

Table 2. In-patient antibacterial usage (DDDs x 10⁶) in English Hospitals (n=158): Longitudinal analysis from 2007 to 2012

Antibacterial	DDDs x 10 ⁶ (% of total) of antibiotic used in indicated 12 month period					% change 2008/9 to 2012/13
	2008-9	2009-10	2010-11	2011-12	2012-13	
Co-amoxiclav	5.11(12.9)	6.03(15.08)	7.00(16.94)	7.65(18.1)	8.18(18.4)	+60.1
Flucloxacillin	8.72(22.1)	8.24(20.62)	7.88(19.06)	7.40(17.5)	7.22(16.2)	-17.2
Macrolides	4.03(10.20)	4.07(10.17)	4.25(10.29)	4.31(10.2)	4.83(10.8)	+19.7
AMX/AMP	4.37(11.05)	4.22(10.57)	4.25(10.28)	4.22(10.0)	4.77(10.7)	+9.1
Tetracyclines	3.11(7.87)	3.23(8.08)	3.47(8.40)	3.61(8.6)	3.55(8.0)	+14.1
Fluoroquinolones	1.55(3.92)	1.41(3.52)	1.46(3.52)	1.47(3.5)	1.58(3.5)	+1.6
Trimethoprim	1.61(4.06)	1.72(4.30)	1.73(4.18)	1.72(4.1)	1.79(4.0)	+11.4
Narrow-spectrum Penicillins	1.39(3.51)	1.36(3.40)	1.28(3.11)	1.27(3.0)	1.27(2.9)	-8.3
Others*	1.32(3.33)	1.39(3.48)	1.49(3.61)	1.63(3.9)	1.81(4.1)	+37.3
Aminoglycosides	1.24(3.14)	1.30(3.25)	1.38(3.35)	1.47(3.5)	1.53(3.4)	+23.3
TZP	0.82(2.08)	1.04(2.59)	1.20(2.89)	1.37(3.2)	1.61(3.6)	+94.8
Carbapenems	0.76(1.91)	0.90(2.25)	1.01(2.45)	1.15(2.7)	1.22(2.7)	+61.4
Glycopeptides	0.89(2.26)	0.93(2.34)	1.01(2.45)	1.07(2.5)	1.16(2.6)	+30.0
Imidazoles	2.19(5.54)	2.09(5.23)	2.02(4.89)	2.05(4.9)	2.14(4.8)	-2.4
Cephalosporins 1st Gen	0.71(1.80)	0.60(1.49)	0.54(1.30)	0.53(1.3)	0.54(1.2)	-24.7
Cephalosporins 2nd gen	0.98(2.49)	0.76(1.90)	0.69(1.66)	0.60(1.4)	0.58(1.3)	-41.0
Cephalosporins 3rd gen	0.74(1.86)	0.69(1.72)	0.68(1.63)	0.70(1.7)	0.78(1.7)	+5.7
Total antibacterials	39.55	39.97	41.35	42.2	44.5	+12.6

*Others include: amphenicols, acetarsol, aztreonam, clindamycin, ceftalorine, sulphonamides, monobactams, daptomycin, linezolid, methenamine, nalidixic acid, nitrofurantoin, polymixins, steroid antibacterials, streptogramins, pivmecillinam, temocillin, ticarcillin.

Figure 1. Changes in total in-patient antibacterial usage in English NHS acute hospitals (n=158) between 2008 and 2013.

