**List of Supplemental Digital Content:**

Supplemental Digital Content 1. Figure

Supplemental Digital Content 2. Figure

Supplemental Digital Content 3. Figure

**Supplemental Digital Content 1:**



Upper limit of NeoFax Recommendations

Ampicillin dosing for neonates with suspected/proven sepsis compared to NeoFax recommendations. Dosing is in mg/kg/day, grouped by estimated post-menstrual age (PMA) and postnatal age (PNA), and is compared to NeoFax recommendations for bacteremia (red line).

**Supplemental Digital Content 2:**



Nelson’s Recommendations

Ampicillin dosing for neonates with suspected/proven sepsis compared to Nelson’s recommendations. Dosing is in mg/kg/day, grouped by weight (kg) and postnatal age (PNA), and is compared to Nelson’s recommendations (red line).

**Supplemental Digital Content 3:**



Harriet Lane Recommendations

Ampicillin dosing for infants with suspected/proven sepsis compared to Harriet Lane recommendations. Dosing is in mg/kg/day, grouped by postnatal age (PNA) and weight (kg), and is compared to Harriet Lane bacteremia recommendations (red line).