

Legacy Oregon Burn Center

at Legacy Emanuel Medical Center

503-413-4232 or 1-888-598-4232

Please call to speak with a Burn Center intake/triage/consult nurse for all concerns and referrals.

American Burn Association Referral Criteria

- Partial and full thickness burns equaling more than 10% of total body surface area (this does not include 1st degree or superficial burns)
- Burns involving the face, hands, feet, genitalia, perineum, or major joints
- All electrical (including lightning), chemical or inhalation injuries
- Burn injury patients with pre-existing medical conditions or history
- Burn injuries with associated traumatic injuries
- Any suspicion of non-accidental trauma for either pediatric or adult patients
- Any special social, emotional or rehabilitative considerations

Assessment	Management	Fluid Rates	Target Urine Output	Wound Management
<ul style="list-style-type: none"> • Maintain patient airway • Assess breathing/highflow O2 • Assess and treat associated injuries • C-spine precaution if indicated • Monitor peripheral pulses • Assess for circumferential burn 	<p>Keep warm and dry!</p> <ul style="list-style-type: none"> • Check tetanus status • Manage pain and anxiety • Baseline lab: <ul style="list-style-type: none"> –CBG, ABG/VBG –Glucose in children –EKG with electric injury –Carboxyhemoglobin if indicated 	<p>Initial Rate for Burn >20%</p> <ul style="list-style-type: none"> ≤ 5 yr old: LR @125 ml/hr 6–13 yrs old = LR @ 250 ml/hr ≤ 14 yrs old = LR @ 500 ml/hr <p>Adjusted fluid rate</p> <ul style="list-style-type: none"> • Give ½ first 8 hrs (from time of arrival) • Give ½ in next 16 hrs • Example: 4cc x 50% BSA x 70 kg. = 14,000cc Administer: 7,000cc 1st 8 hrs – 7,000cc next 16 hrs 	<p>Maintain urine output of:</p> <ul style="list-style-type: none"> Adult = 30–50 ml/hr Child = 1 ml/kg/hr Infant = 2 ml/kg/hr 	<ul style="list-style-type: none"> • Keep warm and dry! • Cover wounds with clean dry sheet. • Apply dressings only after speaking to the Burn Center

Category	Age and weight	Adjusted fluid rate
Flame or scald	Adults and older children (≥14 years old)	2 ml LR x kg x % TBSA
	Children (<14 years old)	3 ml LR x kg x % TBSA
	Infants and young children (≤30kg)	3 ml LR x kg x % TBSA Plus D5LR at maintenance rate (4*2*1 Formula)
Electrical injury	All ages	4 ml LR x kg x % TBSA

<p>Inhalation Injuries</p> <p>Treat the <u>symptom</u>, NOT the sign</p> <ul style="list-style-type: none"> • Symptom = Wheezing • Sign = Soot 	<p>Chemical Burns</p> <ul style="list-style-type: none"> • Protect yourself first • Brush off any dry substances • Irrigate with copious amounts of water for at least 30 mins • Keep warm 	<p>Electrical Injuries</p> <ul style="list-style-type: none"> • Special fluid rate per table • Obtain baseline EKG • Continuous cardiac monitoring • Close observation of respiratory status
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Burn Type and Characteristics

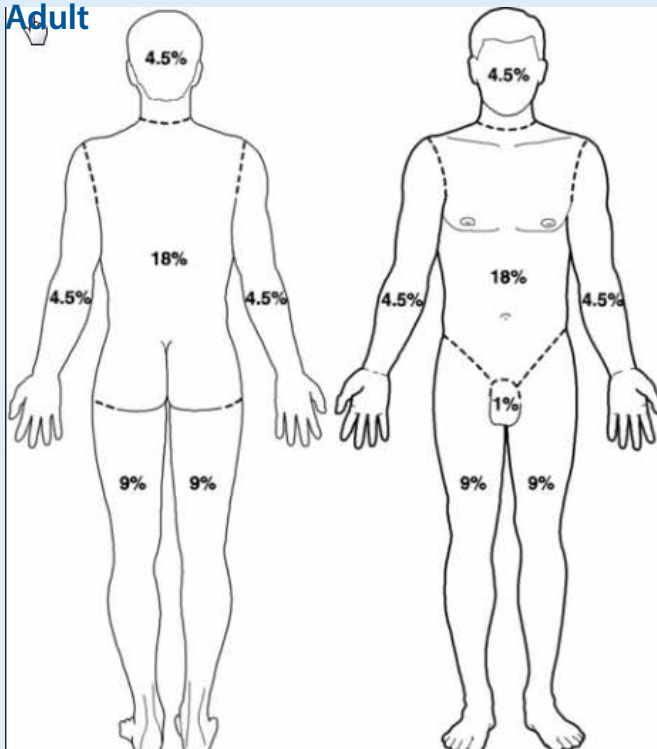
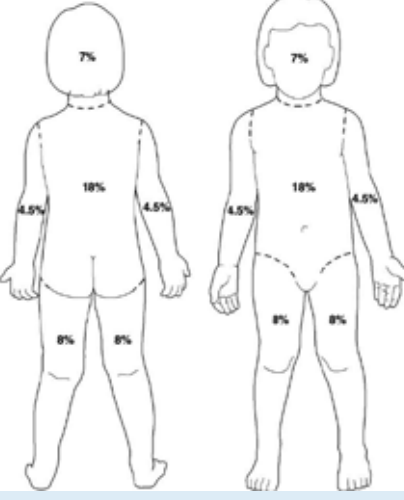

<p>First Degree Superficial</p> <ul style="list-style-type: none"> • Red • Painful • Blanches • Moist or dry • May have blisters • May become edematous 	
<p>Second Degree Partial thickness</p> <ul style="list-style-type: none"> • Can be red or white • Dryer or blisters • Not as painful 	
<p>Third Degree Full thickness</p> <ul style="list-style-type: none"> • White, cherry red, brown or black • Hard and leathery • Painless • Does not blanch 	

Do not include superficial burns in the calculation of the total body surface area

Rule of Palm

Use the size of the patient's hand, including fingers, as 1%



Adult	Child	Infant
		

www.legacyhealth.org

