

Introduction

- Globally, less than 10% of 296 million with chronic hepatitis B virus (HBV) infection had been diagnosed and only 2% treated. Increasing testing and access to HBV care and treatment requires multiple innovative approaches
- **Q** Recent studies document vertical transmission as a common mode of transmission for Hepatitis B infection, highlighting the importance of educating, counselling and screening of the first degree relatives of chronic Hepatitis B (CHB) infected patients along with their spouse Aim
- □ To educate, counsel and screen first degree relatives and spouse of CHB patients for HBV viral markers
- determine the positivity rate of HBsAg, Anti-HBc (Total) and Anti-HBs among the first degree relatives and spouse of CHB patients

Method

- A multi-level approach was utilized to implement Hepatitis B Family Screening, Counselling and Education Program to persuade first degree relatives (parents, siblings, and children) and spouse of Hepatitis B virus (HBV) infected patients for screening against viral markers for HBV
- The enrolled and counselled relatives got themselves tested, either at our institute's virology laboratory or from any recognized laboratory of the country as per their convenience
- A 3 tier counselling and education approach by Gastroenterologist, Preventive Specialist. and Resident was adopted to convince first degree relatives and spouse for screening for 3 HBV markers: - HBsAg, Anti-HBc (total), & Anti-HBs
- Necessary actions were taken as per the lab results i.e. vaccination, further investigations for treatment eligibility or treatment
- The information and education material was also distributed to the relatives, consisting of literature on natural history of hepatitis B infection, available screening and diagnostic tests, treatment and free availability of all services through national program in India.

Conclusions

- Familial clustering of HBV infection was seen. Opportunistic screening and multilevel counselling of family members was an effective strategy for active case finding
- Younger index cases, with two out of every four mothers being infected strongly suggest vertical transmission as the most common mode of infection
- □ The data suggests family screening as an additional testing strategy to eliminate hepatitis B by test and treat approach

Acknowledgements

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References

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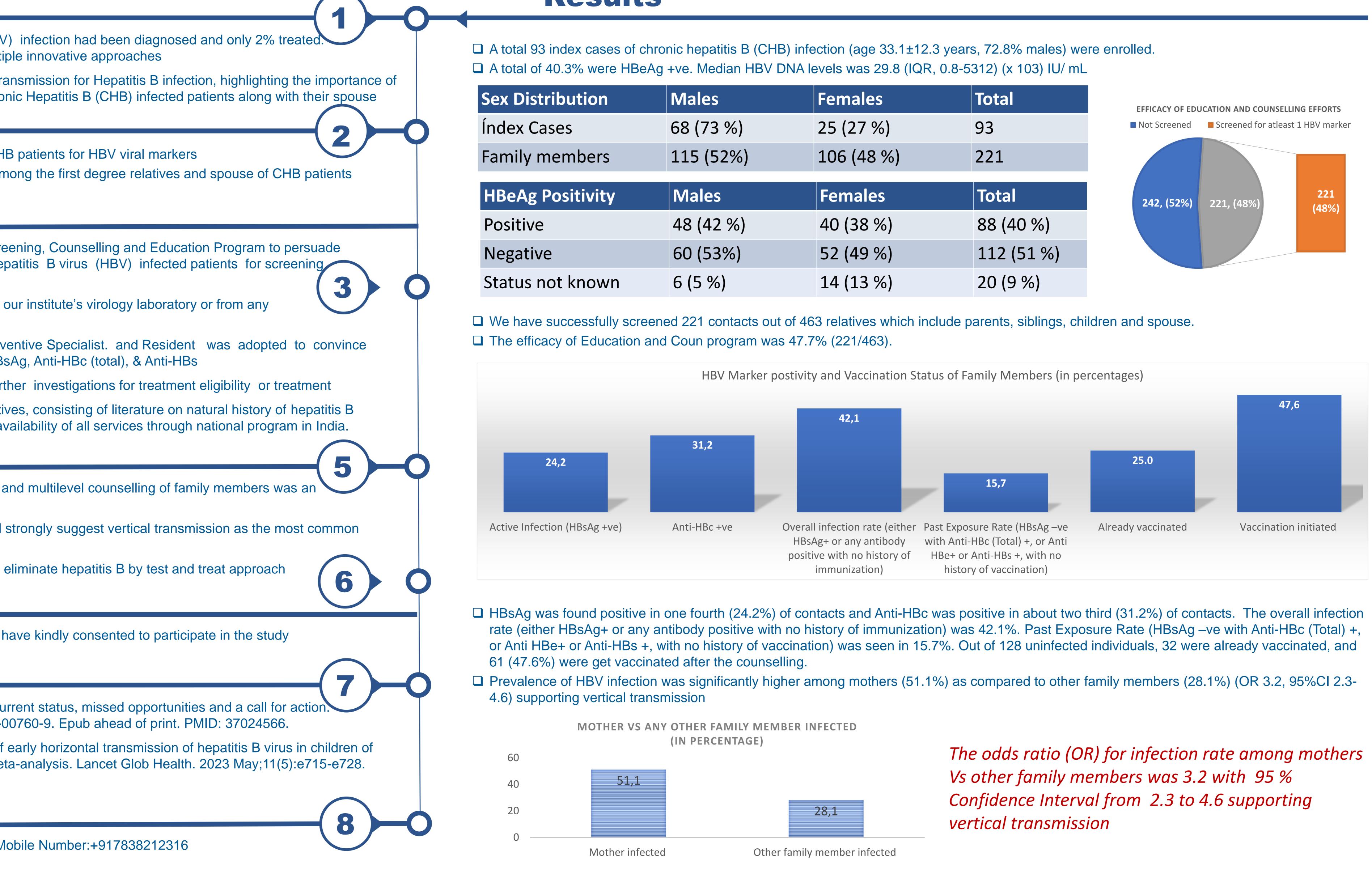
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Impact of hepatitis B family screening, counselling and education program on active case detection: a step towards elimination through **Preventive Hepatology clinic in India**

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Results

ex Distribution	Males	Females	Tot
ndex Cases	68 (73 %)	25 (27 %)	93
amily members	115 (52%)	106 (48 %)	22
BeAg Positivity	Males	Females	To
ositive	48 (42 %)	40 (38 %)	88
legative	60 (53%)	52 (49 %)	11
tatus not known	6 (5 %)	14 (13 %)	20





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