

The Burden of the Accidental Poisoning With Drugs, Gases and Smoke in Iran

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Objective : Accidental Poisoning constitute a major health problem in the general adult population due to their high prevalence and their association with significant morbidity, therefore making a considerable social and economic impact. The objective of this report is estimation of the burden of accidental poisoning in terms of years of life lost due to premature mortality (YLL) and the years lost due to disability (YLD) and the disability adjusted life year (DALY) in the population. **Methods :** This is a part of national study about Burden of disease and injuries that was conducted on the total population of Iran on 2003 and published by Ministry of Health, Treatment and Medical Education on 2007. The total population of country was about 70 million people. This study reports the burden of accidental poisoning with drugs, gases, and smoke in Iran according to 2003 data (1). **Results :** The burden of accidental poisoning in terms of YLL, YLD, DALYs per 100,000 populations present in below table:

Age Group (year)	Male			Female			Both		
	YLL	YLD	DALYs	YLL	YLD	DALYs	YLL	YLD	DALYs
0-4	111.8	1.4	113.1	72.3	1	73.3	92.5	1.2	93.7
5-14	22.8	0.2	23	21.6	0.2	21.8	22.4	0.2	22.4
15-29	174.4	0.4	174.8	66.6	0.4	66.9	120.9	0.4	121.3
30-44	147.9	0.2	138.1	38.2	0.2	38.4	93.1	0.2	93.3
45-59	100.4	0.1	100.5	9.6	0.2	9.8	54.8	0.2	55
60-69	46.5	0.3	46.8	17.4	0.4	17.8	32.4	0.3	32.7
70-79	34.6	0.5	35.1	29.4	0.7	30.1	32.1	0.6	32.7
+80	28	2	30	33.2	4.6	37.9	30.6	3.3	34
All Ages	147.9	0.2	148.1	38.2	0.2	38.4	93.1	0.2	93.3

As see above the male/female DALYs ratio is about four times. The maximum DALYs in age group of 15-29 then fewer than five and 30-44, while the least in 5-14. In total the burden of accidental poisoning is 4.02% out of all disease and conditions (male= 6% and female= 1.76%). **Conclusion :** These findings suggest that accidental poisoning constitute a major public health problem and should be considered in planning of undergraduate and postgraduate medical education, research and health-care services.

Reference : 1. The ministry of Health, Treatment and Medical Education. National Burden of Diseases and Injury in I.R. Iran.2007.