

ABSTRACT

Hepatitis means inflammation of liver. There is an estimate that about 170 million people is globally affected from this deadly virus called Hepatitis C virus , whereas about 2 billion people globally affected from Hepatitis B virus. So there is a great need to deal with these viruses and took steps for the prevention of these diseases. Three kinds of data are collected in this research, for the sake of getting information regarding Hepatitis B and C virus in Lahore metropolitan city and District. These data sets include epidemiological, demographical and spatio-temporal data. Data reveals that the most common risk factors behind the spread of these diseases are blood transfusion, any kind of liquid transfusion from infected to healthy person, tattooing, medical and beauty treatments and many more. Collected data also reveal that Hepatitis C is more common in females as compared to males, whereas Hepatitis B is more common in males as compared to females. And the most infected age groups are from 15-64 in Hepatitis B and in Hepatitis C most infected age groups are from 35-65. This study also reveals that there is great increase in the spread of these diseases from 2011 to 2014. Diseases spread rapidly in all union councils and towns, and now they are spreading like endemic diseases. So there is a great need to have precautions to stop this rapid spread by giving medical treatments to the infected and give prior vaccines to the healthy persons.

Key Words: Hepatitis B & C , Risk Factors, Demography, Spatio-Temporal spread