Update

## **Gestational Age Dosing Updates for 2025.1 Release**

For the 2025.1 Maintenance Release for Pharmacy, several updates have been made to the Gestational Age Dosing Screens, and these are outlined below:

- 1. Retired Ampicillin 50 mg/kg and Ampicillin 100 mg/kg and replaced with Ampicillin (Bacteremia) and Ampicillin (Meningitis) screens
- 2. Created screen for Penicillin G GBS Bacteremia
- 3. Created screen for Penicillin G GBS Meningitis
- 1. Created screen for Zosyn to only have Q8H option for everyone (removed attribute logic, same weight-based dose for all ages)
- 4. Created screen for Zidovudine PO HIV
- 5. Created screen for Fluconazole Inv Candidiasis
- 6. Made multiple changes to Dosing Chart:
  - a. Change all instances of "0-29" to "</=29"
  - b. Change ">44" to ">/=45"

For general information about the Gestational Age Medication Dosing workflow, please see the following content further below in this document.

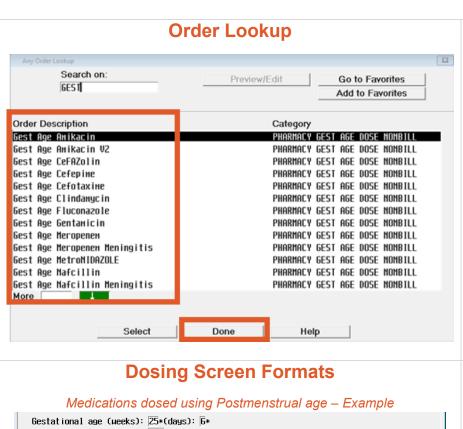
## **Gestational Age Medication Dosing**

The Gestational Age Medication Dosing screens are designed to assist clinicians in ordering an initial appropriate dose and administration frequency for selected medications based on the applicable gestational, postmenstrual, and/or postnatal ages of neonatal patients. This educational document will walk the end-user through the step-by-step process of completing a Gestational Age Dosing screen for an applicable medication.

See the standard Gestational Age Dosing Chart for standard medications at the end of this document.



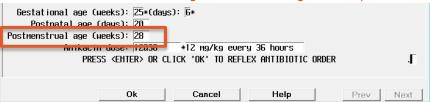




Step 1: Choose the patient.

**Step 2**: Select an order set with gestational age dosing, or a gestational age dosing order pre-built in the Orders lookup.

Step 3: Press <Enter> or click "Done" to generate the Gestational Age Dosing Screen.



There are 3 Dosing Screens that are dependent upon the age that is entered:

- Postmenstrual age
  - Postmenstrual age will calculate once all components are available.

