

Addendum to 2016 Susceptibility Statistics
Zuckerberg San Francisco General Hospital and Trauma Center (ZSFG) &
Laguna Honda Hospital (LHH)

➤ **Enterococcus species**

ZSFG: Vancomycin and Ampicillin Resistance

Antimicrobial	No. Isolates Tested	No. Resistant Isolates	No. of patients with resistant Enterococci (Total No. Patients = 386)
Vancomycin	497	71 [^] (14%)	44 (12%)
Ampicillin	497	84 ^{^^} (17%)	55 (15%)

[^] 30 urines, 11 blood, 6 wounds, 23 tissue/fluids, 1 other (respiratory)

^{^^} 31 urines, 12 bloods, 11 wounds, 29 tissue/fluids, 1 other (respiratory)

LHH: Vancomycin and Ampicillin Resistance

Antimicrobial	No. Isolates Tested	No. Resistant Isolates	No. of patients with resistant Enterococci (Total No. Patients = 47) 57
Vancomycin	75	13* (17%)	10 (18%)
Ampicillin	74	14** (19%)	11 (19%)

* 11 urines, 1 blood, 1 other (respiratory)

** 11 urines, 1 blood, 1 wound, 1 other (respiratory)

➤ **Extended Spectrum Beta-lactamases**

Escherichia coli, *Klebsiella pneumonia*, *Klebsiella oxytoca*, and *Proteus mirabilis* are routinely screened for extended spectrum beta-lactamases (ESBL).

Location	No. Isolates Tested	Number of Isolates Positive for ESBL	Number of patients with confirmed ESBL / Total number of patients screened
ZSFG	2489	238 [#] (10%)	159 / 1995 (8%)
LHH	292	46 ^{##} (16%)	31 / 206 (15%)

[#] 189 urines, 8 respiratory, 13 bloods, 19 tissue/fluids, 9 wounds/abscesses

^{##} 40 urines, 5 bloods, 1 other (vaginal)

Laguna Honda Hospital
URINE ISOLATES

JANUARY THROUGH DECEMBER 2016

PERCENT OF ISOLATES SUSCEPTIBLE TO ANTIMICROBIAL *

Enteric Urine Isolates	# Tested	AMP	PIPTZ	CTAZ	CZOL	CFPM	GENT	TOB	TMSX	CIPR	LEVO	NITRO	ETP
Enterobacter aerogenes	3	R	100	R	67	67	100	100	100	67	67	33	100
Enterobacter cloacae	4	R	75	R	100	75	75	75	75	75	75	100	75
Escherichia coli	104	48	98	59 [^]	81	75	89	88	69	64	67	98	99
-ESBL	25		96				84	76	48	24	28	96	96
-Non ESBL	82	63	98	77	99	99	92	92	76	74	78	98	100
Klebsiella pneumoniae	27	R	100	96 [^]	100	100	100	100	93	100	100	59	100
Morganella morganii	1	R	100	R	0	100	100	100	100	100	100	R	100
Proteus mirabilis	41	81	100	73 [^]	98	98	90	93	63	71	83	R	100
Providencia stuartii	1	R	100	R	100	100	R	R	100	100	100	R	100

Non-Enteric Urine Isolates	# Tested	PIPTZ	CTAZ	CFPM	GENT	TOB	TMSX	CIPR	LEVO	MERO
Pseudomonas aeruginosa	16	88	88	88	88	100		88	88	100

Gram Positive Urine Isolates	# Tested	AMP	AMCL	DICLOX	CZOL	CTRX	TMSX	LEVO
Staphylococcus aureus	13	23	54	54	54	54	92	15
Staphylococcus saprophyticus		Uncomplicated UTIs respond to achievable urine levels of 1st generation Cephalosporins, Nitrofurantoin, Trimeth/Sulfa, or Fluoroquinolones.						

* First isolate per patient for the organism. Statistical validity of % susceptible is decreased if fewer than 30 isolates are tested.

[^] Percent susceptible if UTI is uncomplicated

Laguna Honda Hospital
 AEROBIC ISOLATES NON-URINE SOURCES
 JANUARY THROUGH DECEMBER 2016

PERCENT OF ISOLATES SUSCEPTIBLE TO ANTIMICROBIAL*

Enteric Isolates	# Tested	AMP	PIPTZ	CZOL	CTAZ	CTRX	CFPM	GENT	TOB	TMSX	CIPR	LEVO	ETP
Enterobacter aerogenes	2	R	50	R	50	50	100	100	100	100	100	100	50
Escherichia coli	15	40	100	40	80	67	73	93	87	60	67	67	100
Klebsiella pneumoniae	9	R	89	89	89	89	89	100	100	67	89	100	89
Proteus mirabilis	14	93	100	86	100	100	100	86	93	86	71	79	100
Morganella morganii	4	R	100	R	100	75	100	75	100	50	50	50	100
Providencia stuartii	1	R	100	R	100	0	100	R	R	100	0	0	100

Non Enteric Isolates	# Tested	PIPTZ	CTAZ	CFPM	GENT	TOB	TMSX	CIPR	LEVO	MERO
Pseudomonas aeruginosa	5	100	100	100	60	100	100	60	60	60
Acinetobacter baumannii	2			50	100	100	100	100	100	100

Gram Positive & Other Isolates	# Tested	PCN	AMP	AMCL	DICLOX	CZOL	CTRX	ERYT	CLIN ^a	TET	VAN	TMSX	LEVO
Staphylococcus aureus	25	8	8	44	44	44	44	48	72	96	100	92	36
Methicillin Resistant	14	0	0	0	0	0	0	43	71	93	100	93	7
Methicillin Susceptible	11	18	18	100	100	100	100	64	82	100	100	100	73
Staphylococcus lugdunensis	1	0	0	100	100	100	100	100	100	100	100	100	0
Staphylococcus, Coagulase Negative	17	18	18	53	53	53	53	29	65	77	100	77	53
Staphylococci resistant to Dicloxacillin are resistant to PCN, AMP, AMCL, TICL, PIPITZ, Cepheems (CZOL, CTAZ, CTRX, CFPM), & Carbapenems.													
Streptococcus pneumoniae	2	100						100		100			

* First isolate per patient for the organism. Statistical validity of % susceptible is decreased if fewer than 30 isolates are tested.
^a Clindamycin results determined by two tests (MIC and inducible Clindamycin resistance test)

