

Sýklalyfjanæmi 2018

Frá og með 2018 eru skimunarsýni (MÓSA, BBL, VÓE) ekki lengur höfð með í þessa úttekt. Þetta ár er því ekki alveg sambærilegt við 2017 fyrir *Staphylococcus aureus*, *Escherichia coli* og *Enterobacteriaceae* aðrar en *E. coli*. Ástæðan er sú að talið var að skimunarsýni væru orðin svo mörg að þau væri farin að sýna farska aukningu á MÓSA og ESBL myndandi *E. coli* og *Enterobacteriaceae*. Skimunarsýnin voru því fjarlægð úr gögnunum áður en ónæmishlutfallið var gert upp nú í ár. Þannig lítur út fyrir að næmi fyrir cefoxitin hafi aukist hjá *S. aureus*, og cefpodoxime og ceftriaxone næmi hjá *E. coli* og *Enterobacteriaceae*, á meðan að í raun hefði orðið smávægileg aukning á ónæmi ef ekkert hefði verið gert. Við teljum að með þessum breytingum endurspeglar niðurstöður ársins betur raunverulega stöðu.

Tölur ná yfir tímabilið frá 1. janúar til 31. desember.

Endurteknar ræktanir frá sama einstaklingi eru útilokaðar.

Næmisprófsstaðlar frá EUCAST voru teknir í notkun í mars 2012

Staphylococcus aureus

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Penicillin G	81%	0%	19%	81%	0%	19%	0%	0%	0%	2057	2112
Cefoxitine ^{1 2}	3%	0%	97%	6%	0%	94%	-3%	0%	3%	2058	2142
Erythromycin	12%	0%	88%	14%	<1%	86%	-2%	<1%	2%	1818	1888
Clindamycin	12%	<1%	88%	13%	<1%	87%	-1%	<1%	1%	1818	1888

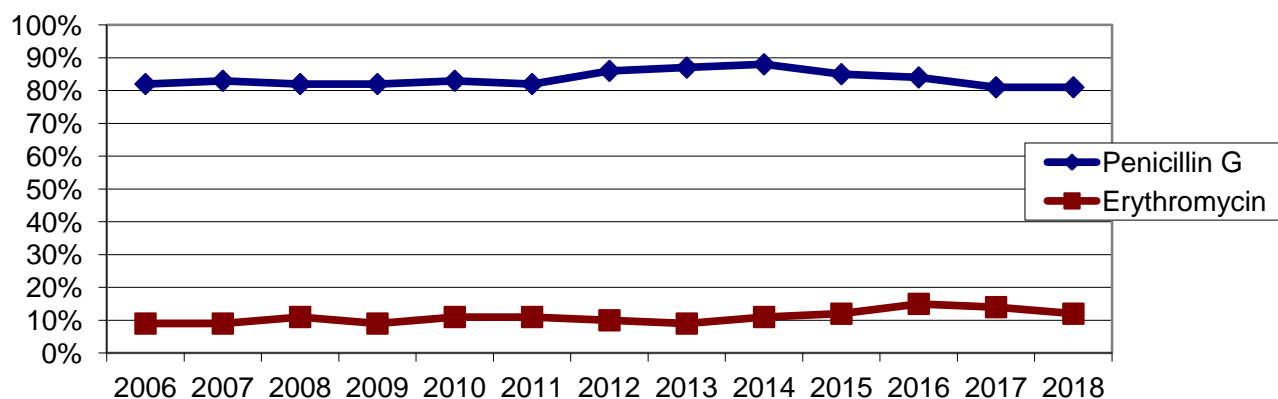
	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali legudeildir											
Penicillin G	82%	0%	18%	83%	0%	17%	-1%	0%	1%	991	1041
Cefoxitine ^{1 2}	3%	0%	97%	6%	0%	94%	-3%	0%	3%	992	1052
Erythromycin	11%	1%	88%	15%	<1%	85%	-4%	<1%	3%	917	972
Clindamycin	11%	1%	88%	13%	1%	86%	-2%	0%	2%	917	972

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aðrir											
Penicillin G	81%	0%	19%	80%	0%	20%	1%	0%	-1%	1066	1071
Cefoxitine ^{1 2}	3%	0%	97%	6%	0%	94%	-3%	0%	3%	1066	1090
Erythromycin	13%	<1%	87%	14%	<1%	86%	-1%	<1%	1%	901	916
Clindamycin	12%	<1%	88%	12%	<1%	88%	0%	<1%	0%	901	916

¹Betra næmi árið 2018 miðað við 2017 endurspeglar ekki jákvæða þróun, heldur er búið að taka út öll skimunarsýni.

