Special Event- (Topical Antibiotic)			X		X				
Minor Allergic Reaction Special Event (Diphenhydramine PO)			X		X				
Musculoskeletal Pain – Auxiliary Special Event (Acetaminophen PO)			X		X				
Cyanide Exposure (CYANOKIT/Hydroxocobalamin IV)	X						X	X	
<b>Auxiliary Medications v5.3</b>									
Opioid Toxicity and Withdrawal – (Buprenorphine SL, Naloxone SC/IM/IN/IV)								X	
<b>Discharge from Care Auxiliaries Directives v5.3</b>									
Hypoglycemia Treat and Discharge	X	X	X	X	X	X	X	X	X
Seizure Treat and Discharge	X	X	X	X	X	X	X	X	X

CATEGORY: Program Specific

SUBJECT: MEDICAL DIRECTIVES & SKILLS REGISTRY FOR PRIMARY AND ADVANCED CARE  
PARAMEDICS

PRIMARY CARE PROGRAM	GSPS	MSPS	DSSMPS	ADPS	DNSSAB PS	PSDEMS	TDEMS	CDPS	WAHA
<b>Research Trial Directives/Patient Care Model Standards</b>									
Patellar Dislocation Research Protocol	X	X	X	X	X	X	X	X	X
Special Project Palliative Care	X							X	
<b>Research Trial Directives/Patient Care Model Standards Medications</b>									
Special Project Palliative Care - Congested Breathing: (Glycopyrrolate SC) or (Atropine SC)	X							X	
Special Project Palliative Care - Dyspnea: (Salbutamol MDI, NEB)	X							X	
Special Project Palliative Care - Hallucinations or Agitation: (Haloperidol SC)	X							X	
Special Project Palliative Care - Nausea or Vomiting: (Haloperidol SC), (Odansetron PO, SC) (Dimenhydrinate SC)	X							X	

PRIMARY CARE PROGRAM SKILLS	GSPS	MSPS	DSSMPS	ADPS	DNSSAB PS	PSDEMS	TDEMS	CDPS	WAHA
12 and 15 Lead ECG, Posterior, Right and STEMI Diagnosis	X	X	X	X	X	X	X	X	X
Advanced Airway (Supraglottic)	X	X	X	X	X	X	X	X	X
Airway Suctioning and Deep Suctioning	X	X	X	X	X	X	X	X	X
Capnometry and Capnography (ETC02)	X	X		X	X	X	X		X
CPAP Therapy	X	X	X	X	X	X	X	X	X
Defibrillation	X	X	X	X	X	X	X	X	X
Intravenous Therapy	X	X	X		X	X	X	X	
SpO2	X	X	X	X	X	X	X	X	X
Tracheostomy Reinsertion	X	X	X	X	X	X	X	X	X
Treat and Refer	X	X	X	X	X	X	X	X	X
Treat and Discharge	X	X	X	X	X	X	X	X	X

ADVANCED CARE PROGRAM	GSPS	DNSSAB-PS
<b>Core Directives v5.3</b>		
Acute Cardiogenic Pulmonary Edema (Nitroglycerine SL)	X	X
Analgesia (Ibuprofen PO), (Acetaminophen PO), (Ketorolac IM/IV), (Morphine IV/SC), (Fentanyl IV/IN)	X	X
Bronchoconstriction (Salbutamol MDI/NEB/BVM), (Epinephrine 1:1000 IM), (Dexamethasone IV/IM/PO)	X	X
Cardiac Ischemia (ASA PO), (Nitroglycerin SL), (Morphine IV)	X	X

