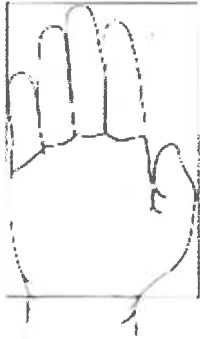


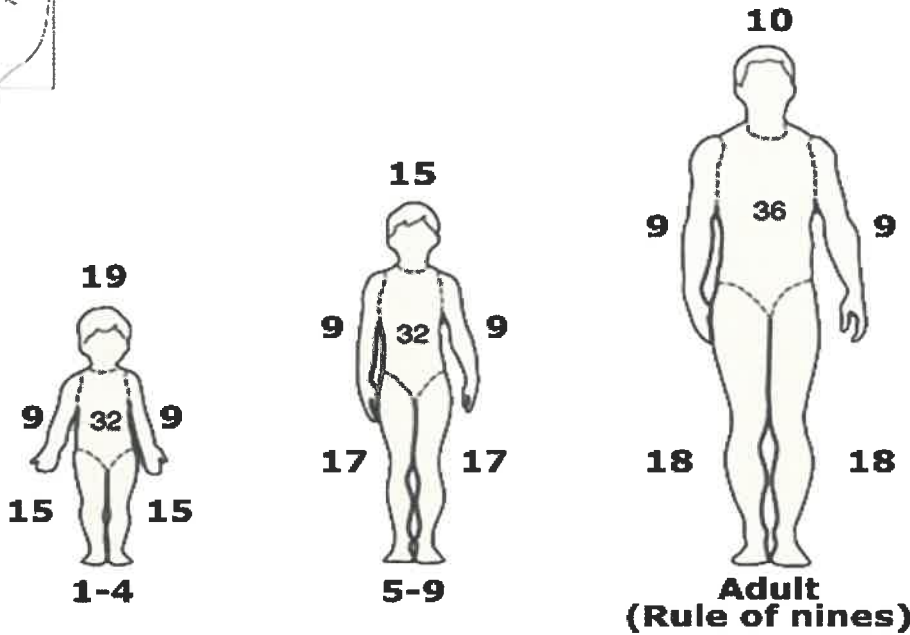


**ESTIMATE OF BODY SURFACE AREA BURNED AND DISPOSITION**

Percentage Assessment of Total Body Surface Area Burned:



Patient's entire palmar surface is approximately 1%



The goal of this assessment is to determine if transport to a burn center is necessary. If the total body surface area (TBSA) burned is 10% or more, the patient should go to a burn center. Estimate the total body surface area burned using the chart or palm, then add percentages to get total. Do not count first degree burns.

For example:

Adult: Burns to back of trunk and back of one leg =  $36\% / 2 + 18\% / 2 = 18\% + 9\% = 27\%$  TBSA  
 8 y.o. Child: Burns to back of trunk and back of a leg =  $32\% / 2 + 17\% / 2 = 16\% + 8\% = 24\%$  TBSA

For combined burns, second and third degree, combine body surface area determination to arrive at total.

In Orange County, the following should also be triaged to a burn center:

- Any third degree burn
- Suspected inhalation injury
- Chemical burns
- Second degree burns of face, genitalia, perineum, hand, and foot
- High voltage (> 500-1000 V) electrical injuries
- Pediatric (<10 years old or 30 kg)

**Calculation for percentage of total body surface area (TBSA) burned does not need to be exact. The goal is to determine if TBSA is < or > 10%.**

Approved:

*Carl Schultz, MD.*

Reviewed: 03/22/2023

Final Date for Implementation: 10/01/2023