



T.C. Sağlık Bakanlığı



ANTİBİOTİC STEWARDSHIP STUDİES İN BATMAN

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The problem

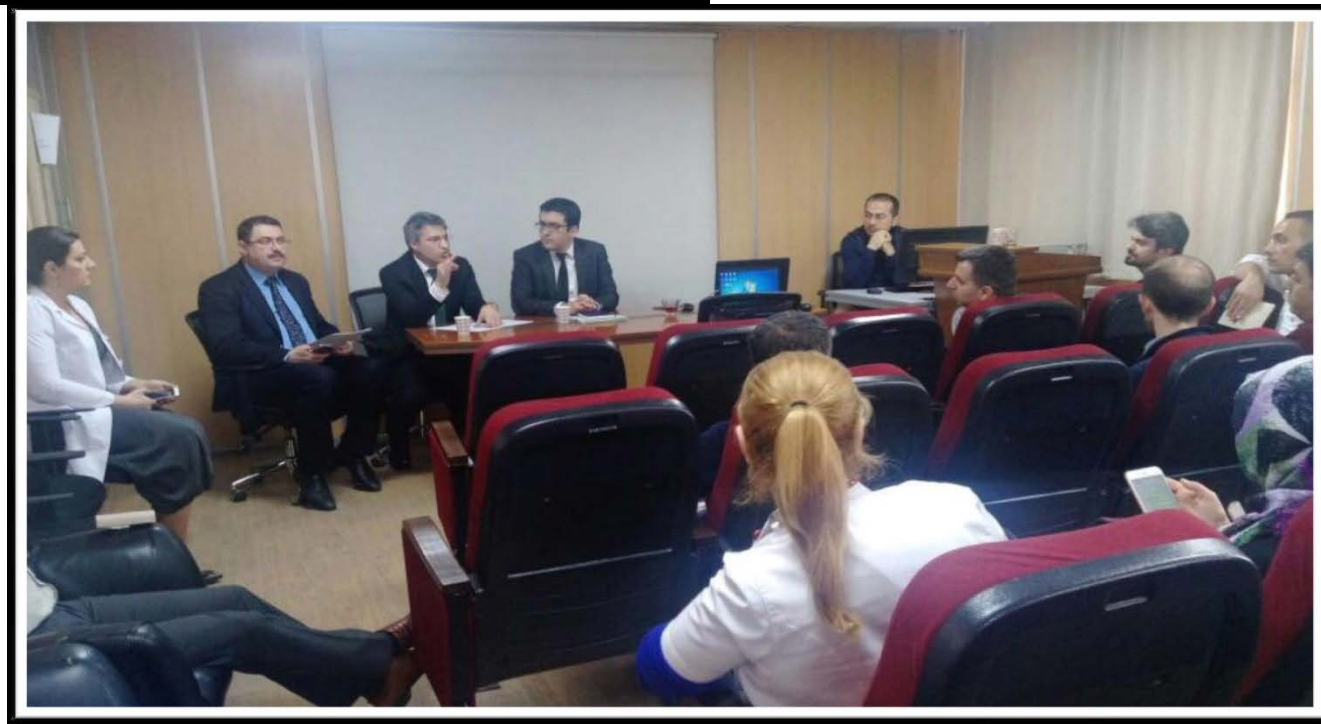
- In 2015, Batman province was ranking 1st for antibiotic consumption in primary care physicians' prescriptions
- Prescription information system.
- Antibiotics were prescribed by $\approx 46\%$ of physicians.
- One of the highest rate over the country.
- Irrational use of antibiotics?

The solution

- Action plan:
 - For physicians
 - For the public
 - For pharmacies
- Under the leadership of the Rational Drug Provincial Coordinator, a “Rational Drug Use “ team of 4 physicians (2 ID, 2 Health Care staff assistants) was built.
- Cooperation with administrative authorities.

For physicians

- Team's ID Specialists participated in an educational course → Mentor in Rational Antibiotic Use.
- Trainings with all the physicians in primary and secondary healthcare institutions:
 - Implementations of guidelines.
 - Awareness about the rational antibiotic (→family physicians)
- Specialty-based physician interviews:
 - Physicians' own antibiotic prescribing rates were presented to them in closed envelopes.
- Informed about laboratory tests that could provide antibiotic selection rational.
- Rapid Antigen Test (RAT) kit (upper respiratory tract infections) and training were delivered to all primary and secondary care physicians in the province for use in the outpatient clinic.



For the public

- Information and cooperation with the Batman Mayorship.
- Posters distribution in public buses.
- Brochures and posters encouraging the rational antibiotic use were hanged in outpatient clinics.
- Messages emphasizing the rational antibiotic use on billboards.
- Press statements, radio programs, website news, and newspaper interviews.



For pharmacies

- Involvement of the board of the pharmacy chamber.
- A letter was notified to all pharmacists via the Chamber of Pharmacy providing that antibiotics without prescription is not legal and, otherwise, sanctions would be imposed within the framework legislation by the provincial health directorate.
- Non prescribed antibiotics was prevented with unusual sudden inspections.
- Brochures and posters distributed via pharmacies.



The solution: 2015→2016

- Antibiotic prescription rate (primary care physicians):
 - $\approx 46\% \searrow \approx 40\%$
 - Province ranking 1st \searrow 8th.
 - Serious behavioral change
 - Ongoing work for primary care, new projects on the way for the secondary care.