

EPINEPHRINE DRIP CHART

For a concentration of 4 mcg of epinephrine per milliliter solution.
1 mg of 1:1,000 mixed in 250 ml of NS

Mix 1mg of epinephrine 1:1,000 in 250ml = 4 mcg/ml	
1 mcg drip = 15 gtt/min	6 mcg drip = 90 gtt/min
2 mcg drip = 30 gtt/min	7 mcg drip = 105 gtt/min
3 mcg drip = 45 gtt/min	8 mcg drip = 120 gtt/min
4 mcg drip = 60 gtt/min	9 mcg drip = 135 gtt/min
5 mcg drip = 75 gtt/min	10 mcg drip = 150 gtt/min

*Based on a micro drip calibration of 60 drops equal to 1.0 milliliter.

LIDOCAINE DRIP CHART

For a concentration of 4 mg of lidocaine per milliliter solution.
1 g mixed in 250 ml of NS.

Mix 1g of lidocaine 1:1,000 in 250ml = 4 mg/ml	
1 mg drip = 15 gtt/min	2 mg drip = 30 gtt/min
3 mg drip = 45 gtt/min	4 mg drip = 60 gtt/min

*Based on a micro drip calibration of 60 drops equal to 1.0 milliliter.

INTRANASAL MIDAZOLAM CHART

Patient age	Weight (kg)	Volume in ml (5 mg/ml)	Maximum Dose (mg)
Neonate	3 kg	0.3 ml	0.6 mg
<1 year	6 kg	0.4 ml	1.2 mg
1 year	10 kg	0.5 ml	2.0 mg
2 years	14 kg	0.7 ml	2.8 mg
3 years	16 kg	0.8 ml	3.2 mg
4 years	18 kg	0.9 ml	3.6 mg
5 years	20 kg	1.0 ml	4.0 mg
6 years	22 kg	1.0 ml	4.4 mg
7 years	24 kg	1.1 ml	4.8 mg
8 years	26 kg	1.2 ml	5.2 mg
9 years	28 kg	1.3 ml	5.6 mg
10 years	30 kg	1.4 ml	6.0 mg
11 years	32 kg	1.4 ml	6.4 mg
12 years	34 kg	1.5 ml	6.8 mg
Small teenager	40 kg	1.8 ml	8.0 mg
Adult/large teenager	> 50 kg	2.0 ml	10.0 mg

PEDIATRIC MEDICATION CHARTS

DO NOT EXCEED ADULT TOTALS

c = concentration

	Premie	NB	3 Mos.	6 Mos.	1 Yr	2 Yr	4 Yr	6 Yr	8 Yr	10 Yr	12 Yr
Body Length in cm	≤ 53	54-58	59-65	66-74	75-80	81-86	87-99	100-113	114-132	133-158	159-189
Av. Body Wt kg	< 2.5	2.5 - 4	6	7	10	12	16	20	25	34	41
Act Charcoal c=6.25 g/oz. dose = 1 g/kg	1–2.5 g	2.5-4 g	6 g	7 g	10 g	12 g	16 g	20 g	25 g	34 g	41 g
Adenosine c = 3 mg/ml dose = 0.1 mg/kg	-	0.25– 0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2.0 mg	2.5 mg	3.4 mg	4.1 mg
Albuterol 1 unit dose (3 ml of 0.083% solution)	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg
Amiodarone c= 50 mg/ml dose= 5 mg/kg	-	12.5 - 20 mg	30 mg	35 mg	50 mg	60 mg	80 mg	100 mg	125 mg	170 mg	205 mg
Atropine IV c = 0.1 mg/ml dose = 0.02 mg/kg	-	.1 mg	0.12 mg	0.14 mg	0.2 mg	0.24 mg	0.32 mg	0.4 mg	0.5 mg	0.68 mg	0.82 mg
Dextrose (D10) dose = 5 ml/kg	5–12.5 ml	12.5 - 20 ml	30 ml	35 ml	50 ml	60 ml	80 ml	100 ml	125 ml	170 ml	205 ml
Dextrose (D25) dose = 2 ml/kg	2–5 ml	5 - 8 ml	12 ml	14 ml	20 ml	24 ml	-	-	-	-	-
Dextrose (D50) dose = 1 ml/kg	-	-	-	-	-	-	16 ml	20 ml	25 ml	34 ml	41 ml
Diphenhydramine c = 10 mg/ml dose = 1 mg/kg	1–2.5 mg	2.5 – 4 mg	6 mg	7 mg	10 mg	12 mg	16 mg	20 mg	25 mg	34 mg	41 mg
Epi1:10,000 IV/IO dose = 0.01 mg/kg	0.01- 0.025 mg	0.025 – .04 mg	0.06 mg	0.07 mg	0.1 mg	0.12 mg	0.16 mg	0.2 mg	0.25 mg	0.34 mg	0.41 mg
Epi1:1,000 IM dose = 0.01 mg/kg	-	-	0.06 mg	0.07 mg	0.1 mg	0.12 mg	0.16 mg	0.2 mg	0.25 mg	0.34 mg	0.41 mg

