

| HEALTH SCIENCES | DIVISION

Burn Specialty Specific Advocacy, What Can You Do for Injury Prevention?

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Conclusion

- As experts in our respective fields, we need to be aware of even small things we can do to promote general health and well being.
- We are responsible for not only

Significance

- Interestingly, all temperatures measured in the health care facilities were within safe ranges
 - Administrative areas had lower lower temperatures
 - Prevention of transmission of infection must be balanced with safety
- Elevated temperature measurements were found at our Burn conference hotel and provider

care of patients, but can also advocate for positive change.

homes.

Results

What is Safe Temperature?

EXPOSURE TIME AT GIVEN TEMPERATURES THAT CAUSE DEEP SECOND-DEGREE BURN INJURIES IN ADULTS

Temperature	Exposure Time	
120* F (49* C)	9 minutes	
124* F (51* C)	2-6 minutes	
125* F (52* C)	2 minutes	
131° F (55° C)	20-30 seconds	
140* F (60* C)	5-6 seconds	
151* F (66* C)	2 seconds	
158° F (70° C)	1 second	
160° F (71° C)	Instantaneously	_

Source: Planding Degreening & Occup. Standard 15. Her Work: Responsive and Costol (2011): American Society of Planting Degreen. Temperatures were recorded in Burn Unit, Operating room and administrative areas of our hospital, as well as at homes of Burn Care providers and the Hotel of our recent Burn National Meeting.

 Observed temperatures ranged from 104.1° F to 132.9° F with an

Methods

- Temperature measured using a Taylor Market Candy
 - Thermometer
- Selected tap is run at full hot water for 2 minutes.
- Collecting vessel is put in the stream of water while it continues to run and the temperature measured until it stabilizes.

average temperature noted at 114.8° F.

3/20 observations were above 120° F

Lessons Learned

- In the field of Burn Care, there are many sources of injury commonly found around the house, not the least of which is scolding injury from hot water.
- Tap water at elevated temperature can cause significant injury.
- Recognizing the potential to protect our own community by educating on the risks of scalding



temperature are recorded and



to measure water temperatures and let

stakeholders know the significant values.



