



County of Sacramento

Date: October 28, 2016
To: All EMS Stakeholders
From: David Magnino, EMS Administrator
Sacramento County Emergency Medical Services Agency (SCEMSA)
Subject: ***New State NEMSIS Data Set Pick List***

The attached letter from the State Emergency Medical Services Authority (EMSA) details efforts by EMSA to streamline selected pick lists for use with data submitted to California Emergency Medical Services Information System (CEMSIS). These selected pick lists assist with collecting accurate and consistent patient data throughout the State by all EMS providers. The selected pick lists are in the following categories of NEMSIS V3.4 fields:


- Cause of Injury (eInjury.01)
- Primary Symptom (eSituation.09)
- Provider Primary (eSituation.11) and Secondary Impression (eSituation.12)
- Location Type (eScene.09)

The lists are now available on the EMSA website at: <http://www.emsa.ca.gov/CEMSIS>. The remaining data elements at are listed on the NEMSIS v3.4 dataset as '**National and State – mandatory and required**' and '**State – recommended**' shall be collected and reported by Sacramento County ALS providers. At this time, SCEMSA will not be collecting or reporting to the State any of the 'optional' data elements.

Please work closely with your software vendors to ensure your agency will be NEMSIS v3 compliant by midnight on December 31, 2016, as required by Section 1797.227 of the Health and Safety Code.

If you have any questions, please do not hesitate to contact me at (916) 875-9708 or via email at magninod@saccounty.net.

Sincerely,


David Magnino, EMT-P / B.S.
EMS Administrator

Attachment

EMERGENCY MEDICAL SERVICES AUTHORITY

10901 GOLD CENTER DR., SUITE 400
RANCHO CORDOVA, CA 95670
(916) 322-4336 FAX (916) 322-1441



DATE: October 18, 2016
TO: Local EMS Administrators
FROM: Howard Backer, MD, MPH, FACEP
Director

A handwritten signature in blue ink that reads "Howard Backer".

SUBJECT: Release of California Specific NEMSIS Data Set Pick Lists

The purpose of this document is to share EMSA's efforts on streamlining selected pick lists for use with data submitted to CEMSIS. To assist California EMS providers in collecting accurate and consistent patient data, EMSA and the Executive Data Advisory Group (EDAG) have revised four pick lists to simplify the choices in the following NEMSIS 3.4 fields:

- Cause of Injury (eInjury.01);
- Primary Symptom (eSituation.09);
- Provider Primary (eSituation.11) and Secondary Impression (eSituation.12); and
- Location Type (eScene.09)

These lists are now available at: <http://www.emsa.ca.gov/CEMSIS>. These lists apply to all current versions of the NEMSIS Data Dictionary and will be updated as necessary. EMSA will work collaboratively with EDAG to evaluate additional pick lists in the future aimed at improving CEMSIS data.

Please contact either Tom McGinnis at Tom.mcginis@emsa.ca.gov; 916-431-3695 or Kathleen Bissell at Kathy.bissell-benabides@emsa.ca.gov; 916-431-3687 with any questions concerning this memo.