Medications dosed using Gestational age - Example

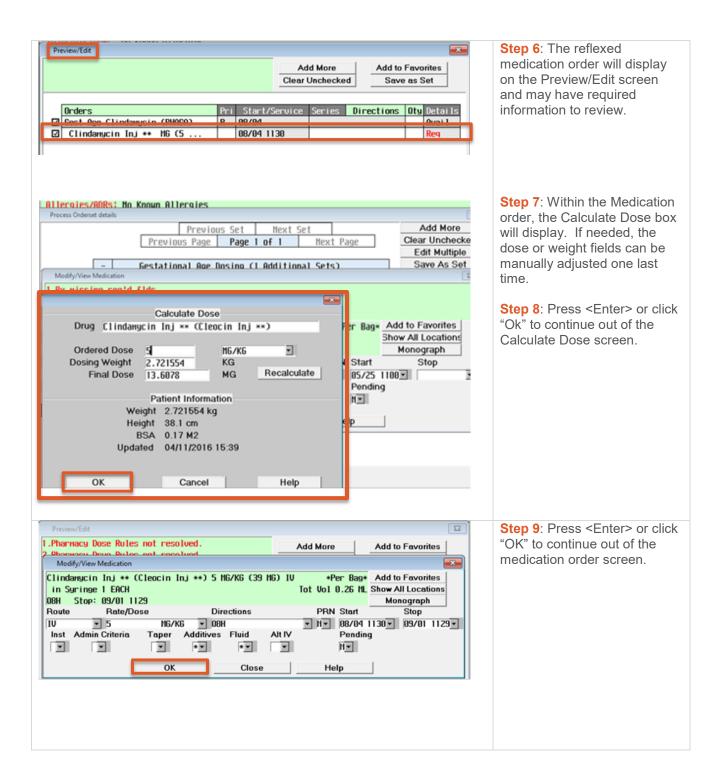


- Gestational age
  - The Gestational age (weeks) and (days) fields are required.
  - If gestational age information is not available, it must be manually entered.
  - If gestational age information is available, that information will automatically populate into the gestational age fields.

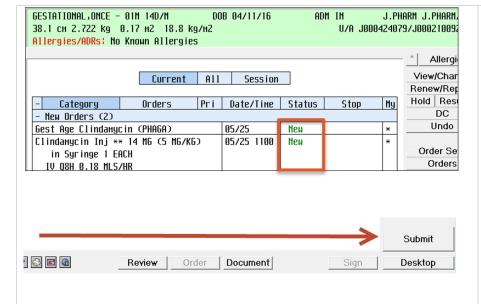












**Step 10**: For final review, the order and medication order display as "**New**" on the patient profile.

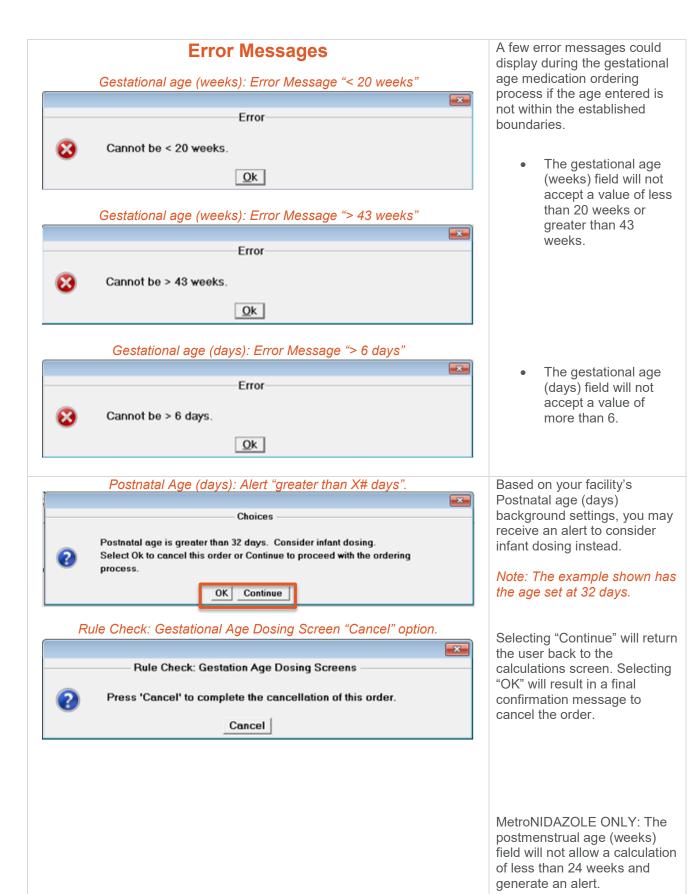
**Step 11**: To complete the ordering process, press <Submit>.

Note: When the ordering session is submitted, it will also file the Gestational Age (weeks) and (days) used during this session for any future orders and dosing of medications utilizing gestational age for this patient.

IMPORTANT: When a provider discontinues the medication, MEDITECH notifies the provider that the medication order is linked to a non-medication procedure. The order should also be discontinued. If the order is cancelled, the software logic wipes out the Gestational Age for future references in the Gestational Age Dosing tool.

The provider then must define the Gestational Age again even if it was previously saved within the dosing tool.







