

Pharmacy Conversions

Sched Abbr.			
ac	before meals	q4h	every 4 hours
qhs	@ bedtime	q6h	every 6 hours
prn	as needed	q8h	every 8 hours
pc	after meals	q12h	every 12 hours
qid	4 x daily	po	orally by mouth
bid	2 x daily	s.q./s.c.	subcutaneous
tid	3 x daily	stat	@ once
qod	every other day	ut.dict.	use as directed

Parts of syr:	Parts of Admin set:
tip	Spike Additive Port
barrel	Drip Chamber
inner core plunger	Roll Clamp
	Filter Device

Household (solid)	Exact	Approx
1 grain (gr)	65mg	65mg
5 grains	325mg	325mg
10 grains	650mg	650mg
1 ounce (oz)	28.35g	28.35g
1 pound (lb)	373.2g	454g
2.2 pounds (lbs)	1kg	1kg

Ratio strength		
1 unit active drug: X units of total form.		
<u>known amount active</u>	=	<u>1 unit active</u>
<u>known amount total</u>		X units total

Drip Rates		
<u>total volume being infused(ml)</u>	X drop factor (gtts/ml)	= drip rate (gtts/min)
<u>total time of infusion (hr/min)</u>		
<u>desired dosage (want)</u>	X drop factor (gtts/ml)	= drip rate (gtts/min)
<u>dosage available (have)</u>		

IV Flow Rate		
<u>total volume being infused(ml)</u>	= rate of infusion (ml/hr(min))	(used when entire volume of IV bag is to be infused)
<u>total time of infusion (hr/min)</u>		
<u>desired dosage (want)</u>	= rate of infusion (ml/hr(min))	(used when a given concentration is known)
<u>dosage available (have)</u>		
<u>known ml of fluid infused (known rate)</u>	=	<u>X ml (unknown value)</u>
<u>1 hour</u>		<u>Total time of infusion (hr or min)</u>

Fried's Rule: (age in months/ 150) X adult dose
Young's Rule: (age in years/age +12) X adult dose
Clark's Rule: (weight in lbs/150) X adult dose

Dosage Abbr.			
amp	ampule	ung/oint	ointment
EC	Enteric Coated	syr	syringe
DS	double strength		
gtts	drops		
inj	injection		
supp	suppository		
susp	suspension		
DNREF: do not refrigerate after dispensing			

Household (liquid)	Exact	Approx
20 drops (gtts)	1ml	1ml
1 teaspoon (tsp)	5ml	5ml
1 tablespoon (tbsp)	15ml	15ml
1 dram (dr)	3.69ml	5ml
1 fluid ounce (fl oz)	29.57ml	30 ml
8 fluid ounce (1 cup)	236.56ml	240ml
16 fluid ounce (1 pint)	473ml	480ml
1 pint (96 tsp)	480ml	
2 pints (1 quart)	946ml	960ml
1 gallon (4 quarts)	3784 ml	3840 ml

Weight based dosage Calculations	
<u>mg of drug</u>	convert wt to kg
<u>kg of body weight</u>	set up equation
	solve for unknown

Temp Conversion
C to F = 32 + (1.8 xC)
F to C = (F - 32)/1.8

IV Admixture fl abbr.
D = dextrose NS NaCl = 0.9%
= % strength
fraction = % strength of NaCL solution
W, NS, or LR = solution type

% strength: all over 100 (x/100)
w/v = weight(g)/Volume(ml)
w/w = weight(g)/weight(g)
v/v = volume(ml)/volume(ml)

Ratio/proportions
a:b::c:d = ration denotion
a/b = c/d proportion denotion

Alligations		
A:		D:
	B:	
C:		E:
A: greatest % strength total parts: D+E		
B: desired % strength		
C: weakest % strength		
D: (B-C)= parts of greatest % strength		
E: (A-B) = parts of weakest % strength		
<u>D</u>	X desired volume	= volume of A
Total Parts		
<u>E</u>	X desired volume	= volume of C
Total Parts		

When determining % to actually what you need; put the % given over 100

1:10,000 = 1 unit (g/ml) active ing/10,000 (g/ml) of total formulation