



THE
END

UNDERSTANDING DATA TO IMPROVE HEALTH STATUS OF MUNICIPALITIES

2019
EVEREST
HACK

OVERVIEW

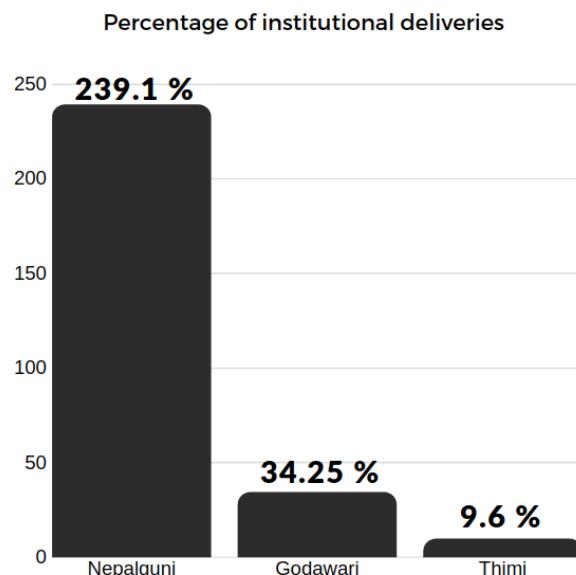
The SDG goal 3, 'Good Health and Well Being' targets to improve the vaccine coverage rate and reduce the maternal mortality rate. GIZ challenge focuses on achieving this within 2030.

The provided data for GIZ challenge was data collected from survey in three municipalities and data from the HMIS in year 2017. With this data, our analysis helps the local authorities know the major challenges faced by the health centers of their municipality. These challenges are the key factors to reduce the immunization rate and institutional deliveries. Thus, they can take appropriate measures to mitigate those problems.

Visualization of survey data was done on Jupyter notebook. The survey data gave insights on sections that demanded attention in a particular area like Repair Requirements, No. of Beds and Rooms, Basic Amenities, Toilets for Patients, Stretchers. Further, an integrated analysis of HMIS and Survey data was done using Python pandas. The detailed analysis obtained was:

#1 INSTITUTIONAL DELIVERIES

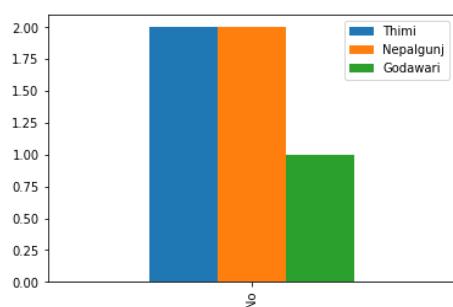
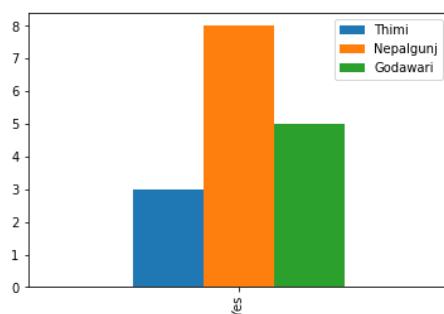
This HIMS shows Nepalgunj has the highest institutional deliveries followed by Godawari and the least percentage of deliveries in Thimi.



FINDINGS

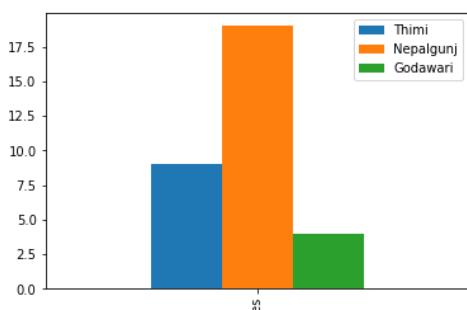
REASON 1

Thimi has the least number of separate toilets in the labor room



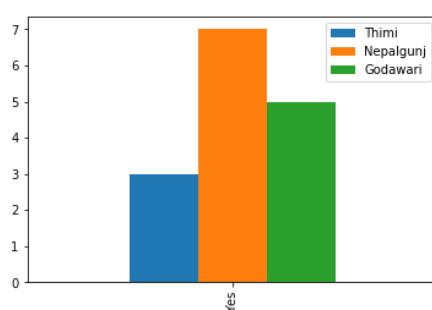
REASON 3

Nepalgunj shows more number of 24 hours delivery service and Thimi shows least number of 24 hours delivery service



REASON 2

Godawari has the least number of Ama Surakshya Karyakram



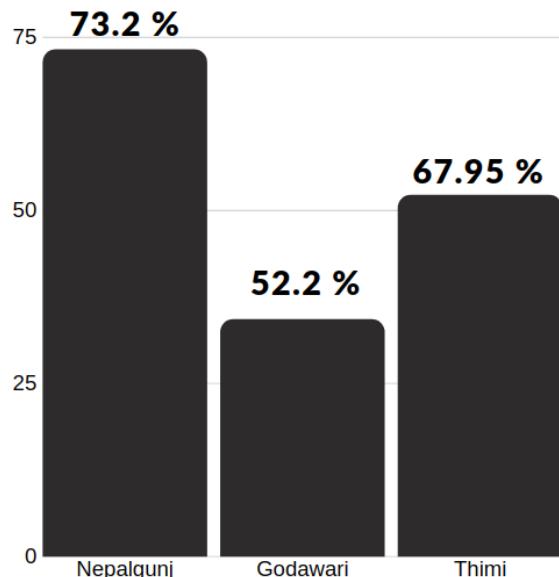
REASON 4

The health facility of Godawari has the lowest accommodation facility for staff when needed.

