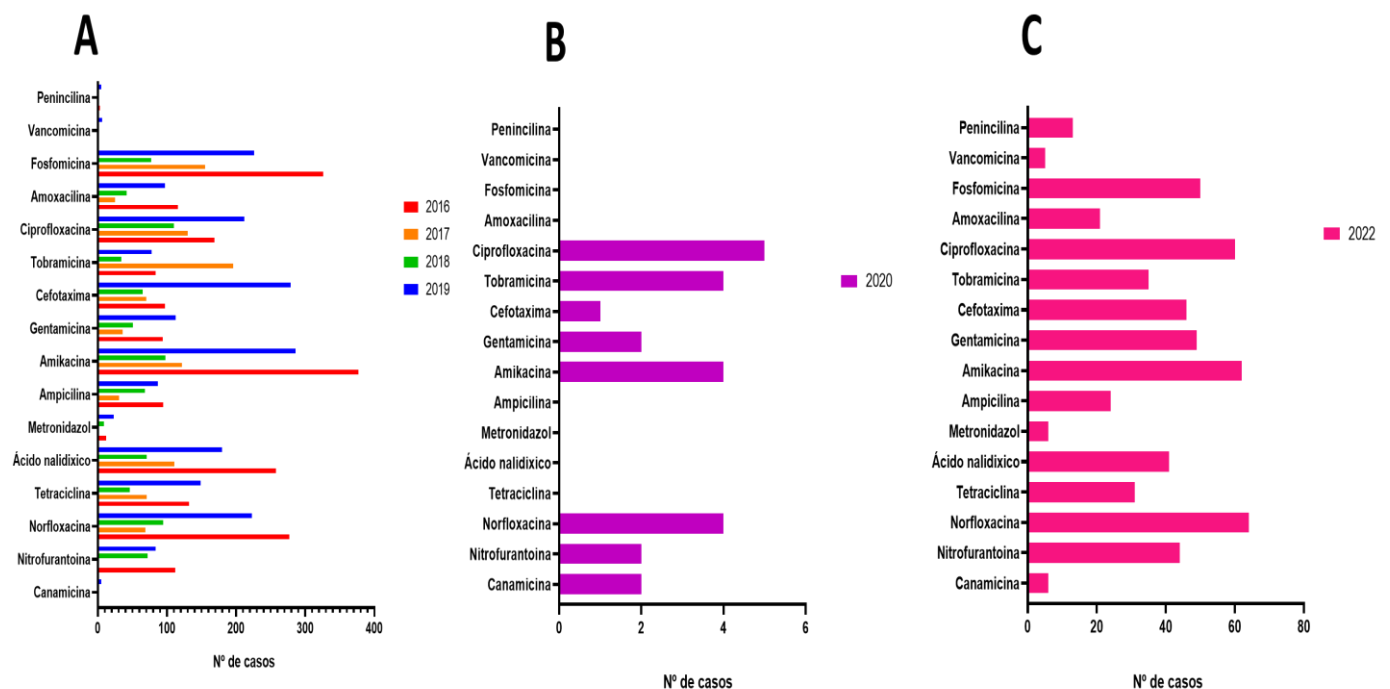


Supplementary files

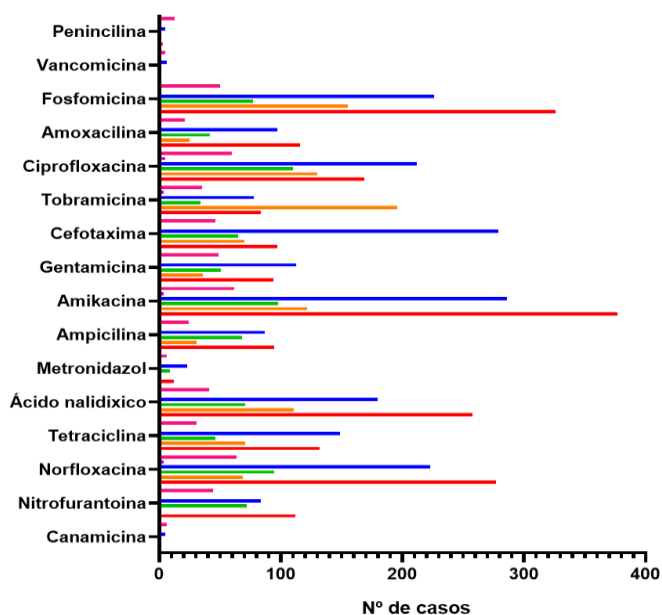
Association between *E. coli* strain and sensitivity to antibiotics identified in patients with confirmed urinary tract infections (n=2.800). Given that UTIs were predominantly caused by *E. coli* in the sample investigated, figure 4 shows the associations between the *E. coli* strain and sensitivity to antibiotics identified in patients with confirmed urinary tract infections assessed in the pre-pandemic, intra-pandemic, and post-pandemic periods (Figure 4).

With regard to *E. coli*, in the pre-pandemic period (2016 to 2019), we found that UTIs were more sensitive to amikacin (n=377), fosfomicin (n=326) and norfloxacin (n=277) in 2016; in 2017, there was greater sensitivity to tobramycin (n=196), fosfomicin (n=155) and ciprofloxacin (n=130); in 2018, there was sensitivity to ciprofloxacin (n=110), amikacin (n=98) and norfloxacin (95); finally, in 2019, amikacin (n=286), cefotaxime (n=279) and fosfomicin (n= 226) were the most sensitive antibiotics in the UTIs investigated (Figure 4A). In 2020, the most sensitive UTI antibiotic was ciprofloxacin (n=5), followed by nofloxacin, amikacin and tobramycin, which were also described in 4 cases (Figure 4B). Finally, in 2022, sensitivity to amikacin (n=64), fosfomicin (n=62) and norfloxacin (n=60) was predominant in the UTIs investigated (Figure 4C).