²Lyf notað til að prófa næmi fyrir staphylókokka penisillínnum (cloxacillin, dicloxacillin, flucloxacillin og cefalexin)

Hlutfall ónæmra stofna (I og R) Staphylococcus aureus 2006-2018



Staphylococcus kóagúlasa neikvæður

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Cefoxitine ¹	30%	0%	70%	38%	0%	62%	-8%	0%	8%	1155	1231
Erythromycin	42%	1%	57%	43%	0%	57%	-1%	1%	0%	635	687
Clindamycin	27%	2%	71%	29%	1%	70%	-2%	1%	1%	637	688

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali legudeildir											
Cefoxitine ¹	37%	0%	63%	49%	0%	51%	-12%	0%	12%	471	598
Erythromycin	49%	<1%	51%	43%	0%	57%	6%	<1%	-6%	297	411
Clindamycin	31%	2%	67%	31%	1%	68%	0%	1%	-1%	298	412

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aðrir											
Cefoxitine ¹	25%	0%	75%	27%	0%	73%	-2%	0%	2%	684	633
Erythromycin	36%	1%	63%	43%	0%	57%	-7%	1%	6%	338	276
Clindamycin	25%	1%	74%	26%	1%	73%	-1%	0%	1%	339	276

¹Lyf notað til að prófa næmi fyrir staphylókokka penisillínnum.

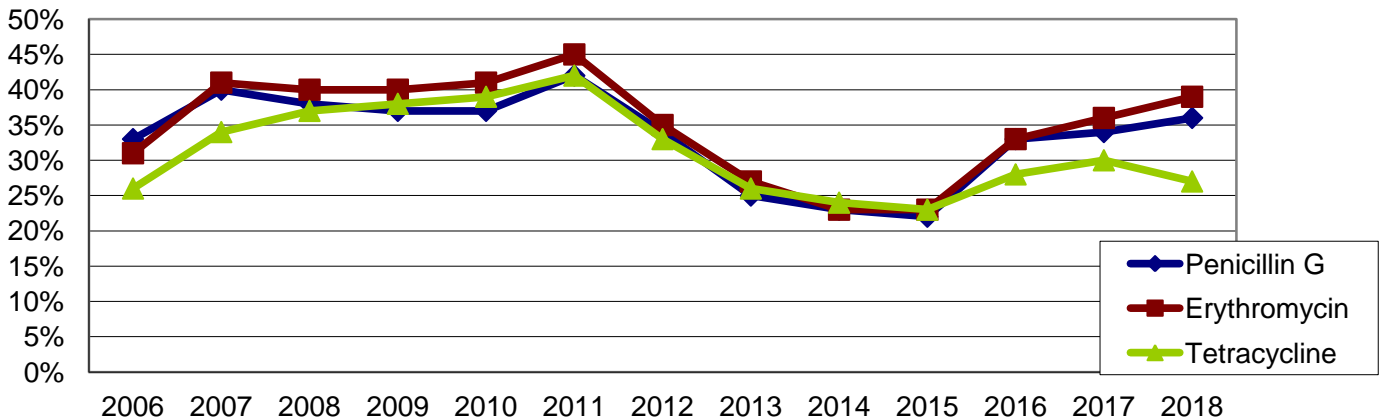
Streptococcus pneumoniae

Allir stofnar	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Penicillin G	3%	33%	64%	1%	33%	66%	2%	0%	-2%	292	249
Ceftriaxone	0%	<1%	100%	0%	1%	99%	0%	<1%	1%	292	249
Tetracycline	27%	<1%	73%	30%	<1%	70%	-3%	<1%	3%	293	249
Erythromycin	39%	0%	61%	36%	<1%	64%	3%	<1%	-3%	293	249
Chloramphenicol	1%	0%	99%	1%	0%	99%	0%	0%	0%	291	249
Trimethoprim/sulfamethoxazole	20%	2%	78%	19%	2%	79%	1%	0%	-1%	293	249

Landspítali legudeildir	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Penicillin G	2%	35%	63%	2%	40%	58%	0%	-5%	5%	94	85
Ceftriaxone	0%	0%	100%	0%	1%	99%	0%	-1%	1%	94	85
Tetracycline	19%	0%	81%	42%	0%	58%	-23%	0%	23%	94	86
Erythromycin	35%	0%	65%	47%	2%	51%	-12%	-2%	14%	94	86
Chloramphenicol	1%	0%	99%	1%	0%	99%	0%	0%	0%	94	86
Trimethoprim/sulfamethoxazole	21%	2%	77%	22%	2%	76%	-1%	0%	1%	94	86

Aðrir	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Penicillin G	3%	32%	65%	1%	29%	70%	2%	3%	-5%	198	164
Ceftriaxone	0%	<1%	100%	0%	1%	99%	0%	<1%	1%	198	164
Tetracycline	30%	<1%	70%	24%	<1%	76%	6%	<1%	-6%	199	163
Erythromycin	41%	0%	59%	30%	0%	70%	11%	0%	-11%	199	163
Chloramphenicol	1%	0%	99%	1%	0%	99%	0%	0%	0%	197	163
Trimethoprim/sulfamethoxazole	19%	3%	78%	17%	1%	82%	2%	2%	-4%	199	163

