

Supplementary Materials

Table S1. Introduction of interventions.

Interventions	Distribution	Contents	Frequency
Training session	Two chief physicians from the county hospital	<ul style="list-style-type: none"> • Introduction to antibiotics; • Consequences of antibiotic overuse • The causes of antibiotic resistance; • How to use antibiotics rationally; • How to best deal with the common cold and diarrhea in children. 	Every season during the one-year intervention (4 times in total)
Speakerphone	Playback coordinated by a social worker in each village	<ul style="list-style-type: none"> • Basic knowledge of antibiotics; • Rational antibiotic use for children; • Rational antibiotic use for pigs 	Two times (morning and evening) every Tuesday, Thursday and Saturday during the one-year intervention
Posters	Placed at key gathering points by the Research team	<ul style="list-style-type: none"> • Knowledge of upper respiratory tract infections and the immune system. • Rational antibiotic use for humans; • Potential for adverse drug reactions caused by antibiotics. 	Replaced with new ones once a quarter
Handbook	Delivered to households by village doctors	<ul style="list-style-type: none"> • Definition of antibiotics; • Antibiotic use indications; • Harm of irrational antibiotic use for humans; • How to use antibiotics rationally for humans. 	Distributed after training session (4 times in total)