North Carolina
Spotted Fever Rickettsiosis
Surveillance Algorithm

Lab created in NCEDSS
Request records from Physician
Records received
Yes
Follow LHD CD investigation policy. Received records after multiple attempts (# attempts defined by LHD Policy)
No
Close as Suspect

Does the patient have a fever?
Yes
Does the pt have at least one additional symptom: Rash, eschar, headache, myalgia, anemia, thrombocytopenia, elevated liver enzymes.
Yes

Is there laboratory evidence?
Yes
Is the laboratory evidence one or more of the following:
Positive serum IgG IFA test followed by a second IgG IFA test performed 2-4 weeks later with a 4-fold change in titer
Or
•Positive PCR in serum
Or
•Isolated culture of Spotted Fever Group organism
Or
•Spotted fever group antigen in a biopsy or autopsy by IHC

Confirmed Event

Does not Meet

Probable Event

Does not Meet

Positive IgG antibody by IFA

No

No

No

No