CATEGORY: Program Specific

SUBJECT: MEDICAL DIRECTIVES & SKILLS REGISTRY FOR PRIMARY AND ADVANCED CARE  
PARAMEDICS

Cardiogenic Shock (Dopamine IV/IO/CVAD)	X	X
<b>ADVANCED CARE PROGRAM</b>	<b>GSPS</b>	<b>DNSSAB-PS</b>
<b>Core Directives v5.3 continued</b>		
Central Venous Access Device (CVAD access)	X	X
Combative Patient (Midazolam IM/IV/IN) (Ketamine IM)	X	X
Croup (Epinephrine 1:1000 NEB), (Dexamethasone PO)	X	X
Emergency Childbirth (Oxytocin IM)	X	X
Endotracheal and Tracheostomy Suctioning & Reinsertion	X	X
Home Dialysis Emergency Disconnect	X	X
Hyperkalemia (Calcium Gluconate IV/IO/CVAD) and (Salbutamol MDI/NEB/BVM)	X	X
Hypoglycemia (Dextrose IV/IO, Glucagon IM/IN)	X	X
Intravenous & Fluid Therapy (0.9% NaCl IV/IO/CVAD)	X	X
Medical Cardiac Arrest (Epinephrine 1:10 000 IV/IO/ETT/CVAD), (Lidocaine IV, IO, ETT, CVAD), Amiodarone IV, IO, CVAD)	X	X
Moderate to Severe Allergic Reaction (Epinephrine 1:1000 IM), (Diphenhydramine IV/IM)	X	X
Nausea and Vomiting (Dimenhydrinate IM/IV), (Ondansetron PO)	X	X
Newborn Resuscitation (Epinephrine 1:10,000 IV/IO/ETT)	X	X
Opioid Toxicity & Withdrawal (Naloxone SC/IM/IV/IN/IO)	X	X
Orotracheal Intubation (Lidocaine TOP)	X	X
Pediatric Intraosseous (IO) Infusion	X	X
Return of Spontaneous Circulation (ROSC) (Dopamine IV/IO/CVAD)	X	X
Seizure (Midazolam IV/IM/IN/BC/IO)	X	X
Supraglottic Airway (iGel)	X	X
Suspected Adrenal Crisis (Hydrocortisone Sodium Succinate IM/IV/IO/CVAD)	X	X
Symptomatic Bradycardia (Atropine IV/IO/CVAD), Dopamine IV/IO/CVAD)	X	X
Tachydysrhythmia Adenosine IV/IO, Lidocaine/Amiodarone IV/IO/CVAD)	X	X
Tension Pneumothorax	X	X
Trauma Cardiac Arrest	X	X
<b>Auxiliary Directives v5.3</b>		
Adult Intraosseous (IO) Infusion	X	X
Continuous Positive Airway Pressure (CPAP)	X	X
Cyanide Exposure (CYANOKIT/ Hydroxocobalamin IV)	X	
Headache – Special Event – (Acetaminophen PO)		X
Musculoskeletal Pain – Special Event (Acetaminophen PO)		X
Procedural Sedation – (Fentanyl IV/IO/CVAD/IN), (Midazolam IV/IO/CVAD/IN)	X	X
<b>Auxiliary Medications v5.3</b>		
Analgesia – (Fentanyl IV/IM/IO)	X	X
Combative Patient (Ketamine IV/IM)	X	X
Minor Abrasions – Special Event – (Antibiotic TOP)		X
Minor Allergic Reaction – Special Event – (Diphenhydramine PO)		X
Tachydysrhythmia (Amiodarone IV, IO, CVAD)		X

CATEGORY: Program Specific

SUBJECT: MEDICAL DIRECTIVES & SKILLS REGISTRY FOR PRIMARY AND ADVANCED CARE  
PARAMEDICS

<b>ADVANCED CARE PROGRAM</b>	<b>GSPS</b>	<b>DNSSAB-PS</b>
<b>Research Trial Directives/Patient Care Model Standards</b>		
Patellar Dislocation Research Protocol	X	X
Special Project Palliative Care	X	
<b>Research Trial Directives/Patient Care Model Standards Medications</b>		
Special Project Palliative Care - Hallucinations or Agitation: (Midazolam IV, SC, CVAD), (Haloperidol SC, IV, CVAD)	X	
Special Project Palliative Care - Nausea or Vomiting: Haloperidol SC, IV, CVAD), (Odansetron PO, SC, IV, CVAD), (Dimenhydrinate IV, IM, CVAD)	X	
Special Project Palliative Care – Pain or Dyspnea: (Morphine IV, SC, CVAD), (Hydromorphone SC, IV, CVAD), (Salbutamol MDI, NEB)	X	
Special Project Palliative Care – Terminal Congested Breathing: (Glycopyrrolate SC, IV, CVAD) or (Atropine IV, SC, CVAD)	X	

