

## **Human Population II. Distribution of ABO Blood Groups in Varanasi and Sultanpur, Uttar Pradesh**

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**ABSTRACT** Data are presented on phenotypes and allele frequencies of the ABO blood groups in 2 random samples each derived from Varanasi and Sultanpur. The application of Hardy-Weinberg Law to the observed data demonstrated perfect genetic equilibrium in all the 4 sampled studied. However, the  $\chi^2$  test demonstrated significant heterogeneity between the random samples of each area.