

**„ANALYSIS OF MEDICAL INTERVENTIONS OF MUNICIPAL HEADQUARTERS OF THE STATE FIRE SERVICE IN LUBLIN IN THE YEARS 2016-2018”**

**Summary**

**Introduction.** One of the many activities carried out by firefighters are medical activities of Qualified First Aid (QFA). Every firefighter undergoes training on providing QFA with the use of available medical equipment and applying adequate procedures in various life-threatening situations and they provide effective medical aid until arrival of the National Emergency Medical Services (NEMS).

**Aim.** The aim of this study is to analyse medical activities undertaken by units of the Municipal Headquarters of the State Fire Service (SFS) in Lublin in 2016-2018.

**Material and methods.** The study was in the form of an analysis of the official documentation of the Municipal Headquarters (MH) of the State Fire Service in Lublin (KM PSP Lublin) in 2016-2018. The study was based on information from intervention documentation of SFS teams, that is incident information and QFA cards attached to reports from the SFS intervention. The selection of incidents for the study from all the incidents that occurred in the analysed period of time was based on the type of activities indicated by the leader of the intervention team on the cover page: SFS incident information – medical activities.

**Results.** In three years, firefighters carried out 2583 QFA procedures. Communication events  $n = 207$  were statistically the most common cause of calls (66.9%). In the analysed group there was found to exist a statistically positive correlation ( $r = 0.263$ ;  $P < 0.001$ ) between the duration of QFA in minutes and the age of the casualties. Median age of victims 35 (IQR 25-51)  $p = 0.290$ , median travel time 7 (IQR 4-10)  $p = 0.040$ , while the median time of conducting KPP over three years 4 (IQR 2-8)  $p < 0.001$ . QFA procedures were most often provided within the city, 68% ( $N = 160$ ) in the hours between 7 and 19 – 70% ( $N = 166$ ).

**Conclusions.** The data indicates that: (1) currently most of the casualties in analysed response area of the headquarters are casualties of transport incidents (mostly road events); (2) the location of Fire and Rescue Units (FRU) in Lublin County, both in the township and in the country, was favourable; frequently units of the National Firefighting and Rescue System (NFRS) are the first to arrive at the scene of an incident, commencing rescue activities as quickly as possible; (3) the content of part of the QFA procedures should be updated with the same frequency as the ALS, BLS guidelines.