

	Protocol Name	
1.1	GENERAL PRE HOSPITAL CARE	no change but addition of new protocols
1.2	ABDOMINAL PAIN NON-TRAUMATIC	added language about 12 lead
1.3	NAUSEA & VOMITING	Isopropyl alcohol language and diphenhydramine
1.4	SYNCOPE	check BGL and stroke
1.5	SHOCK	TXA removed and put in hemorrhagic shock protocol, mention BCON and Head Injury protocols
1.6	ANAPHYLAXIS/ALLERGIC REACTION	Draw up epi for MFR and BLS and albuterol for BLS, distinction between Severe and not severe
1.7	ADRENAL CRISIS	no changes
1.8	BEHAVIORAL EMERGENCIES	no changes
1.8(S)	PRE-HOSPITAL-ED COORDINATION AND MANAGEMENT OF PSYCHIATRIC PATIENTS	no changes
1.9	OPIOID OVERDOSE TREATMENT AND PREVENTION	new with leave behind language in this protocol. Also can leave narcan for patient over 15 years old.
1.10	FOREIGN BODY AIRWAY OBSTRUCTION	new but taken out of emergency airway and made into own protocol
2.1	ADULT/PEDIATRIC TRAUMA TRIAGE	red and yellow criteria
2.2	GENERAL TRAUMA	mention head injury but just to refer you to head injury protocol
2.3	BURNS	use of LR for fluid, burn severity definitions and more guidelines for transport
2.4	GENERAL CRUSH INJURY	rearrange order of when to give meds, no real changes
2.5	SOFT TISSUE AND ORTHOPEDIC INJURIES	just added reference to other protocols such as BCON, hemorrhagic shock, antibiotic section but not selected by HEMS
2.6	SPINAL INJURY ASSESSMENT	no changes
2.7	TRAUMATIC ARREST	more procedures are added, changes to protocols names updated. More treatment guidelines listed.
2.8	DROWNING/SUBMERSION INJURY	70 degrees if the water temp
2.9	POISONING/OVERDOSE/ENVIRONMENTAL EXPOSURE	refer to a lot of other protocols. Something to review
2.10	HEAT EMERGENCIES	when training mention no drinks with caffeine
2.11	HYPOTHERMIA/FROSTBITE	no changes
2.12	HEAD INJURY (TBI)	new and should be review
2.13	BLEEDING CONTROL (BCON)	new and should be review
2.14	HEMORRHAGIC SHOCK	new and should be review
2.15	SEXUAL ASSAULT	no changes just renumbered
3.1	ALTERED MENTAL STATUS	things to consider for the AMS
3.2	STROKE OR SUSPECTED STROKE	this is our protocol but the order has change, BGL is earlier
3.3	RESPIRATORY DISTRESS	draw up epi is now in the protocol
3.4	SEIZURES	eclampsia is 4 gm of mag over 10 minutes
3.5	SEPSIS	ETCO2 is not optional anymore and all ALS and LALS vehicle have to have
3.6	HYPERACTIVE DELIRIUM SYNDROME WITH SEVERE AGITATION	name change from excited delirium, ETCO2 and temperature added, removed bicarb and calcium
3.7	CRASHING ADULT/IMPENDING ARREST	new and should be reviewed
4.1	PEDIATRIC MEDICATION EMERGENCY DOSING AND INTERVENTION CARDS	no changes
4.2	CHILD BIRTH AND OB EMERGENCIES	apgar removed, management of mom added, review this
4.3	NEWBORN/NEONATAL ASSESSMENT AND RESUSCITATION	Apgar explained and treatment is with each letter of the score
4.4	PEDIATRIC ALTERED MENTAL STATUS	MI-MEDIC information in protocol
4.5	PEDIATRIC RESPIRATORY DISTRESS, FAILURE OR ARREST	draw up epi in protocol
4.6	PEDIATRIC FEVER	we are only using acetaminophen
4.7	PEDIATRIC SEIZURES	MI-MEDIC information in protocol
4.8	SAFE TRANSPORT OF CHILDREN IN AMBULANCES	Flow chart added
4.9	PEDIATRIC CRASHING PATIENT/IMPENDING ARREST	new and should be reviewed
5.1	GENERAL CARDIAC ARREST	vector change and when to do it., BLS/LALS instructions when no ROSC

5.2	BRADYCARDIA	no changes
5.3	TACHYCARDIA	cardioversion-manufacturer guidelines, valsalva maneuver, narrow and wide complex separated