SCEMSA CEMSIHopsital Code Worksheet

Hospital name	CEMSIS Code	Hospital Address	County
Kaiser Permanente, Morse	20197	2025 Morse Ave, Sac., CA, 95825	Sacramento
Kaiser Permanente, South Sac	20205	6600 Bruceville Rd, Sac., CA, 95823	Sacramento
Mercy General Hospital	20280	4001 J St, Sac., CA, 95819	Sacramento
Mercy Hospital Folsom	20282	1650 Creekside Dr, Folsom, CA, 95630	Sacramento
Mercy San Juan Medical Center	20286	6501 Coyle Avenue, Carmichael, CA, 95608	Sacramento
UC Davis Medical Center	20508	2315 Stockton Blvd, Sac, CA, 95817	Sacramento
Methodist Hospital	20288	7500 Hospital Drive, Sac., CA, 95823	Sacramento
VA Medical Center	20549	10535 Hospital Way, Mather, CA, 95655	Sacramento
Sutter Medical Center Sacramento	20475	2801 L St, Sac., Ca, 95816	Sacramento
Kaiser Permanente, Roseville	20196	1600 Eureka Rd, Roseville, CA, 95661	Placer
Sutter Medical Center Roseville	20481	1 Medical Plaza Dr, Roseville, CA, 95661	Placer
Sutter Auburn Faith Hospital	20470	11815 Education St, Auburn, CA, 95602	Placer
Sutter Davis Hospital	20473	2000 Sutter Place, Davis, CA, 95616	Yolo
Woodland Memorial Hospital	20533	1325 Cottonwood St, Woodland, CA, 95695	Yolo
Marshall Medical Center	20272	1100 Marshall Way, Placerville, CA, 95667	Eldorado
Lodi Memorial Hospital	20247	975 South Fairmont Ave, Lodi, CA, 95240	San Joaquin
Dameron Hospital	20094	525 West Acacia, Stockton, CA, 95203	San Joaquin
San Joaquin General Hospital	20391	500 West Hospital Rd, French Camp, CA, 95231	San Joaquin
Saint Joseph's Medical Center	20457	1800 N California St, Stockton, CA, 95204	San Joaquin

Sacramento Coroners	1055		
Sacramento County Mental Health	20378	2150 Stockton Blvd	
Sierra Vista Hospital	20430	8001 Bruceville Road	
Sutter Center for Psychiatry	20471	7700 Folsom Blvd	

SCEMSA CEMIS Medication Worksheet

EMS Term	(RxNorm) Code Value	RxNorm Description
Adenosine (e.g., Adenocard)	296	Adenosine
Albuterol (e.g., Proventil, Ventolin, AccuNeb)	435	Albuterol
Amiodarone (e.g., Cordarone)	703	Amiodarone
Aspirin	1191	Aspirin
Atropine	1223	Atropine
Atropine / Pralidoxime Auto-Injector (e.g., Duodote)	1659108	Atropine / Pralidoxime Auto-Injector
D10 (Dextrose 10% per 250 ML)	1795480	250 ML Glucose 100 MG/ML Injection
D25 (Dextrose 25%)	260258	Glucose 250 MG/ML Injectable Solution
D50 (Dextrose 50% solution)	237653	Glucose 500 MG/ML Injectable Solution
Diazepam (e.g., Valium)	3322	Diazepam
Diphenhydramine (e.g., Bendadryl)	3498	Diphenhydramine
Dopamine	3628	Dopamine
Epi 1:1,000 (Epinephrine 1 mg/ml)	328316	Epinephrine 1 MG/ML
Epi 1:10,000 (Epinephrine 0.1 mg/ml)	317361	Epinephrine 0.1 MG/ML
Epinephrine 0.01 mg/ml (Epi 1:100,000) [Push Dose Epi]	330545	Epinephrine 0.01 mg/ml
Epinephrine Auto-Injector, Adult (0.3 ml of Epi 1.0 mg/ml)	727345	0.3 ML Epinephrine 1 MG/ML Auto-Injector
Epinephrine Auto-Injector, Junior (0.3 ml of Epi 0.5 mg/ml)	727316	0.3 ML Epinephrine 0.5 MG/ML Auto-Injector
Epinephrine, Racemic HCl	314610	Epinephrine, Racemic Hydrochloride
Fentanyl	4337	Fentanyl
Glucagon	4832	Glucagon
Glucose Oral Gel (e.g., Glucose, Insta-Glucose)	377980	Glucose Oral Gel
Hetastarch (e.g., Hespan, Hextend)	5531	Hetastarch
Lactated Ringers (e.g., LR, RL)	1008377	Calcium Chloride / Lactate / Potassium Chloride / Sodium Chloride
Lidocaine	6387	Lidocaine
Lubricating Jelly	324028	Lubricating Jelly
Midazolam	6960	Midazolam
Morphine	7052	Morphine
Naloxone (e.g., Narcan)	7242	Naloxone
Nitroglycerin	4917	Nitroglycerin
Nitro Paste RxNorm	1295573	Nitroglycerin Transdermal Product
Normal Saline 0.9% Infusion Solution (Sodium Chloride 0.9%)	313002	Sodium Chloride 0.154 MEQ/ML Injectable Solution
Normal Saline, irrigation	373902	Sodium Chloride Irrigation Solution
Ondansetron (e.g., Zofran)	26225	Ondansetron
Oxygen	7806	Oxygen
Potassium Chloride ≤ 40mEq/L (monitor and adjust IV solutions containing KCl)	8591	Potassium Chloride
Pralidoxime (e.g., Protopam) (2-PAM HCl)	34345	pralidoxime
Sodium Bicarbonate	36676	Sodium Bicarbonate
Sterile Water	107129	sterile water

