

Supplementary Table V. Association of predominant serotypes with drug resistance in pre (PRE) and post-vaccine (POST) eras

Serotype	Antibiotic	POST_NS	PRE_NS	POST_SUS	PRE_SUS	Odds ratio	Raw <i>P</i>	Adj <i>P</i>
14	MDR	1	6	0	7	1.886	0.74	1
15B	MDR	10	0	2	1	6.99	0.230769	1
19A	MDR	4	4	1	5	4.452109	0.300699	1
19F	MDR	26	15	3	19	10.53725	0.000173	0.012432
23F	MDR	1	13	1	5	0.405998	0.521053	1
3	MDR	2	0	3	10	9.2	0.16	1
6A	MDR	2	2	1	9	7.295443	0.175824	1
6B	MDR	4	6	1	7	4.295561	0.313725	1
14	PEN	0	5	1	13	0	1	1
15B	PEN	0	1	12	0	0	0.076923	1
19A	PEN	2	3	3	8	1.712047	1	1
19F	PEN	12	11	17	30	1.906676	0.301525	1
23F	PEN	0	8	2	14	0	0.536232	1
3	PEN	0	2	5	10	0	1	1
6A	PEN	1	2	2	11	2.546789	0.489286	1
6B	PEN	0	6	5	12	0	0.27249	1
14	CRO	0	13	1	13	0	1	1
15B	CRO	0	0	12	1	0	1	1
19A	CRO	0	9	5	9	0	0.115665	1
19F	CRO	11	33	19	34	0.599675	0.277364	1
23F	CRO	0	16	2	18	0	0.492063	1
3	CRO	0	10	5	10	0	0.061265	1
6A	CRO	1	10	2	11	0.56343	1	1
6B	CRO	2	13	3	13	0.675379	1	1
14	LEV	0	0	1	13	0	1	1
15B	LEV	4	0	8	1	0.86	0.94	1
19A	LEV	0	0	5	9	0	1	1
19F	LEV	3	1	27	34	3.705294	0.327699	1
23F	LEV	0	1	2	18	0	1	1
3	LEV	0	0	5	10	0	1	1
6A	LEV	0	1	3	11	0	1	1
6B	LEV	1	1	4	12	2.792848	0.490196	1
14	ERY	1	7	0	6	1.414	0.86	1
15B	ERY	10	0	2	1	3.74	0.39	1
19A	ERY	4	5	1	4	2.953851	0.58042	1
19F	ERY	27	19	3	15	6.890793	0.004532	0.326332
23F	ERY	2	14	1	4	0.588562	1	1
3	ERY	4	0	1	10	41.61	0.008	0.576
6A	ERY	3	6	0	5	3.74	0.39	1
6B	ERY	4	7	1	6	3.215424	0.595588	1
14	CLN	0	4	1	9	0	1	1
15B	CLN	8	0	4	1	3.1	0.56	1

Contd...

Serotype	Antibiotic	POST_NS	PRE_NS	POST_SUS	PRE_SUS	Odds ratio	Raw <i>P</i>	Adj <i>P</i>
19A	CLN	4	4	1	5	4.452109	0.300699	1
19F	CLN	21	13	9	21	3.686465	0.013555	0.975951
23F	CLN	2	14	0	4	0.94	0.95	1
3	CLN	3	0	2	10	18.75	0.042	1
6A	CLN	1	0	2	11	7.66	0.31	1
6B	CLN	4	7	1	6	3.215424	0.595588	1
14	TET	1	8	0	5	1.05	0.97	1
15B	TET	11	0	1	1	13.27	0.22	1
19A	TET	4	6	1	3	1.907544	1	1
19F	TET	26	21	3	13	5.227818	0.018753	1
23F	TET	2	9	0	9	3.08	0.482	1
3	TET	2	1	3	9	5.206688	0.241758	1
6A	TET	2	2	1	9	7.295443	0.175824	1
6B	TET	4	5	1	8	5.759094	0.294118	1
14	CHL	0	13	1	13	0	1	1
15B	CHL	1	0	11	1	0.2	0.457	1
19A	CHL	0	9	5	9	0	0.115665	1
19F	CHL	0	33	29	34	0	2.84E-07	2.04E-05
23F	CHL	0	16	2	18	0	0.492063	1
3	CHL	0	10	5	10	0	0.061265	1
6A	CHL	1	10	2	11	0.56343	1	1
6B	CHL	0	13	5	13	0	0.058001	1
14	SXT	1	12	0	3	0.453	0.69	1
15B	SXT	12	1	0	0	0	1	1
19A	SXT	5	7	0	3	3.24	0.449	1
19F	SXT	28	25	1	9	9.780892	0.015749	1
23F	SXT	1	16	1	4	0.271157	0.411255	1
3	SXT	1	1	4	9	2.121357	1	1
6A	SXT	3	7	0	6	3.86	0.37	1
6B	SXT	4	9	1	5	2.137445	1	1

Raw *P* value from Fisher exact test was adjusted using Bonferroni method. POST_NS, non-susceptible in post-vaccine era; POST_S, susceptible in post-vaccine era; PRE_S, susceptible in Pre-vaccine era; PRE_NS, non-susceptible in pre-vaccine era. Odds ratio for drug resistance vs. vaccine era was computed for each major serotype and antibiotic