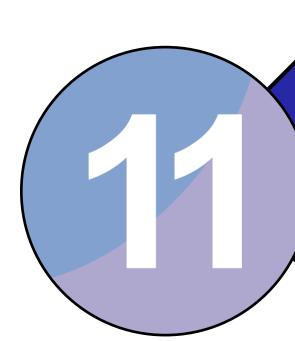


# Predictors of Financial Toxicity in Surgical Burn Injuries: A Multicenter Longitudinal Study

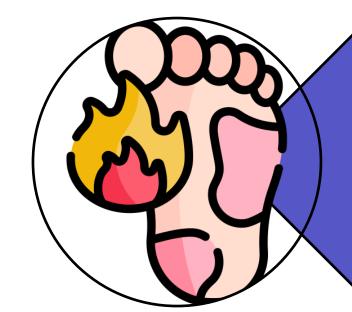


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### Introduction



Million burn injuries with 300k deaths are reported annually.



Burns needs prolonged hospital stay, rehabilitation and disability.



Serious nature of burn injuries increases risk for financial toxicity.

#### Methods

Study Type

Prospective multi-center, longitudinal study in 3 tertiary care hospitals in India.

Study Setting Representation of public, private and variable pricing healthcare centers.

Statistical Analysis Multivariate logistic regression model with Financial Toxicity as outcome.

#### Results

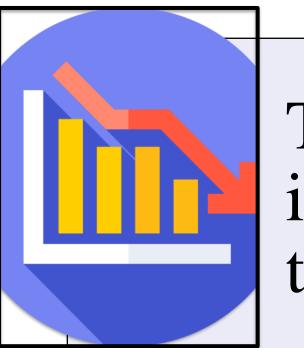
## Table 1: FINANCIAL HARDSHIP HAS A DOSE DEPENDENT RELATIONSHIP WITH CLINICAL PREDICTORS

<u>Variables</u>	Financial Toxicity  Univariate  OR (95% Cls); p-values	Financial Toxicity  Multivariate  OR (95% Cls); p-values
Length of Stay		
	Ref	Ref
1-5	1.03(0.25-4.14);0.972	0.94(0.17-5.33);0.945
6-10	5.78(1.5-22.23);0.011	8.55(1.47-49.57);0.017
11-20	8(2.51-25.52);<0.001	16.76(2.85-98.71);0.002
>20		
Total Household Income (I\$)		
Lowest Income Tertile	Ref	Ref
Median Income Tertile	0.22(0.09-0.55);0.001	0.21(0.06-0.76);0.017
Highest Income Tertile	0.07(0.01-0.36);0.001	0.07(0.01-0.63);0.019
Insurance Status		
No	Ref	Ref
Yes	0.69(0.25-1.87);0.466	1.01(0.16-6.47);0.995
Gender		
Male	Ref	Ref
Female	0.41(0.17-0.99);0.047	0.2(0.04-0.99);0.048
Injury Severity Score		
1-24	Ref	Ref
25-49	1.21(0.49-2.99);0.672	1.75(0.46-6.7);0.414
50-75	14.86(1.79-123.36);0.012	19.56(1.17-325.93);0.038

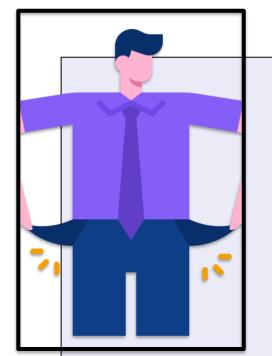
#### Figure 1: IDENTIFIED RISK FACTORS FOR FINANCIAL TOXICITY IN BURN PATIENTS



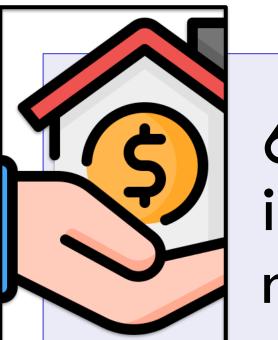
### Conclusions



The average individual income dropped to 5% of the pre-injury income.



82% patients reported unemployment after burn injury compared to 27% at baseline.



68% patients reported inability to afford basic needs after surgery



Income support and job training is necessary to improve peri-operative FT rates in burn patients.

