Prescribing Intravenous Fluid for Children

- Use this chart in conjunction with the clinical guidelines for fluid management in children.
- For infants, individualise fluid use based on clinical guidelines.
- For children over 1 month old, follow these guidelines to calculate fluid requirements and record the calculation below.
- Fluid maintenance and replacement can be calculated separately, or as appropriate.
- Administering a dose (e.g., changing administration) requires reassessment and monitoring, and additional rehydration as appropriate.

### Children over 1 month of age

**Fluid bolus for shocked patients:**

For children 1 month of age, those with pre-existing fluid deficit, or benefit from hydration of their maintenance fluid requirement, follow these guidelines:

**Calculation of fluid bolus (ml):**

\[
\text{Fluid bolus} = \text{body weight (kg)} \times \frac{20}{10} \text{ml/kg} \times \text{0.9% sodium chloride}
\]

Reassess if necessary.

**Maintenance fluid calculation**

- **First 10 kg:**
  - Use 100 ml/kg/day

- **Second 10 kg:**
  - Use 20 ml/kg/day

- **Above 20 kg:**
  - Use 50 ml/kg/day

**Total daily fluid requirement (D):**

\[
\text{Total fluid requirement} = (A + B + C)
\]

**Deficit per hour (G):**

\[
\text{Deficit per hour} = \frac{\text{Deficit}}{24 \text{ hours}}
\]

\[
\text{Total fluid per hour} = (E + G)
\]

**Notes:**

- Reassessment and monitoring (minimum 24 hourly but may be more frequent depending on clinical condition)
- Infusions to be administered once only, unless the prescriber specifies they are to be continuous.
### Patient's Name

**Health Record Number**

**MORNING** (around 0800); **MIDDAY** (between 1200 & 1400); **EVENING** (around 1800); **BEDTIME** (around 2200)

#### Regular Medicines

<table>
<thead>
<tr>
<th>TIME</th>
<th>ROUTE</th>
<th>INSTRUCTIONS</th>
<th>PRESCRIBER'S NAME</th>
<th>SPECIAL INSTRUCTIONS</th>
<th>DATE</th>
<th>MEDICINE NAME</th>
<th>DOSE</th>
<th>PHARMACIST SIGNATURE</th>
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#### Non-Administration of Medicines

When a patient does not receive a prescribed dose, the nurse should enter one of the code numbers given below in the administration box, to explain the reason for non-administration. Please attempt to obtain any unavailable medicines.

1. Patient refused
2. Patient not on ward
3. Patient refusal
4. See Notes

#### Chart Must Be Re-Written Before Further Doses Are Administered

This chart must be re-written before further doses are administered.