	Premie	NB	3 Mos.	6 Mos.	1 Yr	2 Yr	4 Yr	6 Yr	8 Yr	10 Yr	12 Yr
Body Length in cm	≤ 53	54-58	59-65	66-74	75-80	81-86	87-99	100-113	114-132	133-158	159-189
Av. Body Wt kg	< 2.5	2.5 - 4	6	7	10	12	16	20	25	34	41
Fluid Challenge dose = 20 ml/kg	20–50 ml	50–80 ml	120 ml	140 ml	200 ml	240 ml	320 ml	400 ml	500 ml	680 ml	820 ml
Glucagon c = 1 mg/ml or 1 unit/ml dose = 0.05 mg/kg (up to 1 mg)	0.05 – 0.125 mg	0.125 – 0.2 mg	0.3 mg	0.35 mg	0.5 mg	0.6 mg	0.8 mg	1 mg	1 mg	1 mg	1 mg
Ipratropium bromide c= 0.2 mg/ml dose=	250 mcg	250 mcg	250 mcg	250 mcg	250 mcg	250 mcg	250 mcg	250 mcg	500 mcg	500 mcg	500 mcg
Lidocaine IV c = 20 mg/ml dose = 1 mg/kg	-	2.5 – 4 mg	6 mg	7 mg	10 mg	12 mg	16 mg	20 mg	25 mg	34 mg	41 mg
Magnesium Sulfate c= 500 mg/ml dose= 50 mg/kg	-	0.15-0.2 gm	0.3 gm	0.35 gm	0.5 gm	0.6 gm	0.8 gm	1 gm	1.25 gm	1.7 gm	2.0 gm
Midazolam c = 1 mg/ml dose 0.1 mg/kg	0.2 mg	0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2 mg	2.5 mg	3.4 mg	4.1 mg
Morphine c = 10 mg/ml dose = 0.1 mg/kg	-	0.25 - 0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2 mg	2.5 mg	3.4 mg	4.1 mg
Naloxone c = 1 mg/ml dose = 0.1 mg/kg	0.1 – 0.25 mg	0.25 - 0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2 mg	2 mg	2 mg	2 mg
Sodium Bicarb c = 1 mEq/ml dose = 1 mEq/kg	1 – 2.5 mEq	2.5 – 4 mEq	6 mEq	7 mEq	10 mEq	12 mEq	16 mEq	20 mEq	25 mEq	34 mEq	41 mEq

TRAUMA TRIAGE CRITERIA

1. Physiologic

- Glasgow Coma Score <14;
- Systolic blood pressure (Adult) < 90;
- Systolic blood pressure (Child 7-14) < 85;
- Systolic blood pressure (Child <6) < 70;
- Resp Rate < 10 or > 30 per min;
- Resp Rate Infant <1yo: > 30 per min.

