DHA
Defense Health Agency ®

Yellow Fever

Clinically compatible? —Yes→ History of yellow fever vaccination? —No→ (+) IgM antibody from CSF or serum, **AND** (+) neutralizing antibody from the same specimen?

Clinically compatible? —No→ **NOT A CASE**

History of yellow fever vaccination? —Yes→ Yellow fever vaccination within 30 days of illness onset?

(+) IgM antibody from CSF or serum, **AND** (+) neutralizing antibody from the same specimen? —No→ (+) virus-specific IgM antibodies in CSF or serum, **AND** (-) IgM antibodies for other arboviruses endemic to the region where exposure occurred?

(+) IgM antibody from CSF or serum, **AND** (+) neutralizing antibody from the same specimen? —Yes→ **CONFIRMED**

Yellow fever vaccination within 30 days of illness onset? —No→ At least fourfold change of yellow fever virus-specific neutralizing antibody titer in paired acute and convalescent sera?

Yellow fever vaccination within 30 days of illness onset? —Yes→ Molecular evidence of infection with wild-type yellow fever virus?

(+) virus-specific IgM antibodies in CSF or serum, **AND** (-) IgM antibodies for other arboviruses endemic to the region where exposure occurred? —No→ **NOT A CASE**

(+) virus-specific IgM antibodies in CSF or serum, **AND** (-) IgM antibodies for other arboviruses endemic to the region where exposure occurred? —Yes→ Epidemiologically linked to a confirmed yellow fever case, or visited/resided in an area with a high risk of yellow fever in the 2 weeks before onset of illness?

At least fourfold change of yellow fever virus-specific neutralizing antibody titer in paired acute and convalescent sera? —No→ **NOT A CASE**

At least fourfold change of yellow fever virus-specific neutralizing antibody titer in paired acute and convalescent sera? —Yes→ **CONFIRMED**

Molecular evidence of infection with wild-type yellow fever virus? —Yes→ From tissue, blood, CSF, or other bodily fluid: (+) culture, **OR** (+) antigen, **OR** (+) RNA detection?

Molecular evidence of infection with wild-type yellow fever virus? —No→ **NOT A CASE**

From tissue, blood, CSF, or other bodily fluid: (+) culture, **OR** (+) antigen, **OR** (+) RNA detection? —No→ **NOT A CASE**

From tissue, blood, CSF, or other bodily fluid: (+) culture, **OR** (+) antigen, **OR** (+) RNA detection? —Yes→ **CONFIRMED**

Epidemiologically linked to a confirmed yellow fever case, or visited/resided in an area with a high risk of yellow fever in the 2 weeks before onset of illness? —No→ **NOT A CASE**

Epidemiologically linked to a confirmed yellow fever case, or visited/resided in an area with a high risk of yellow fever in the 2 weeks before onset of illness? —Yes→ **PROBABLE**
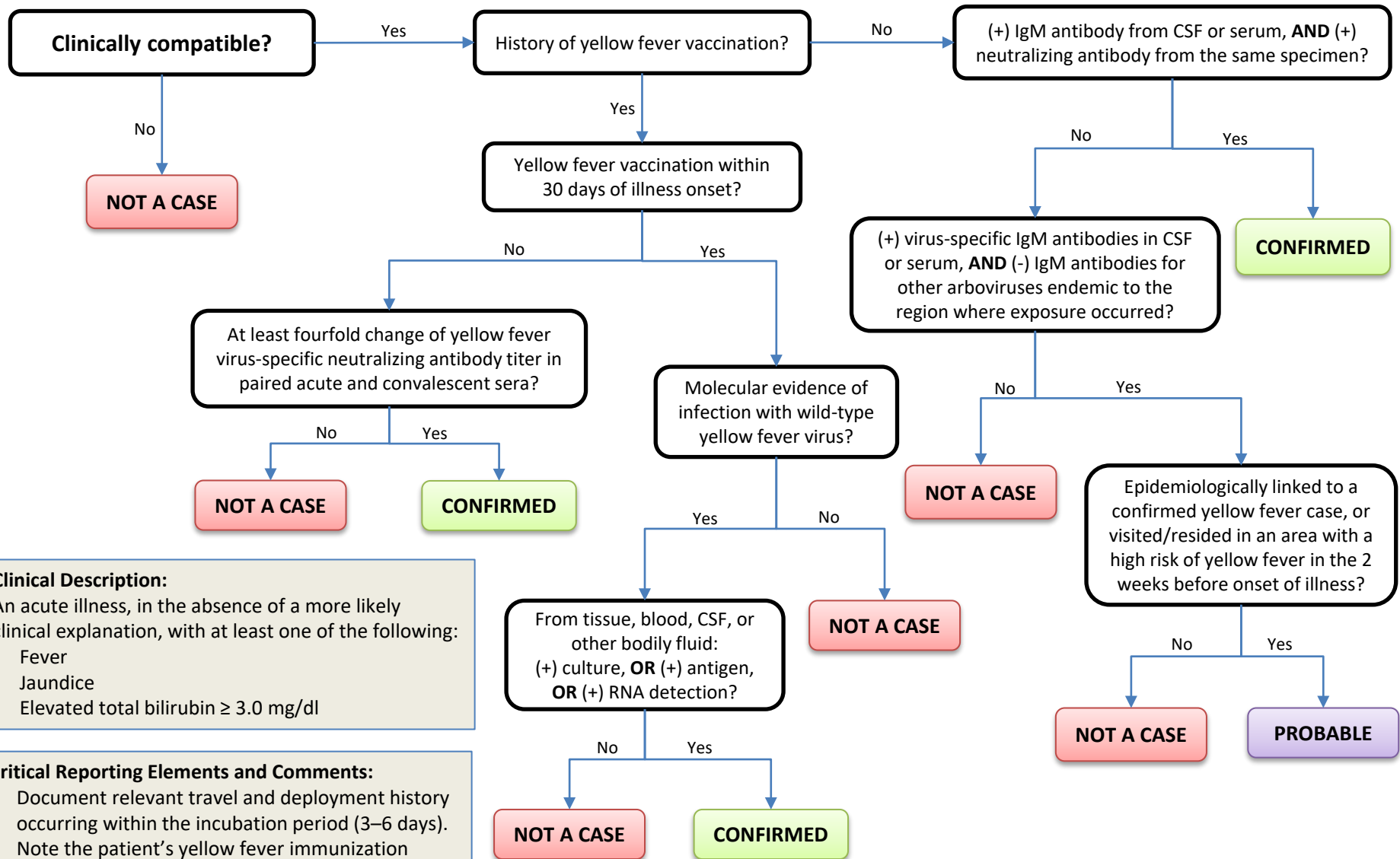
Clinical Description:
An acute illness, in the absence of a more likely clinical explanation, with at least one of the following:
- Fever
- Jaundice
- Elevated total bilirubin ≥ 3.0 mg/dl

Critical Reporting Elements and Comments:
- Document relevant travel and deployment history occurring within the incubation period (3–6 days).
- Note the patient's yellow fever immunization history.