Figure 4: Graphical representation of the distribution of cases of *E. coli* infection stratified by antibiotic sensitivity. Caption. A. Pre-pandemic period. B. Intra-pandemic period. C. Post-pandemic period.

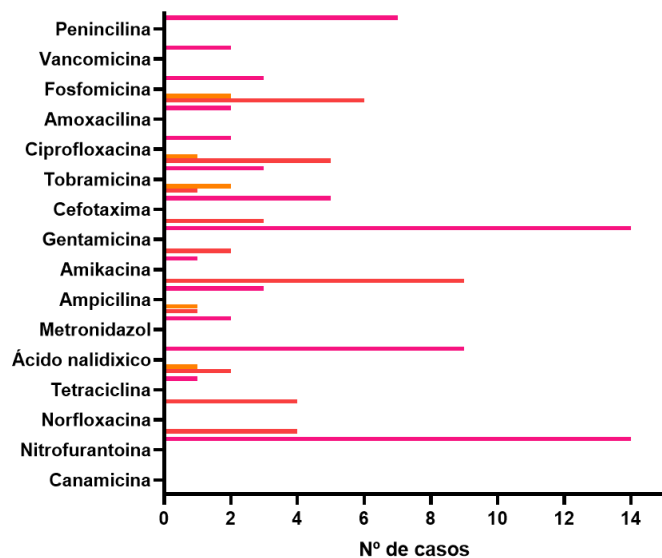


E. coli



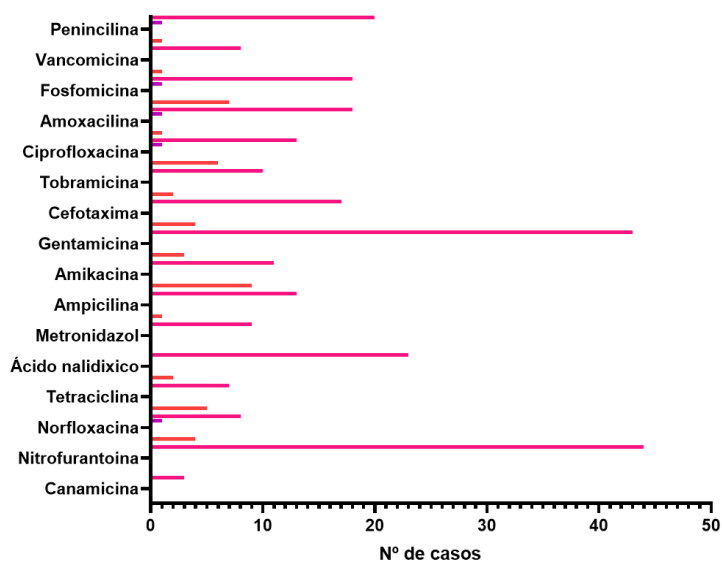
Antibióticos	2016	2017	2018	2019	2020	2022
Canamicina	1	1	0	5	2	6
Nitrofurantoina	112	0	72	84	2	44
Norfloxacina	277	69	95	223	4	64
Tetraciclina	132	71	46	149	0	31
Ácido nalidixico	258	111	71	180	0	41
Metronidazol	12	2	9	23	0	6
Ampicilina	95	31	68	87	0	24
Amikacina	377	122	98	286	4	62
Gentamicina	94	36	51	113	2	49
Cefotaxima	97	70	65	279	1	46
Tobramicina	84	196	34	78	4	35
Ciprofloxacina	169	130	110	212	5	60
Amoxacilina	116	25	42	97	0	21
Fosfomicina	326	155	77	226	0	50
Vancomicina	2	0	0	6	0	5
Penincilina	3	0	0	5	0	13

P. vulgaris



Antibióticos	2016	2017	2018	2019	2020	2022
Canamicina	0	0	0	0	0	0
Nitrofurantoina	0	0	0	0	0	14
Norfloxacina	4	0	0	0	0	0
Tetraciclina	4	0	0	0	0	1
Ácido nalidixico	2	1	0	0	0	9
Metronidazol	0	0	0	0	0	2
Ampicilina	1	1	0	0	0	3
Amikacina	9	0	0	0	0	1
Gentamicina	2	0	0	0	0	14
Cefotaxima	3	0	0	0	0	5
Tobramicina	1	2	0	0	0	3
Ciprofloxacina	5	1	0	0	0	2
Amoxacilina	0	0	0	0	0	2
Fosfomicina	6	2	0	0	0	3
Vancomicina	0	0	0	0	0	2
Penincilina	0	0	0	0	0	7

P. mirabilis



Antibióticos	2016	2017	2018	2019	2020	2022
Canamicina	0	0	0	0	0	3
Nitrofurantoina	0	0	0	0	0	44
Norfloxacina	4	0	0	0	1	8
Tetraciclina	5	0	0	0	0	7
Ácido nalidixico	2	0	0	0	0	23
Metronidazol	0	0	0	0	0	9
Ampicilina	1	0	0	0	0	13
Amikacina	9	0	0	0	0	11
Gentamicina	3	0	0	0	0	43
Cefotaxima	4	0	0	0	0	17
Tobramicina	2	0	0	0	0	10
Ciprofloxacina	6	0	0	0	1	13
Amoxacilina	1	0	0	0	1	18
Fosfomicina	7	0	0	0	1	18
Vancomicina	1	0	0	0	0	8
Penincilina	1	0	0	0	1	20