WISCONSIN TOXIC SHOCK SYNDROME CASE CRITERIA WORKSHEET

Patient Name:	Date of Birth://
Person completing form:	Phone: ()
Is this staphylococcal or streptoco	ccal toxic shock syndrome?
Staphylococcal _	Streptococcal (go to page 2)
help with case reporting. Only confirm national surveillance. To determine we confirmed or probable case, please of definition will be applied by an epider	CASE DEFINITION: Case definition is listed here to ned and probable cases will be included in state and whether this case meets the case definition for neck manifestations present below. The final case miologist at the state level.
clinical findings listed below, including	g desquamation. If an individual dies prior to as all of the other 4 clinical findings, that individual is
<u>Probable case</u> = a case that meets clinical findings listed below.	the laboratory criteria and presents with 4 of the 5
Laboratory criteria:	
Negative results on the follow	owing tests, if obtained:
 Blood or cerebrospinal f Staphylococcus aureus) 	luid cultures (blood culture may be positive for
Negative serologies for	Rocky Mountain spotted fever, leptospirosis or measles
Clinical manifestations:	
1 Fever: temperature ≥ 38.99	P C (≥ 102.0°F). List temperature:
2 Rash: diffuse macular eryth	roderma
3 Desquamation: 1 to 2 week	s after onset of rash
4 Hypotension: systolic press percentile by age for childre	ure ≤ 90 mm Hg for adults or lower than fifth n younger than 16 years
5. Multi-system involvement, charact	erized by <u>3 or more</u> of the following organ systems:
Gastrointestinal: vomiting o	r diarrhea at onset of illness
Muscular: severe myalgia or upper limit of normal	r creatine phosphokinase (CPK) level at least twice the
Mucous membrane: vaginal	oropharyngeal or conjunctival hyperemia

Renal: blood urea nitrogen or creatinine at least twice the upper limit of normal for laboratory or urinary sediment with pyuria (≥ 5 leukocytes per high-power field) in the absence of urinary tract infection
——— Hepatic: total bilirubin, alanine aminotransferase (ALT) or aspartate aminotransferase (AST) enzyme levels at least twice the upper limit of normal for laboratory
Hematologic: platelet count < 100,000/mm³
Central nervous system: disorientation or alterations in consciousness without focal neurologic signs when fever and hypotension are absent
STREPTOCOCCAL TSS CLINICAL CASE DEFINITION: Case definition is listed here to help with case reporting. Only confirmed and probable cases will be included in state and national surveillance. To determine whether this case meets the case definition for confirmed or probable case, please check manifestations present below. The final case definition will be applied by an epidemiologist at the state level.
<u>Confirmed case</u> = a case that meets laboratory criteria with isolation of group A <u>Streptococcus</u> from a <u>normally sterile site</u> and presents with the clinical findings listed below.
<u>Probable case</u> = a case that meets laboratory criteria with isolation of group A Streptococcus from a <u>non-sterile site</u> and presents with the clinical findings listed below.
Laboratory criteria:
Isolation of group A β-hemolytic Streptococcus (Streptococcus pyogenes)
List specimen source:
 <u>Normally sterile sites</u> include blood, cerebrospinal fluid or, less commonly, peritoneal, pleural, pericardial and joint fluids
 <u>Non-sterile sites</u> include throat, sputum, vagina, surgical wounds and superficial skin lesions
Clinical manifestations:
 Hypotension: systolic pressure ≤ 90 mm Hg for adults or lower than fifth percentile by age for children younger than 16 years
2. Multi-organ involvement, characterized by 2 or more of the following:
Renal impairment: creatinine ≥ 2 mg/dL (≥ 177 µmol/L) for adults, or 2 or more times higher than the upper limit of normal for age (in patients with preexisting renal disease, a > 2 -fold elevation over baseline)
Coagulopathy: platelets ≤ 100,000/mm³ or disseminated intravascular coagulation, defined by prolonged clotting times, low fibrinogen level, and the presence of fibrin degradation products

or total bilirubin levels 2 or more times higher than the upper limit of normal for age (in patients with preexisting liver disease, a > 2-fold increase over baseline)
Acute respiratory distress syndrome: defined by acute onset of diffuse pulmonary infiltrates and hypoxemia in the absence of cardiac failure or by evidence of diffuse capillary leak, manifested by acute onset of generalized edema, or pleural or peritoneal effusions with hypoalbuminemia
 A generalized erythematous macular rash that may desquamate
 Soft tissue necrosis, including necrotizing fasciitis or myositis, or gangrene

Handin involvement, alarine transportings (ALT), consists transportings (ACT)

References:

- 1. Council of State and Territorial Epidemiologists. Nationally Notifiable Infectious Conditions: Toxic-Shock Syndrome 2011 Case Definition. Available at: http://www.cdc.gov/osels/ph_surveillance/nndss/casedef/toxicsscurrent.htm
- 2. Council of State and Territorial Epidemiologists. Nationally Notifiable Infectious Conditions: Streptococcal Toxic-Shock Syndrome 2010 Case Definition. Available at: http://www.cdc.gov/osels/ph_surveillance/nndss/casedef/streptococcalcurrent.htm
- 3. Heymann DL, ed. Toxic Shock Syndrome. In: *Control of Communicable Diseases Manual*. 19th ed. Washington, DC: American Public Health Association, 2008:576-577
- 4. Pickering LK, ed. Staphylococcal infections and group A streptococcal infections. In: *Red Book*: *2009 Report of the Committee on Infectious Diseases*. 28th ed. Elk Grove Village, IL: American Academy of Pediatrics, 2009:601-628
- 5. The working group on severe streptococcal infections. Defining the group A streptococcal toxic shock syndrome: rationale and consensus definition. *JAMA*, 1993;269:390-391
- 6. Wharton M, Chorba TL, Vogt RL, Morse DL, Buehler JW. Case definitions for public health surveillance. *MMWR* Recommended Reports, 1990;39(RR-13):1-43