

## Appendix:

**Supplemental Table 1: Univariate linear regression of independent variables for blood culture QREC (%) isolates tested in all, high-income and middle-income countries**

Variable (Units)	Regression Coefficient		
	All Countries	High Income Countries	Middle Income Countries §
Unsafely Managed Sanitation (%)	0.49 ***	0.07	0.26 **
Unsafely Managed Water (%)	1.0 ***	2.07	0.44 *
Human Fluoroquinolone Consumption (DDD/ 1000 population/ year)	0.02 ***	0.01 ***	0.01
Total Human Antimicrobial Consumption (DDD/ 1000 population/ year)	-0.00	0.00 *	-0.00
Animal Antimicrobial Consumption (mg/PCU)	0.08 *	0.09 **	0.01
Population Density (population per square kilometre)	0.01	0.01 **	0.02
Gross National Income (US dollars)	-0.00 ***	-0.00 ***	-0.00
Corruption Perceptions Index (score 1-100)	-0.68 ***	-0.61 ***	-0.88 **
Education Level (years)	-5.4 ***	-4.78 ***	-2.53 *
Healthcare Access and Quality (score 1-100)	-0.89 ***	-1.27 ***	-0.52 **
Average Annual Temperature (degrees Celsius)	1.17 ***	0.96 ***	0.31
Livestock Production Index	0.18 ***	0.08	0.03
Crop Production Index	0.19 **	-0.03	0.27 *
Aquaculture Production Index (metric tons)	0.00	-0.00	0.00

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

§ Malawi included