

## ESTIMATION OF TFR OF MIGRANT COUPLES: A BIRTH INTERVAL APPROACH

J. PANDEY<sup>1</sup>, SHRUTI<sup>2</sup> & K. N. S. YADAVA<sup>3</sup>

<sup>2</sup>Assistant Professor, in Statistics, UPRTOU, Allahabad, Uttar Pradesh, India

<sup>1</sup>Department of Statistics, Banaras Hindu University, Varanasi, Uttar Pradesh, India

<sup>3</sup>Presently VC, RDVV, Jabalpur, Madhya Pradesh, India

### ABSTRACT

Several studies have been conducted that have estimated/reported total fertility rate based on the number of births and hence through age specific fertility rate (ASFR). Such studies are mostly based on the data of ASFR for non migrant couples or for the mixture of both migrant and non-migrant. A very simple procedure for the estimation of Total Fertility Rate (TFR) of migrated couples, based on closed birth interval has been suggested in the present article. This study explores the impact of temporary separation due to the migration of males leaving their wives at home, on fertility through a theoretical procedure proposed under reasonable assumptions. The present procedure has been applied to an observed set of data relating to migrants from a rural area.

**KEYWORDS:** Birth Intervals, Migrant Couples, Total Fertility Rate, Probability Distribution, Fecundability