Numerator Defined Daily Dose (DDD) x10⁶

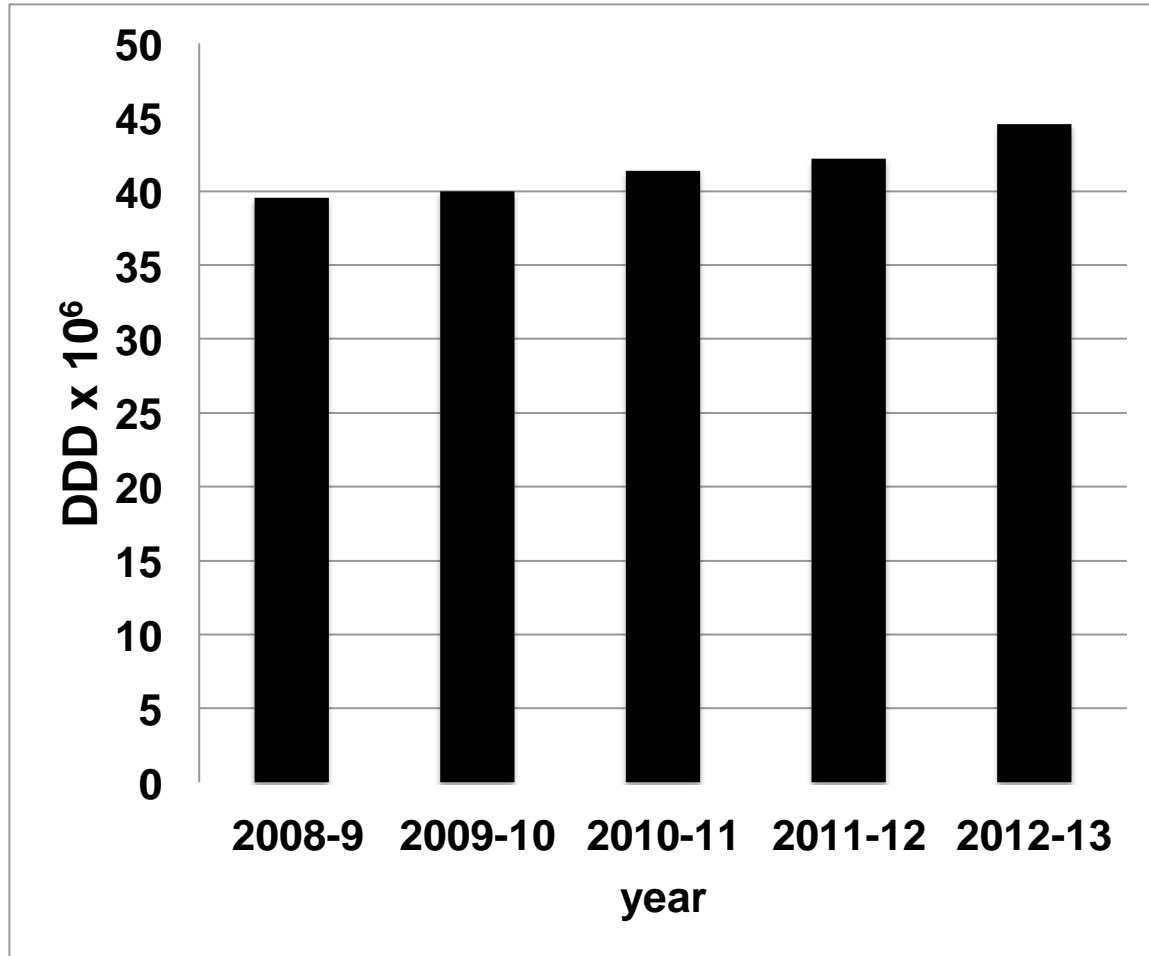


Figure 2.Total in-patient antibacterial usage per hospital activity in English NHS hospitals (n=158)