<b>ADVANCED CARE PROGRAM SKILLS</b>	<b>GSPS</b>	<b>DNSSAB-PS</b>
12 and 15 Lead ECG, Posterior, Right and STEMI Diagnosis	X	X
Advanced Airway (Endotracheal Intubation)	X	X
Advanced Airway Supraglottic)	X	X
Advanced Airway (Tracheal Tube Introducer Device)	X	X
Airway Foreign Body Removal (McGill Forceps)	X	X
Airway Suctioning and Deep Suctioning	X	X
Capnometry and Capnography (ETC02)	X	X
CPAP Therapy	X	X
Defibrillation	X	X
Intraosseous Therapy	X	X
Intravenous Therapy	X	X
Needle Thoracostomy	X	X
SpO2/SpCO	X	X
Synchronized Cardioversion	X	X
Tracheostomy Reinsertion	X	X
Transcutaneous Pacing	X	X
Treat and Refer	X	X
Treat and Discharge	X	X
Valsalva Maneuver	X	X

**References and Related Documents**

Emergency Health Services Branch Ministry of Health and Long Term Care –Advanced Life Support  
Patient Care Standards ALS PCS

CATEGORY: Program Specific

SUBJECT: MEDICAL DIRECTIVES & SKILLS REGISTRY FOR PRIMARY AND ADVANCED CARE  
PARAMEDICS**Timelines for Medical Directive/Skill Implementation/Removal**

Year	Month	Service	Modifications
2024	May	All	Addition of Seizure Treat and Discharge and Hypoglycemia Treat and Discharge Directives. Update of administration routes. Update of ALS PCS from 5.2 to 5.3. Added skills table.
2023	July	All	Chemical Exposure Directives (Cyanide) moves to Auxiliary
2023	July	CDPS	Addition of Special Project Palliative Care & Opioid Toxicity & Withdrawal – Buprenorphine/Naloxone
2023	February	All	Newborn Resuscitation replaces Neonatal Resuscitation Nausea/Vomiting, SGA and CVAD move to Core
2022	October	All	Zoll Rapid Shock Research Directive discontinued
2022	April	WAHA (Constance Lake Station ONLY)	Addition of Intravenous Fluid Therapy and Cardiogenic Shock
2022	January	Greater Sudbury	Special Project Palliative Care
2021	October	Greater Sudbury	Endotracheal – Nasal intubation remove
2020	November	ALL	Endotracheal and Tracheostomy Suctioning Medical Directive and Emergency Tracheostomy Tube Reinsertion Medical Directive removed and replaced with Endotracheal and Tracheostomy Suctioning & Reinsertion Medical Directives
2019	December	ALL	Addition of V4R & 15 Lead ECG Acquisition & Interpretation
2019	June	WAHA	Addition of Auxiliary CPAP Medical Directive
2019	December	ALL	Addition of Patellar Dislocation Research Protocol
2019	January	Manitoulin-Sudbury	Addition of Zoll Rapid Shock Research Protocol
2018	December	SSM, Algoma, Greater Sudbury, Nipissing, Parry Sound	Addition of Zoll Rapid Shock Research Protocol
2018	December	Greater Sudbury	Addition of Auxiliary Chemical Exposure Medical Directive – Administration of Antidotes for Cyanide Exposures (CYANOKIT)
2018	December	Nipissing & Greater Sudbury	Addition of ACP Auxiliary Medication Ketamine for Combative Patient Medical Directive
2018	December	All except Manitoulin-Sudbury	Addition of ACP/PCP Auxiliary Analgesia Medical Directive
2018	June	All	Addition of ACP/PCP Auxiliary Emergency Tracheostomy Tube Reinsertion Medical Directive
2018	June	Manitoulin-Sudbury	Addition of PCP Auxiliary Analgesia Medical Directive
2017	December	ALL	Emergency Child Birth
2017	July	ALL	Addition of Endotracheal Tube Suctioning
2017	July	ALL	Addition of Suspected Adrenal Crisis
2017	July	ALL	Home Dialysis move to core directives
2016	November	Temiskaming	Addition of Auxiliary Chemical Exposure Medical Directive – Administration of Antidotes for Cyanide Exposures (CYANOKIT)
2016	October	Temiskaming, Algoma, WAHA, Parry Sound, & Cochrane.	Addition of PCP Auxiliary Home Dialysis Emergency Disconnect
2016	May	SSM	Addition of PCP Auxiliary Home Dialysis Emergency Disconnect
2016	April	ALL	Addition of PCP 12 Lead ECG Interpretation
2016	April	Greater Sudbury & Sault Ste. Marie	Addition of PCP Auxiliary Home Dialysis Emergency Disconnect
2016	January	Greater Sudbury	Addition of Autonomous PCP IV

