



REMEMBER:

- If patient is <90 days and febrile, please see [fever guidelines](#).
- Pneumonia is a clinical diagnosis and does not require X-ray findings.

Hypoxia

<90% while awake
<88% while asleep
Sustained for >10 minutes

Pulse-Oximetry Monitoring

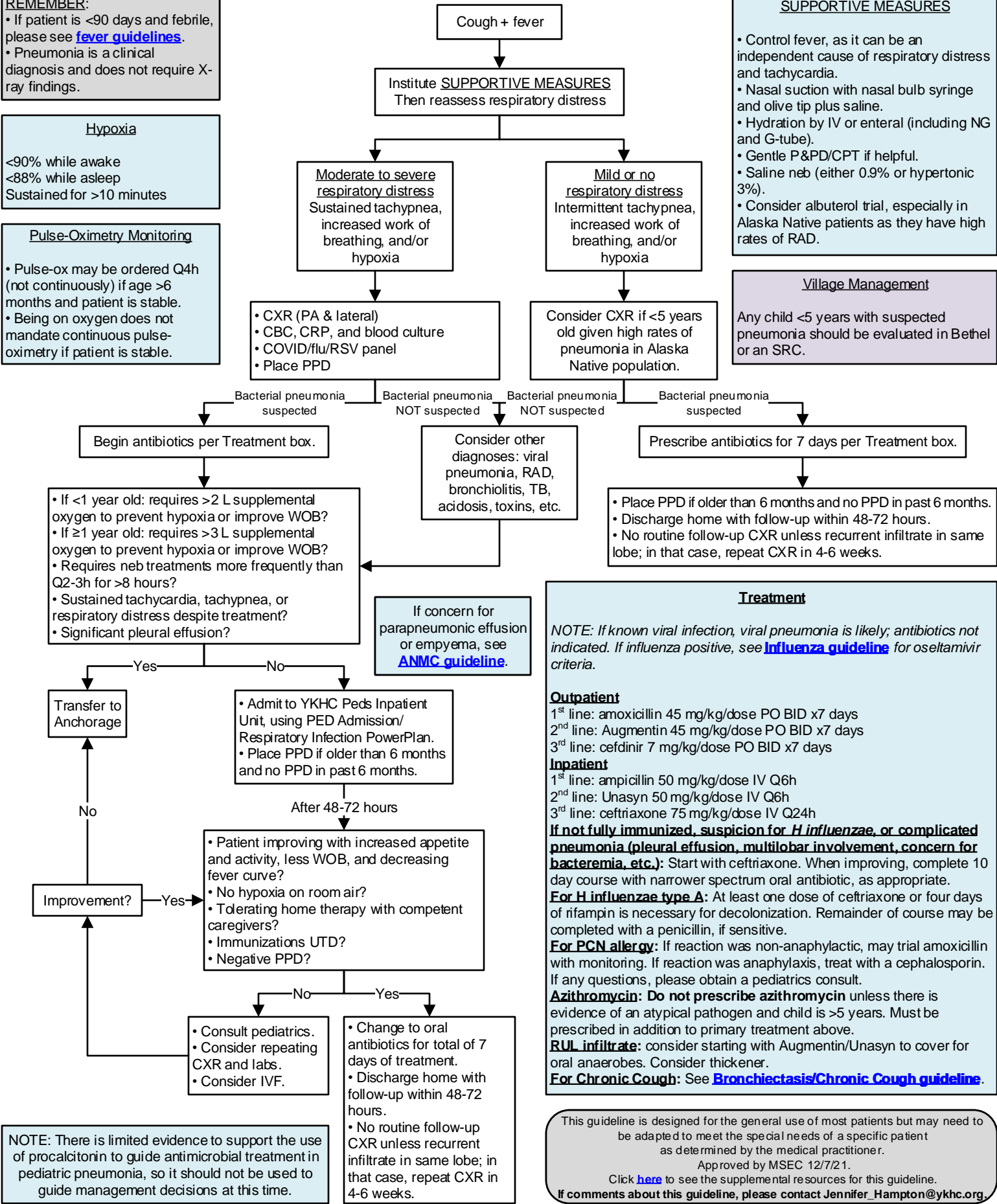
- Pulse-ox may be ordered Q4h (not continuously) if age >6 months and patient is stable.
- Being on oxygen does not mandate continuous pulse-oximetry if patient is stable.

SUPPORTIVE MEASURES

- Control fever, as it can be an independent cause of respiratory distress and tachycardia.
- Nasal suction with nasal bulb syringe and olive tip plus saline.
- Hydration by IV or enteral (including NG and G-tube).
- Gentle P&PD/CPT if helpful.
- Saline neb (either 0.9% or hypertonic 3%).
- Consider albuterol trial, especially in Alaska Native patients as they have high rates of RAD.

Village Management

Any child <5 years with suspected pneumonia should be evaluated in Bethel or an SRC.



NOTE: There is limited evidence to support the use of procalcitonin to guide antimicrobial treatment in pediatric pneumonia, so it should not be used to guide management decisions at this time.

Treatment

NOTE: If known viral infection, viral pneumonia is likely; antibiotics not indicated. If influenza positive, see [influenza guideline](#) for oseltamivir criteria.

Outpatient

- 1st line: amoxicillin 45 mg/kg/dose PO BID x7 days
- 2nd line: Augmentin 45 mg/kg/dose PO BID x7 days
- 3rd line: cefdinir 7 mg/kg/dose PO BID x7 days

Inpatient

- 1st line: ampicillin 50 mg/kg/dose IV Q6h
- 2nd line: Unasyn 50 mg/kg/dose IV Q6h
- 3rd line: ceftriaxone 75 mg/kg/dose IV Q24h

If not fully immunized, suspicion for *H influenzae*, or complicated pneumonia (pleural effusion, multilobar involvement, concern for bacteremia, etc.): Start with ceftriaxone. When improving, complete 10 day course with narrower spectrum oral antibiotic, as appropriate.

For *H influenzae* type A: At least one dose of ceftriaxone or four days of rifampin is necessary for decolonization. Remainder of course may be completed with a penicillin, if sensitive.

For PCN allergy: If reaction was non-anaphylactic, may trial amoxicillin with monitoring. If reaction was anaphylaxis, treat with a cephalosporin. If any questions, please obtain a pediatrics consult.

Azithromycin: Do not prescribe azithromycin unless there is evidence of an atypical pathogen and child is >5 years. Must be prescribed in addition to primary treatment above.

RUL infiltrate: consider starting with Augmentin/Unasyn to cover for oral anaerobes. Consider thickener.

For Chronic Cough: See [Bronchiectasis/Chronic Cough guideline](#).

This guideline is designed for the general use of most patients but may need to be adapted to meet the special needs of a specific patient as determined by the medical practitioner.

Approved by MSEC 12/7/21.

Click [here](#) to see the supplemental resources for this guideline.

If comments about this guideline, please contact Jennifer_Hampton@ykhc.org.