

Zimbabwe KB, Yona YJ, Chiwambo CA, Mhagama DA, Chandika AB, Kiwelu HS, et al. Antimicrobial use among outpatients at Benjamin Mkapa Hospital in Dodoma Central Zone of Tanzania: A prospective descriptive study. *Infect Dis Clin Microbiol.* 2024;3:174-84.

SUPPLEMENTARY 1: Formulas for data management and analysis.

- a. Number of prescriptions surveyed =N
- b. Proportion of prescriptions with antibiotics

$$= \frac{(\text{number of all prescription with antibiotics})}{(\text{total of all surveyed prescriptions})} \times 100$$
- c. Proportion (%) of prescription-prescribed single antibiotics

$$= \frac{(\text{number of all prescriptions with single antibiotics})}{(\text{number of all prescriptions with antibiotics})} \times 100$$
- d. Proportion (%) of prescriptions for parenteral antibiotics

$$= \frac{(\text{number of all prescriptions with parenteral antibiotics})}{(\text{number of all prescriptions with antibiotics})} \times 100$$
- e. Proportion (%) of prescription with antibiotics and indication recorded in notes

$$= \frac{(\text{number of all prescriptions having antibiotics with an indication recorded})}{(\text{number of all prescriptions with antibiotics})} \times 100$$
- f. Proportion (%) of prescription-compliant current STG/NEMLIT

$$= \frac{(\text{number of all prescription with antibiotics complying with current STG/NEMLIT})}{(\text{number of all prescriptions with antibiotics})} \times 100$$
- g. Proportion (%) of prescription of antibiotics for post-surgical follow-up with a single dose =

$$\frac{(\text{number of all prescriptions with antibiotics for post surgical follow up with a single dose})}{(\text{number of all prescriptions with antibiotics})} \times 100$$
- h. Proportion (%) of prescription of antibiotics for post-surgical follow-up with duration = 1 day

$$= \frac{(\text{number of all prescription with antibiotics for post surgical follow up with = 1 day})}{(\text{number of all prescriptions with antibiotics})} \times 100$$
- i. Proportion (%) of prescription of antibiotics for post-surgical follow-up with duration >1 day

$$= \frac{(\text{number of all prescriptions with antibiotics for post surgical follow up with above > 1 day})}{(\text{number of all prescriptions with antibiotics})} \times 100$$
- j. Drug utilization 90% (DU90%)

$$DU90\% = \frac{(\text{number of antibiotic items prescribed using the generic name})}{(\text{total number of all antibiotic items prescribed})} \times 100$$
- k. Average number of antibiotics prescribed per patient

$$= \frac{\text{total number of all antibiotic items prescribed}}{\text{number of all prescriptions with antibiotics}}$$