

# Parkland Formula for Burns

- One of the most well-known, widely used formulas to calculate initial fluid requirements in severe burn patients

$$4\text{mL} \times \text{Body Weight (kg)} \times \text{TBSA (\%)} = \text{Total Fluid Volume in First 24 Hours}$$

1/2 of the volume  
given in first 8 hours

1/2 of the volume given  
over the next 16 hours

- *Partial thickness and full thickness*
- Involving *> 20% TBSA in Adults; > 10% TBSA in Children or Elderly*
- Smaller burns but with oral or inhalation injury (Can't tolerate PO fluids)
- Closely monitor fluid status in those with CHF, CKD, etc.