

Supplementary Tables

Table S1: Antibiotic resistance and multidrug resistance (MDR) profiles of *S. pneumoniae* serotype. The table shows the number and percentage of resistant isolates for each antibiotic, grouped by serotype.

Antibiotics	Serotypes								Total (106)
	23F (9)	4 (5)	9V (5)	14 (10)	19F (14)	19A (20)	3 (7)	non PCV13 (36)	
E	3 (2.8%)	4 (3.7%)	2 (1.8%)	4 (3.7%)	8 (7.5%)	12 (11.3%)	4 (3.7%)	25 (23.5%)	62 (58.5%)
P	6 (5.6%)	3 (2.8%)	4 (3.7%)	2 (1.8%)	9 (8.4%)	9 (8.4%)	3 (2.8%)	21 (19.8%)	57 (53.5%)
AML	9 (8.4%)	4 (3.7%)	4 (3.7%)	6 (5.6%)	10 (9.4%)	13 (12.2%)	5 (4.7%)	24 (22.6%)	75 (70.8%)
CIP	2 (1.8%)	0 (0%)	1 (0.9%)	1 (0.9%)	3 (2.8%)	2 (1.8%)	1 (0.9%)	7 (6.6%)	17 (16.0%)
DO	1 (0.9%)	0 (0%)	0 (0%)	1 (0.9%)	2 (1.8%)	2 (1.8%)	1 (0.9%)	2 (1.8%)	9 (8.5%)
CRO	1 (0.9%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1.8%)	1 (0.9%)	0 (0%)	4 (3.8%)
OX	6 (5.6%)	4 (3.7%)	4 (3.7%)	8 (7.5%)	7 (6.6%)	17 (16.0%)	5 (4.7%)	26 (24.5%)	77 (72.6%)
CTX	3 (2.8%)	0 (0%)	0 (0%)	2 (1.8%)	0 (0%)	2 (1.8%)	0 (0%)	1 (0.9%)	8 (7.5%)
SXT	5 (4.7%)	0 (0%)	1 (0.9%)	3 (2.8%)	4 (3.7%)	1 (0.9%)	0 (0%)	9 (8.4%)	23 (21.7%)
FEP	3 (2.8%)	0 (0%)	0 (0%)	3 (2.8%)	0 (0%)	4 (3.7%)	0 (0%)	3 (2.8%)	13 (12.3%)
OFX	5 (4.7%)	5 (4.7%)	1 (0.9%)	8 (7.5%)	11 (10.3%)	12 (11.3%)	6 (5.6%)	23 (21.6%)	71 (67.0%)
AZM	8 (7.5%)	4 (3.7%)	5 (4.7%)	6 (5.6%)	10 (9.4%)	12 (11.3%)	5 (4.7%)	20 (18.8%)	70 (66.0%)
C	1 (0.9%)	1 (0.9%)	2 (1.8%)	1 (0.9%)	2 (1.8%)	1 (0.9%)	0 (0%)	4 (3.7%)	12 (11.3%)
TE	2 (1.8%)	4 (3.7%)	4 (3.7%)	3 (2.8%)	7 (6.6%)	12 (11.3%)	3 (2.8%)	15 (14.1%)	50 (47.1%)

Table S2: Distribution of resistance-associated genes among different *S. pneumoniae* serotypes.

Serotypes	Genes			
	<i>ermB</i>	<i>tetM</i>	<i>cat</i>	<i>mefA</i>
23F	7(6.6%)	4(3.7%)	5(4.7%)	1(0.9%)
19A	11(10.3%)	13(12.2%)	10(9.4%)	2(1.8%)
4	2(1.8%)	2(1.8%)	3(2.8%)	1(0.9%)
9V	2(1.8%)	5(4.7%)	3(2.8%)	0(0%)
14	9(8.4%)	4(3.7%)	7(6.6%)	2(1.8%)
19F	10(9.4%)	6(5.6%)	8(7.5%)	4(3.7%)
3	6(5.6%)	2(1.8%)	2(1.8%)	2(1.8%)
non PCV13	26(24.5%)	17(16.0%)	21(19.8%)	8(7.5%)
Total	73	53	59	20