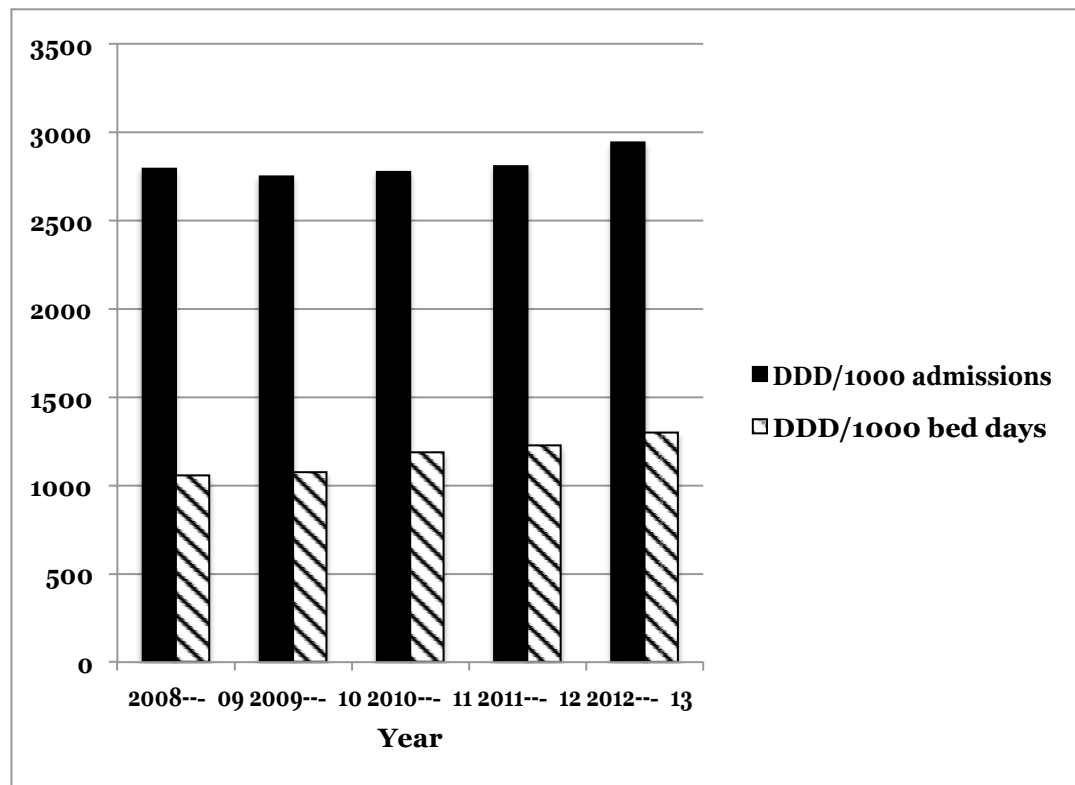


Figure 3. Total In-patient use of antibacterials (BNF 5.1, ATC J01) across 157 English Hospital trusts in 2012-13.

