SUPPLEMENT

Determination of the Sample Size

In BHIS 2005, the injury mortality rate was 50/100,000 population per year. In BHIS 2016, considering injury mortality 50 per 100,000 at 95% confidence interval and 15% of precision the total sample size is 341,163. The total sample size would be double as the design effect is 2 due to two stage cluster sampling method of the survey. However, considering the time and logistic issues, two-year recall period was used in the survey, which again fix the sample size as 341,163. Again, considering the 2.5% non-response rate, the sample size has been calculated as 361,690. So, at least the rounded sample size of 350,000 population would be covered under this survey.

Following formula was used to calculate the sample size.

$$n = \frac{Z^2 \mathrm{pq}}{d^2}$$

Where, Z= 1.96, p = 0.0005, q (1-p) = 0.9995 and d (precision level) = 0.000075

Place of injury by age group

	Bedroom and Living room	**Kitchen**	**Bathroom, Veranda, Playground**	**Yard**	**Roads /Highway**	**Agricultural field**	**Industry/Factory/Workshop/ Market**	**Others**
Infant	3 (50)	3 (50)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
1-4 years	23 (11.6)	118 (59.6)	4 (2)	47 (23.7)	2 (1)	1 (0.5)	0 (0)	3 (1.5)
5-9 years	14 (13)	56 (51.9)	2 (1.9)	28 (25.9)	2 (1.9)	2 (1.9)	2 (1.9)	2 (1.9)
10-14 years	3 (4.1)	48 (64.9)	3 (4.1)	14 (18.9)	2 (2.7)	2 (2.7)	1 (1.4)	1 (1.4)
15-17 years	3 (5.9)	41 (80.4)	0 (0)	2 (3.9)	2 (3.9)	0 (0)	1 (2)	2 (3.9)

Time of Injury

Time of injury	Number of injuries (n)	%
3 am-6am	9	2.1
7am-10am	152	34.8
11am-2pm	135	30.9
3pm-6pm	86	19.7
7pm-10pm	54	12.4
11pm-2am	1	0.2

Source of Injury

Hot Liquid		
Source	**n**	**%**
Cooking water	38	19.6
Cooking water	4	2.1
Cooking oil	45	23.2
Tea/coffee	9	4.6
Soup/other liquid food	70	36.1
Rice water	24	12.4
Others (not coded)	2	1.0
Don't know	2	1.0
Total	194	100.0

Flame		
Source	**n**	**%**
Cooking fire(wood, Leaf, cow dung)	105	74.5
Gas fire	6	4.3
Heating fire	8	5.7
Work-place source	2	1.4
Residential or house fire	3	2.1
Kerosene lamp	9	6.4
Candle Fire	2	1.4
Others (not coded)	6	4.3
Total	141	100.0

Hot Object		
Source	**n**	**%**
Cooking utensils	30	33.3
Coal	24	26.7
Iron	5	5.6
Muffler/engine part	9	10.0
Workplace source	6	6.7
Others (not coded)	12	13.3
Don't know	4	4.4
Total	90	100.0

Chemical		
Source	**n**	**%**
Lime	3	75.0
Other	1	25.0
Total	4	100.0

Source of Injury by Sex

Sex		Source of Flame								Total
		Cooking fire(wood, Leaf, cow dung)	Gas fire	Heating fire	Work-place source	Residential or house fire	Kerosene lamp	Candle Fire	Others (not coded)	
Male	n	46	2	3	2	1	2	1	2	59
	%	32.6%	1.4%	2.1%	1.4%	.7%	1.4%	.7%	1.4%	41.8%
Female	n	59	4	5	0	2	7	1	4	82
	%	41.8%	2.8%	3.5%	0.0%	1.4%	5.0%	.7%	2.8%	58.2%

Sex		Source of Hot Liquid								Total
		Cooking water	Cooking water	Cooking oil	Tea/coffee	Soup/other liquid food	Rice water	Others (not coded)	Don't know	
Male	n	17	1	16	5	31	5	1	1	77

	%	8.8%	.5%	8.2%	2.6%	16.0%	2.6%	.5%	.5%	39.7%
Female	n	21	3	29	4	39	19	1	1	117
	%	10.8%	1.5%	14.9%	2.1%	20.1%	9.8%	.5%	.5%	60.3%

Sex		**Source of Hot object**							Total
		Cooking utensils	Coal	Iron	Muffler/engine part	Workplace source	Others (not coded)	Don't know	
Male	n	12	14	2	6	3	8	2	47
	%	13.3%	15.6%	2.2%	6.7%	3.3%	8.9%	2.2%	52.2%
Female	n	18	10	3	3	3	4	2	43
	%	20.0%	11.1%	3.3%	3.3%	3.3%	4.4%	2.2%	47.8%