

**GOVERNMENT OF INDIA  
HEALTH AND FAMILY WELFARE  
LOK SABHA**

UNSTARRED QUESTION NO:1792  
ANSWERED ON:23.03.2012  
STUDY ON HIGH RISK GENE FOR DIABETES  
Shetkar Shri Suresh Kumar

**Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:**

- (a) whether the Indian Council of Medical Research (ICMR) and All India Institute of Medical Sciences (AIIMS) have conducted any study which has found low prevalence of diabetes in certain communities despite having high risk gene;
- (b) if so, the details thereof;
- (c) the other findings of the said study; and
- (d) the extent to which such study is likely to help in curbing the prevalence of diabetes in the country?

**Answer**

MINISTER OF THE STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI SUDIP BANDYOPADHYAY)

- (a) The Indian Council of Medical Research (ICMR) has conducted Task Force Project with All India Institute of Medical Science in Raika community of Rajasthan.
- (b) A comparative distribution of known Type I Diabetes susceptibility and protective Human Leukocyte antigen alleles was done. The unpublished findings indicate that the frequency of susceptibility alleles was four times higher in Raika population as compared to North Indian population. As per earlier reports, the prevalence of Diabetes in Raika community was very low. The study reported that though there is an increase in frequency of occurrence of diabetes predisposed human leukocyte antigen alleles; the prevalence of Diabetes is very less in this community.
- (c) & (d) Analysis of Human Leukocyte antigen alleles in Raika, non Raika and North Indian population is the main objective of this study. The findings are specific particularly for Raika community and cannot be extrapolated to the entire country.