## MetroNIDAZOLE ONLY Rule Check: Postmenstrual age less than 24 weeks "Cancel" screen Rule Check: Postmenstrual age less than 24 weeks Standard metroNIDAZOLE dosing recommendations for patient less than 24 weeks postmenstrual age are not available. Utilization of this dosing screen is not recommended. Dosing should be based upon provider evaluation. If the dosing screen is missing information (e.g., the Press 'Cancel' to complete the cancellation of this order. gestational age), an error Cancel message will display as shown. Error Message "field required" × Error 1 field is required. <u>O</u>k



## **Gestational Age Dosing Chart**

Note: Most of the medications listed below use postmenstrual age for dosing.

Fluconazole, Meropenem, and Meropenem meningitis use Gestational Age for dosing.

Cefepime, Ampicillin (Meningitis), Penicillin G GBS Bacteremia, and Penicillin G GBS Meningitis uses only Postnatal Age for dosing.

Key:

**PMA** – Postmenstrual Age

**GA** – Gestational Age

Reference for all dosing: NeoFax online (accessed *5/4/22)* Dosing approval granted by the Pediatric Pharmacy Advisory Board.

| Medication  | PMA (weeks)  | Postnatal Age (days) | Dose (mg/kg) | Interval (hours) |
|---|--|----------------------|--------------|------------------|
| Amikacin  | =29</td <td>0-7</td> <td>14</td> <td>48</td>       | 0-7                  | 14           | 48               |
|   | =29</td <td>8-28</td> <td>12</td> <td>36</td>      | 8-28                 | 12           | 36               |
|   | =29</td <td>&gt;/= 29</td> <td>12</td> <td>24</td> | >/= 29               | 12           | 24               |
|   | 30-34  | 0-7                  | 12           | 36               |
|   | 30-34  | >/= 8                | 12           | 24               |
|   | >/= 35   | All                  | 12           | 24               |
|   |  |                      |              |                  |
| Ampicillin (Bacteremia)<br>(Gestational Age only) | GA (weeks)   | Postnatal Age (days) | Dose (mg/kg) | Interval (hours) |
| 3 77  | = 34</td <td>0-7</td> <td>50</td> <td>12</td>      | 0-7                  | 50           | 12               |
|   | = 34</td <td>&gt; 7</td> <td>75</td> <td>12</td>   | > 7                  | 75           | 12               |
|   | > 34   | All                  | 50           | 8                |
|   |  |                      |              |                  |
| Ampicillin (Meningitis)                           | GA (weeks)   | Postnatal Age (days) | Dose (mg/kg) | Interval (hours) |
| (Postnatal Age only)                              | All  | 0-7                  | 100          | 8                |
|   | All  | > 7                  | 75           | 6                |

| CeFAZolin | PMA (weeks)                                     | Postnatal Age (days) | Dose (mg/kg) | Interval<br>(hours) |
|-----------|---|----------------------|--------------|---------------------|
|           | = 29</td <td>0-28</td> <td>25</td> <td>12</td>  | 0-28                 | 25           | 12                  |
|           | = 29</td <td>&gt;28</td> <td>25</td> <td>8</td> | >28                  | 25           | 8                   |
|           | 30-36   | 0-14                 | 25           | 12                  |
|           | 30-36   | >14                  | 25           | 8                   |
|           | 37-44   | 0-7                  | 25           | 12                  |
|           | 37-44   | >7                   | 25           | 8                   |
|           | >/= 45  | All                  | 25           | 6                   |



| Cefepime<br>(Postnatal Age only) | GA (weeks)  | Postnatal Age<br>(days)          | Dose (mg/kg)    | Interval<br>(hours) |
|----------------------------------|-------------|----------------------------------|-----------------|---------------------|
|                                  | All         | = 28</td <td>30</td> <td>12</td> | 30              | 12                  |
|                                  | All         | >28                              | 50              | 12                  |
|                                  |             |                                  |                 |                     |
|                                  |             |                                  |                 |                     |
| Cefotaxime                       | PMA (weeks) | Postnatal Age (days)             | Dose (mg/kg)    | Interval<br>(hours) |
| Cefotaxime                       | PMA (weeks) | _                                | Dose (mg/kg) 50 |                     |
| Cefotaxime                       | . ,         | (days)                           | , , ,           | (hours)             |