2. Anatomic

- Penetrating injuries to head, neck, torso, & extremities proximal to elbow & knee
- Flail chest
- Two or more proximal long bone fractures
- Crushed, degloved, or mangled extremity
- Amputation proximal to wrist & ankle
- Suspected pelvic fracture
- Open or depressed skull fracture
- Traumatic Paralysis

3. Mechanism of injury

- Falls (Adult) ≥ 20 ft (1 story = 10 ft)
- Falls (Child) ≥ 10 ft or 3X child's height
- High Risk Automobile Crash
 - i) Intrusion > 12" at occupant site
 - ii) Ejection from automobile
 - iii) Unrestrained rollover
 - iv) Vehicle telemetry
- Automobile vs. Pedestrian/Bicyclist
 - i) Ped/bicyclist thrown or run over
 - ii) Significant (> 20 mph) impact
- Motorcycle Crash > 20 mph

4. Special Considerations

- Older adults: age 55
- Anticoagulation or bleeding disorders
- Burns- Refer to burn triage criteria
- Death in same passenger compartment
- Renal disease requiring dialysis
- Pregnancy > 20 weeks with complaint of injury
- EMS provider judgment

Los Angeles Prehospital Stroke Screen (LAPSS)

If LAPSS score is ≥ 4, contact Base Hospital with "Stroke Alert" as soon as possible

	Normal	Left	Right
Facial Smile/Grimace	<input type="checkbox"/>	<input type="checkbox"/> Droop (1 pt)	<input type="checkbox"/> Droop (1 pt)
Grip	<input type="checkbox"/>	<input type="checkbox"/> Weak Grip (1 pt) <input type="checkbox"/> No Grip (2 pts)	<input type="checkbox"/> Weak Grip (1 pt) <input type="checkbox"/> No Grip (2 pts)
Arm Weakness (with eyes closed, hold arms out with palms up for 5 seconds)	<input type="checkbox"/>	<input type="checkbox"/> Drifts Down (1 pt) <input type="checkbox"/> Falls Rapidly (2 pts)	<input type="checkbox"/> Drifts Down (1 pt) <input type="checkbox"/> Falls Rapidly (2 pts)
			Yes No
Patient age over 45 years			
No prior history of seizure disorder			
New onset of neurologic symptoms in last 24 hours			
Patient was ambulatory at baseline (prior to event)			
Blood glucose between 60 and 400			
Based on exam (above), patient has unilateral (not bilateral) weakness.			

Sepsis Screen

Patient should be presumed to be septic if the patient meets two or more of the following criteria, with no other identifiable cause;

1. **Temperature > 100.4° or < 96°**
2. **Heart rate > 90**
3. **Respiratory rate > 20**

**TUOLUMNE COUNTY EMS AGENCY
FIBRINOLYTIC CHECKLIST**

Date _____ PCR# _____ Receiving Facility _____

Patient Name _____ DOB _____ Medic Unit _____

If ANY of the following is checked YES, fibrinolysis MAY be contraindicated:

- | | YES | NO |
|---|-----|-----|
| 1. Chest pain lasting greater than 12 hours | () | () |
| 2. Systolic BP greater than 180 mmHg | () | () |
| 3. Diastolic BP greater than 100 mmHg | () | () |
| 4. Age younger than 35 if male or 40 if female | () | () |
| 5. History of stroke, TIA, brain tumor, A-V malformation or other CNS disease | () | () |
| 6. Internal bleeding in past 2-4 weeks | () | () |
| 7. Surgery or trauma in past 6 weeks, including laser eye surgery | () | () |
| 8. Closed head/facial trauma past 3 months | () | () |
| 9. Bleeding or clotting problems or on anticoagulants | () | () |
| 10. Pregnant female | () | () |
| 11. Terminal illness | () | () |
| 12. Serious systemic disease, including liver or kidney disease | () | () |
| 13. Previous hypersensitivity to reteplase | () | () |

High Risk?

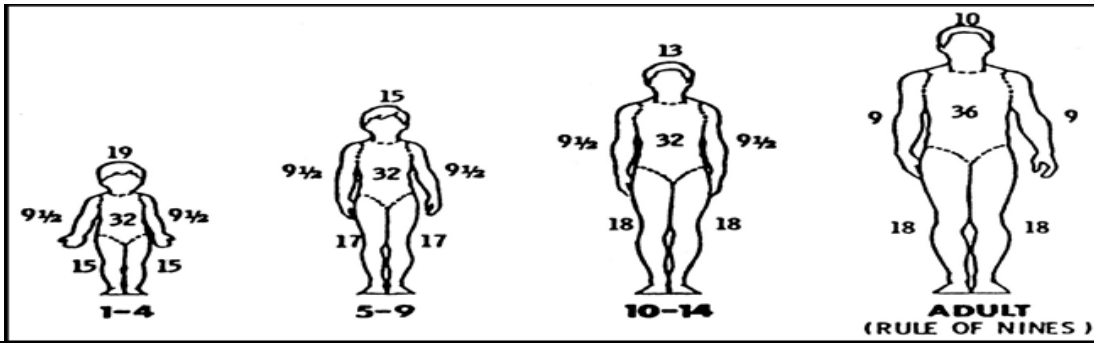
If any of the following are checked YES, consider transport to PCI facility:

