

Accepted Manuscript

Title: Active case finding of Rifampicin Sensitive and Resistant TB among household contacts of drug resistant TB patients in Andhra Pradesh and Telangana states of India – a systematic screening intervention

Author: Chakrapani Chatla Jyoti Jaju Shanta Achanta Rani
Samyuktha Suryaprakash Chakramahanty Chetan Purad Raju
Chepuri Sreenivas Achyutan Nair Malik Parmar

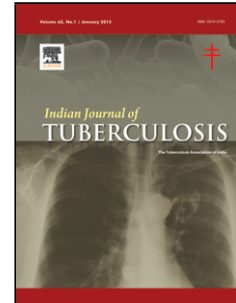
PII: S0019-5707(17)30158-0
DOI: <https://doi.org/doi:10.1016/j.ijtb.2018.02.004>
Reference: IJTB 255

To appear in:

Received date: 9-5-2017
Revised date: 12-9-2017
Accepted date: 5-2-2018

Please cite this article as: Chakrapani ChatlaJyoti JajuShanta AchantaRani SamyukthaSuryaprakash ChakramahantyChetan PuradRaju ChepuriSreenivas Achyutan NairMalik Parmar Active case finding of Rifampicin Sensitive and Resistant TB among household contacts of drug resistant TB patients in Andhra Pradesh and Telangana states of India – a systematic screening intervention (2018), <https://doi.org/10.1016/j.ijtb.2018.02.004>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights of the study:

Study Title: Active case finding of Rifampicin Sensitive and Resistant TB among household contacts of drug resistant TB patients in Andhra Pradesh and Telangana states of India – a systematic screening intervention

The following are the key highlights and take home summary points from the study.

- A total of 1602 MDR-TB patients registered between July 2011 and Sep 2013 were included in the study.
- A total of 4858 household contacts of these 1602 patients were identified with an average of 3 contacts per MDR-TB patient. Of these, after excluding 87 (1.8%) contacts with past history of diagnosis and/or treatment for TB, 4771 (98.2%) contacts were screened for current signs and symptoms suggestive of TB. Their mean age was 28.5 years and 2151 (45%) were females.
- Of the 4771 contacts screened, 793 (16.6%) had at least one of the symptoms suggestive of TB of whom 781 (98.5%) had two sputum samples transported and processed on Xpert MTB-Rif.
- A total of 34 (4.4%) contacts among 781 tested were bacteriologically confirmed with TB, of whom 15 (44%) also had Rif Resistance (RR).
- High extent of TB, particularly RR-TB was observed among household contacts of known MDR-TB patients with symptom screening and sample transport for testing with Xpert-MTB-Rif.
- Regular systematic active screening for TB and MDR-TB among this highly vulnerable group using Xpert-MTB-Rif is necessary in India for early diagnosis and prompt treatment along with counselling of patients and family on treatment adherence and infection control measures to reduce the pool of infection in the community.

Download English Version:

<https://daneshyari.com/en/article/8745780>

Download Persian Version:

<https://daneshyari.com/article/8745780>

[Daneshyari.com](https://daneshyari.com)