| Clindamycin              | PMA (weeks)                                     | Postnatal Age (days) | Dose (mg/kg) | Interval (hours) |
|--------------------------|---|----------------------|--------------|------------------|
|                          | =29</td <td>0-28</td> <td>5</td> <td>12</td>    | 0-28                 | 5            | 12               |
|                          | =29</td <td>&gt;28</td> <td>5</td> <td>8</td>   | >28                  | 5            | 8                |
|                          | 30-36   | 0-14                 | 5            | 12               |
|                          | 30-36   | >14                  | 5            | 8                |
|                          | 37-44   | 0-7                  | 5            | 12               |
|                          | 37-44   | >7                   | 5            | 8                |
|                          | >/= 45  | All                  | 5            | 6                |
|                          |   |                      |              |                  |
| Clindamycin Necro Entero | PMA (weeks)                                     | Postnatal Age (days) | Dose (mg/kg) | Interval (hours) |
|                          | =29</td <td>0-28</td> <td>7.5</td> <td>12</td>  | 0-28                 | 7.5          | 12               |
|                          | =29</td <td>&gt;28</td> <td>7.5</td> <td>8</td> | >28                  | 7.5          | 8                |
|                          | 30-36   | 0-14                 | 7.5          | 12               |
|                          | 30-36   | >14                  | 7.5          | 8                |
|                          | 37-44   | 0-7                  | 7.5          | 12               |
|                          | 37-44   | >7                   | 7.5          | 8                |
|                          | >/= 45  | All                  | 7.5          | 6                |
|                          |   |                      |              |                  |
| Fluconazole              | GA (weeks)                                      | Postnatal Age (days) | Dose (mg/kg) | Interval (hours) |
|                          | =29</td <td>0-14</td> <td>6</td> <td>48</td>    | 0-14                 | 6            | 48               |
|                          | =29</td <td>&gt;14</td> <td>6</td> <td>24</td>  | >14                  | 6            | 24               |
|                          | >=30  | 0-7                  | 6            | 48               |
|                          | >=30  | >7                   | 6            | 24               |



