

SYSTEMATIC SCREENING OF ANTIBIOTIC TREATMENTS BY CLINICAL PHARMACISTS


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WHAT AND WHY?

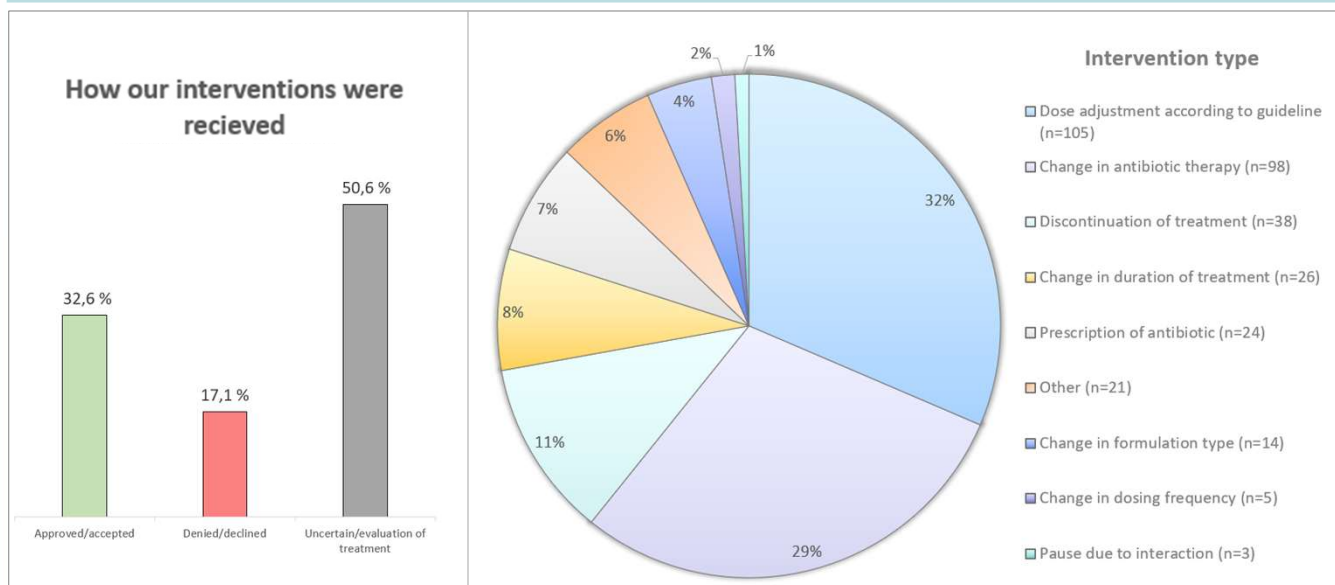
A **systematic screening of antibiotic treatments** for patients was performed by clinical pharmacists as a daily task, at The Medical Acute Care Unit, Bispebjerg Hospital. The screening aimed to **ensure the rational use of antibiotics**, contributing to the minimization of **antibiotic resistance** and potentially **shortening hospital stays** by optimizing treatment.

HOW WAS IT DONE?

For each patient receiving antibiotics treatment in the Medical Acute Care unit, the following was reviewed against regional guidelines at "Antibiotika.dk":  **antibiotika**

- **Renal function, clinical indication, allergies, antibiogram, patient condition, dosage, and route of administration**

Adjustment to treatment was discussed with the attending physician if relevant.



RESULTS:

Among patients receiving antibiotic treatment **deviating from regional guidelines**:

- **32%** had treatment **modified** based on our **intervention**.
- **50%** had **reassessment** of current antibiotic therapy, with uncertain outcome.

Of all interventions, the most frequent type was:

- **Dose adjustment** according to local guidelines e.g., renal function (31%)
- Change of **antibiotic treatment** (29%)

The collected data supports that pharmacists can contribute to ensure rational antibiotic therapy.

WHAT'S NEXT?

Continue to gather data from the screening process, to further analyze how pharmacists contribute in the best way possible, to a more rational use of antibiotics for empiric treatment.