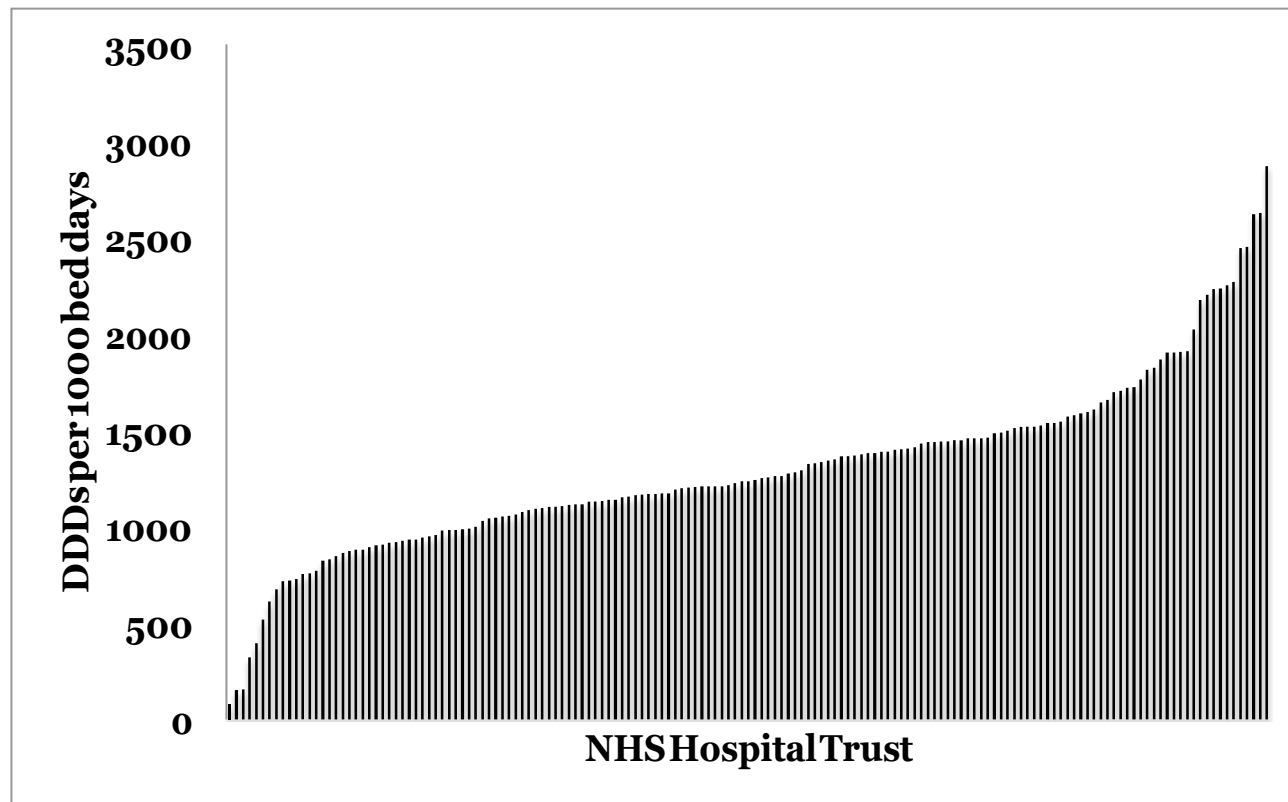


Figure 4. Total In-patient use of fluoroquinolones across 157 English Acute NHS Hospital trusts in 2012-13.

