

## **3T's Formulary Guidelines On Appropriate Weight-Adjusted Dosing Of Oral and Intravenous Paracetamol**

### **Oral Paracetamol in Adults**

	<b>Adults weighing 33kg to 40 kg</b>	<b>Adults weighing 41 kg to 49 kg</b>	<b>Adults weighing &gt;50 kg</b>
Dose and frequency of administration	500mg po qds	750mg po qds	1g po qds
Maximum daily dose	2g	3g	4g

Use with caution in patients with hepatocellular insufficiency, chronic alcoholism, chronic malnutrition or dehydration, limiting maximum daily dose to 3g even if more than 50kg.

Ensure a dose interval of at least 6 hours in patients with estimated glomerular filtration rate less than 30ml/min/1.73m<sup>2</sup>.

Please note enzyme- inducing drugs (e.g. carbamazepine) increase the risk of hepatocellular damage in paracetamol overdose.

### **Oral Paracetamol in Children**

In primary care, prescribers should dose oral paracetamol in children in accordance with the latest MHRA guidance <http://www.mhra.gov.uk/home/groups/comms-po/documents/news/con120252.pdf>

### **Intravenous Paracetamol**

	<b>Term newborn infants, infants, toddlers, and children weighing &lt;10 kg</b>	<b>Children weighing &gt;10 kg and &lt;33 kg</b>	<b>Children, adolescents, and adults weighing &gt;33 kg and &lt;50 kg</b>	<b>Adolescents and adults weighing &gt;50 kg</b>
Dose and frequency of administration	One intravenous infusion of <b>7.5 mg/kg</b> :  QDS  <i>i.e. 0.75 ml solution per kg</i>	One intravenous infusion of <b>15 mg/kg</b> :  QDS  <i>i.e. 1.5 ml solution per kg</i>	One intravenous infusion of <b>15 mg/kg</b> :  QDS  <i>i.e. 1.5 ml solution per kg</i>	One intravenous infusion of <b>1 g</b> :  QDS  <i>i.e. 100 ml solution</i>
Maximum daily dose	<b>30 mg/kg</b>  <i>(i.e. 3 ml/kg)</i>	<b>60 mg/kg</b>  <i>(i.e. 6 ml/kg)</i>  without exceeding <b>2 g (i.e. 200 ml) in total</b>	<b>60 mg/kg</b>  <i>(i.e. 6 ml/kg)</i>  without exceeding <b>3 g (i.e. 300 ml) in total</b>	<b>Must not exceed 4 g (i.e. 400 ml) in total</b>
<b>Please note that doses of 500mg or less MUST be administered from a 500mg in 50ml vial.</b>				

Use with caution in patients with hepatocellular insufficiency, chronic alcoholism, chronic malnutrition or dehydration, limiting maximum daily dose to 3g even if more than 50kg.

Ensure a dose interval of at least 6 hours in patients with estimated glomerular filtration rate less than 30ml/min/1.73m<sup>2</sup>. Please note enzyme- inducing drugs (e.g. carbamazepine) increase the risk of hepatocellular damage in paracetamol overdose.