| Fluconazole Inv Candidiasis                        | GA (weeks)   | Postnatal Age (days)  | Dose (mg/kg)  | Interval (hours)   |
|--|--|---|---|--|
|  | = 29</td <td>0-14</td> <td>12</td> <td>48</td>   | 0-14  | 12  | 48   |
|  | = 29</td <td>&gt;14</td> <td>12</td> <td>24</td>   | >14   | 12  | 24   |
|  | >/=30  | 0-7   | 12  | 48   |
|  | >/=30  | >7  | 12  | 24   |
|  | - 7 00   | - 1   | 12  | <b>2</b> ¬   |
| Gentamicin   | PMA (weeks)  | Postnatal Age (days)  | Dose (mg/kg)  | Interval (hours)   |
|  | =29</th <th>0-7</th> <th>5</th> <th>48</th>  | 0-7   | 5   | 48   |
|  | =29</td <td>8-28</td> <td>4</td> <td>36</td>   | 8-28  | 4   | 36   |
|  | =29</td <td>&gt;=29</td> <td>4</td> <td>24</td>  | >=29  | 4   | 24   |
|  | 30-34  | 0-7   | 4.5   | 36   |
|  | 30-34  | >=8   | 4   | 24   |
|  | >=35   | All   | 4   | 24   |
|  |  |   |   | _  |
| Meropenem (Intra-abdominal and non-CNS infections) | GA (weeks)   | Postnatal Age (days)  | Dose (mg/kg)  | Interval (hours)   |
|  | <32  | <14   | 20  | 12   |
|  | <32  | >/= 14  | 20  | 8  |
|  | >/= 32   | <14   | 20  | 8  |
|  | >/= 32   | >/= 14  | 30  | 8  |
|  |  |   |   |  |
|  |  |   |   |  |
| Meropenem (Bacterial Meningitis)                   | GA (weeks)   | Postnatal Age (days)  | Dose (mg/kg)  | Interval (hours)   |
| Meropenem (Bacterial Meningitis)                   | GA (weeks)   | Postnatal Age (days)  | Dose (mg/kg) 40   | Interval (hours)   |
| Meropenem (Bacterial Meningitis)                   |  |   | , , ,   | , ,  |
| Meropenem (Bacterial Meningitis)                   | <32  | <14   | 40  | 12   |
| Meropenem (Bacterial Meningitis)                   | <32<br><32   | <14<br>>/= 14   | 40 40   | 12   |
| Meropenem (Bacterial Meningitis)  Metronidazole    | <32<br><32   | <14<br>>/= 14   | 40<br>40<br>40  | 12   |
|  | <32<br><32<br>>/= 32   | <14<br>>/= 14<br>All  | 40 40   | 12<br>8<br>8   |
|  | <32<br><32<br>>/= 32<br>PMA (weeks)  | <14 >/= 14 All  Postnatal Age (days)  | 40<br>40<br>40<br>Dose (mg/kg)  | 12<br>8<br>8<br>Interval (hours)   |
|  | <32<br><32<br>>/= 32<br>PMA (weeks)<br>24-25   | <14 >/= 14 All  Postnatal Age (days) All  | 40<br>40<br>40<br>Dose (mg/kg)<br>7.5   | 12<br>8<br>8<br>Interval (hours)<br>24   |
|  | <32<br><32<br>>/= 32<br>PMA (weeks)<br>24-25<br>26-27  | <14 >/= 14 All  Postnatal Age (days) All All  | 40<br>40<br>40<br>Dose (mg/kg)<br>7.5   | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24  |
|  | <32<br><32<br>>/= 32<br>PMA (weeks)<br>24-25<br>26-27<br>28-33   | <14 >/= 14 All  Postnatal Age (days) All All All  | 40<br>40<br>40<br><b>Dose (mg/kg)</b><br>7.5<br>10<br>7.5                           | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12  |
|  | <32<br><32<br>>/= 32<br>PMA (weeks)<br>24-25<br>26-27<br>28-33<br>34-40  | <14 >/= 14 All  Postnatal Age (days) All All All All  | 40<br>40<br>40<br>Dose (mg/kg)<br>7.5<br>10<br>7.5<br>7.5                           | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12  |
|  | <32<br><32<br>>/= 32<br>PMA (weeks)<br>24-25<br>26-27<br>28-33<br>34-40  | <14 >/= 14 All  Postnatal Age (days) All All All All  | 40<br>40<br>40<br>Dose (mg/kg)<br>7.5<br>10<br>7.5<br>7.5                           | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12  |
| Metronidazole                                      | <32 <32 >/= 32  PMA (weeks)  24-25  26-27  28-33  34-40 >/= 45   | <14 >/= 14 All  Postnatal Age (days) All All All All All  | 40<br>40<br>40<br>Dose (mg/kg)<br>7.5<br>10<br>7.5<br>7.5                           | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12<br>8   |
| Metronidazole                                      | <32 <32 >/= 32  PMA (weeks) 24-25 26-27 28-33 34-40 >/= 45  PMA (weeks)  | <14 >/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days)                       | 40<br>40<br>40<br>Dose (mg/kg)<br>7.5<br>10<br>7.5<br>7.5<br>7.5<br>7.5             | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12<br>8<br>6  |
