Dosage Calculations

Tablet dose (tablets) = $\dfrac{\text{dose prescribed (mg)}}{\text{dose in stock (mg/tablet)}}$

Suspension dose (ml) = $\dfrac{\text{dose prescribed (mg)}}{\text{dose in stock (mg)}}$ x stock volume (ml)

Dosage Calculations per kg of Bodyweight

Daily dose (mg or ml) = patient weight (kg) x dosage for one day ((mg or ml)/kg/day)

Single dose (mg or ml) = $\dfrac{\text{dose ((mg or ml)/dose)}}{\text{number of doses in a given time period (doses/day)}}$

Dose volume (ml) = $\dfrac{\text{single dose (mg)}}{\text{concentration of drug (mg/ml)}}$

Infusion Calculations

Volume of fluid given per hour (ml/hour) = $\dfrac{\text{Volume of fluid (ml)}}{\text{Time (hours)}}$

Volume of fluid given per minute (ml/minute) = $\dfrac{\text{Volume of fluid (ml)}}{\text{Time (hours)} \times 60 \text{ (minutes/hour)}}$

Support: Study Development offers workshops, short courses, 1 to 1 and small group tutorials.
- Join a tutorial or workshop on the Study Development tutorial and workshop webpage or search 'YSJ study development tutorials.'
- Access our Study Success resources on the Study Success webpage or search 'YSJ study success.'