

Inclusion Criteria:

Febrile infants who are / have:

- well appearing
- . Infants who have been home from the newborn nursery or born at home
- documented rectal temperatures of ≥38.0° C or 100.4° F in the past 24 hours (at home or in clinical setting)
- gestation between ≥37 and <42 weeks
- 8 to 60 days of age

Exclusion Criteria:

- NICU or PICU patients
- Preterm infants (<37 weeks' gestation)
- Infants younger than 2 weeks of age whose perinatal courses were complicated by maternal fever, infection, and/or antimicrobial use.
- Febrile infants with high suspicion of herpes simplex virus (HSV) infection (e.g., vesicles).
- Infants with a focal bacterial infection (e.g., cellulitis, omphalitis, septic arthritis, osteomyelitis).
 These infections should be managed according to accepted standards.
- Infants with CLINICAL bronchiolitis, with or without positive test results for respiratory syncytial virus (RSV). *(see box)
- Infants with documented or suspected immune compromise.
- Infants whose neonatal course was complicated by surgery or infection.
- Infants with congenital or chromosomal abnormalities.
- Medically fragile infants requiring some form of technology or ongoing therapeutic intervention to sustain life.
- Infants who have received immunizations within the last 48 hours. *(see box)

Suspected Source of Infection	8-21d Old	22-28d Old	29-60d Old
UTI	Ampicillin IV or IM (50 mg/kg/dose every 8 hours) and Cefepime IV or IM (50mg/kg/dose every 8 hours)	Ceftriaxone IV or IM (50 mg/kg/dose every 24 hours)	Ceftriaxone IV or IM (50mg/kg/dose every 24 hour). Oral medications for infants older than 28d: Cephalexin 50-100mg/kg per day in 4 doses or Cefixime 8 mg/kg per day in 1 dose
No focus identified	Ampicillin IV or IM (50 mg/kg/dose every 8 hours) and Cefepime IV or IM (50mg/kg/dose every 8 hours)	Ceftriaxone IV or IM (50 mg/kg/dose every 24 hours)	Ceftriaxone IV or IM (50 mg/kg/dose every 24 hours)
Bacterial meningitis	Ampicillin IV or IM (75 mg/kg/dose every 6 hours) and Cefepime IV or IM (50mg/kg/dose every 8 hours)	Ampicillin IV or IM (75mg/kg/dose every 6 hours) and Cefepime IV or IM (50mg/kg/dose every 8 hours)	Ceftriaxone IV (100 mg/kg once daily or divided every 12 hours) and Vancomycin IV (15 mg/kg/dose every 6 hours)

Recommendations / Considerations

Viral URI vs Bronchiolitis:

- URI symptoms not diagnostic of bronchiolitis should not exclude infants from the care guideline.
- Increased availability for rapid respiratory PCR testing has currently outpaced the guidelines of how testing should be used.
- A review by Ralston et al of 11 studies of bronchiolitis found no cases of meningitis, and researchers in 8 studies reported no cases of bacteremia. (Pantell, et al., 2021)

Diarrhea:

- Infants suspected of having bacterial diarrhea should have stool culture obtained.
- Loose stools do not exclude infants from the care guideline.

Otitis media:

 Presumed otitis media does not exclude infants from the care guideline.

Other:

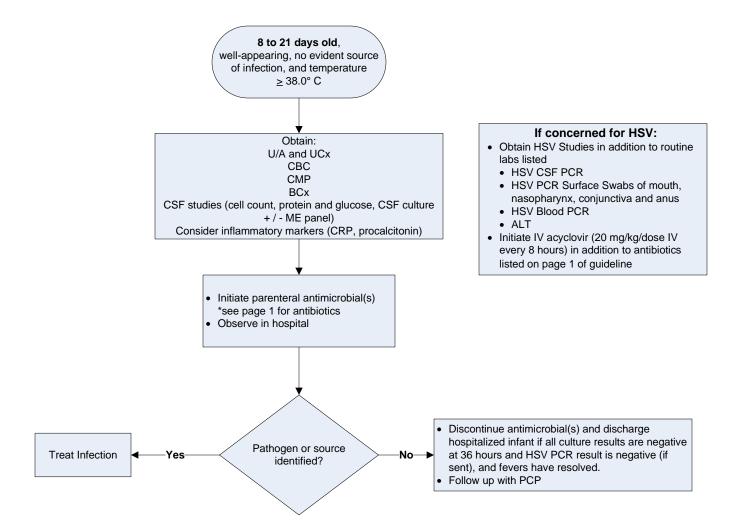
- Current or recent antibiotic use in this age group requires individualized interpretation for febrile infants' inclusion in the care guideline.
- Postimmunization fevers of ≥38.0°
 C is common and estimated to be
 > 40% within the first 48 hours.