CATEGORY: Program Specific

SUBJECT: MEDICAL DIRECTIVES &amp; SKILLS REGISTRY FOR PRIMARY AND ADVANCED CARE PARAMEDICS

2015	December	Manitoulin-Sudbury	Addition of PCP Auxiliary Home Dialysis Emergency Disconnect
2015	December	Algoma	Addition of 12 Lead ECG Acquisition
2015	June	Greater Sudbury & Nipissing	Addition of ACP Hyperkalemia Medical Directive (Calcium Gluconate and Salbutamol)
2015	June	ALL	Addition of PCP Opioid Toxicity Medical Directive (Naloxone)
2015	June	ALL	Addition Adult Analgesia Medical Directive
2014	November	ALL	Addition PCP Manual Defibrillation
2014	August	Greater Sudbury & North Bay	Addition of ACP Auxiliary Home Dialysis Emergency Disconnect
2014	July	ALL	Addition of Auxiliary Analgesia Medical Directive
2014	June	Manitoulin Sudbury	Addition of 12 Lead ECG Acquisition
2014	April	Cochrane	Addition of Auxiliary Chemical Exposure Medical Directive – Administration of Antidotes for Cyanide Exposures (CYANOKIT)
2014	May	Sault Ste Marie	Addition of Special Events Medical Directives
2014	February	North Bay	Removal of Nasal Tracheal Intubation
2013	December	Greater Sudbury	Addition of Pediatric Pain Medical Directive
2013	December	North Bay	Addition of Pediatric Pain Medical Directive
2013	July	North Bay	Addition of Auxiliary Central Venous Access Device (CVAD access)
2013	April	Timiskaming	Addition of 12 Lead ECG Acquisition
2013	April	James Bay	Addition of 12 Lead ECG Acquisition
2013	March	Sensnbrenner	Addition of Autonomous PCP IV
2013	March	Notre Dame	Addition of Autonomous PCP IV
2013	March	Cochrane	Addition of Autonomous PCP IV
2012	November	North Bay	Addition of Adult Intraosseous (IO)
2012	June	Manitoulin Sudbury	Addition of CPAP
2012	June	Cochrane	Addition of CPAP
2012	June	Notre Dame	Addition of CPAP
2012	June	Sensnbrenner	Addition of CPAP
2012	May	North Bay	Addition of 12 Lead ECG Acquisition
2012	May	Temagami	Addition of 12 Lead ECG Acquisition
2012	May	Mattawa	Addition of 12 Lead ECG Acquisition
2011	November	All	Transition to ALS PCS Version 3.0
2011	June	Parry Sound	Addition of 12 Lead ECG Acquisition
2011	May	Temagami	Addition of CPAP
2011	April	Algoma	Addition of CPAP
2011	May	ALL	Removal of Auxiliary Taser Probe Removal
2010	January	Greater Sudbury	Addition of 12 Lead ECG Interpretation to Scope of Practice for Sudbury ACP
2010	March	North Bay	Addition of 12 Lead ECG Interpretation to Scope of Practice for North Bay ACP
2010	April	Greater Sudbury	Addition of 12 Lead ECG Acquisition to Scope of Practice for PCPs
2010	April	Greater Sudbury	Addition of CPAP
2010	April	North Bay	Addition CPAP
2010	April	Parry Sound	Addition CPAP
2010	July	Sault Ste Marie	Pediatric Attenuator Cables
2010	August	North Bay	Removal of Lasix
2009	December	North Bay	Removal of Flumazenil
2009	September	James Bay	Pediatric Attenuator Cables
2009	August	Parry Sound	Removal of PCP Rectal Valium
2009	April	All	Addition of King LT