Summary of Antibiotic Prescribing Pattern; Errors Perspective in Primary Health Care Centers

Zainab Ibrahim Albahouth, BSc. Pharm, MSc. Clin Pharm, Primary Health Care Clinical Pharmacist, Regional Health Command Center-Riyadh, Health Affairs in Riyadh City, Ministry of Health, Riyadh, SAUDI ARABIA.

Samia Zaben Almurshadi, BSc. Pharm, MSc. Clin Pharm, Primary Health Care Clinical Pharmacist, Regional Health Command Center-Riyadh, Health Affairs in Riyadh City, Ministry of Health, Riyadh, SAUDI ARABIA.

Yousef Ahmed Alomi*, BSc. Pharm, MSc. Clin Pharm, BCPS, BCNSP, DiBA, CDE, Critical Care Clinical Pharmacists, TPN Clinical Pharmacist, Freelancer Business Planner, Content Editor, and Data Analyst, Riyadh, SAUDI ARABIA.

Correspondence: Dr. Yousef Ahmed Alomi, BSc. Pharm, msc. Clin pharm, BCPS, BCNSP, DiBA, CDE Critical Care Clinical Pharmacists, TPN Clinical Pharmacist, Freelancer Business Planner, Content Editor and Data Analyst, PO BOX 100, Riyadh 11392, Riyadh, SAUDI ARABIA.

Phone no: +966 504417712
E-mail: yalomi@gmail.com

ABSTRACT
Deep learning in the new century is expanding pharmacy knowledge and practice. One of the latest tools used in the healthcare practice is an infographic. That can simplify scientific information into accessible, understandable knowledge. Using infographics in pharmacy practice has become critical for facilitating and understanding data and therapeutic guidelines, improving patient counseling, assisting healthcare professionals, and enhancing patient safety. It is the power of converting visual aid future of pharmacy practice.
Albahouth: Summary of Antibiotic Prescribing Pattern; Errors Perspective in Primary Health Care Centers

Summary of Antibiotic Prescribing Pattern; Errors Perspective in Primary Health Care in Riyadh City, Saudi Arabia

- Primary Healthcare Center (PHC) 25
- One month antibiotics prescriptions
- Medication error form used

- Total 18,031 prescriptions
- Antibiotics 3,879 (21.51%)
- Errors 1388 (35.78%)

Diagnosis
- Upper RTI 216 (15.6%)
- Tonsillitis 88 (6.3%)

Patient Characteristics Errors

- Nationality
- Gender
- Age not written 84
- Body weight not written 492
- Diagnosis not written 535
- Height not written 1388

Antibiotics errors
- Amoxicillin 576 (41.5%)
- Amoxicillin/ Clavulanate 390 (28.1%)
- Fucidic Acid 123 (8.86%)
- Azithromycin 116 (8.35%)

Type of errors with Age

- > 15 years
  - Inappropriate drug choices 561 (41.7%)
  - Dose Frequency 94 (7.0%)
  - Low dosing 18 (1.3%)
- <= 15 years
  - Inappropriate drug choices 78 (5.8%)
  - Dose Frequency 259 (19.3%)

Factors associated with Antibiotics errors

- No. of Antibiotics
- Generic Name
- Treatment
- Dosage Form
- Bactericidal

Type of Prescriber

- Others 0.32%
- Specialist 31.67%
- GP 68.01%

Recommendations

- Electronic Prescriptions
- Antibiotics guidelines
- PHC Clinical Pharmacist

References