

Annexure – IV

Best Practices (*Give to Best Practices*)

Name of the Constituent Unit: Bharati Vidyapeeth (DTU) Medical College, Pune

A)

1) Title of the practice

Antimicrobial Stewardship Programme

2) Objective of the Practice

Antimicrobial Stewardship Interventions in ICUs & Medical wards leading to

- Enhancing patient health outcomes
- Reducing resistance to **antibiotics**
- Decreasing unnecessary costs

3) The Context: Increasing levels of resistance to antimicrobials is being observed amongst Microorganisms across the world. The program aims to guide appropriate antimicrobial therapy at the hospital, thereby reducing the level of resistance to antibiotics among infection causing microorganisms isolated in the hospital patients.

4) The Practice

- Involves collation of data on (a) antimicrobial use (b) antimicrobial cost
- Periodic sensitization of the stakeholders with the hospital antibiotic policy
- Following up of antimicrobial prescriptions in the ICUs and wards
- Providing interventional feedback in the form of Stop/De-escalation/Escalation of antibiotic
- Guide appropriate antimicrobial therapy based on microbiology culture results

5) Evidence of Success

- The program has been initiated in Jun 2019 and evidence of success will be available after about three months

6) Problems encountered and resources required

- Non availability of baseline antimicrobial prescription/consumption data
- Real time data collation : by dedicated clinical pharmacists
- Interventional advice : Rendered by Microbiologist/Pharmacologist/Infectious disease physician