

Supplemental 1: PreAnalysis Code Map

Code-Category	Code-Topic	
	Sub-category	Theme
General impressions on rising resistance	General perception	Acute treatment
		Compliance
		Costs
		Diversification
		Dosage-application
		Effectiveness
		Frequent prescribing
		Immunosuppressant
		Interactions
		Proof of pathogen
	Resistance	
	Side effects	
	Prescribing	General
		GP
		HNO
Paediatrics		
Diagnoses	Urology	
	Angina	
	Bronchitis	
	Ear infections	
	Sore throat	
Reasons for rising resistance	Streptococcal infections	
	UTI	
	Antibiotic dosing	
	Antibiotics development	
	Cost of therapy	
	Diagnosis-specific	
	Epidemiology	
	EU differences	
	Hospital specific	
	Inadequate facilities	
	Incorrect prescribing practice	
	Infectiousness	
	Interventions	
	Medical dialog and discussion	
	Multi-resistant pathogens	
	Patient noncompliance	
	Patient self-medication	
	Pharmaceutical general	
	Pharmaceutical marketing	
Pharmaceutical packaging		
Poor hygiene		
Social factors aging		
Social factors food-industry		
Social factors migration		
Social factors travel		
Specialty-specific		
Outpatient-specific influences on prescribing	Symptoms and Diagnosis	Experience
		Knowledge

		Laboratory	
	Patient	Age Age Comfort Demand History History Immigration Travel	
	Physician	Consequences of inaction Perception of patient Safe side Unclear symptoms	
	Costs	Health insurance Laboratory Pharmacy Therapy	
	Pharmaceutical industry	Antibiotic choice Clinical priority Consulting Marketing Relationships and influence	
Hospital-specific influences on prescribing	Setting	Colleague consult Experience Guidelines Laboratory Pharmacy regulations	
	Diagnoses	General	
	Internal Guidelines	Hospital policy Pharmaceutical commissions Updatedness Use and usability	
	External Guidelines	Disease and pathogens Experience No guidelines Recommendations Reliability-notoriety Speciality-specific Urgency	
	Collegial Exchange	Availability Feedback Hospital structures Laboratory microbiologists Time constraint	
	Fear	Time constraint Unavailable consult Unclear antibiotic application	
	Pharmaceutical industry	Consulting Marketing	
	Sources of information on antibiotics	Practice	Clinical experience CMEs Conferences Medical education Peer teaching Specialty training

	Guidelines	Availability Accessibility Flexibility Safety and reliability Use and usability
	Clinical reference manuals	Use and usability
	Positive lists	Flexibility Orientation Use and usability
	Books	Handbooks Reference
	Media	Medical journals Pharmaceutical-leaflets Specialty journals
	Internet	Clinical help Independent Institutional websites New antibiotics Pharmaceutical-based Search engines Speed Time constraints
Physician-oriented interventions	Problems	Hygiene Irrational prescribing Patient non-compliance Resistance development
	General needs	Build trust in patients (physician) Improve informational sources Patient education
	Physician education	Access to microbiologists Antibiotics education CMEs Communication Improve informational sources Professional exchange (conferences) Regional epidemiology Resistance Therapy