

TABLE: Signs and symptoms by severity category (*Modeled after Persson et. al.,1998 and includes SPIDER database elements*)

ORGAN SYSTEM	SEVERITY CATEGORY AND CODE			
	FATAL	HIGH	MODERATE	LOW
	1	2	3	4
	Death	Severe or Life-threatening Signs	Pronounced or Prolonged Signs or Symptoms	Mild, transient, and spontaneously resolving symptoms
Gastrointestinal System		<ul style="list-style-type: none"> Massive hemorrhage/perforation of gut 	<ul style="list-style-type: none"> Diarrhea (G14, sign only) Melena (G17) Vomiting (G16, sign only) 	<ul style="list-style-type: none"> Abdominal pain, cramping (G11) Anorexia (G12) Constipation (G13) Diarrhea (G14, symptom) Nausea (G15) Vomiting (G16, symptom)
Respiratory System		<ul style="list-style-type: none"> Cyanosis (RESP 2) + Respiratory depression (RESP 7) Pulmonary edema (RESP6) Respiratory arrest 	<ul style="list-style-type: none"> Abnormal pulmonary x-ray Pleuritic chest pain/pain on deep breathing (RESP8) Respiratory depression (RESP7) Wheezing (RESP9) Dyspnea, shortness of breath (RESP4, sign only) 	<ul style="list-style-type: none"> Cough (RESP1) Upper respiratory pain, irritation (RESP3) Dyspnea, shortness of breath (RESP4, symptom)
Nervous System		<ul style="list-style-type: none"> Coma (NS3) Paralysis, generalized (NS10) Seizure (NS5, sign only) 	<ul style="list-style-type: none"> Confusion (NS4) Hallucinations (NS99 Other) Miosis with blurred vision (NS14) Seizure (NS5, symptom) Ataxia (NS1, sign only) Slurred speech (NS12) Syncope (fainting) (NS17) Peripheral neuropathy (NS11, sign only) 	<ul style="list-style-type: none"> Hyperactivity (NS2) Headache (NS7) Profuse sweating (NS13) Dizziness (NS15) Ataxia (NS1, symptom) Peripheral neuropathy (NS11, symptom)
Cardiovascular System		<ul style="list-style-type: none"> Bradycardia/ heart rate <40 for adults, < 60 infants and children, <80 neonates (CV1) Tachycardia/ heart rate>180 for adults, >190 infants/children, >200 in neonates (CV4) Cardiac arrest (CV2) 	<ul style="list-style-type: none"> Bradycardia / heart rate 40-50 in adults, 60-80 in infants/children, 80-90 in neonates (CV1) Tachycardia / heart rate=140-180 in adults, 160-190 infants/children, 160-200 in neonates (CV4) Chest Pain (CV7) + Hyperventilation, Tachypnea (RESP5) Conduction disturbance (CV3) Hypertension (CV6) Hypotension (CV5) 	

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	Death	Severe or Life-threatening Signs	Pronounced or Prolonged Signs or Symptoms	Mild, transient, and spontaneously resolving symptoms
Metabolism		<ul style="list-style-type: none"> Acid Base disturbance (pH< 7.15 or >7.7) 	<ul style="list-style-type: none"> Acid Base disturbance (pH = 7.15-7.24 or 7.60-7.69) Elevated anion gap (MISC4) 	<ul style="list-style-type: none"> Fever (MISC1)
Renal System		<ul style="list-style-type: none"> Anuria (GU2) Renal failure 	<ul style="list-style-type: none"> Hematuria (GU3) Oliguria (GU2) Proteinuria (GU4) 	<ul style="list-style-type: none"> Polyuria (GU1)
Muscular system		<ul style="list-style-type: none"> Muscle rigidity (NS9) + elevated urinary myoglobin + elevated creatinine 	<ul style="list-style-type: none"> Fasciculations (NS6) Muscle rigidity (NS9) Muscle weakness (NS8, sign only) 	<ul style="list-style-type: none"> Muscle weakness (NS8, symptom) Muscle pain (NS16)
Local effects on skin		<ul style="list-style-type: none"> Burns, second degree (involving >50% of body surface area) Burns, third degree (involving >2% of body surface area) 	<ul style="list-style-type: none"> Bullae (DERM1) Burns, second degree (involving <50% of body surface area) Burns, third degree (involving <2% of body surface area) 	<ul style="list-style-type: none"> Skin Edema/Swelling, Erythema, Rash, Irritation/Pain, Pruritis (DERM3 - 7) Hives/Urticaria
Local effects on eye		<ul style="list-style-type: none"> Corneal ulcer/perforation 	<ul style="list-style-type: none"> Corneal abrasion (EYE3) Ocular burn (EYE2) 	<ul style="list-style-type: none"> Lacrimation (EYE4) Mydriasis (EYE6) Miosis (EYE1) Ocular pain/irritation/inflammation (diagnosis of conjunctivitis) (EYE5)
Other effects				<ul style="list-style-type: none"> Fatigue (MISC5) Malaise (MISC6)