SCEMSA - CEMIS Procedure list

<i>First Tier Hierarchy</i>	<i>Second Tier Hierarchy</i>	<i>Underlying SNOMED CT Code</i>	<i>SNOMED CT Description</i>
Airway-Basic			
	Airway Device Removal	232708009	Removal of device from airway (procedure)
	Airway Opened	232664002	Manual establishment of airway (procedure)
	Assisted Ventilations (via Mask)	425447009	Bag valve mask ventilation (procedure)
	Assisted Ventilations (via Tube)	243140006	Lung inflation by intermittent compression of reservoir bag (procedure)
	CPAP	47545007	Continuous positive airway pressure ventilation treatment (regime/therapy)
	ETCO2 Colorimetric Detection	428482009	Colorimetric respired carbon dioxide monitoring (regime/therapy)
	Foreign Body Removal	232707004	Removal of foreign body from airway (procedure)
	Heimlich Maneuver	23690002	Heimlich maneuver (procedure)
	Mouth-to-Mask/Mouth Ventilation	243180002	Expired air ventilation (procedure)
	Nasal Airway Insertion	182692007	Nasopharyngeal airway insertion (procedure)
	Oral Airway Insertion	7443007	Insertion of oropharyngeal airway (procedure)
	Suction Airway	230040009	Airway suction technique (procedure)
Airway-Advanced			
	Cricothyrotomy, Needle	232689008	Percutaneous cricothyroidotomy (procedure)
	Direct Laryngoscopy	78121007	Direct Laryngoscopy
	ETCO2 Digital Capnography	425543005	Digital respired carbon dioxide monitoring (regime/therapy)
	Intubation, Existing Tracheostomy Stoma	232685002	Insertion of tracheostomy tube (procedure)
	Intubation, Oral	232674004	Orotracheal intubation
	Intubation, Oral using Bougie Device	450601000124103	Orotracheal intubation using Bougie Device (procedure)
	Intubation Reassessment	225718003	Intubation Reassessment
	Supraglottic Airway, Single Lumen (i.e. King)	450611000124100	Insertion of Single Lumen Supraglottic Airway Device (procedure)
	Transtracheal Jet Insufflation	448442005	Transtracheal jet ventilation (procedure)
Assessment			
	Advanced Spinal Assessment (i.e., spinal clearance)	445828009	Assessment using functional capacity evaluation (procedure)
	Glucose measurement, blood (33747003)	33747003	Glucose measurement, blood (33747003)
	Isolation Precautions	409582008	Isolation Precautions
	Orthostatic Vital Signs	425058005	Taking orthostatic vital signs (procedure)
	Patient Position Change	225286008	Patient Position Change
	Psychiatric Hold Status	170677006	Psychiatric Hold Status
	Physical Assessment	422618004	Continuous physical assessment (procedure)
	Pulse oximetry (252465000)	252465000	Pulse oximetry (252465000)
Cardiac			
	3 Lead ECG Obtained	428803005	3 lead electrocardiographic monitoring (procedure)
	12 Lead ECG Obtained	268400002	12 lead electrocardiogram (procedure)
	Cardioversion	250980009	Cardioversion (procedure)
	Chest Compressions (Mechanical Device)	429283006	Mechanically assisted chest compression (procedure)
	CPR, Manual	89666000	Cardiopulmonary resuscitation (procedure)
	Defibrillation, AED	450661000124102	Defibrillation using Automated External Cardiac Defibrillator (procedure)
	Defibrillation, Manual	426220008	External ventricular defibrillation (procedure)
	EKG Type - Patches/Paddles	428803005	EKG Type - Patches/Paddles
	Impedance Threshold Device	441893003	Active compression decompression cardiopulmonary resuscitation with use of inspiratory impedance threshold device (procedure)
	Left Ventricular Assist Device Care	386237008	Circulatory care: mechanical assist device (regime/therapy)
	Pacing, Cardiac	18590009	Cardiac pacing (procedure)
	Precordial Thump	225708008	Precordial thump (procedure)
	Vagal Maneuver	128968000	Vagal stimulation physiologic challenge (procedure)
Chest/Thoracic			
	Needle Decompression	182705007	Tension pneumothorax relief (procedure)
CNS			
General - Not otherwise classified			
	Contact Medical Control	304562007	Informing doctor (procedure)
	Decontamination	409530006	Decontamination (procedure)
	Eye Irrigation	49999004	Irrigation of eye (procedure)
	Monitoring of Preexisting Devices and Interventions	182777000	Monitoring of patient (regime/therapy)
	Patient Cooling (Cold Pack or General)	431774007	Active external cooling of subject (procedure)
	Patient Warming (Warm Pack or General)	431949004	Active external warming of subject (procedure)
	Restraint Applied, Chemical	406164000	Chemical restraint (procedure)
	Restraint Applied, Physical	386423001	Physical restraint (procedure)
GI/GU			
	Gastro Intestinal Tube Maintenance	384745002	Maintenance of gastrointestinal tract tube (procedure)
Musculoskeletal			
	Reduction of Dislocated Joint	58825001	Closed reduction of dislocation (procedure)