5.4	PULMONARY EDEMA/CARDIOGENIC SHOCK	what to do with crackles
5.5	CHEST PAIN/ACUTE CORONARY SYNDROME	fentanyl only, no morphine in protocol
5.5 (S)	TRANSPORT OF SUSPECTED AMI	no changes, Old HEMS 8.4
5.6	ROSC ADULT	HEMS 1.9 old, no changes
6.1	PEDIATRIC CARDIAC ARREST-GENERAL	BLS/LALS instructions when no ROSC
6.2	PEDIATRIC BRADYCARDIA	Signs of cardiopulmonary compromise
6.3	PEDIATRIC TACHYCARDIA	Stable and unstable separated
6.4	PEDIATRIC ROSC	HEMS 1.9 old, now specific to peds
7.1	12-LEAD ECG	EMT/Specialist obtain and transmit ECG
7.2	CHILD ABUSE AND NEGLECT	updated CPS form
7.3	CRIME SCENE MANAGEMENT	no change
7.3(S)	MEDICAL RESPONSE TO A CRIME SCENE	no change
7.4	VULNERABLE ADULT ABUSE, NEGLECT OR EXPLOITATION	new
7.5	CPAP	BLS to carry as well and need to be trained in use
7.6	DEAD ON SCENE/TERMINATION OF RESUSCITATION	Combined 7.6 and 7.21
7.6 (S)	DEAD ON SCENE SUPPLEMENT	This was 7.6 S2 and now 7.6 S with no change
7.7	DO NOT RESUSCITATE	no change
7.8	ELECTRICAL THERAPY	reference vector change
7.8 (S)	DOUBLE SEQUENTIAL DEFIBRILLATION (MCA OPTIONAL)	adopted and new protocol
7.9	AIRWAY MANAGEMENT	Igel, Air QSP3, air QSP3G, King airway, MFR use Igel only
7.10	HELMET REMOVAL	name change
7.11	IMPEDENCE THRESHOLD DEVICE (MCA OPTIONAL)	adopted and no change
7.12	OXYGEN ADMINISTRATION	no change
7.13	PAIN MANAGEMENT	no change
7.13 (S)	PAIN MANAGEMENT SUPPLEMENT	Hess memo as a protocol.
7.14	PATIENT ASSESSMENT	no change
7.15	DOCUMENTATION AND PATIENT CARE RECORDS	added stuff about confidentiality
7.15 (S)	EPCR-PCR AND TRANSFER OF CARE	this was 7.15 S2 and now 7.15 S with no change
7.16	PATIENT RESTRAINT	
7.17	PATIENT PROCEDURAL SEDATION	
7.18	PLEURAL DECOMPRESSION	
7.19	REFUSAL OF CARE; ADULT AND MINOR	Emancipated minor is an active duty with the armed forces of the US
7.20	SPINAL PRECAUTIONS	Indication is patient over 65 with evidence of a head strike mechanism
7.21	BLOOD GLUCOSE LEVEL TESTING	New,, MFR can do Blood glucose testing
7.22	TOURNIQUET APPLICATION	TQ can be put high on limb and over clothes
7.23	VASCULAR ACCESS & IV FLUID THERAPY	no change
7.24	END TIDAL CARBON DIOXIDE MONITORING	EMT can utilize capnography
7.25	MI POST	No change just a renumber
7.26 (S)	MICHIGAN PHYSICIAN ORDER FOR SCOPE OF TREATMENT	No change just a renumber
7.26	INTERFACILITY HIGH FLOW NASAL OXYGEN (MCA OPTIONAL)	keep ours 8.15 S 3, not adopting State 7.26
7.27	TRANSPORT OF ADULT VENTILATOR DEPENDENT PATIENTS	keep 8.15 S1, adopting state as well, this allows responding 911 agencies to transport a ventilator patient with a caregiver
7.28	LVAD	make sure to add for U of M and Henry Ford
7.29	MECHANICAL CPR DEVICE (MCA OPTIONAL)	adopted and added devices
7.30	ACTIE COMPRESSOR DECOMPRESSION DEVICE (MCA OPTIONAL)	adopted

8.1	DOWNGRADE OF RESPONSE	name change, no other changes
8.2	PATIENT PRIORITIZATON AND USE OF LIGHTS AND SIRENS	changes to using lights and sirens when responding and transporting
8.3	TRANSPORT DESTINATION AND DIVERSION	Transportation procedure added
8.3 (S)	EMERGENCY FACILITIES LIMITATION POLICY	No changes
8.4	OB HIGH RISK DELIVERY TRANSPORT GUIDELINES (MCA OPTIONAL)	adopted and refer to capability chart for hospitals to transport to
8.5	ALS/LALS INTERCEPT (MCA OPTIONAL)	adopted and need to review
8.6	DISPATCH	
8.6 (S1)	EMERGENCY MEDICAL DISPATCH PROVIDER CRITERIA FOR ENDORSEMENT	HEMS 8.7 renumbered to 8.6 (S1), no chnages
8.6 (S2)	MIKE ECHO UNIT TREATMENT AND TRANSPORT COORDINATION	HEMS 8.6 renumber to 8.6 (S2), no changes
