

Supplemental File – Primary Analysis GEE Model Results by Correlation Structure Type

Section A: Study Period evaluation

A.1: GEE Results with Independent Correlation Structure, ITT Analysis

	AF + ES v Neither		ES Only v Neither		AF + ES v ES Only	
	Estimate	95% C.I.	Estimate	95% C.I.	Estimate	95% C.I.
Nitrofurantoin	1.28	(1.07, 1.52)	1.17	(0.99, 1.38)	1.09	(0.91, 1.30)
Fosfomycin	0.84	(0.63, 1.12)	0.83	(0.64, 1.07)	1.02	(0.77, 1.36)
Ciprofloxacin	0.86	(0.65, 1.13)	0.94	(0.73, 1.22)	0.91	(0.70, 1.19)
TMP-SMX	0.74	(0.53, 1.03)	0.88	(0.64, 1.20)	0.85	(0.60, 1.20)
Other antibiotics	0.84	(0.59, 1.18)	0.93	(0.66, 1.32)	0.90	(0.64, 1.26)

ITT=Intention-to-treat AF=audit and feedback; ES=educational summary; TMP-SMX=trimethoprim sulfamethoxazole; GEE=generalized estimating equations

A.2: GEE Results with Exchange Correlation Structure, ITT Analysis

	AF + ES v Neither		ES Only v Neither		AF + ES v ES Only	
	Estimate	95% C.I.	Estimate	95% C.I.	Estimate	95% C.I.
Nitrofurantoin	1.27	(1.09, 1.48)	1.18	(1.02, 1.36)	1.08	(0.92, 1.26)
Fosfomycin	0.93	(0.71, 1.20)	0.86	(0.69, 1.09)	1.09	(0.84, 1.41)
Ciprofloxacin	0.84	(0.67, 1.06)	0.90	(0.72, 1.13)	0.93	(0.73, 1.17)
TMP-SMX	0.71	(0.54, 0.95)	0.88	(0.68, 1.13)	0.80	(0.61, 1.06)
Other antibiotics	0.83	(0.60, 1.15)	0.92	(0.67, 1.27)	0.90	(0.66, 1.22)

ITT=Intention-to-treat AF=audit and feedback; ES=educational summary; TMP-SMX=trimethoprim sulfamethoxazole; GEE=generalized estimating equations

Section B: Delay Period (Repeated Intervention) evaluation

B.1 GEE Results with Independent Correlation Structure, ITT Analysis

	Repeated Intervention v Control (single intervention)	
	Estimate	95% C.I.
Nitrofurantoin	1.03	(0.85, 1.25)
Fosfomycin	0.93	(0.71, 1.28)
Ciprofloxacin	0.88	(0.62, 1.20)
TMP-SMX	0.91	(0.62, 1.30)
Other antibiotics	1.38	(0.96, 2.02)

B.2 GEE Results with Exchange Correlation Structure, ITT Analysis

	Repeated Intervention v Control (single intervention)	
	Estimate	95% C.I.
Nitrofurantoin	0.95	(0.79, 1.14)
Fosfomycin	1.01	(0.75, 1.36)
Ciprofloxacin	0.89	(0.64, 1.23)
TMP-SMX	1.03	(0.78, 1.38)
Other antibiotics	1.39	(0.98, 1.96)