Hlutfall ónæmra stofna(I og R) Streptococcus pneumoniae 2006-2018



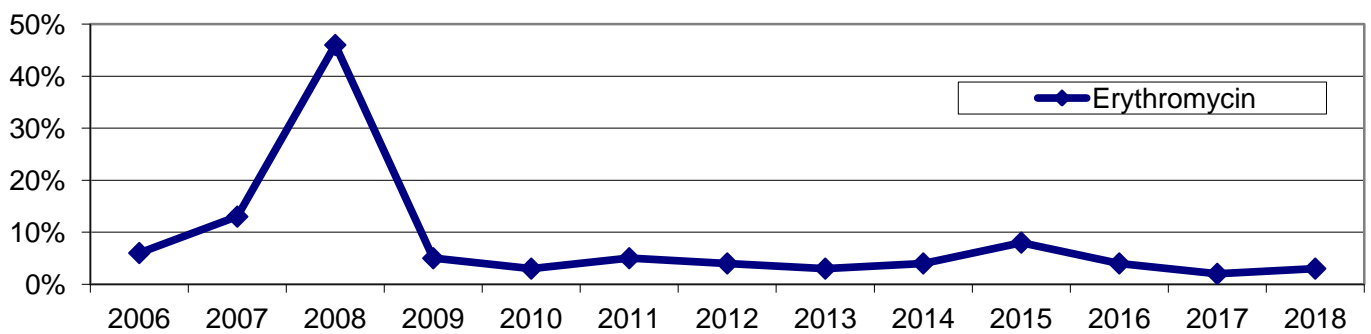
Streptococcus pyogenes

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Penicillin G	0%	0%	100%	0%	0%	100%	0%	0%	0%	330	454
Tetracycline	6%	1%	93%	6%	0%	94%	0%	1%	-1%	305	424
Erythromycin	3%	0%	97%	2%	<1%	98%	1%	<1%	-1%	305	424
Clindamycin	3%	0%	97%	2%	0%	98%	1%	0%	-1%	304	425

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali legudeildir											
Penicillin G	0%	0%	100%	0%	0%	100%	0%	0%	0%	67	92
Tetracycline	10%	0%	90%	9%	0%	91%	1%	0%	-1%	63	87
Erythromycin	5%	0%	95%	5%	0%	95%	0%	0%	0%	63	87
Clindamycin	5%	0%	95%	3%	0%	97%	2%	0%	-2%	63	87

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aðrir											
Penicillin G	0%	0%	100%	0%	0%	100%	0%	0%	0%	263	362
Tetracycline	4%	2%	94%	5%	0%	95%	-1%	2%	-1%	242	337
Erythromycin	3%	0%	97%	1%	1%	98%	2%	-1%	-1%	242	337
Clindamycin	2%	0%	98%	1%	0%	99%	1%	0%	-1%	241	338

Hlutfall ónæmra stofna (I og R) Streptococcus pyogenes 2006-2018



Enterococcus faecalis

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Ampicillin	1%	0%	99%	2%	1%	97%	-1%	-1%	2%	1100	1147
Gentamicin ¹	15%	0%	85%	11%	0%	89%	4%	0%	-4%	1099	1146
Nitrofurantoin	0%	0%	100%	1%	0%	99%	-1%	0%	1%	995	687
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	1103	1146

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali legudeildir											
Ampicillin	2%	0%	98%	4%	1%	95%	-2%	-1%	3%	436	479
Gentamicin ¹	21%	0%	79%	15%	0%	85%	6%	0%	-6%	437	480
Nitrofurantoin	0%	0%	100%	0%	0%	100%	0%	0%	0%	361	264
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	438	480

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali bráðamóttökur, Læknastofur, Heilsugæslur og aðrar sjúkrastofnanir											
Ampicillin	1%	<1%	99%	1%	0%	99%	0%	<1%	0%	604	612
Gentamicin ¹	11%	0%	89%	8%	0%	92%	3%	0%	-3%	602	610
Nitrofurantoin	0%	0%	100%	1%	0%	99%	-1%	0%	1%	575	384
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	605	610

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Öldrunarstofnanir											
Ampicillin	0%	0%	100%	2%	2%	96%	-2%	-2%	4%	60	56
Gentamicin ¹	12%	0%	88%	12%	0%	88%	0%	0%	0%	60	56
Nitrofurantoin	0%	0%	100%	0%	0%	100%	0%	0%	0%	59	39
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	60	56

¹Gentamicin er ekki ætlað til meðhöndlunar á enterókokkum eitt og sér. Næmi fyrir gentamicin gefur því aðeins til kynna synergy með penisillín lyfjum.

Enterococcus faecium

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Ampicillin	79%	0%	21%	85%	0%	15%	-6%	0%	6%	149	206
Gentamicin ¹	39%	0%	61%	37%	0%	63%	2%	0%	-2%	149	206
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	150	206

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali legudeildir											
Ampicillin	80%	0%	20%	86%	1%	13%	-6%	-1%	7%	113	160
Gentamicin ¹	38%	0%	62%	35%	0%	65%	3%	0%	-3%	113	160
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	114	160

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali bráðamóttökur, Læknastofur, Heilsugæslur og aðrar sjúkrastofnanir											
Ampicillin	78%	0%	22%	80%	0%	20%	-2%	0%	2%	32	40
Gentamicin ¹	38%	0%	62%	38%	0%	62%	0%	0%	0%	32	40
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	32	40

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Öldrunarstofnanir											
Ampicillin	50%	0%	50%	83%	0%	17%	-33%	0%	33%	4	6
Gentamicin ¹	75%	0%	25%	83%	0%	17%	-8%	0%	8%	4	6
Vancomycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	4	6

¹Gentamicin er ekki ætlað til meðhöndlunar á enterókokkum eitt og sér. Næmi fyrir gentamicin gefur því aðeins til kynna synergy með penisillín lyfjum.