PERCENTAGE OF CHILDREN AGED 12-23 MONTHS IMMUNIZED WITH MEASLES/RUBELLA 2

Percentage of children aged 12-23 months immunized with measles/rubella 2

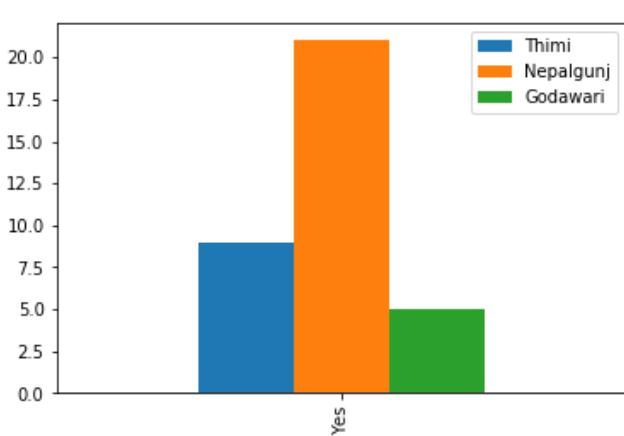
This HIMS shows lowest percentage of children aged 12-23 months immunized with measles / rubella 2



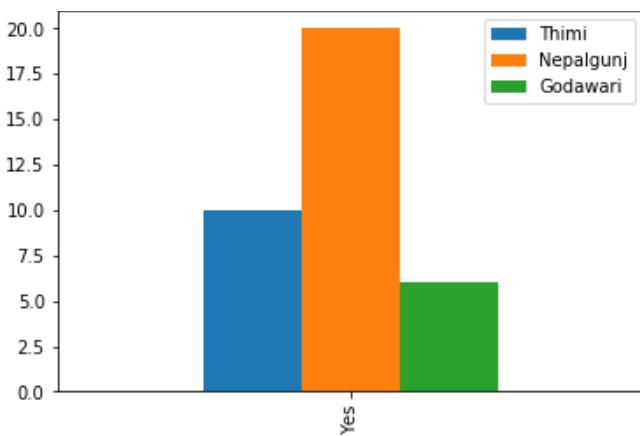
FINDINGS

REASON

Godawari municipality was found to have least services for immunization and deworming.



Is Immunizations service available

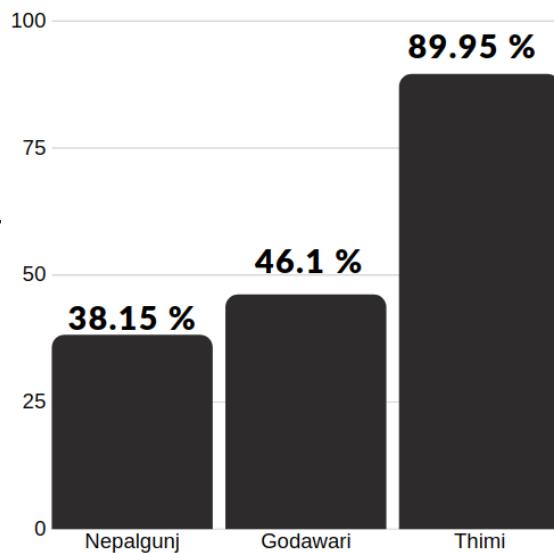


Is de-worming service available

PERCENTAGE OF CHILDREN AGED 0-23 MONTHS REGISTERED FOR GROWTH MONITORING

Percentage of children aged 0-23 months registered for growth monitoring

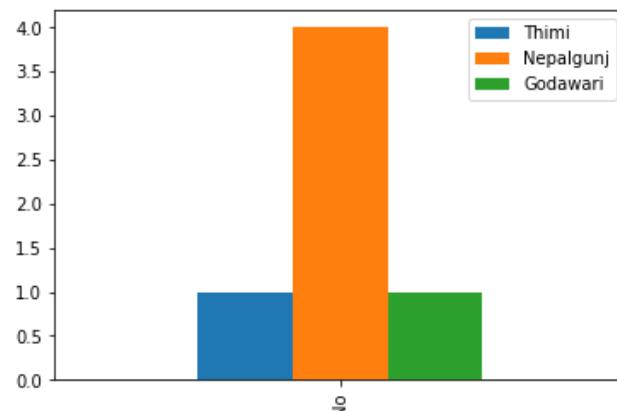
This HIMS shows lowest percentage registered for growth monitoring in Nepalgunj municipality



