

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

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## 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

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**Retrospective Analysis**

**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%)**



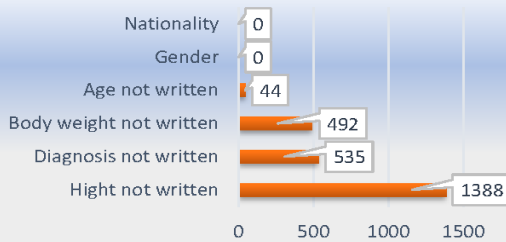
**M 648 (46.7%)**  
**F 740 (53.3%)**



**Diagnosis**

- ❖ Upper RTI **216 (15.6%)**
- ❖ Tonsillitis **88 (6.3%)**

**Patient Characsics Errors**

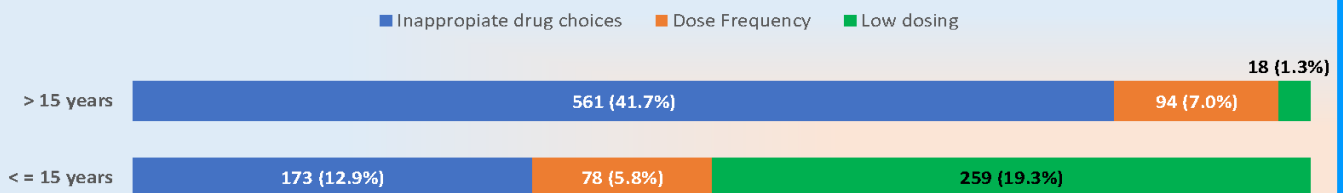


**Antibiotics errors**

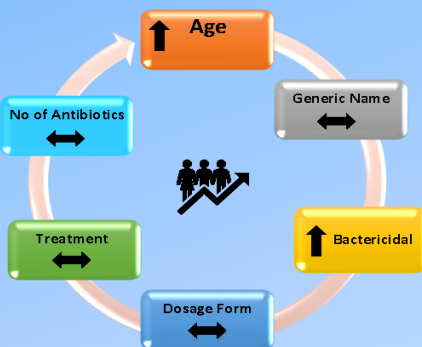
- ✓ Amoxicillin **576 (41.5%)**
- ✓ Amoxicillin/ Clavulanate **390 (28.1%)**
- ✓ Fucidic Acid **123 (8.86%)**
- ✓ Azithromycin **116 (8.35%)**



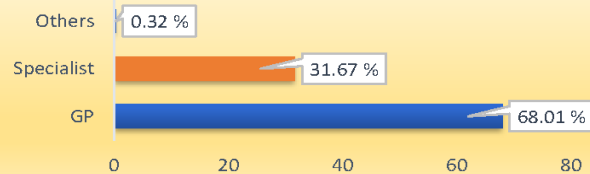
**Type of errors with Age**



**Factors associated with Antibiotics errors**



**Type of Prescriber**



**Recommendations**

- ❖ **Electronic Prescriptions**
- ❖ **Antibiotics guidelines**
- ❖ **PHC Clinical Pharmacist**

**References**

Albahouth Z, Alotibi NM, Almurshadi SA, Alqhtani FM, Altamimi IN, Alomi YA. Antibiotic Prescribing Pattern; Errors Perspective in Primary Health Care Centers in Riyadh City, Saudi Arabia. PTB Reports. 2023;9(2):34-43.