E. coli

Allir stofnar	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Ampicillin ⁴	46%	-	54%	44%	-	56%	2%	-	-2%	7047	6938
Mecillinam ³	6%	0%	94%	6%	0%	94%	0%	0%	0%	6573	6241
Amoxicillin/clavulanic acid ^{1 4}	12%	-	88%	16%	-	84%	-4%	-	4%	3852	3978
Piperacillin/tazobactam	1%	2%	97%	1%	2%	97%	0%	0%	0%	3845	3958
Cefpodoxime ²	8%	0%	92%	9%	0%	91%	-1%	0%	1%	7045	6940
Ceftriaxone ¹	10%	<1%	90%	11%	1%	88%	-1%	<1%	2%	3854	3964
Gentamicin	6%	<1%	94%	7%	0%	93%	-1%	<1%	1%	3851	3957
Trimethoprim ³	23%	0%	77%	21%	<1%	79%	2%	<1%	-2%	6577	6247
Nitrofurantoin ³	2%	0%	98%	2%	0%	98%	0%	0%	0%	6572	6236
Ciprofloxacin	18%	2%	80%	17%	1%	82%	1%	1%	-2%	3874	3975
Cefalexin ³	8%	0%	92%	8%	0%	92%	0%	0%	0%	6579	6253

Landspítali legudeildir	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Ampicillin ⁴	45%	-	55%	46%	-	54%	-1%	-	1%	1788	1891
Mecillinam ³	6%	0%	94%	7%	<1%	93%	-1%	<1%	1%	1544	1485
Amoxicillin/clavulanic acid ^{1 4}	10%	-	90%	16%	-	84%	-6%	-	6%	1769	1884
Piperacillin/tazobactam	1%	2%	97%	1%	2%	97%	0%	0%	0%	1770	1881
Cefpodoxime ²	9%	0%	91%	14%	0%	86%	-5%	0%	5%	1787	1895
Ceftriaxone ¹	7%	<1%	93%	10%	<1%	90%	-3%	<1%	3%	1771	1882
Gentamicin	6%	<1%	94%	6%	<1%	94%	0%	<1%	0%	1770	1883
Trimethoprim ³	24%	<1%	76%	20%	<1%	80%	4%	<1%	-4%	1544	1482
Nitrofurantoin ³	3%	0%	97%	2%	<1%	98%	1%	<1%	-1%	1544	1482
Ciprofloxacin	15%	3%	82%	16%	1%	83%	-1%	2%	-1%	1772	1879
Cefalexin ³	9%	0%	91%	11%	0%	89%	-2%	0%	2%	1544	1485

Landspítali bráðamóttökur, Læknastofur, Heilsugæslur og aðrar sjúkrastofnanir	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Ampicillin ⁴	45%	-	55%	42%	-	58%	3%	-	-3%	4904	4687
Mecillinam ³	6%	0%	94%	5%	0%	95%	1%	0%	-1%	4682	4406
Cefpodoxime ²	7%	0%	93%	8%	0%	92%	-1%	0%	1%	4903	4685
Trimethoprim ³	22%	0%	78%	21%	0%	79%	1%	0%	-1%	4683	4414
Nitrofurantoin ³	2%	0%	98%	2%	<1%	98%	0%	<1%	0%	4679	4404
Ciprofloxacin	19%	2%	79%	17%	1%	82%	2%	1%	-3%	2035	2040
Cefalexin ³	7%	0%	93%	7%	0%	93%	0%	0%	0%	4685	4418

Öldrunarstofnanir	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Ampicillin ⁴	52%	-	48%	49%	-	51%	3%	-	-3%	355	360
Mecillinam ³	8%	0%	92%	8%	0%	92%	0%	0%	0%	347	350
Cefpodoxime ²	10%	0%	90%	6%	0%	94%	4%	0%	-4%	355	360
Trimethoprim ³	25%	0%	75%	22%	0%	78%	3%	0%	-3%	350	351
Nitrofurantoin ³	5%	0%	95%	5%	1%	94%	0%	-1%	1%	349	350
Cefalexin ³	12%	0%	88%	9%	0%	91%	3%	0%	-3%	350	350

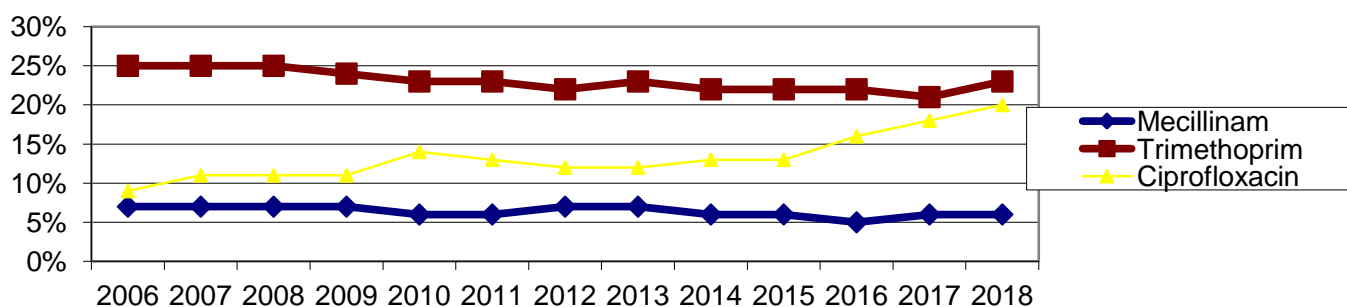
¹Betra næmi árið 2018 miðað við 2017 endurspeglar ekki jákvæða þróun, heldur er búið að taka út öll skimunarsýni