8.7	ALS TO BLS TRANSFER OF CARE (MCA OPTIONAL)	adopted and need to review
8.8	AIR AMBULANCE PERSONNEL SCOPE OF PRACTICE (MCA OPTIONAL)	adopted.
8.9	HELICOPTER UTILIZATION	Keeping HEMS, no changes
8.10	INFECTION CONTROL AND COMMUNICABLE DISEASE	
8.11	IMMUNIZATION AND TESTING	used to be HEMS 10.8
8.12	COMMUNICATIONS FAILURE	was part of general operation now own protocol
8.12 (S)	RADIO FAILURE REPORT	HEMS 8.8 (S) renumbered to 8.12 (S), no changes
8.13	ELECTRONIC RECORDS & EMS INFORMATION SYSTEM	take place of HEMS 7.15 (S1)
8.14	PROTECTED HEALTH INFORMATION (PHI)	
8.15	INTER-FACILITY PATIENT TRANSFERS	Hems protocols with no changes
8.15 (S1)	TRANSPORT OF ADULT NON-CRITICAL VENTILATOR DEPENDENT PTS	
8.15 (S2)	CRITICAL CARE PATIENT INTERFACILITY TRANSPORT CURRICULUM	
8.15 (S3)	HEATED HIGH FLOW NASAL CANNULA	
8.15 (S4)	NITROGLYCERIN AND HEPARIN DRIP INTERFACILITY PROTOCOLS	renumbered from 5.6
8.16	LICENSURE LEVEL REQUIREMTN OF ATTENDANT DURING TRANSPORT (MCA OPTIONAL)	ALS still Medic/Specialist
8.16 (S)	LIFE SUPPORT UNIT PERSONNEL STAFFING REQUIREMENT	HEMS 8.16 renumbered to 8.16 S, no changes
8.17	MEDICAL CONTROL PRIVILEGES	everyone to have ICS 100 & 700, System orientation, protocol knowlegde, clinical ocmpetency
8.17 (S1)	PRE-HOSPITAL EQUIPMENT RESPONSIBILITY	HEMS 8.12 and renumbered to 8.17 S1, there are changes
8.17 (S2)	ADDITIONAL EQUIPMENT AND TRAINING	HEMS 8.13 and renumbered to 8.17 S2, there are changes
8.18	RESPONSIBILIITES OF PARTICIPANTS IN THE MCA SYSTEM	No changes
8.19	ON-SCENE PHYSICIAN INTERACTION	
8.19 (S)	SCENE AND PATIENT MANAGEMENT	HEMS 8.19 renumbered to 8.19 (S), no changes
8.20	PROTOCOL DEVIATION	remove from HEMS 8.8
8.21	VIOLENT/CHEMICAL/HAZARDOUS SCENE	no changes
8.22	MEDICAL EXAMINER NOTIFICATION AND BODY DISPOSITION	take place of HEMS 7.6 (S1)
8.23	SAFE DELIVER OF NEWBORNS	no changes
8.24	COMPLAINT INVESTIGATION & RESOLUTION	combined 8.24 and 8.26 together, should review 8.24-8.27 (S)
8.25	DISCIPLINARY ACTION APPEAL	
8.26	EMS PROVIDER CRIMINAL CHARGES AND CONVICTIONS	
8.27	QUALITY IMPROVEMENT PROGRAM	
8.27 (S)	INTEGRATED AGENCY-SYSTEM QUALITY IMPROVEMENT PLAN	
8.28	EVIDENTIARY BLOOD DRAW (MCA OPTIONAL)	not adopting
8.29	General Operation	HEMS 8.8 renumbered to 8.29 with changes, need to review
8.29 (S1)	ACCESS TO THE HEMS COMMUNICATION SYSTEM	HEMS 8.20 renumbered to 8.29 S1, no changes
8.29 (S2)	EMS COMMUNICATIONS INTEROPERABILITY	HEMS 8.20 (S) renumbered to 8.29 S2, no changes
8.29 (S3)	TRANSFER OF CARE (HAND-OFF) PROTOCOL	HEMS 8.29 renumbered to 8.29 (S3), changes to language at end, need to review
8.30	HOSPICE PATIENT COORDINATION OF SERVICES	no changes

8.31	ALTERNATIVE EMS RESPONSE TEAM	No changes
8.31 (S)	SPECIAL EVENT MEDICATION DRUG BOX	No changes
9.1	MEDICATION ADMINISTRATION	
9.2	MEDICATION SUBSTITUTION	check for substitutions
9.3	MEDICATION SHORTAGE	
