

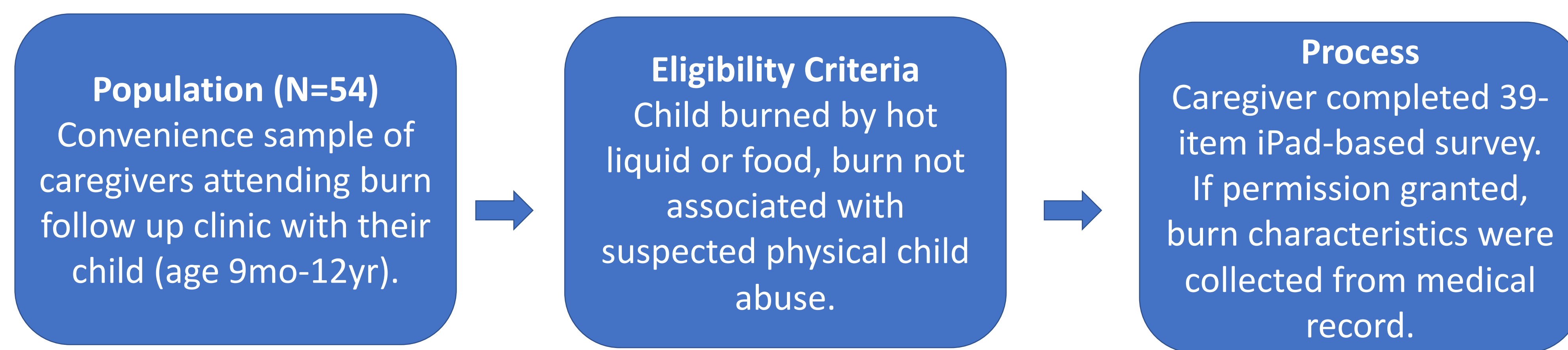
Pediatric scald burns most commonly occur in child's home under adult supervision. Adults are not confident in their first aid ability and are unable to accurately describe burn severity.

Population

- Recruited caregivers of pediatric scald burn patients seen at an ABA verified burn center.
- Typical participant was mother (74%) between ages 30-49 years old (68%) with a high school degree or higher (98%).
- Typical child with scald burn was a male (63%) between 0-5 years old at time of the burn* (63%).

*As reported in the medical record

Methods



Medical Record and Parent Report

	Parent Report (n=41), n (%)	Medical Record (n=41), n (%)
Total Body Surface Area (TBSA)		
TBSA 1-25%	21 (51%)	38 (93%)
TBSA 26-100%	0	0
TBSA unknown	20 (49%)	3 (7%)
Description of Burn Depth/Severity*		
Deep/Full Thickness, Partial/Deep	9 (22%)	4(10%)
Superficial Partial, Superficial, Partial	21 (51%)	35 (85%)
Unknown	11 (27%)	2 (5%)

*Parent responses were collapsed into two categories

Burn Characteristics and First Aid Knowledge

Mechanism and Circumstances of Burn	Percent Participants (N=54*)
Location where burn occurred	
Child's Home	80%
Relative's Home	13%
Daycare	2%
Car	4%
If at a home, in which room of the house did the injury occur?	N=50
Bedroom	4%
Dining Room	12%
Kitchen	66%
Living Room	14%
Other	4%
Percent reporting child was in their care when injury occurred	70%
Percent reporting they saw the injury occur (N=39)	37%
Percent reporting someone else saw injury occur (N=24)	43%
How did the hot liquid spill on the child?	
Child pulled it onto him/herself	39%
Child knocked it over	31%
Child was sitting next to it	6%
Another person spilled it	6%
Another person knocked it over	4%
Other	15%

*Unless otherwise noted

First Aid Knowledge

First Aid Knowledge	Percent Participants (N=54*)
Was first aid applied at the time of the injury?	
Yes	70%
No	30%
At the time of the injury how confident were you in your ability to apply first aid to the scald injury?	
Not at all confident	30%
Knew enough to apply basic first aid	44%
Very confident	26%

*unless otherwise noted

Lessons Learned

- Most scald burns in this study occurred in the home, specifically in the kitchen, and were caused by the child.
- Many caregivers did not know the severity of their child's burn.
- Education and resources regarding scald burn prevention and first aid must be provided to caregivers.

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