²Lyf notað til skimunar fyrir breiðvirkum beta-laktamösum (ESBL)

³ Á bara við um þvagsýni

⁴ Samkvæmt EUCAST staðli er ekki gert ráð fyrir minnkuðu næmi (I) hjá ampicillin og amoxicillin/clavulanic acid

Hlutfall ónæmra stofna (I og R) E.coli 2006-2018



E. coli aldurstengd gögn

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aldur 0-19 ára											
Ampicillin	45%	-	55%	44%	-	56%	1%	-	-1%	819	771
Mecillinam ³	6%	0%	94%	4%	0%	96%	2%	0%	-2%	772	704
Cefpodoxime ^{1 2}	3%	0%	97%	7%	0%	93%	-4%	0%	4%	819	770
Trimethoprim ³	22%	<1%	78%	19%	<1%	81%	3%	<1%	-3%	771	705
Nitrofurantoin ³	<1%	0,0%	100%	1%	<1%	99%	<1%	<1%	1%	771	704
Ciprofloxacin	8%	1%	91%	7%	1%	92%	1%	0%	-1%	431	430
Cefalexin ³	4%	0%	96%	5%	0%	95%	-1%	0%	1%	771	706

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aldur 20-59 ára											
Ampicillin	44%	-	56%	43%	-	57%	1%	-	-1%	2125	2194
Mecillinam ³	5%	0%	95%	5%	0%	95%	0%	0%	0%	1933	1920
Cefpodoxime ^{1 2}	7%	0%	93%	9%	0%	91%	-2%	0%	2%	2124	2195
Trimethoprim ³	22%	0%	78%	19%	0%	81%	3%	0%	-3%	1933	1921
Nitrofurantoin ³	1%	0%	99%	1%	<1%	99%	0%	<1%	0%	1932	1921
Ciprofloxacin	15%	3%	82%	14%	1%	85%	1%	2%	-3%	1026	1127
Cefalexin ³	7%	0%	93%	6%	0%	94%	1%	0%	-1%	1934	1924

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aldur 60 ára og eldri											
Ampicillin	47%	-	53%	44%	-	56%	3%	-	-3%	4099	3968
Mecillinam	7%	0%	93%	7%	0%	93%	0%	0%	0%	3864	3616
Cefpodoxime ^{1 2}	8%	0%	92%	10%	0%	90%	-2%	0%	2%	4098	3970
Trimethoprim ³	23%	0%	77%	22%	<1%	78%	1%	<1%	-1%	3869	3620
Nitrofurantoin ³	3%	0%	97%	3%	0%	97%	0%	0%	0%	3865	2474
Ciprofloxacin	20%	3%	77%	20%	1%	79%	0%	2%	-2%	2413	2414
Cefalexin ³	9%	0%	91%	9%	0%	91%	0%	0%	0%	3869	3622

¹Betra næmi árið 2018 miðað við 2017 endurspeglar ekki jákvæða þróun, heldur er búið að taka út öll skimunarsýni

²Lyf notað til skimunar fyrir breiðvirkum beta-laktamösum (ESBL)

³Á aðeins við um þvagsýni

Enterobacteriaceae aðrar en E.coli

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Ampicillin	85%	0%	15%	86%	0%	14%	-1%	0%	1%	2263	2849
Mecillinam ³	7%	<1%	93%	7%	0%	93%	0%	<1%	0%	1196	1291
Amoxicillin/clavulanic acid ¹	40%	0%	60%	46%	0%	54%	-6%	0%	6%	1688	2192
Cefpodoxime ^{1 2}	12%	0%	88%	21%	0%	79%	-9%	0%	9%	2252	2829
Ceftriaxone ¹	7%	1%	92%	13%	2%	85%	-6%	-1%	7%	1750	2252
Gentamicin	3%	<1%	97%	4%	<1%	96%	-1%	<1%	1%	1682	2178
Trimethoprim ³	22%	2%	76%	25%	2%	73%	-3%	0%	3%	1717	1932
Ciprofloxacin	9%	3%	88%	6%	2%	92%	3%	1%	-4%	1753	2250
Cefalexin ³	26%	0%	74%	28%	<1%	72%	-2%	<1%	2%	1718	1938