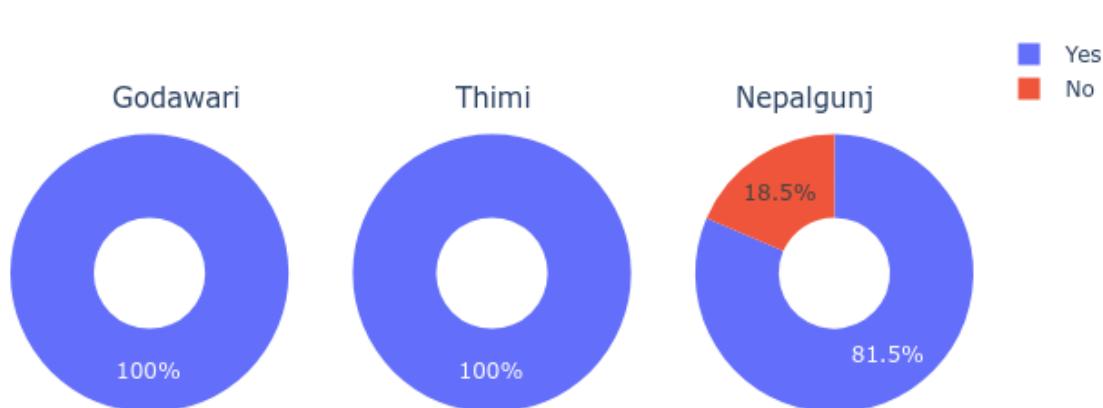
FINDINGS

REASON

Nepalgunj municipality was found to have least services for post natal and growth monitoring

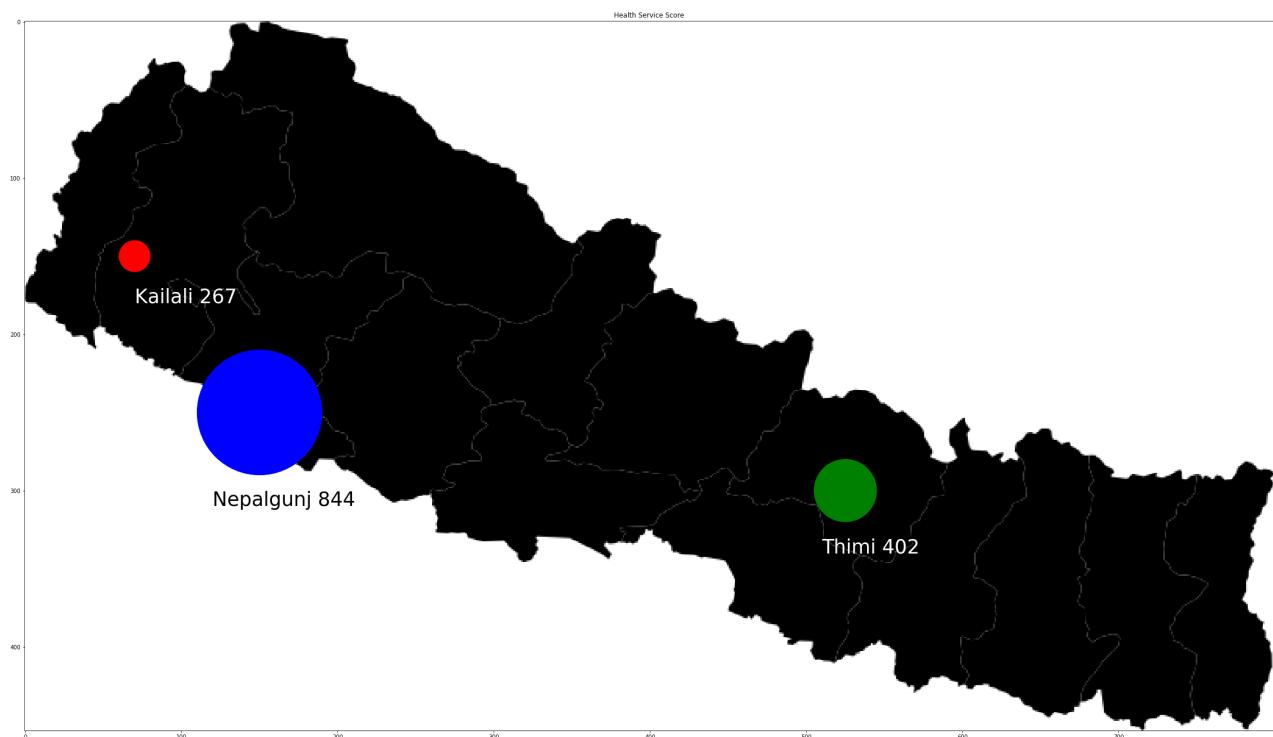


Availability of Growth Monitoring Service



THE FIGURES

Showing you the Health Service Scores among the three municipalities



Thank you