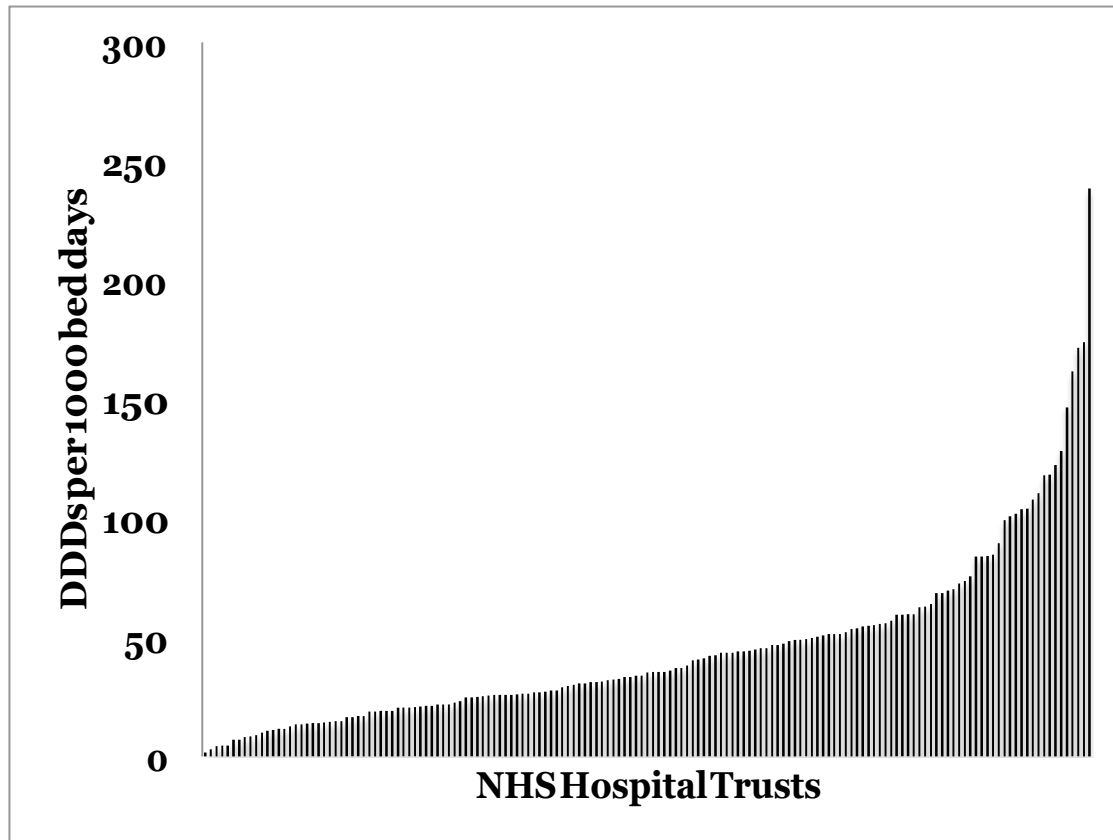


Figure 5. Total In-patient use of cephalosporins across 157 English Acute Hospital trusts in 2012-13