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali legudeildir											
Ampicillin	89%	0%	11%	92%	<1%	8%	-3%	<1%	3%	885	1213
Mecillinam ³	6%	<1%	94%	6%	0%	94%	0%	<1%	0%	376	371
Amoxicillin/clavulanic acid ¹	39%	0%	61%	50%	0%	50%	-11%	0%	11%	873	1199
Cefpodoxime ^{1 2}	15%	0%	85%	31%	0%	69%	-16%	0%	16%	881	1203
Ceftriaxone ¹	8%	3%	89%	18%	2%	80%	-10%	1%	9%	877	1199
Gentamicin	2%	0%	98%	3%	<1%	97%	-1%	<1%	1%	868	1191
Trimethoprim ³	24%	3%	73%	25%	3%	73%	-1%	0%	0%	560	600
Ciprofloxacin	6%	4%	90%	5%	2%	93%	1%	2%	-3%	877	1197
Cefalexin ³	30%	0%	70%	33%	0%	67%	-3%	0%	3%	560	601

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali bráðamóttökur, Læknastofur, Heilsugæslur og aðrar sjúkrastofnanir											
Ampicillin	84%	0%	16%	84%	0%	16%	0%	0%	0%	1225	1420
Mecillinam ³	7%	0%	93%	8%	0%	92%	-1%	0%	1%	706	752
Amoxicillin/clavulanic acid ¹	41%	0%	59%	41%	0%	59%	0%	0%	0%	761	914
Cefpodoxime ^{1 2}	10%	0%	90%	14%	0%	86%	-4%	0%	4%	1219	1411
Ceftriaxone ¹	5%	<1%	95%	8%	1%	91%	-3%	<1%	4%	819	973
Gentamicin	3%	<1%	97%	4%	0%	96%	-1%	<1%	1%	760	907
Trimethoprim ³	19%	2%	79%	23%	2%	75%	-4%	0%	4%	1007	1121
Ciprofloxacin	10%	2%	88%	7%	2%	91%	3%	0%	-3%	820	971
Cefalexin ³	24%	0%	76%	26%	<1%	74%	-2%	<1%	2%	1008	1126

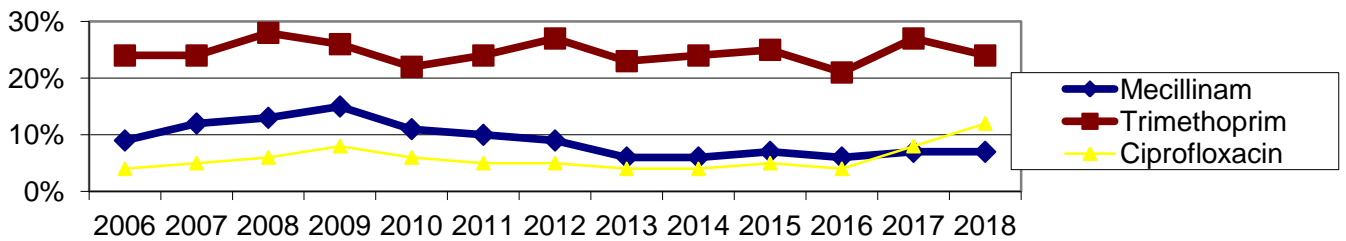
	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Öldrunarstofnanir											
Ampicillin	65%	0%	35%	67%	0%	33%	-2%	0%	2%	153	216
Mecillinam ³	7%	0%	93%	8%	0%	92%	-1%	0%	1%	114	168
Cefpodoxime ^{1 2}	10%	0%	90%	9%	0%	91%	1%	0%	-1%	152	215
Trimethoprim ³	36%	1%	63%	38%	1%	61%	-2%	0%	2%	150	211
Cefalexin ³	23%	0%	77%	22%	0%	78%	1%	0%	-1%	150	211

¹Betra næmi árið 2018 miðað við 2017 endurspeglar ekki jákvæða þróun, heldur er búið að taka út öll skimunarsýni

² Lyf notað til skimunar fyrir breiðvirkum beta-laktámösum (ESBL)

³ Á aðeins við um þvagsýni. Mecillinam næmisviðmiðin eiga aðeins við Klebsiella sp. og Proteus mirabilis.

Hlutfall ónæmra stofna (I og R) Enterobacteriaceae aðrar en E.coli 2006-2018



Enterobacteriaceae aðrar en E.coli aldurstengd gögn

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aldur 0-19 ára											
Ampicillin	83%	0%	17%	86%	0%	14%	-3%	0%	3%	125	201
Mecillinam ³	0%	0%	100%	0%	0%	100%	0%	0%	0%	57	42
Amoxicillin/clavulanic acid ¹	50%	0%	50%	67%	0%	33%	-17%	0%	17%	88	171
Cefpodoxime ^{1 2}	12%	0%	88%	36%	0%	64%	-24%	0%	24%	125	197
Ceftriaxone ¹	3%	2%	95%	23%	3%	74%	-20%	-1%	21%	97	177
Gentamicin	1%	0%	99%	2%	0%	98%	-1%	0%	1%	88	170
Trimethoprim ³	15%	0%	85%	21%	0%	79%	-6%	0%	6%	93	81
Ciprofloxacin	3%	3%	94%	4%	1%	95%	-1%	2%	-1%	97	177
Cefalexin ³	29%	0%	71%	39%	0%	61%	-10%	0%	10%	93	82