Patient/Family Education

- Cerner Well Baby
- Cerner Fever in Infants





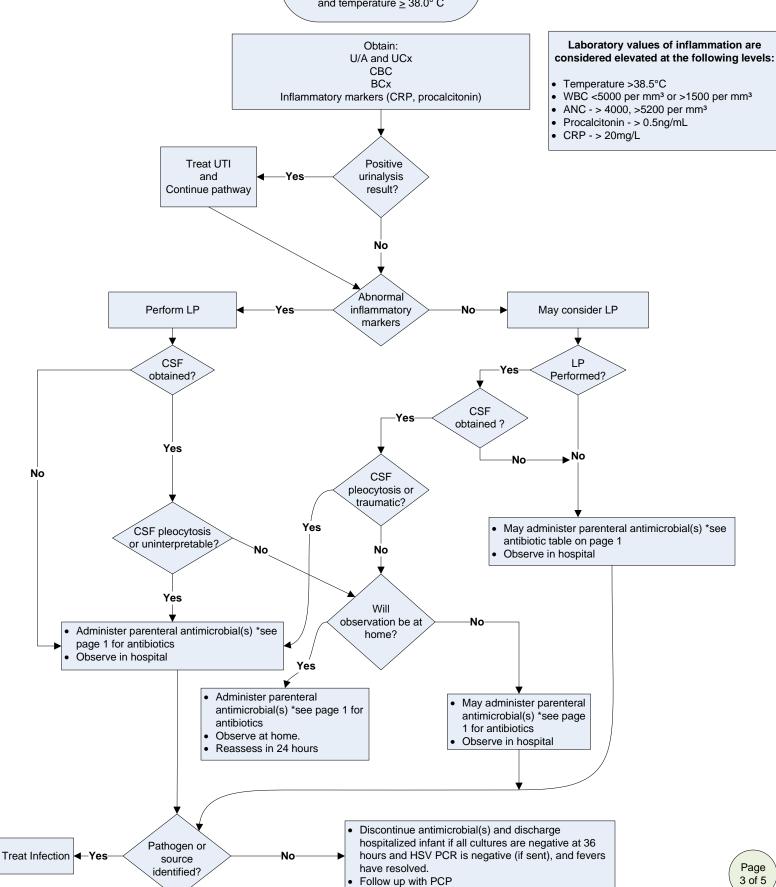


Laboratory values of inflammation are considered elevated at the following levels:

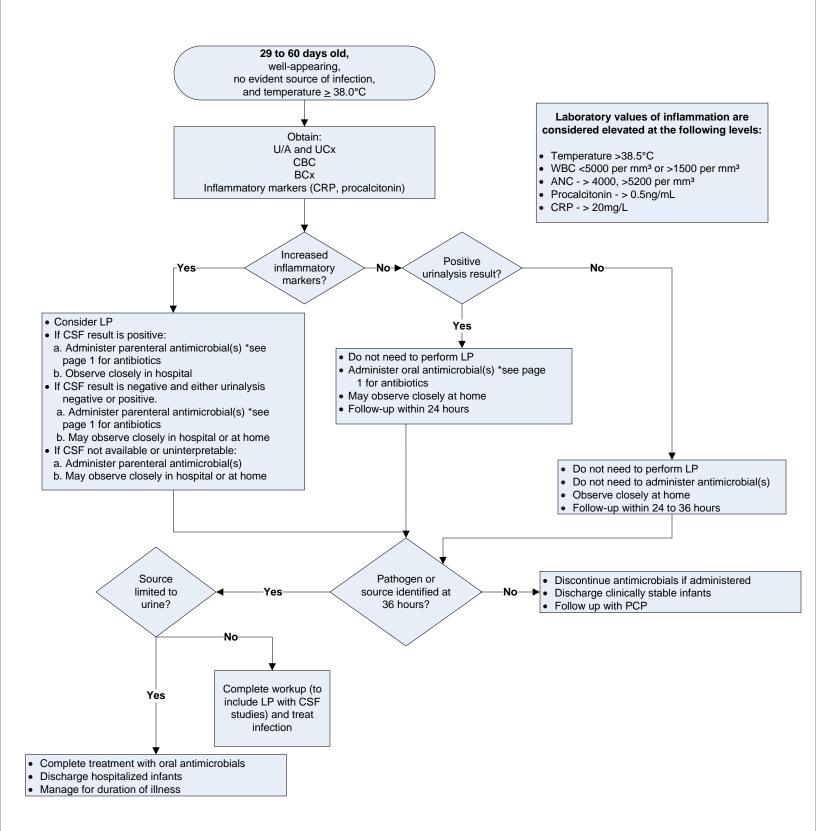
- ANC > 4000, >5200 per mm³
- WBC <5000 per mm³ or >1500 per mm³
- Procalcitonin > 0.5ng/mL
- CRP > 20mg/L



22 to 28 days old, well-appearing, no evident source of infection, and temperature ≥ 38.0° C









References

Pantell, R. H., Roberts, K. B., Adams, W. G., Dreyer, B. P., Kuppermann, N., O'Leary, S. T., . . . Woods, J, C. R. (2021). Clinical Practice Guideline: Evaluation and Management of Well-Appearing Febrile Infants 8 to 60 Days Old. *Pediatrics*, *148*(2), e2021052228. https://doi.org/10.1542/peds.2021-052228 (Level V)