



## Regional Burns Outreach Program : Raising Awareness in a Developing Nation

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### Background

The burden of Burn injury in Bangladesh is significant. Yearly, 800000 people in Bangladesh sustain Burn injuries<sup>1</sup>

In 2003, it was the 5<sup>th</sup> leading cause of childhood injury, with a total of 173,000 children sustaining Burn injuries<sup>2</sup>.

In 2016, Sing-Health and the Bangladesh Ministry of Health and Family Welfare launched the 3-year long Bangladesh Burns Capacity Enhancement training programme.

### Objectives

- Identification of problems with Burn awareness in Bangladesh
- Identification of specific risks for Burn injury (Rural vs Urban)
- Aim to increase Burn awareness in Bangladesh by the development and placement of Burns Awareness posters in public areas.

### Methods & Materials

- Development of Posters
- Surveys conducted in 2018 and 2019 in conjunction with the Bangladesh Burns Capacity Enhancement Programme
- Surveys conducted post lectures / training

### Example of Surveys Conducted

**Burns Awareness Bangladesh**

Page Title:

\* 1. Your current role

Senior Doctor  
 Doctor  
 Nurse  
 Physiotherapist  
 Occupational therapist  
 Other (please specify):

\* 2. Level of experience managing Burns patients

1 to 3 years  
 3 to 4 years  
 4 to 5 years  
 More than 5 years

\* 3. Are you aware of any Burns awareness campaigns in Bangladesh?

No  
 Yes (Please Specify):

\* 4. In your opinion, please list the highest to lowest risk of Burn dangers in Bangladesh

Overloaded Power Sockets  
 Cooking / Kitchen Fires  
 Disengagement and exposed overhead Cables  
 Illegal Tapping of Electricity from the mains  
 Oil Lamp or Kerosene Fires  
 Hot Water

\* 5. Are you aware of any Burns awareness campaigns in Bangladesh?

No  
 Yes (Please Specify):

\* 6. In your opinion, in the CITY population : please rank the Burn dangers that are most likely (1) to least likely(5) to be improved from the Burns awareness Poster above.

Overloaded Power Sockets  
 Kitchen Fires  
 Overhead Cables  
 Oil / Kerosene Lamps  
 Hot Water

Please have a look at this Burns awareness poster

**গরীব**  
গরীবের জন্য

\* 7. In your opinion, in the RURAL population : please rank the Burn dangers that are most likely (1) to least likely(5) to be improved from the Burns awareness Poster above.

Overloaded Power Sockets  
 Kitchen Fires  
 Overhead Cables  
 Oil / Kerosene Lamps  
 Hot Water

\* 8. Do you believe that there is a difference between Burns awareness in the City population and the Rural population?

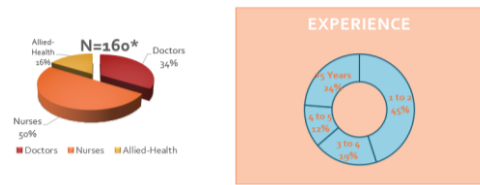
No  
 Yes(please specify):

\* 9. In your opinion, in the CITY population : please rank the Burn dangers that are most likely (1) to least likely(5) to be improved from the Burns awareness Poster above.

Overloaded Power Sockets

\* 10. How helpful do you think Burns awareness campaigns are in reducing incidence of Burn

### Results / Posters Created



**PREVENTION OF BURNS**

**OVERHEAD CABLES**  
Large voltages travel through overhead cables and even death. Unsafe handling can cause severe electrical burns and even death. Ensure adequate electrical insulation when handling live wires.

**OVERLOADED POWER SOCKETS**  
Can easily cause fires. Do not double extend. Use extensions with a safety fuse. Install additional sockets if required. Look out for sparks, smoke, burn marks and melted plastic. Replace exposed and worn out wires.

**KITCHEN SAFETY**  
Use an appropriate sized flame. Remove combustibles from surroundings. Dispose of cooking byproducts responsibly. Keep hot items out of reach of children.

**OIL LAMPS**  
Are highly flammable. Store the kerosene safely. Ensure it is placed on a stable surface. Keep out of reach of children. Ensure the lid of the lamp is closed.

**HOT WATER**  
Avoid overfilling buckets when transporting. Use containers with stable base to transport.

**পোড়া থেকে প্রতিরোধ**

মাথার উপরের তার বড় ভোল্টেজের তরঙ্গের কারণে মৃত্যু পর্যন্ত হতে পারে এবং এমনকি মৃত্যু। যখন বৈদ্যুতিক তার পরিচালনা করা হয় পর্যাপ্ত বৈদ্যুতিক অন্তরণ নিশ্চিত করুন।

বিদ্যুৎ সকেটের অতিরিক্ত ব্যবহার সর্বোচ্চ আয়ন হতে পারে। একটি নিরাপত্তা ফিউজ সুরক্ষিত করবে না। একই নিরাপত্তা ফিউজ সুরক্ষিত করে রাখুন।

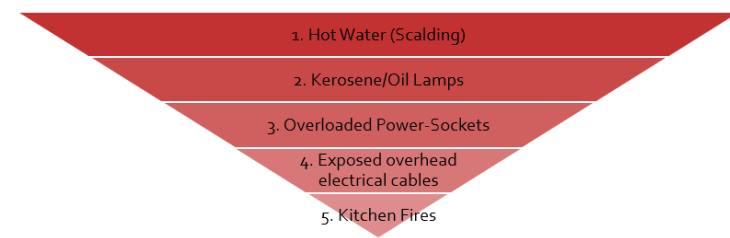
বাগ্না ঘরের নিরাপত্তা একটি উপযুক্ত আকারের আয়ন ব্যবহার করুন। আগুনের জ্বলন্ত জিনিসপত্রের কাছাকাছি রাখুন। বাগ্না উপরোক্ত নিয়মগুলি সঠিকভাবে মেনে চলুন।

তেলের বাতি অত্যন্ত জ্বলন্ত হয়। নিরাপত্তা মেসেজের নিয়মগুলি মেনে চলুন। এটি সময়ে আয়ন উপর রাখুন। নিশ্চিত করুন। শিশুদের মাথার বাইরে রাখুন।

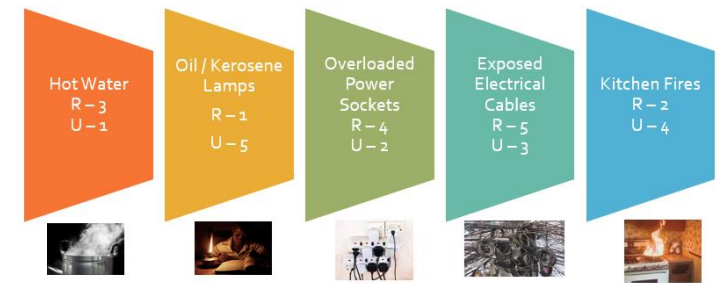
পরম পানি অতিরিক্ত পানি তরঙ্গ থেকে বিতরণ করুন। পরিবহন করবেন পরিবহনের ক্ষেত্রে স্থিতিশীল কন্টেইনার ব্যবহার করুন।

Courtesy:

### Results – Specific Dangers (Overall)



### Results – Dangers – Rural vs Urban



### Conclusions

- Burn awareness is a key element in preventing Burn injuries.
- Positioning awareness messages appropriately is important for raising awareness effectively.
- Burns poster pending implementation.
- Different posters for Urban vs Rural populations.