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aldur 20-59 ára											
Ampicillin	85%	0%	15%	87%	<1%	13%	-2%	<1%	2%	516	633
Mecillinam ³	6%	0%	94%	5%	0%	95%	1%	0%	-1%	217	223
Amoxicillin/clavulanic acid ¹	42%	0%	58%	49%	0%	51%	-7%	0%	7%	369	464
Cefpodoxime ^{1 2}	10%	0%	90%	19%	0%	81%	-9%	0%	9%	514	627
Ceftriaxone ¹	6%	1%	93%	12%	2%	86%	-6%	-1%	7%	401	501
Gentamicin	2%	0%	98%	3%	<1%	97%	-1%	<1%	1%	367	460
Trimethoprim ³	18%	3%	79%	19%	3%	78%	-1%	0%	1%	326	371
Ciprofloxacin	10%	3%	87%	6%	2%	92%	4%	1%	-5%	402	496
Cefalexin ³	25%	0%	75%	30%	0%	70%	-5%	0%	5%	327	374

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Aldur 60 ára og eldri											
Ampicillin	84%	0%	16%	86%	0%	14%	-2%	0%	2%	1620	2015
Mecillinam ³	7%	<1%	93%	7%	0%	93%	0%	<1%	0%	922	1026
Amoxicillin/clavulanic acid ¹	38%	0%	62%	43%	0%	57%	-5%	0%	5%	1229	1557
Cefpodoxime ^{1 2}	12%	0%	88%	20%	0%	80%	-8%	0%	8%	1611	2005
Ceftriaxone ¹	7%	2%	91%	12%	2%	86%	-5%	0%	5%	1250	1574
Gentamicin	3%	<1%	97%	4%	<1%	96%	-1%	<1%	1%	1225	1548
Trimethoprim ³	24%	2%	74%	27%	2%	71%	-3%	0%	3%	1297	1480
Ciprofloxacin	9%	3%	88%	6%	2%	92%	3%	1%	-4%	1251	1576
Cefalexin ³	26%	0%	74%	27%	<1%	73%	-1%	<1%	1%	1297	1482

¹Betra næmi árið 2018 miðað við 2017 endurspeglar ekki jákvæða þróun, heldur er búið að taka út öll skimunarsýni

²Lyf notað til skimunar fyrir breiðvirkum beta-laktamösom (ESBL)

³Á aðeins við um þvagsýni. Mecillinam næmisviðmið eiga aðeins við Klebsiella sp. og Proteus mirabilis

Pseudomonas aeruginosa

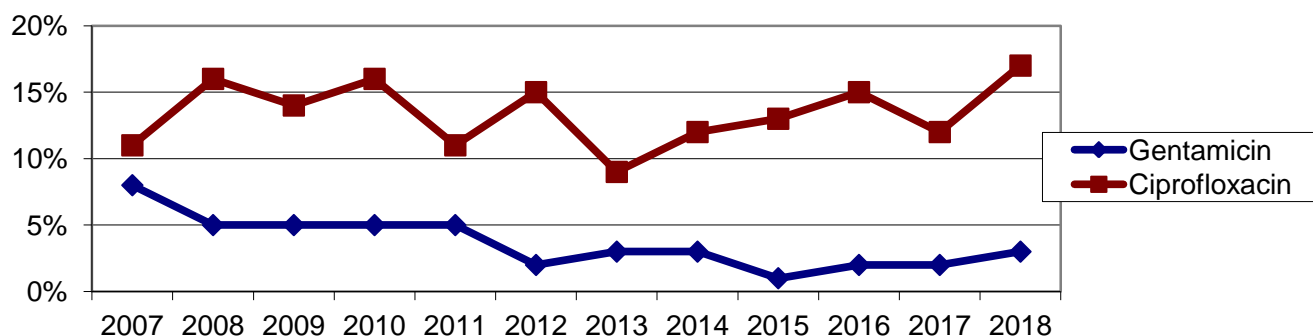
	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Piperacillin	9%	0%	91%	9%	0%	91%	0%	0%	0%	553	613
Ceftazidime	7%	0%	93%	7%	0%	93%	0%	0%	0%	552	575
Meropenem	5%	5%	90%	3%	3%	94%	2%	2%	-4%	552	613
Gentamicin	3%	0%	97%	2%	0%	98%	1%	0%	-1%	552	613
Tobramycin	<1%	0%	100%	<1%	0%	100%	<1%	0%	0%	552	612
Ciprofloxacin	17%	0%	83%	11%	1%	88%	6%	-1%	-5%	552	612

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali legudeildir											
Piperacillin	11%	0%	89%	10%	0%	90%	1%	0%	-1%	274	315
Ceftazidime	9%	0%	91%	8%	0%	92%	1%	0%	-1%	274	299
Meropenem	8%	6%	86%	4%	2%	94%	4%	4%	-8%	274	315
Gentamicin	3%	0%	97%	2%	0%	98%	1%	0%	-1%	274	315
Tobramycin	<1%	0%	100%	0%	0%	100%	<1%	0%	0%	274	315
Ciprofloxacin	19%	0%	81%	12%	1%	87%	7%	-1%	-6%	273	314

