Antimicrobial | IMPROVING PRIMARY CARE FOR CHILDREN'S RESPIRATORY INFECTIONS

Published evidence from systematic reviews -

three quantitative and two qualitative

| Interventions to influence consulting and antibiotic use | Interventions should engage children, occur prior to an illness episode, employ delayed prescribing, and provide guidance on specific symptoms. |
|--|--|
| ndrews T, Thompson M, Buckley DI, Heneghan C, Deyo R, Redmond N, et al. terventions to influence consulting and antibiotic use for acute respiratory tract infectior children: A systematic review and meta-analysis. PLoS ONE. 2012; 7(1): e30334 | ns |
| 2 Interventions to reduce antibiotic prescribing | Interventions aimed towards clinicians and parents can reduce prescribing. |
| | Target both clinicians and parents during consultations, provide automatic prescribing prompts and promote clinician leadership in design of interventions. |
| | Passive intervention approaches don't work to reduce antibiotic prescribing. |
| odicka TA, Thompson M, Lucas P, Heneghan C, Blair PS, Buckley DI, et al. Reducing ntibiotic prescribing for children with respiratory tract infections in primary care: a ystematic review. The British Journal of General Practice. 2013; 63(612): e445-54. | |
| 3 RTI symptom trajectories | • Durations of earache and common colds are considerably longer than UK and US guidelines currently suggest. |
| | Updating guidelines will support parents and clinicians to make decisions around respiratory tract infections (RTIs). |
| hompson M, Vodicka TA, Blair PS, Buckley DI, Heneghan C, Hay AD, et al. Duration o ymptoms of respiratory tract infections in children: systematic review. BMJ. 2013; 347: 1702 | |
| Parent-clinician communication affects prescribing decisions | Clinicians and parents talk at cross purposes with regard to 'seriousness' of illness. |
| | Communication skills training may improve primary care clinicians' understanding of parents' concerns. |
| abral C, Horwood J, Hay AD, Lucas PJ. How communication affects prescription decisions o consultations for acute illness in children: a systematic review and meta-ethnography. MC Family Practice. 2014; 15: 63. | ; |
| S Parent/clinician views and perceptions influencing prescribing decisions | Clinicians prescribe when they believed antibiotics are clinically indicated, when they perceive pressure and "just in case" when they feel uncertain about outcomes. |
| | • The medical examination in itself is reassuring to parents and they generally have a "no treatment" preference, although some do want prescriptions when they believe they will improve the current illness. |
| | |





