Fluid Goal: **vd on 20cal form** (breast milk)

<table>
<thead>
<tr>
<th>Day of Life</th>
<th>Term</th>
<th>Preterm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>60cc/kg/day</td>
<td>80cc/kg/day</td>
</tr>
<tr>
<td>2</td>
<td>80cc/kg/day</td>
<td>100cc/kg/day</td>
</tr>
<tr>
<td>3</td>
<td>100-120cc/kg/day</td>
<td>120cc/kg/day</td>
</tr>
<tr>
<td>4</td>
<td>150cc/kg/day</td>
<td>150cc/kg/day</td>
</tr>
<tr>
<td>5</td>
<td>180cc/kg/day</td>
<td>180cc/kg/day</td>
</tr>
</tbody>
</table>

TF: (Total Fluids) = $\frac{\text{total of PO feedings (cc)}}{\text{Weight (kg)}} + \frac{\text{total of IV feedings (cc)}}{\text{Weight (kg)}}$

TC: (Total Calories) = $\frac{(\text{Total PO} \times \text{cal/kg/day})}{\text{Weight}} + \frac{(\text{Total IV} \times \text{cal/kg/day})}{\text{Weight}}$

- If 20 caloric formula: $20 \text{calorie/30cc} \approx 0.67 \text{cal/cc}$
- If 22 caloric formula: $22 \text{calories/30cc} = 0.73 \text{cal/cc}$
- If 24 caloric formula: $24 \text{calories/30cc} = 0.80 \text{cal/cc}$

(IV fluids also have conversion factors: D10W = 0.4 cal/kg)

FG: (Fluid Goal) = Refer to chart at top of page

\[\left(\frac{\text{cc/kg/day} \times \text{weight}}{8}\right) = \text{cc/feed}\]

CG: (Caloric Goal) = $\frac{(180 \text{ cc/kg/day}) \times \text{weight}}{8} = \text{cc/feed}$

Caloric goal: 180 cc/kg/day will give the infant 120 cal/kg/day...which is the amount needed to grow and gain adequate weight.

If infant is on Enfamil 24: 150 cc/kg/day = 120 cal/kg/day

**BASIC CALORIC CALCULATIONS: cc/24hr x cal/cc DIVIDED BY Kg**

**PO FLUIDS:**
- HMF=1 PKT. PER 50cc=2cal/oz.
- HMF=1 PKT. PER 25cc=4cal/oz.
- EBM=0.667cal/cc
- EBM W/ SIMILAC NATURAL CARE=0.734
- 20CAL. FORMULA=0.667
- 24CAL. FORMULA=0.8
- 10CAL. FORMULA=0.333
- MCT OIL=7.67cal/cc
- POLYCOSE=2.0
- BLENDED RICE CEREAL=1tsp.=10cal

**NOTE: FOR ODD AMOUNTS**

(I.E. D14W) USE RATIO TO DETERMINE cal/cc. OF THAT FLUID.

**EX. D14W: X=D10W:.4 \ 10X=.4x14 OR 5.6 \ X=0.56 cal/cc**

**IV FLUIDS:**
- MICROLIPIDS=4.5 cal/cc
- D5W=0.2 cal/cc
- D10W=0.4 cal/cc
- D12.5W=0.5
- D15W=0.6
- D17.5W=0.7
- D20W=0.8
- D22.5W=0.9
- D25W=1.0
- SOYACAL 20%=2.2 (IV LIPIDS)
- LIPIDS 20%=2.2 \ 1gm=5cc