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## Transition Probability Matrix of Mothers and Newborn Heamoglobin Count in Kanyakumari District

K. Senthamaraikannan<sup>#</sup>, D. Nagarajan<sup>\*</sup> and V. Nagarajan<sup>\$</sup>

# Department of Statistics, Manomaniam Sundaranar University, Thirunelveli
E-mail: senkannan2002@yahoo.com

\* Department of Mathematics, St. Joseph College of Engineering, Chennai
E-mail: dnrmsu2002@yahoo.com

\$ Department of Computer Science, S.T. Hindu College, Nagercoil
E-mail: sthc\_rajan@yahoo.com

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**ABSTRACT** During the last three decades the researches much attention about the mothers and newborn health. Haemoglobin count is one of the main factors in mothers and baby health. The main objective of this paper, to analysis the haemoglobin count for mothers and newborn, uses moments of geometric distribution and equilibrium state. The magnitude of the fall in haemoglobin concentration in pregnancy is related to mothers and babies health, failure of haemoglobin concentration may be indicates risk of mothers and babies health.