- | | YES | NO |
|---|-----|-----|
| 1. Heart rate greater than or equal to 100 bpm AND SBP less than 100 mmHg | () | () |
| 2. Pulmonary edema (rales) | () | () |
| 3. Signs of shock (cool, clammy) | () | () |
| 4. Contraindications to fibrinolytic therapy | () | () |

Assessing Paramedic Signature

Paramedic License #

Burn Surface Area



Rate based on a single micro infusion set, with drip calibration of 60 drops equal to 1.0 milliliter.

Rate based on a single macro infusion set drip, with calibration of 10 drops equal to 1.0 milliliter.

Rate based on two macro infusion sets, with drip calibration of 10 drops equal to 1.0 milliliter. Both IVs should be infusing at the prescribed drip rate.

Drip Rate Based on Surface Area Burned (2° & 3°) and Body Weight

Wt kg	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
9%	15	30	45	45	60	75	90	100	100	100	20	25	25	30	30
9.5%	15	30	45	45	60	75	90	100	100	100	20	25	25	30	30
10%	15	30	45	45	100	100	90	100	100	20	25	25	30	30	30
15%	15	45	60	75	100	100	25	25	30	30	30	45	45	45	45
17%	30	45	60	90	100	20	25	30	30	45	45	45	45	45	60
18%	30	45	60	90	100	25	30	30	30	45	45	45	60	60	60
19%	30	45	75	100	100	25	30	30	30	45	45	45	60	60	60
24%	30	45	90	20	25	30	30	45	45	45	45	60	60	75	75
24.5%	30	45	90	20	25	30	30	45	45	45	60	60	60	75	75
28%	45	75	100	25	30	45	45	45	60	60	60	75	75	75	90
30%	45	75	100	25	30	45	45	45	60	60	60	75	75	90	90
32%	45	75	20	30	30	45	45	45	60	60	75	75	90	90	100
36%	45	90	25	30	45	45	60	60	60	75	75	90	90	100	100
37%	45	90	25	30	45	45	60	60	60	75	75	90	100	100	100
38%	45	100	25	30	45	45	60	60	75	75	75	90	100	100	100
39%	45	100	25	30	45	45	60	60	75	75	90	90	100	100	100
41.5%	45	100	25	45	45	60	60	75	75	90	90	100	100	60	60
45%	60	100	30	45	45	60	60	75	75	90	100	100	60	60	60
46%	60	100	30	45	45	60	60	75	75	90	100	100	60	60	60
47%	60	100	30	45	45	60	75	75	90	90	100	100	60	60	60
49%	60	20	30	45	45	60	75	75	90	100	100	60	60	60	75
51%	60	20	30	45	45	60	75	75	90	100	100	60	60	60	75
54%	60	25	30	45	60	60	75	90	100	100	60	60	60	75	75
54.5%	60	25	30	45	60	75	75	90	100	100	60	60	60	75	75
56.5%	75	25	45	45	60	75	75	90	100	100	60	60	75	75	90
58.5%	75	25	45	45	60	75	75	90	100	60	60	60	75	75	90
62%	75	25	45	45	60	75	90	100	100	60	60	75	75	90	90
63%	75	30	45	45	60	75	90	100	100	60	60	75	75	90	100
64%	75	30	45	45	60	75	90	100	60	60	60	75	75	100	100
66%	90	30	45	45	75	75	90	100	60	60	75	75	90	100	100
68%	90	30	45	60	75	75	100	100	60	60	75	75	90	100	100
71%	90	30	45	60	75	90	100	100	60	60	75	90	90	100	100
71.5%	90	30	45	60	75	90	100	100	60	75	90	90	90	100	100
75.5%	100	30	45	60	75	90	100	60	60	75	90	90	100	100	100
81%	100	30	45	60	75	100	100	60	75	75	90	100	100	100	120
82%	100	30	45	75	90	100	100	60	75	75	90	100	100	100	120
90.5%	100	45	60	75	90	100	60	75	75	90	100	100	100	120	150
91%	100	45	60	75	90	100	60	75	75	90	100	100	100	120	150
100%	20	45	60	90	100	60	60	75	90	100	100	100	120	150	150

Rate based on a single macro infusion set, with a drip calibration of 10 drops equal to 1.0 milliliter.

