

## **STREPTOCOCCAL DISEASE, INVASIVE GROUP A (GAS)**

Invasive group A streptococcal infections may manifest as any of several clinical syndromes:

?? **Pneumonia**

?? **Bacteremia** in association with cutaneous infection (e.g., cellulitis, erysipelas, or infection of a surgical or nonsurgical wound)

?? **Deep soft-tissue infection** (e.g., myositis or necrotizing fasciitis)

?? **Meningitis, peritonitis, osteomyelitis, septic arthritis, postpartum sepsis, neonatal sepsis, and nonfocal bacteremia**

### **Laboratory criteria for confirmation:**

?? Isolation of group A *Streptococcus* (*Streptococcus pyogenes*) by culture from a normally sterile site (e.g., blood or cerebrospinal fluid, or less commonly, joint, pleural, or pericardial fluid)

### **Case Classification**

*Confirmed:* A case that is laboratory confirmed.

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### **Epidemiology**

Kentucky	2001	Rate per 100,000	Cases by Gender	Rate per 100,000
Cases	39	1.0	Female	0.9
			Male	1.0

Gender not indicated on 1 case

Cases were reported from seven districts, with the highest incidence in the Northern Kentucky District at 2.0 cases per 100,000, followed by the Bluegrass District at 1.7 cases per 100,000.

The 0-9 year age group experienced the highest incidence rate of 1.8 cases per 100,000 and the 50-59 year age group followed with an incidence rate of 1.7 cases per 100,000.