| Metronidazole                                      | <32 <32 >/= 32  PMA (weeks)  24-25  26-27  28-33  34-40 >/= 45  PMA (weeks) = 29</td <td>&lt;14 &gt;/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28</td> <td>40<br/>40<br/>40<br/>7.5<br/>10<br/>7.5<br/>7.5<br/>7.5<br/>7.5<br/>7.5</td> <td>12<br/>8<br/>8<br/>8<br/>Interval (hours)<br/>24<br/>24<br/>12<br/>8<br/>6</td>  | <14 >/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28                  | 40<br>40<br>40<br>7.5<br>10<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5                      | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12<br>8<br>6  |
| Metronidazole                                      | <32 <32 >/= 32  PMA (weeks) 24-25 26-27 28-33 34-40 >/= 45  PMA (weeks) = 29 </= 29</td <td>&lt;14 &gt;/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 &gt;28</td> <td>40<br/>40<br/>40<br/>Dose (mg/kg)<br/>7.5<br/>10<br/>7.5<br/>7.5<br/>7.5<br/>7.5<br/>25<br/>25</td> <td>12<br/>8<br/>8<br/>8<br/>Interval (hours)<br/>24<br/>24<br/>12<br/>8<br/>6</td>   | <14 >/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 >28              | 40<br>40<br>40<br>Dose (mg/kg)<br>7.5<br>10<br>7.5<br>7.5<br>7.5<br>7.5<br>25<br>25 | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12<br>8<br>6  |
| Metronidazole                                      | <32 <32 >/= 32  PMA (weeks)  24-25  26-27  28-33  34-40 >/= 45  PMA (weeks) = 29  </= 29  30-36</td <td>&lt;14 &gt;/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 &gt;28 0-14</td> <td>40<br/>40<br/>40<br/>7.5<br/>10<br/>7.5<br/>7.5<br/>7.5<br/>7.5<br/>25<br/>25</td> <td>12<br/>8<br/>8<br/>8<br/>Interval (hours)<br/>24<br/>24<br/>12<br/>8<br/>6<br/>Interval (hours)<br/>12<br/>8</td>   | <14 >/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 >28 0-14         | 40<br>40<br>40<br>7.5<br>10<br>7.5<br>7.5<br>7.5<br>7.5<br>25<br>25                 | 12<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12<br>8<br>6<br>Interval (hours)<br>12<br>8                 |
| Metronidazole                                      | <32 <32 >/= 32  PMA (weeks) 24-25 26-27 28-33 34-40 >/= 45  PMA (weeks) = 29 </= 29 30-36 30-36</td <td>&lt;14 &gt;/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 &gt;28 0-14 &gt;14</td> <td>40<br/>40<br/>40<br/>7.5<br/>10<br/>7.5<br/>7.5<br/>7.5<br/>7.5<br/>25<br/>25<br/>25</td> <td>12<br/>8<br/>8<br/>8<br/>8<br/>Interval (hours)<br/>24<br/>24<br/>12<br/>8<br/>6<br/>Interval (hours)<br/>12<br/>8<br/>12<br/>8</td>                          | <14 >/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 >28 0-14 >14     | 40<br>40<br>40<br>7.5<br>10<br>7.5<br>7.5<br>7.5<br>7.5<br>25<br>25<br>25           | 12<br>8<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12<br>8<br>6<br>Interval (hours)<br>12<br>8<br>12<br>8 |
| Metronidazole                                      | <32 <32 >/= 32  PMA (weeks)  24-25 26-27 28-33 34-40 >/= 45  PMA (weeks) = 29 </= 29 </= 29 30-36 30-36 37-44</td <td>&lt;14 &gt;/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 &gt;28 0-14 &gt;14 0-7</td> <td>40<br/>40<br/>40<br/>7.5<br/>10<br/>7.5<br/>7.5<br/>7.5<br/>7.5<br/>25<br/>25<br/>25<br/>25</td> <td>12<br/>8<br/>8<br/>8<br/>8<br/>Interval (hours)<br/>24<br/>24<br/>12<br/>8<br/>6<br/>Interval (hours)<br/>12<br/>8<br/>12<br/>8</td> | <14 >/= 14 All  Postnatal Age (days) All All All All All Postnatal Age (days) 0-28 >28 0-14 >14 0-7 | 40<br>40<br>40<br>7.5<br>10<br>7.5<br>7.5<br>7.5<br>7.5<br>25<br>25<br>25<br>25     | 12<br>8<br>8<br>8<br>8<br>Interval (hours)<br>24<br>24<br>12<br>8<br>6<br>Interval (hours)<br>12<br>8<br>12<br>8 |



