

The Prevalence of Transfusion Transmitted Infections among Blood Donors in Pakistan

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Background: This study aimed to determine the prevalence of blood transfusion transmitted infections (TTIs), among blood donors in Punjab Pakistan, specifically HIV, hepatitis B virus (HBV), hepatitis C virus (HCV), syphilis, and malaria.

Objective: To examine the new cases of Transfusion Transmitted infection of those person who don't know that they suffering from the infection and want to see the cause and aware the people about the risks.

Method: The study will be conduct in the 7 Major district of Pakistan which include Lahore, Islamabad, Rawalpindi, Multan, Bahawalpur, Faislabad , Rahim Yar khan. The data for this study pertained to the years 2020 to 2023. We assessed the records of all the blood donors who get the screening positive results of Anti HbsAg, Anti HCV, Anti Hiv. Syphilis , and Malaria registered at blood transfusion center in tertiary care hospital in all district mentioned above.

Results: The overall age range of the donors age was 18–60 years. Nearly all were male (99.0%). HCV, syphilis, and malaria were more prevalent among those aged 26–35 years. Most donors (81.1%) were residents of Islamabad city. The infection with the highest prevalence among the screened blood donors was HCV (1.5%; 95% CI: 0.423– 0.661) followed by syphilis (0.8%; 95% CI: 1.149–1.432). HCV and syphilis were most frequently observed in blood group B positive (B+) donors while HIV was more common in those who were O+. The frequency of co-infection of syphilis with HCV and HIV was 0.02% and 0.01%, respectively

BIOGRAPHY

Hafiz Usman Ghani is a dedicated Medical Laboratory Scientist with a wealth of experience spanning over a decade. Throughout his career, he has demonstrated a strong commitment to advancing public health initiatives through his work. With expertise in laboratory diagnostics and a keen understanding of healthcare systems, Hafiz has been instrumental in enhancing the quality of patient care and disease management. Having worked in various healthcare settings, Hafiz has honed his skills in clinical laboratory procedures, quality assurance, and data analysis. His passion for public health drives him to explore innovative solutions to complex health challenges, contributing significantly to disease prevention and control efforts. Hafiz holds a deep-seated belief in the power of collaboration and interdisciplinary approaches to tackle global health issues. His unwavering dedication to improving health outcomes has earned him recognition as a trusted leader in the field. As a speaker, Hafiz Usman Ghani brings a wealth of knowledge and practical insights, inspiring audiences with his expertise and passion for public health advancement.

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