

Weight	Morphine 4 hourly	MST b.d.	Morphine	Morphine	Oxynorm# 4 - 6 hourly	Oxycontin# b.d	Diamorphine	Diamorphine	Fentanyl 72 Hourly	Fentanil iv	Alfentanil iv
	Oral	Oral	IV or s/c 4-6 hourly	IV or s/c 24 hours	Oral	Oral	4 hourly IV or s/c	24 hours IV or s/c	Transdermal	24 hours IV or s/c	24 hours IV or s/c
	10mg/5ml; 30mg/5ml; 100mg/5ml tablets (scored); 10, 20, 50mg	Granules 20, 30, 60, 100 200mg/sachet tablets 5, 10, 15, 30, 60 100, 200mg	on 10, 15, 20 & 30mg/ml x 1ml & 2ml	IV	liquid 5mg/5ml, 10mg/ml capsules; 5, 10, 20mg;	tablets 5,10, 20, 40, 80mg	ampoules; 5, 10, 30, 100, 500mg	ampoules; 5, 10, 30, 100, 500mg	patches 12, 25, 50, 75, 100microgram/hr	50microgram/ml x 2ml or 10ml	500microgram/ml x 2ml or 10ml; 5mg/ml x 1ml
					# = Oxycodone not licenced in UK under 18 years						
(starting dose only)	<3months 50 - 100 microgram/kg/dose		< 3 months 25 - 50 microgram/kg/dose				<3 month 20microgram/kg/dose				
	3 - 6 month 100 - 150 microgram/kg/dose		3 - 6 months 50-75 microgram/kg/dose				3 - 6 months 25 - 50 microgram/kg/dose				
	6 - 12 months 200 microgram/kg/dose		6 - 12 months 100 microgram/kg/dose				6 - 12 months 75 microgram/kg dose				
	>1 year 200 - 300microgram/kg/dose		>1 year 100 - 150 microgram/kg/dose		100 - 150 microgram/kg/dose WHO		75 - 100 microgra/kg/dose				
3	0.25	0.75	0.125	0.5	0.10		0.05	0.3		0.015	0.03
5	0.5	1.5	0.25	1.5	0.25		0.2	1		0.03	0.1
7	1.5	4.5	0.75	4.5	0.75		0.5	3		0.09	0.3
10	2	6	1	6	1		0.8	5	6	0.12	0.5
12	3	9	1.5	9	2		1	6	6	0.18	0.6
15	4	12	2	12	3		1.5	8	12	0.24	0.75
20	5	15	2.5	15	3		2	10	12	0.3	1
25	7.5	20	3.5	20	4	10	2	10	12	0.4	1.25
30	7.5	20	3.5	20	4	10	2.5	15	12	0.4	1.5
35	10	30	5	30	5	10	2.5	15	25	0.6	1.75
40	10	30	5	30	5	10	3.5	20	25	0.6	2
45	10	30	5	30	5	10	3.5	20	25	0.6	2.25
50	10	30	5	30	5	10	4.5	25	25	0.6	2.5
Over 50kg and adult	15	45	7.5	45	5	10	5	30	37	0.9	3
Approximate	20	60	10	60	10	30	6	40	50	1.2	4
conversion	25	75	12.5	75	15	30	8	50	62	1.5	5
	30	90	15	90	15	40	10	60	75	1.8	6
	40	120	20	120	20	60	15	80	100	2.4	8
	50	150	25	150	25	80	15	100	125	3	10
	70	210	35	210	30	100	20	140	175	4.2	14
	90	270	45	270	40	120	30	180	225	5.4	18
	110	330	55	330	50	160	40	220	275	6.6	22
	140	420	70	420	70	200	50	280	350	8.4	28
	170	510	85	510	80	240	60	340	425	10.2	34
Opiate equivalents:	equivalent dose of enteral morphine = dose of opiate x potency ratio					equivalent dose of other opiate = dose of enteral morphine/ potency ratio					
Approximate	1		2		2		3			100	30
potency ratios											
Fentanyl patch	Equivalent dose of 4 - 6 hourly morphine = patch strength (microgram/hr) x 0.6										

Notes: Starting doses are given as per Alder Hey Specialist Palliative Care team guidelines. Using opiate equivalents to calculate starting doses of opiates other than morphine may give a higher dose than if calculated from reference doses per kg. Therefore the lowest doses have been given for safety reasons.