| Nafcillin (Meningitis) | PMA (weeks)                                     | Postnatal Age (days) | Dose (mg/kg) | Interval (hours) |
|------------------------|---|----------------------|--------------|------------------|
|                        | = 29</th <th>0-28</th> <th>50</th> <th>12</th>  | 0-28                 | 50           | 12               |
|                        | = 29</th <th>&gt;28</th> <th>50</th> <th>8</th> | >28                  | 50           | 8                |
|                        | 30-36   | 0-14                 | 50           | 12               |
|                        | 30-36   | >14                  | 50           | 8                |
|                        | 37-44   | 0-7                  | 50           | 12               |
|                        | 37-44   | >7                   | 50           | 8                |
|                        | >/= 45  | All                  | 50           | 6                |

| PMA (weeks)                                      | Postnatal Age<br>(days)  | Dose<br>(mg/kg)    | Interval (hours) |
|--|--|--------------------|------------------|
| = 29</td <td>0-28</td> <td>25</td> <td>12</td>   | 0-28   | 25                 | 12               |
| = 29</td <td>&gt;28</td> <td>25</td> <td>8</td>  | >28  | 25                 | 8                |
| 30-36  | 0-14   | 25                 | 12               |
| 30-36  | >14  | 25                 | 8                |
| 37-44  | 0-7  | 25                 | 12               |
| 37-44  | >7   | 25                 | 8                |
| >/= 45   | All  | 25                 | 6                |
| PMA (weeks)                                      | Postnatal Age (days)   | Dose<br>(mg/kg)    | Interval (hours) |
| = 29</td <td>0-28</td> <td>50</td> <td>12</td>   | 0-28   | 50                 | 12               |
| = 29</td <td>&gt;28</td> <td>50</td> <td>8</td>  | >28  | 50                 | 8                |
| 30-36  | 0-14   | 50                 | 12               |
| 30-36  | >14  | 50                 | 8                |
| 37-44  | 0-7  | 50                 | 12               |
| 37-44  | >7   | 50                 | 8                |
| >/= 45   | All  | 50                 | 6                |
| PMA (weeks)                                      | Postnatal Age (days)   | Dose<br>(units/kg) | Interval (hours) |
| = 29</td <td></td> <td></td> <td>12</td>         |  |                    | 12               |
| = 29</td <td>&gt;28</td> <td>· ·</td> <td>8</td> | >28  | · ·                | 8                |
| 30-36  | 0-14   | 50,000             | 12               |
| 30-36  | >14  | 50,000             | 8                |
| 37-44  | 0-7  | 50,000             | 12               |
| 37-44  | >7   | 50,000             | 8                |
| >/= 45   | All  | 50,000             | 6                |
| GA (weeks)                                       | Postnatal Age (days)   | Dose<br>(units/kg) | Interval (hours) |
|  |  |                    |                  |
| All  | 0-7  | 50,000             | 12               |
|  | = 29 </= 29 30-36 30-36 37-44 37-44 /= 45  PMA (weeks) = 29 </= 29 30-36 30-36 37-44 37-44 /= 45  PMA (weeks) = 29 </= 29 </= 29 30-36 30-36 30-36 37-44 37-44 /= 45 | (days)             | (days)           |