9.4	METERED DOSE INHALER (MCA OPTIONAL)	
9.5	IV ANCILLARY SUPPLY EXCHANGE	
9.6	SE Michigan Medication Exchange and Replacement Procedure	
9.6 (S1)	MFR-BLS NALOXONE MEDICATION KIT-STOCKING AND EXCHANGE	
9.6 (S2)	BLS NEBULIZED BRONCHODILATOR MEDICATION KIT-STOCKING AND EXCHANGE	
9.7	EPINEPHRINE AUTO-INJECTOR PROCEDURE	Not Adopting
9.8	NALOXONE MEDICATION KIT CONTENTS AND DISTRIBUTION PROCEDURE (MCA OPTIONAL)	
9.9	MEDICATION GENERAL	
9.10	ACETAMINOPHEN	
9.11	ADENOSINE	
9.12	ALBUTEROL	
9.13	AMIODARONE	
9.14	ASPIRIN	
9.15	ATROPINE	
9.16	CALCIUM CHLORIDE	
9.17	CEFAZOLIN	new
9.18	CEFTRIAZONE	new
9.19	DEXTOSE	
9.20	DIAZEPAN	
9.21	DILTIAZEM	new
9.22	DEPHENHYDRAMINE	
9.23	EPINEPHRINE	
9.24	FENTANYL	
9.25	GLUCAGON	
9.26	HYDROXOCOBALAMIN	
9.27	IBUPROFEN	
9.28	IPRATROPIUM BROMIDE	
9.29	KEAMINE	
9.30	KETORALAC	
9.31	LIDOCAINE	
9.32	MAGNESIUM SULFATE	
9.33	METHLPREDNISOLONE	
9.34	MIDAZOLAM	
9.35	MORPHINE	
9.36	MALOXONE	
9.37	NITROGLYCERIN	
9.38	ONDANSETRON	
9.39	PRALIDOXIME	new
9.40	PREDNISON	
9.41	SODIUM BICARBONATE	
9.42	RACEPINEPHRINE	new
9.43	TETRACAINE	

9.44	TRANSEXAMIC ACID	
9.45	VERAPAMIL	new
9.46	CARDIZEM	
9.47	ACETYLCYSTEINE (MUCOMYST)	
9.48	MAGNESIUM SULFATE	
9.49	TISSUE PLASMINOGEN ACTIVATOR (TPA)	
9.50	OCTREOTIDE	
9.51	FUROSEMIDE	
9.52	LEVETIRACETAM	
9.53	PBLOOD PRODUCT ADMINISTRATION	
9.54	GLYCOPROTEIN 2B3A INHIBITORS	
9.55	2-PAM CHLORIDE-DUODOTE	
9.56	DOPAMINE	
9.57	HYDROMORPHONE	
9.58	LORAZEPAN	
10.1	GENERAL CBRNE IDENTIFICATION OF AGENTS	No changes
10.2	CHEMICAL EXPOSURE	No changes
10.3	NERVE AGENT/ORGANOPHOSPHATE PESTICIDE EXPOSURE TREATMENT	No changes
10.4	CHEMPACK/MEDDRUN	No changes
10.5	CYANIDE EXPOSURE	No changes
10.6	MASS CASUALTY INCIDENTS	No changes
10.6 (S)	HEMS MULTIPLE PATIENT INCIDENTS - QUICK GUIDE	No changes
10.7	PRE-HOSPITAL (EMS) MCA MUTUAL AID DURING DISASTER	No changes
10.7 (S1)	WAYNE COUNTY-MONROE COUNTY COORDINATION OF SERVICES AGREEMENT	No changes
10.8	HAZARD CONTAMINATED PATIENT	No changes
10.9	SUSPECTED PANDEMIC	No changes
10.10	SPRN TRANSPORT AND DESTINATION GUIDELINES (MCA OPTIONAL)	No changes
10.11	SPRN PATIENT CONTAMINATION ALGORITHM (MCA OPTIONAL)	No changes
10.12	SPRN TRANSPORT SUPPLIES (MCA OPTIONAL)	No changes
10.13	SPRN TRANSPORT PROCEDURE (MCA OPTIONAL)	No changes
10.14	SPRN PATIENT CARE DURING TRANSPORT OF SUSPECTED HIGHLY INFECTIOUS AGENT (MCA OPTIONAL)	No changes
10.15	SPRN AMBULANCE CLEANING AND DISINFECTION (MCA OPTIONAL)	No changes
10.16	SPRN MEDICAL ISOLATION TRANSPORT DEVICE (MCA OPTIONAL)	No changes
10.17	SPRN TEAM SELECTION PROCEDURE (MCA OPTIONAL)	No changes
10.18	SPRN DEATH DURING TRANSPORT (MCA OPTIONAL)	No changes
10.19	HAZARDOUS MATERIAL PROCEDURE	No changes
10.20	HAZARDOUS MATERIALS- MEDICAL TREATMENT	No changes
10.21	RADIATION EMERGENCY PROCEDURE	No changes
10.22	INCIDENTS INVOLVING SUSPICIOUS POWDERS	No changes