CLINICAL ASPECTS

AMPLITUDE AND CHARACTERISTICS OF DEATHS BY WORK ACCIDENTS IN SIBIU COUNTY DURING 2005-2014

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Abstract: The article presents a study on the identification and quantification of forensic issues secondary to work accidents in the deceased in Sibiu County during 2005-2014. The following parameters were followed: gender, age, area of origin of the deceased, the distribution of the annual deaths.

Introduction

Many specialized studies (4,5,6,7) show that a majority of people involved in work accidents are men. In this context, the present study observed a clear predominance of males - 90% of deaths.

Figure no. 2. Age group distribution of deaths by work accidents in Sibiu County during 2005-2014

More than two thirds of the forensic autopsies of the registered work accidents refer to persons aged 31 to 60 years old, with a peak in the middle of this period appropriate for the age group 41-50 years old.

Table no. 1. Distribution of fatal and non fatal work accidents by age groups

<table>
<thead>
<tr>
<th>Age</th>
<th>Number of accidents</th>
<th>Total accidents procentage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-20 years</td>
<td>33</td>
<td>3.60</td>
</tr>
<tr>
<td>21-30 years</td>
<td>222</td>
<td>24.15</td>
</tr>
<tr>
<td>31-40 years</td>
<td>229</td>
<td>24.97</td>
</tr>
<tr>
<td>41-50 years</td>
<td>255</td>
<td>27.86</td>
</tr>
<tr>
<td>51-60 years</td>
<td>171</td>
<td>18.65</td>
</tr>
<tr>
<td>over 61 years</td>
<td>7</td>
<td>0.76</td>
</tr>
<tr>
<td>Total</td>
<td>917</td>
<td>100.00</td>
</tr>
</tbody>
</table>

Method

The method used is an observational study based on a retrospective longitudinal survey with the full research of the study material during 2005-2014. The study material is represented by a total of 92 deaths from occupational accidents in the detected period.

The data underlying this research belong to the archives of Labour Inspectorate of Sibiu and Sibiu archives of the Forensic Service.

Results and Discussions

Figure no. 1. Gender distribution of deaths by work accidents recorded and necropsied in Sibiu County during 2005-2014

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Figure no. 3. Distribution of fatal accidents by age groups

Surprisingly, the age at which most fatal and non fatal work accidents were recorded is the age group of 41-50 years old, which included persons with experience and seniority, and not the age groups of 18-20 years old and 21-30 years old, inexperienced age groups with less seniority.

Figure no. 4. Distribution of fatal accidents by area of origin

59% of all victims of work accidents came from rural areas, contrary to the low industrialization if compared to the urban one.

Figure no. 5 shows a decrease in the number of deaths by work accidents in 2012-2014 and 2005-2006. In the period 2007-2011, the number of deaths from work accidents has been steadily increased by small fluctuations.

CONCLUSIONS

1. Majority of people dead in work accidents were male (90%).
2. Deaths from work accidents occur mainly in the age group of 41-50 years old.
3. Frequency of deaths of work accidents is higher in the rural areas.
4. There has been observed a decrease in the last two years of the number of accidents at a level similar to that of the first two years from the beginning of the study.

REFERENCES