Rate based on two macro infusion sets, with a drip calibration of 10 drops equal to 1.0 milliliter. Both IVs should be infusing at the prescribed drip rate.

Drip Rate Based on Surface Area Burned (2° & 3°) and Body Weight

Wt kg	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
9%	30	45	45	45	45	45	45	45	45	45	45	45	60	60	60
9.5%	30	45	45	45	45	45	45	45	45	45	45	45	60	60	60
10%	30	45	45	45	45	45	45	45	45	45	45	60	60	60	60
15%	45	45	60	60	60	60	75	75	75	75	75	75	90	90	90
17%	60	60	60	60	75	75	75	75	75	90	90	90	100	100	100
18%	60	60	60	75	75	75	75	75	90	90	100	100	100	100	100
19%	60	60	75	75	75	75	90	90	90	90	100	100	100	100	100
24%	75	90	90	90	100	100	100	100	60	60	60	60	60	60	75
24.5%	75	90	90	90	100	100	100	100	60	60	60	60	60	60	75
28%	90	100	100	100	100	100	100	100	60	75	75	75	75	75	75
30%	100	100	100	100	60	60	60	60	75	75	75	75	75	90	90
32%	100	100	60	60	60	60	60	75	75	75	75	90	90	100	100
36%	60	60	60	60	75	75	75	75	90	90	90	100	100	100	100
37%	60	60	60	60	75	75	75	90	90	100	100	100	100	100	100
38%	60	60	60	75	75	75	75	90	90	100	100	100	100	100	100
39%	60	60	60	75	75	75	90	90	100	100	100	100	100	100	100
41.5%	60	60	75	75	75	90	90	100	100	100	100	100	100	120	120
45%	75	75	75	90	90	100	100	100	100	100	100	120	120	120	150
46%	75	75	75	90	100	100	100	100	100	100	120	120	120	120	150
47%	75	75	75	90	100	100	100	100	100	100	120	120	120	150	150
49%	75	75	90	100	100	100	100	100	100	120	120	120	150	150	150
51%	75	90	100	100	100	100	100	100	120	120	120	150	150	150	150
54%	90	100	100	100	100	100	100	120	120	150	150	150	150	150	150
54.5%	90	100	100	100	100	100	120	120	120	150	150	150	150	150	150
56.5%	90	100	100	100	100	100	120	120	150	150	150	150	150	150	150
58.5%	100	100	100	100	100	120	120	120	150	150	150	150	150	150	150
62%	100	100	100	100	120	120	150	150	150	150	150	150	150	150	150
63%	100	100	100	120	120	120	150	150	150	150	150	150	150	150	150
64%	100	100	100	120	120	120	150	150	150	150	150	150	150	150	WO
66%	100	100	100	120	120	150	150	150	150	150	150	150	150	150	WO
68%	100	100	120	120	150	150	150	150	150	150	150	150	150	WO	WO
71%	100	120	120	120	150	150	150	150	150	150	150	WO	WO	WO	WO
71.5%	100	120	120	150	150	150	150	150	150	150	150	WO	WO	WO	WO
75.5%	120	120	150	150	150	150	150	150	150	150	WO	WO	WO	WO	WO
81%	120	150	150	150	150	150	150	150	WO	WO	WO	WO	WO	WO	WO
82%	120	150	150	150	150	150	150	150	WO	WO	WO	WO	WO	WO	WO
90.5%	150	150	150	150	150	150	WO	WO	WO	WO	WO	WO	WO	WO	WO
91%	150	150	150	150	150	150	WO	WO	WO	WO	WO	WO	WO	WO	WO
100%	150	150	150	150	WO	WO	WO	WO	WO	WO	WO	WO	WO	WO	WO