

Supplement 2

IPCI								
	Girls <12 yr		Girls ≥12 yr		Boys <12 yr		Boys ≥12 yr	
	asthma	no asthma	asthma	no asthma	asthma	no asthma	asthma	no asthma
URTI	39.3%**	43.6%	33.4%**	36.8%	40.6%**	52.2%	33.1%**	39.6%
Skin	9.1%**	13.9%	13.2%**	16.4%	14.3%**	19.6%	27.8%**	38.8%
UTI	16.0%**	23.5%	26.6%**	35.0%	1.8%**	3.5%	2.7%	3.0%
LRTI	31.9%**	14.3%	24.4%**	8.4%	38.5%**	19.4%	31.6%**	14.2%
Other /multiple indications	3.2%*	4.4%	2.3%*	3.0%	4.20%	4.7%	4.1%	3.9%
URTI+LRTI	0.5%	0.4%	0.2%*	0.3%	0.5%	0.6%	0.7%*	0.5%
THIN								
	Girls <12 yr		Girls ≥12 yr		Boys <12 yr		Boys ≥12 yr	
	asthma	no asthma	asthma	no asthma	asthma	no asthma	asthma	no asthma
URTI	46.0%**	55.6%	40.2%**	44.5%	45.0%**	55.9%	35.2%**	40.0%
Skin	13.3%**	15.5%	20.7%**	25.9%	15.2%**	18.3%	32.7%**	40.6%
UTI	9.7%**	12.3%	13.9%**	16.3%	3.8%**	5.2%	2.1%**	2.6%
LRTI	25.0%**	12.4%	19.4%**	8.8%	30.1%**	16.0%	24.2%**	12.3%
Other / multiple indications	3.1%**	2.9%	3.7%**	3.5%	2.90%	2.9%	3.5%*	3.3%
URTI+LRTI	2.9%**	1.4%	2.1%**	1.0%	3.0%**	1.7%	2.4%**	1.3%

Table 1 – indications stratified for age and gender

\*p-value <0.05 (no asthma as reference)

\*\*p-value <0.0001 (no asthma as reference)

IPCI									
		girls <12		Girls ≥12		Boys <12		Boys ≥12	
Pharmacological subgroup	Active component	asthma	No asthma	asthma	no asthma	asthma	no asthma	asthma	no asthma
Tetracyclines	Doxycycline	N/A	N/A	14.7%	10.8%	N/A	N/A	15.9%	18.0%
	Minocycline	N/A	N/A	3.4%	4.7%	N/A	N/A	9.8%	11.9%
Penicilins	amoxicillin	47.7%	44.5%	20.6%	17.2%	51.6%	51.7%	25.3%	23.2%
	Pheneticillin	3.9%	6.3%	7.7%	9.6%	N/A	6.6%	4.9%	8.1%
	Flucloxacillin	N/A	5.1%	5.0%	5.3%	5.1%	7.1%	6.2%	8.9%
	amoxicillin with enzyme inhibitor	14.9%	17.2%	9.4%	9.7%	13.9%	16.45	11.6%	13.6%
Sulfona-mides and trimethoprim	trimethoprim	N/A	N/A	N/A	3.8%	N/A	N/A	N/A	N/A
	Sulfamethoxazole and trimethoprim	4.6%	N/A	N/A	N/A	4.9%	N/A	4.3%	N/A
Macrolides, lincosamides and strepto-gramins	Clarithromycin	8.0%	5.2%	6.7%	4.7%	9.0%	6.7%	8.5%	6.1%
	Azithromycin	12.6%	9.8%	13.2%	9.2%	15.4%	11.5%	13.6%	10.2%
Other antibacterials	Nitrofurantoin	8.5%	11.9%	19.3%	25.0%	N/A	N/A	N/A	N/A

**Table 2-** DU90% stratified for age and gender – NA: not part of DU90%

THIN									
		girls <12		Girls ≥12		Boys <12		Boys ≥12	
Pharmacological subgroup	Active component	asthma	no asthma	asthma	no asthma	asthma	no asthma	no asthma	no asthma
Tetracyclines	doxycycline	N/A	N/A	2.7%	2.7%	N/A	N/A	3.0%	3.8%
	lymecycline	N/A	N/A	5.7%	8.3%	N/A	N/A	9.7%	12.6%
	oxytetra-cycline	N/A	N/A	3.9%	5.4%	N/A	N/A	8.2%	10.2%
	minocycline	N/A	N/A	N/A	2.5%	N/A	N/A	3.7%	4.8%
penicilins	amoxicillin	40.6%	45.7%	28.6%	20.6%	51.1%	52.6%	30.3%	22.0%
	phenoxy-methyl-penicillin	18.5%	14.2%	16.8%	20.0%	12.8%	20.4%	11.9%	14.9%
	flucloxacillin	12.2%	10.3%	11.6%	12.7%	12.2%	17.3%	14.1%	15.6%
	amoxicillin with enzyme inhibitor	4.8%	4.9%	3.8%	3.5%	5.0%	6.1%	3.5%	3.5%
other b-lactam antibacterials	cefalexin	4.4%	4.8%	3.7%	3.2%	2.8%	N/A	N/A	N/A
sulfonamides and trimethoprim	trimethoprim	10.1%	8.3%	9.0%	10.2%	12.8%	3.7%	N/A	N/A
Macroliden, lincosamides and streptogramins	erythromycin	9.5%	11.8%	11.0%	10.8%	3.3%	N/A	12.5%	12.5%
	clarithromycin	N/A	N/A	3.3%	N/A	N/A	N/A	3.1%	N/A

**Table 3-** DU90% stratified for age and gender – NA: not part of DU90%

IPCI												
	Girls <12 yr			Girls ≥12 yr			Boys <12 yr			Boys ≥12 yr		
	B/N ratio	AI	A/B ratio	B/N ratio	AI	A/B ratio	B/N ratio	AI	A/B ratio	B/N ratio	AI	A/B ratio
asthma	16.8	56.8	1.5	31.1	33.5	0.8	18.5	56.3	1.5	75.8	37.2	0.9
no asthma	19.8	58.1	1.5	25.7	35.7	0.9	15.2	58.8	1.6	39.2	35.5	0.9
THIN												
	Girls <12 yr			Girls ≥12 yr			Boys <12 yr			Boys ≥12 yr		
	B/N ratio	AI	A/B ratio	B/N ratio	AI	A/B ratio	B/N ratio	AI	A/B ratio	B/N ratio	AI	A/B ratio
asthma	0.5	72.7	8.0	0.7	71.6	6.8	0.6	73.3	7.7	0.7	73.4	7.3
no asthma	0.5	73.3	9.0	0.6	72.0	7.7	0.5	74.4	8.5	0.6	73.1	7.9

**Table 4–** Quality indicators for prescriptions for lower respiratory tract infections, stratified for age and gender

Broad/Narrow (B/N) ratio: (j01CR j01DC, j01DD, j01F(except j01FA01))/(j01CE, J01DB, J01FA01)

Amoxicillin Index (AI): J01CA04/J01

Amoxicillin/Broad (A/B) ratio: J01CA04/ (J01CR, J01DC, J01DD, J01F (except j01FA01)

J01CA04: Amoxicillin

J01CE: Beta-lactamase sensitive penicillins

J01CR: combinations of penicillins

J01DB: 1st generation cephalosporins

J01DC: 2nd generation cephalosporins

J01DD: 3rd generation cephalosporins

J01F: macrolides, lincosamides and streptogramins

J01FA01: erythromycin