

Model to upgrade Rural Healthcare Infrastructure in India

Mamta Sahare

Indian Institute of Management Indore, Rau Pithampur, Indore and 453556, India
{f17mamta}@iimidr.ac.in

Abstract. The need to upgrade current rural healthcare infrastructure is of increasing importance in India, as the recent pandemic hit the rural the worst. Rural people have no choice but to visit costly private clinics or rely on home treatments. The existing centres face various challenges such as poor location, lack of facilities, etc. Some states like Karnataka, U.P., Rajasthan are stepping in to upgrade the existing infrastructure. The primary concern is when and where to open a new health care centre, what type of centre to open (either SHCs, PHCs, HWCs), which centre to upgrade when to upgrade, and at what level to upgrade (SCH to PHC or SCH to HWC). The proposed model will be helpful to build the overall plan for healthcare infrastructure keeping in view such as availability of resources, maximum coverage of the rural area, minimum cost, etc.

Keywords: Primary healthcare system, Mixed integer programming;

References

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