



POINT PREVALENCE SURVEY ON ANTIBIOTIC UTILIZATION AMONG PRIVATE AND PUBLIC HOSPITALS IN BOTSWANA

PUBLIC HOSPITAL: DATA COLLECTION EXPERIENCE

FATIMA SINKALA

MCLINPHARM

LETSHOLATHEBE II MEMORIAL HOSPITAL

METHODS

- NON EXPERIMENTAL, PROSPECTIVE-PPS
- RECEIVED ETHICAL CLEARANCE OF MOH
- STUDY POPULATION: ALL INPATIENTS ADMITTED AT THE HOSPITAL
 - ON ANTIBIOTIC THERAPY
 - HAVE CONSENTED
- EXCLUSION CRITERIA:
 - A&E
 - PATIENTS ADMITTED AFTER 7AM
 - DAY CASE PATIENTS
 - PATIENTS ON EXCLUSIVE TB TREATMENT
- DATA ANALYSIS
 - USING APPROPRIATE STATISTICAL SOFTWARE

DATA COLLECTION

- 2 DATA COLLECTORS
 - SINKALA
 - GAOLEBE
- DATA COLLECTION DATES
 - 8-11TH MAY 2017 (4 DAYS)
- WARDS COVERED
 - PAEDS SURGICAL WARD
 - PAEDS MEDICAL WARD
 - ADULT SURGICAL WARDS(M/F)
 - ADULT MEDICAL WARDS(M/F)
 - NEONATAL MEDICAL WARD
 - OBS AND GYNAE (POST NATAL AND ANTENATAL)

CONSENTED VS DID NOT CONSENT

| Ward | Total contacted | Consented | Did not consent |
|---------------------|-----------------|-----------|-----------------|
| Paeds medical ward | 10 | 10 | 0 |
| Paeds surgical ward | 10 | 7 | 3 |
| Adult medical ward | 25 | 21 | 4 |
| Adult surgical ward | 9 | 8 | 1 |
| Obs and gynae | 45 | 43 | 2 |
| Neonatal medical | 12 | 11 | 1 |

EXPECTED KEY FINDING

- ASSESS THE ADEQUACY OF ANTIMICROBIAL THERAPY AND ADMINISTRATION OF THE FIRST LINE ANTIBIOTIC ACCORDING TO THE LOCAL GUIDELINES
- PARENTERAL VS ORAL ANTIBIOTIC ADMINISTRATION
- MOST COMMONLY PRESCRIBED ANTIBIOTICS
- COMMUNITY VS HOSPITAL ACQUIRED INFECTIONS
- DEPARTMENTS WITH THE MOST ANTIBIOTIC USAGE
- TARGETS FOR ANTIBIOTIC PRESCRIBING IMPROVEMENT
 - AVAIL UPDATED ANTIBIOTIC TREATMENT GUIDELINES
 - FUNCTIONAL ANTIMICROBIAL STEWARDSHIP PROGRAMS AND DTCS
 - IMPROVED AVAILABILITY OF ANTIBIOTICS

CHALLENGES ENCOUNTERED

- 2 DATA COLLECTORS NOT ENOUGH FOR A DISTRICT HOSPITAL
- PATIENTS FILES NOT READILY ACCESSIBLE
 - CLINICAL WARD ROUNDS
 - NURSES' SHIFT HANDOVER
 - USED THE TIME TO SEEK CONSENT FROM PATIENTS
- TIME CONSTRAINTS
 - NOT ABLE TO DO DAILY DATA CAPTURING

IDENTIFIED GAPS

- UNAVAILABILITY OF GUIDANCE ON ANTIBIOTIC USE
- UNAVAILABILITY OF LAB TESTS RESULTS E.G CST
- DATA ANALYSIS AND DISSEMINATION OF FINDINGS
 - FEEDBACK TO HEALTH FACILITIES,MOH
 - PUBLISHING OF RESULTS

THANK YOU