<i>First Tier Hierarchy</i>	<i>Second Tier Hierarchy</i>	<i>Underlying SNOMED CT Code</i>	<i>SNOMED CT Description</i>
	Immobilization using Long Board	450591000124106	Immobilization using long board (procedure)
	Immobilization using Short Extrication Splint	707794004	Immobilization using extrication splint (procedure)
	Spinal Immobilization, Cervical	398041008	Cervical spine immobilization (procedure)
	Spinal Immobilization, Full	426498007	Stabilization of spine (procedure)
	Splinting, General	79321009	Application of splint (procedure)
	Splinting, Traction	302488007	Application of traction using a traction device (procedure)
OB			
	Childbirth	236973005	Delivery procedure (procedure)
Soft Tissue			
	Burn Care	133901003	Burn care (regime/therapy)
	General Wound Care	225358003	Wound care (regime/therapy)
	Hemostatic Agent	372045002	Application of chemical hemostatic agents (procedure)
	Occlusive Dressing	22206003	Application of dressing, occlusive plastic (procedure)
	Pressure Dressing	26906007	Application of dressing, pressure (procedure)
	Tourniquet	20655006	Application of tourniquet (procedure)
	Wound Irrigation	225116006	Irrigation of wound (procedure)
Vascular Access			
	IO Cannulation	430824005	Intraosseous cannulation (procedure)
	Vascular Access via Existing Port (i.e., Portacath)	233550000	Cannulation of subcutaneous reservoir (procedure)
	Vein, Blood Draw	396540005	Phlebotomy (procedure)
	Vein, Catheter Removal	424287005	Removal of peripheral intravenous catheter (procedure)
	Vein, External Jugular	405427009	Catheterization of external jugular vein (procedure)
	Vein, Extremity	392230005	Catheterization of vein (procedure)
	Vein, Femoral	405442007	Catheterization of common femoral vein (procedure)
	Vein, Scalp	233526002	Peripheral venous cannula insertion - scalp (procedure)
Blood Administration			
	Transfusion of blood product (procedure)	116859006	Transfusion of blood product (procedure)

