

## Letterkenny University Hospital - LUH Antimicrobial Prescribing Policy/Guidelines: Cockcroft and Gault Equation

[Cockcroft and Gault Equation](#) ([click here](#) to access an online calculator)

### **Creatinine Clearance (CrCl) (ml/min)**

Calculate Ideal Body Weight (IBW) in kg (see below)

If actual body weight < IBW, use actual body weight in this equation

$$\frac{(140 - \text{age}) \times (\text{IBW in kg}) \times N}{\text{Serum creatinine (micromol/L)}}$$

**Serum creatinine (micromol/L)**

**N** = 1.23 males & 1.04 females

### **Ideal Body Weight (IBW) (kg) =**

#### **Male:**

50kg + (2.3kg x inches over 5 feet) **OR** 50kg + (0.9kg x cm over 152cm)

#### **Female:**

45.5kg + (2.3kg x inches over 5 feet) **OR** 45.5kg + (0.9kg x cm over 152cm)