

A study on the socio-demographic and the clinical profiles, along with some management indicators of the MDR TB patients at the Domjur block, Howrah district, West Bengal, India

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Abstract

Multidrug-resistant tuberculosis (MDR TB) is a major challenge to any TB control programme. This cross-sectional study recorded data about six important criteria related to the sociodemographic profile of 23 MDR TB patients at the Domjur block, India, in 2018, to find out the influences of these criteria on the occurrence of MDR TB in that block, during that time; the six criteria are: age, sex, religion, educational status, occupational status, and family income. Also this work studied the clinical profile of those MDR TB patients, and some key indicators corresponding to the management of those patients by the health centre at the Domjur Block. The indicators are expected to help in understanding how the RNTCP (Revised National Tuberculosis Control Programme) of the Government of India, was going on in that block, in 2018. The Domjur block was selected by the random sampling method. Relevant data were collected by interviewing the patients, using a predesigned, pretested, structured questionnaire. The binomial test, done at 5% level of significance, in case of the socio-demographic criteria, shows that, only age, educational status, and family income significantly influenced the occurrence of MDR TB at Domjur, the influence of educational status being the most significant. Thus, higher education and increase in income can help in combatting MDR TB. On the other hand, the indicators pertaining to the management of the MDR TB patients show that the RNTCP was going on reasonably well; however, a lot was yet to be achieved.

Biography

Sampa Mitra (born: 1954) has completed her MD in Preventive and Social Medicine (PSM), in 1991, from University of Calcutta, India. She has worked as a doctor in health centres and hospitals under Govt. of West Bengal, from 1981 to 1986, and subsequently, as a teacher of PSM in medical colleges under Govt. of West Bengal, from 1986 to 1998. She has been attached to AIHH & PH, under Govt. of India, as a teacher of Public Health, since 1998, and is currently acting as Director, Professor in the Department of Epidemiology. She has some publications in national and international journals, authored two books, and attended a number of conferences (both national and international).



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