**Equianalgesic doses / opioid conversion**

IV morphine 10mg = oramorph 20mg

IV oxycodone 5mg = oral oxycodone immediate release 10mg

IV fentanyl 100mcg = IV morphine 10mg = IV oxycodone 5mg

Worked example for a 50kg sickle cell patient on fentanyl PCA requiring conversion to oramorph:

1. Establish total 24 hour IV fentanyl dose in ml by taking figures from PEWS observation chart (e.g. 35ml IV fentanyl in 24 hours)
2. Convert fentanyl total ml into total mcg – see PCA prescription for mcg/ml dose

e.g. 50mcg/ml: 50mcg x 35ml = 1750mcg IV fentanyl in 24 hours

1. Divide total 24 hour IV fentanyl dose (mcg) by 10 = IV morphine equivalent in mg

e.g. 1750mcg divided by 10 = 175 mg IV morphine in 24 hours

1. Multiply IV morphine dose by 2 = total oramorph dose in 24 hours

e.g. 175mg IV morphine x 2 = 350mg oramorph

Alternative to steps 3 and 4 (quick conversion)

Divide total 24 hour IV fentanyl dose (mcg) by 5 = oramorph conversion in mg

 (e.g. 1750mcg : 5 = 350mg oramorph in 24 hours)