| Penicillin G (Meningitis)     | PMA (weeks)  | Postnatal Age (days)    | Dose<br>(units/kg) | Interval (hours) |
|-------------------------------|--|-------------------------|--------------------|------------------|
|                               | = 29</td <td>0-28</td> <td>100,000</td> <td>12</td>  | 0-28                    | 100,000            | 12               |
|                               | = 29</td <td>&gt;28</td> <td>100,000</td> <td>8</td> | >28                     | 100,000            | 8                |
|                               | 30-36  | 0-14                    | 100,000            | 12               |
|                               | 30-36  | >14                     | 100,000            | 8                |
|                               | 37-44  | 0-7                     | 100,000            | 12               |
|                               | 37-44  | >7                      | 100,000            | 8                |
|                               | >/= 45   | All                     | 100,000            | 6                |
|                               |  |                         | ·                  | ·                |
| Penicillin G (GBS Meningitis) | GA (weeks)   | Postnatal Age (days)    | Dose<br>(units/kg) | Interval (hours) |
|                               | All  | 0-7                     | 150,000            | 8                |
|                               | All  | >7                      | 125,000            | 6                |
| Tobramycin                    | PMA (weeks)  | Postnatal Age<br>(days) | Dose<br>(mg/kg)    | Interval (hours) |
|                               | = 29</td <td>0-7</td> <td>5</td> <td>48</td>         | 0-7                     | 5                  | 48               |
|                               | = 29</td <td>8-28</td> <td>4</td> <td>36</td>        | 8-28                    | 4                  | 36               |
|                               | = 29</td <td>&gt;/= 29</td> <td>4</td> <td>24</td>   | >/= 29                  | 4                  | 24               |
|                               | 30-34  | 0-7                     | 4.5                | 36               |
|                               | 30-34  | >/= 8                   | 4                  | 24               |
|                               | >/= 35   | All                     | 4                  | 24               |
| Vancomycin (Non-Meningitis)   | PMA (weeks)  | Postnatal Age (days)    | Dose<br>(mg/kg)    | Interval (hours) |
|                               | =29</td <td>0-14</td> <td>10</td> <td>18</td>        | 0-14                    | 10                 | 18               |
|                               | =29</td <td>&gt;14</td> <td>10</td> <td>12</td>      | >14                     | 10                 | 12               |
|                               | 30-36  | 0-14                    | 10                 | 12               |
|                               | 30-36  | >14                     | 10                 | 8                |
|                               | 37-44  | 0-7                     | 10                 | 12               |
|                               | 37-44  | >7                      | 10                 | 8                |
|                               | >/= 45   | All                     | 10                 | 6                |
|                               |  |                         |                    |                  |
| Vancomycin (Meningitis)       | PMA (weeks)  | Postnatal Age (days)    | Dose<br>(mg/kg)    | Interval (hours) |
|                               | =29</td <td>0-14</td> <td>15</td> <td>18</td>        | 0-14                    | 15                 | 18               |
|                               | =29</td <td>&gt;14</td> <td>15</td> <td>12</td>      | >14                     | 15                 | 12               |
|                               | 30-36  | 0-14                    | 15                 | 12               |
|                               | 30-36  | >14                     | 15                 | 8                |
|                               |  | 0.7                     | 15                 | 12               |
|                               | 37-44  | 0-7                     | 10                 | 12               |
|                               | 37-44<br>37-44                                       | >7                      | 15                 | 8                |



| Zidovudine PO HIV | GA (weeks) | Postnatal Age (days)           | Dose<br>(mg/kg) | Interval (hours) |
|-------------------|------------|--------------------------------|-----------------|------------------|
|                   | <30        | =28</th <th>2</th> <th>12</th> | 2               | 12               |
|                   | <30        | 29-56                          | 3               | 12               |
|                   | <30        | >56                            | 12              | 12               |
|                   | 30-34      | <15                            | 2               | 12               |
|                   | 30-34      | 15-42                          | 3               | 12               |
|                   | 30-34      | >42                            | 12              | 12               |
|                   | >/=35      | =28</td <td>4</td> <td>12</td> | 4               | 12               |
|                   | >/=35      | >28                            | 12              | 12               |
|                   |            |                                |                 |                  |
| Zosyn 100 mg/kg   | GA (weeks) | Postnatal Age (days)           | Dose<br>(mg/kg) | Interval (hours) |
|                   | All        | All                            | 100             | 8                |