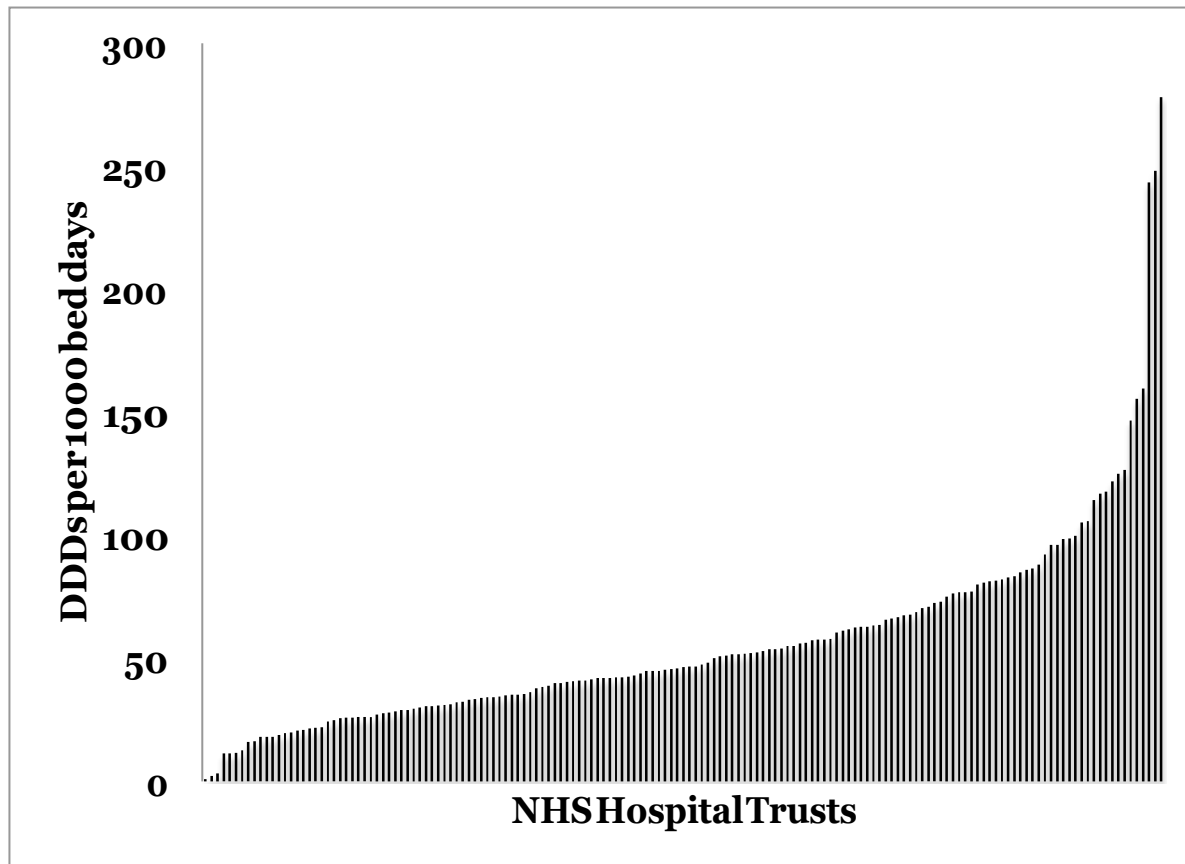


Figure 6. Total In-patient use of carbapenems across 157 English Acute NHS Hospital trusts in 2012-13.

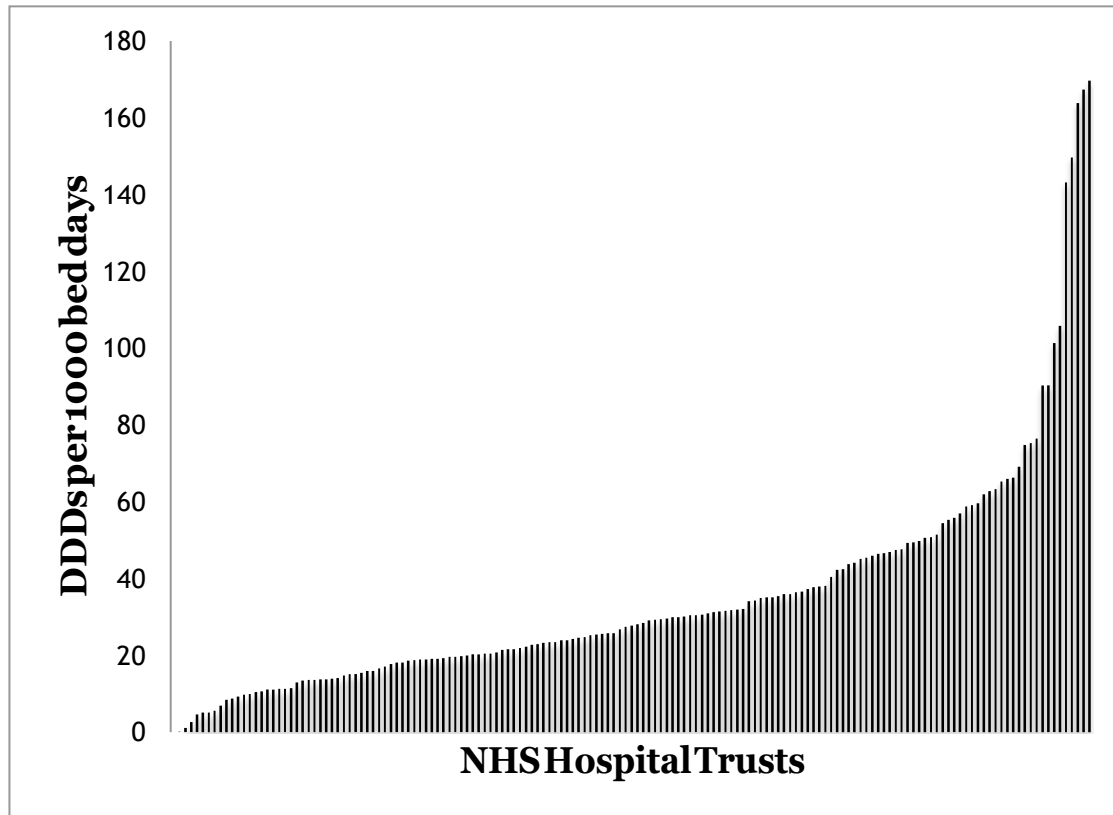


Figure 7. Total In-patient use of piperacillin/tazobactam across 157 English Acute NHS Hospital trusts in 2012-13.

