

AN ACCIDENT RATE OF KROMERIZ POPULATION

One of the basic criterion of Safe Community Project is implementing a programme, which follows occurrence and causes of injuries. To meet this criterion and to be able to follow a force of taking measurements at the same time, we have established a unified injury filing in our city since January 1st, 2001. In medical establishments where a primary treatment of injured people is being done (66 places in total), so called 'Injury Records' are being filled in. All treated injuries are being filed in each medical establishment. As the medical establishments in the city are included in larger areas, the injuries of just our city inhabitants are being followed further. They are assessed according their occurrence, circumstances leading to the injury, its kind, its gravity and necessity of hospitalization.

In all medical establishments of Kromeriz city there were totally 9515 injuries treated in 2001. 3166 injured people of them had their permanent addresses in Kromeriz. Of above mentioned thus follows that **10,65 % of Kromeriz inhabitants have had to find out a medical treatment because of an injury in this year**. Similar numbers were recorded also in the year 2002. 3130 of a total number of 9675 people treated for injuries had their permanent addresses in Kromeriz, i.e. **10,64 % of Kromeriz inhabitants had an injury which was treated in a medical establishment**.

Differences were recorded as between both sexes – men have an injury almost twice as often as women - as among various age groups.

Age	2001			2002		
	People in total	Injuries in total	% of injuries	People in total	Injuries in total	% of injuries
Children 01	215	61	28, 37	224	53	23, 66
Children 02	203	32	15, 76	222	33	14, 86
Children 03	219	25	11, 41	201	26	12, 94
Children 04	216	27	12, 50	220	33	15, 00
Children 05	210	27	12, 86	216	17	7, 87
Children 06	254	21	8, 27	210	27	12, 86
Children 07	287	30	10, 45	251	34	13, 55
Children 08	302	42	13, 91	284	34	11, 97
Children 09	308	66	21, 43	299	52	17, 39
Children 10	360	71	19, 72	305	49	16, 07
Children 11	370	64	17, 30	355	73	20, 56
Children 12	357	76	21, 29	367	75	20, 44
Children 13	379	61	16, 09	355	75	21, 13
Children 14	365	74	20, 27	373	77	20, 64
Children 15	401	77	19, 20	361	95	26, 32
Children 16	408	77	18, 87	396	66	16, 67
Children 17	413	65	15, 74	402	82	20, 40
Children 18	422	72	17, 06	409	78	19, 07
Children 19	403	57	14, 14	417	65	15, 59
Children 01-19	6 092	1 025	16, 83	5 867	1 044	17, 79
Adults 20-35	7 307	798	10, 92	7 254	834	11, 50
Adults 36-50	6 478	584	9, 02	6 278	533	8, 49
Adults 51-65	5 614	405	7, 21	5 755	371	6, 45
Adults 66-	4 243	354	8, 34	4 266	348	8, 16
TOTAL	29 734	3 166	10, 65	29 420	3 130	10, 64

According to our presumptions the highest number of injuries were recorded by children and youth; more than every sixth child had to be treated for an injury in a medical establishment. Considerable differences were also recorded among various age groups of children. Startling fact there is that the most suffering are sucklings – children up to one year of age.

Other peak of accident rate was by the children of 9-18 years of age. Almost 20 % of children have an injury in this age group. Then the number of injuries falls with increasing age. Repeated increase is recorded by seniors – people above 66 years of age. I must remark here that a real accident rate by seniors is certainly far higher than the chart shows. Recent inquiry of accident rate by seniors showed that more than a half of them have an injury during a year. However, a considerable part of them is not treated in a medical establishment, though they are seriously injured, for example have a fracture of ribs.

Body surface injuries are the most frequent types of injury. Here big scratches, cuts or stabs etc. belong; these types of injuries were recorded by 54,8 % of injured in 2001, respectively 63,16 % in 2002. On the second place there were fractures (26,6 % in 2001, 20,22 % in 2002), then fractures of cranial bones, injuries of head and concussions of brain (8,4%, 6,84%) and injuries of sensuous organs – sight, hearing and smell (5,83% , 3,87%). The other types of injuries were recorded in fewer than 6% of cases in the years 2001 and 2002.

The highest number of injuries happens at home (41%, 38%), on the street and on the road (23%, 26%) and then in the playground (10%, 12%). Only then working places, schools and other places follow.

From the point of view of its process the highest number of injuries occurs during the work – at home or in the garden or at working place (30%, 24%), then during individual sport activities (12%, 14%) and during organized sports (10%, 10%). What is startling again – more than 5 % of injuries happens during a conflict with another person. Unfortunately, these injuries are being recorded not only by children, but also by adult men and women. Here I must comment on a negative impact of media especially on children, where violence is showed as a common part of relations between people.

13%, respectively 12% of injuries were assessed to be middle serious, 1% serious. 8,7%, resp. 9,39% of injured people had to be hospitalized for certain time depending on gravity of an injury. In 2001 **xy** injured people died from an injury, **yz** injured people did in 2002.

The warmest months of a year (April, May, June, July, August) are the most critical for an accident rate.