SCEMSA Primary Impressions List

ICD-10 Code	Alternate Code & Diagnosis for non-billable codes	Category	Impression	Description	Notes
I46.9		Arrest/Shock	Cardiac Arrest - Non-traumatic	Cardiac arrest, cause unspecified	
I95.9		Arrest/Shock	Shock/Hypotension	Hypotension, unspecified	
F99		Behavioral	Behavioral/Psychiatric Crisis	Mental disorder, not otherwise specified	
I10		Chest Pain/Cardiac	Hypertension	Essential (primary) hypertension	
I20.9		Chest Pain/Cardiac	Chest Pain - Suspected Cardiac	Angina pectoris, unspecified	
I21.3		Chest Pain/Cardiac	Chest Pain - STEMI	ST elevation (STEMI) myocardial infarction of unspecified site	Must use for STEMI Alert
I49.9		Chest Pain/Cardiac	Cardiac Dysrhythmia	Cardiac arrhythmia, unspecified	
R00.2		Chest Pain/Cardiac	Palpitations	Palpitations	
R07.89		Chest Pain/Cardiac	Chest Pain - Not Cardiac	Other chest pain	
T63	T63.91XA / Toxic effect of contact with unspecified venomous animal, accidental (unintentional), initial encounter	Environmental	Stings/ Venomous Bites	Toxic effect of contact with venomous animals and plants	
T67.0	T67.0XXA / Heatstroke and sunstroke, initial encounter	Environmental	Hyperthermia - Environmental	Heatstroke and sunstroke	
T68	T68.XXXA / Hypothermia, initial encounter	Environmental	Hypothermia/Cold Injury	Hypothermia	
K59.1		GI/GU	Diarrhea	Functional diarrhea	
K92.0		GI/GU	Upper GI Bleeding	Hematemesis	
K92.1		GI/GU	Lower GI Bleeding	Melena	
N39.9		GI/GU	Genitourinary disorder, unspecified	Disorder of urinary system, unspecified	
R10.84		GI/GU	Abdominal Pain/Problems (GI/GU)	Generalized abdominal pain	
R11.2		GI/GU	Nausea/Vomiting	Nausea with vomiting, unspecified	
G40.901		Neuro	Seizure - Active	with status epilepticus	G40.90 is Epilepsy, unspecified, not intractable (do not use)
G40.909		Neuro	Seizure - Post	without status epilepticus	G40.90 is Epilepsy, unspecified, not intractable (do not use)
I63.9		Neuro	Stroke / CVA / TIA	Cerebral infarction, unspecified	Must use for STROKE Alert
G25.1		Neuro	Tremor, unspecified	Tremor, unspecified	
R41.82		Neuro	ALOC - (Not Hypoglycemia or Seizure)	Altered mental status, unspecified	
R42		Neuro	Dizziness/Vertigo	Dizziness and giddiness	
R51		Neuro	Headache - Non-traumatic	Headache	
R55		Neuro	Syncope/Near Syncope	Syncope and collapse	
N93.9		OB/Gyn	Vaginal Bleeding	Abnormal uterine and vaginal bleeding, unspecified	
O60.0	O60.00 / Preterm labor without delivery, unspecified trimester	OB/Gyn	Pregnancy/Labor	Preterm labor without delivery	
O80		OB/Gyn	Childbirth (Mother)	Encounter for full-term uncomplicated delivery	
O99	O26.90 / Pregnancy related conditions, unspecified, unspecified trimester	OB/Gyn	Pregnancy Complication	Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium	
A41.9		Other	Sepsis	Sepsis, unspecified organism	Must use for SEPSIS Alert
E13.64	E16.2 / Hypoglycemia unspecified	Other	Hypoglycemia	Other specified diabetes mellitus with hypoglycemia	
E13.65		Other	Hyperglycemia	Other specified diabetes mellitus with hyperglycemia	
G89.1	R45 / Pain, unspecified	Other	Non-Traumatic Body Pain	Acute pain, not elsewhere classified	
H57.9		Other	Eye Problem - Unspecified	Unspecified disorder of eye and adnexa	