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Landspítali bráðamóttökur, Læknastofur, Heilsugæslur og aðrar sjúkrastofnanir											
Piperacillin	8%	0%	92%	8%	0%	92%	0%	0%	0%	246	263
Ceftazidime	5%	0%	95%	5%	0%	95%	0%	0%	0%	245	242
Meropenem	3%	3%	94%	3%	5%	93%	0%	-2%	1%	245	263
Gentamicin	2%	0%	98%	2%	0%	98%	0%	0%	0%	245	263
Tobramycin	<1%	0%	100%	<1%	0%	100%	<1%	0%	0%	245	263
Ciprofloxacin	16%	0%	84%	8%	2%	90%	8%	-2%	-6%	246	263

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Öldrunarstofnanir											
Piperacillin	3%	0%	97%	3%	0%	97%	0%	0%	0%	33	35
Ceftazidime	3%	0%	97%	0%	0%	100%	3%	0%	-3%	33	34
Meropenem	0%	12%	88%	0%	6%	94%	0%	6%	-6%	33	35
Gentamicin	0%	0%	100%	0%	0%	100%	0%	0%	0%	33	35
Tobramycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	33	35
Ciprofloxacin	12%	0%	88%	14%	3%	83%	-2%	-3%	5%	33	35

Hlutfall ónæmra stofna (I og R) P. aeruginosa 2007-2018



Haemophilus influenzae

Allir stofnar	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Amoxicillin	22%	0%	78%	22%	0%	78%	0%	0%	0%	320	332
Amoxicillin/clavulanic sýra	15%	<1%	85%	11%	0%	89%	4%	<1%	-4%	414	311
Tetracycline	1%	<1%	99%	1%	<1%	99%	0%	<1%	0%	413	459
Trimethoprim/sulfamethoxazole	25%	3%	72%	26%	1%	73%	-1%	2%	-1%	412	459

Landspítali legudeildir	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Amoxicillin	32%	0%	68%	29%	0%	71%	3%	0%	-3%	109	96
Amoxicillin/clavulanic sýra	22%	0%	78%	8%	0%	92%	14%	0%	-14%	148	111
Tetracycline	1%	1%	98%	1%	0%	99%	0%	1%	-1%	148	141
Trimethoprim/sulfamethoxazole	27%	1%	72%	32%	0%	68%	-5%	1%	4%	148	141

Aðrir	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Amoxicillin	16%	0%	84%	19%	0%	81%	-3%	0%	3%	211	236
Amoxicillin/clavulanic sýra	11%	<1%	89%	12%	0%	88%	-1%	<1%	1%	266	200
Tetracycline	<1%	<1%	99%	1%	1%	98%	<1%	<1%	1%	265	318
Trimethoprim/sulfamethoxazole	25%	3%	72%	23%	2%	75%	2%	1%	-3%	264	318

17% stofnanna mynduðu beta-laktamasa árið 2018 og eru því ónægjandi fyrir penicillin og amoxicillin. Árið 2017 voru það 16%. Amoxicillin/clavulanic sýra virkar í flestum tilvikum á beta-laktamasamyndandi stofna.

Neisseria meningitidis

Allir stofnar	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Penicillin G	0%	0%	100%	0%	27%	73%	0%	-27%	27%	3	11
Rifampin	0%	0%	100%	0%	0%	100%	0%	0%	0%	3	10

Salmonella

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Ampicillin	42%	0%	58%	33%	0%	67%	9%	0%	-9%	64	66
Ceftriaxone	0%	0%	100%	2%	0%	98%	-2%	0%	2%	64	66
Trimethoprim/sulfamethoxazole	3%	0%	97%	11%	0%	89%	-8%	0%	8%	64	66
Ciprofloxacin	30%	0%	70%	23%	0%	77%	7%	0%	-7%	64	66

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Innlent smit											
Ampicillin	35%	0%	65%	53%	0%	47%	-18%	0%	18%	17	19
Ceftriaxone	0%	0%	100%	0%	0%	100%	0%	0%	0%	17	19
Trimethoprim/sulfamethoxazole	0%	0%	100%	0%	0%	100%	0%	0%	0%	17	19
Ciprofloxacin	6%	0%	94%	11%	0%	89%	-5%	0%	5%	17	19

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Erlent smit											
Ampicillin	47%	0%	53%	24%	0%	76%	23%	0%	-23%	32	34
Ceftriaxone	0%	0%	100%	3%	0%	97%	-3%	0%	3%	32	34
Trimethoprim/sulfamethoxazole	6%	0%	94%	18%	0%	82%	-12%	0%	12%	32	34
Ciprofloxacin	38%	0%	62%	32%	0%	68%	6%	0%	-6%	32	34

Campylobacter

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Allir stofnar											
Erythromycin	1%	0%	99%	1%	0%	99%	0%	0%	0%	142	119
Ciprofloxacin	53%	0%	47%	61%	0%	39%	-8%	0%	8%	143	119

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Innlent smit											
Erythromycin	0%	0%	100%	0%	0%	100%	0%	0%	0%	43	39
Ciprofloxacin	11%	0%	89%	15%	0%	85%	-4%	0%	4%	44	39

	2018			2017			Munur milli ára			Fjöldi 2018	Fjöldi 2017
	R	I	S	R	I	S	R	I	S		
Erlent smit											
Erythromycin	3%	0%	97%	1%	0%	99%	2%	0%	-2%	77	70
Ciprofloxacin	83%	0%	17%	86%	0%	14%	-3%	0%	3%	77	70