H93.90		Other	ENT/Dental Problem - Unspecified	unspecified ear	H93.9 is Unspecified disorder of ear
M79.60	M79.609 /Pain in unspecified limb	Other	Pain/Swelling - Extremity - non-traumatic	Pain in limb, unspecified	
R04.0		Other	Epistaxis	Epistaxis	
R50.9		Other	Fever	Fever, unspecified	
R53.1		Other	General Weakness	Weakness	
R99		Other	Obvious Death	Ill-defined and unknown cause of mortality	
T75.4	T75.4XXA / Electrocution, initial encounter	Other	Electrocution	Electrocution	
T78.2	T78.2XXA / Anaphylactic shock, unspecified, initial encounter	Other	Anaphylaxis	Anaphylactic shock, unspecified	
T78.40	T78.40XA / Allergy, unspecified, initial encounter	Other	Allergic Reaction	Allergy, unspecified	
R68.89		Other	Other general symptoms and signs	Other general symptoms and signs	Use ONLY when no other diagnosis applies
Y82	Y82.8 / Other medical devices associated with adverse incidents	Other	Medical Device Malfunction	Other and unspecified medical devices associated with adverse incidents	
Z00.00		Other	No Medical Complaint	without abnormal findings	200.0 is Encounter for general adult medical examination (do not use)
Z38.2		Ped	Newborn	Single liveborn infant, unspecified as to place of birth	
J00		Resp	Cold/Flu Symptom	Acute nasopharyngitis [common cold]	
J68.9		Resp	Inhalational Injury	Condition due to chemicals, gases, fumes and vapors	
J70.5		Resp	Smoke Inhalation	Respiratory conditions due to smoke inhalation	
J80		Resp	Respiratory Distress/Other	Acute respiratory distress syndrome	
J81.0		Resp	Respiratory Distress/Pulm Edema/CHF	Acute pulmonary edema	
J96.9	J96.90 / Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia	Resp	Respiratory Arrest / Respiratory Failure	Respiratory failure, unspecified	
J98.01		Resp	Respiratory Distress/Bronchospasm	Acute bronchospasm	
R68.13		Resp	ALTE (BRUE)	Apparent life threatening event in infant (ALTE)	
T58	T58.01XA / Toxic effect of carbon monoxide from motor vehicle exhaust, accidental (unintentional), initial encounter	Resp	Carbon Monoxide	Specific to carbon monoxide	
T71.9	T71.9XXA / Asphyxiation due to unspecified cause, initial encounter	Resp	Airway Obstruction	Asphyxiation due to unspecified cause	
T75.1XXA		Resp	Submersion/Drowning	Unspecified effects of drowning and nonfatal submersion, initial encounter	
F10.92	F10.929 / Alcohol use, unspecified with intoxication, unspecified	Tox	Alcohol Intoxication	Alcohol use, unspecified with intoxication	
F19	F19.129 / Other psychoactive substance abuse with intoxication, unspecified	Tox	Overdose/Poisoning/Ingestion	Other psychoactive substance related disorders	
G24.0	G24.09 / Other drug induced dystonia	Tox	Dystonic Reaction	Drug induced dystonia	
R41.0		Tox	Agitated delirium	Disorientation, unspecified	
Z77.9		Tox	Hazmat Exposure - Skin Exposure	Other contact with and (suspected) exposures hazardous to health	
I46.8		Trauma	Traumatic Arrest	CA, other underlying condition	
T14.90	T14.90XA / Injury, unspecified, initial encounter	Trauma	Traumatic Injury	Injury, unspecified	Must use 1 of these for TRUAMA Activation
T30.0		Trauma	Burn	Burn of unspecified body region, unspecified degree	
For Secondary Impression Only, List to Include					
R53.1		Other	Other	Weakness	