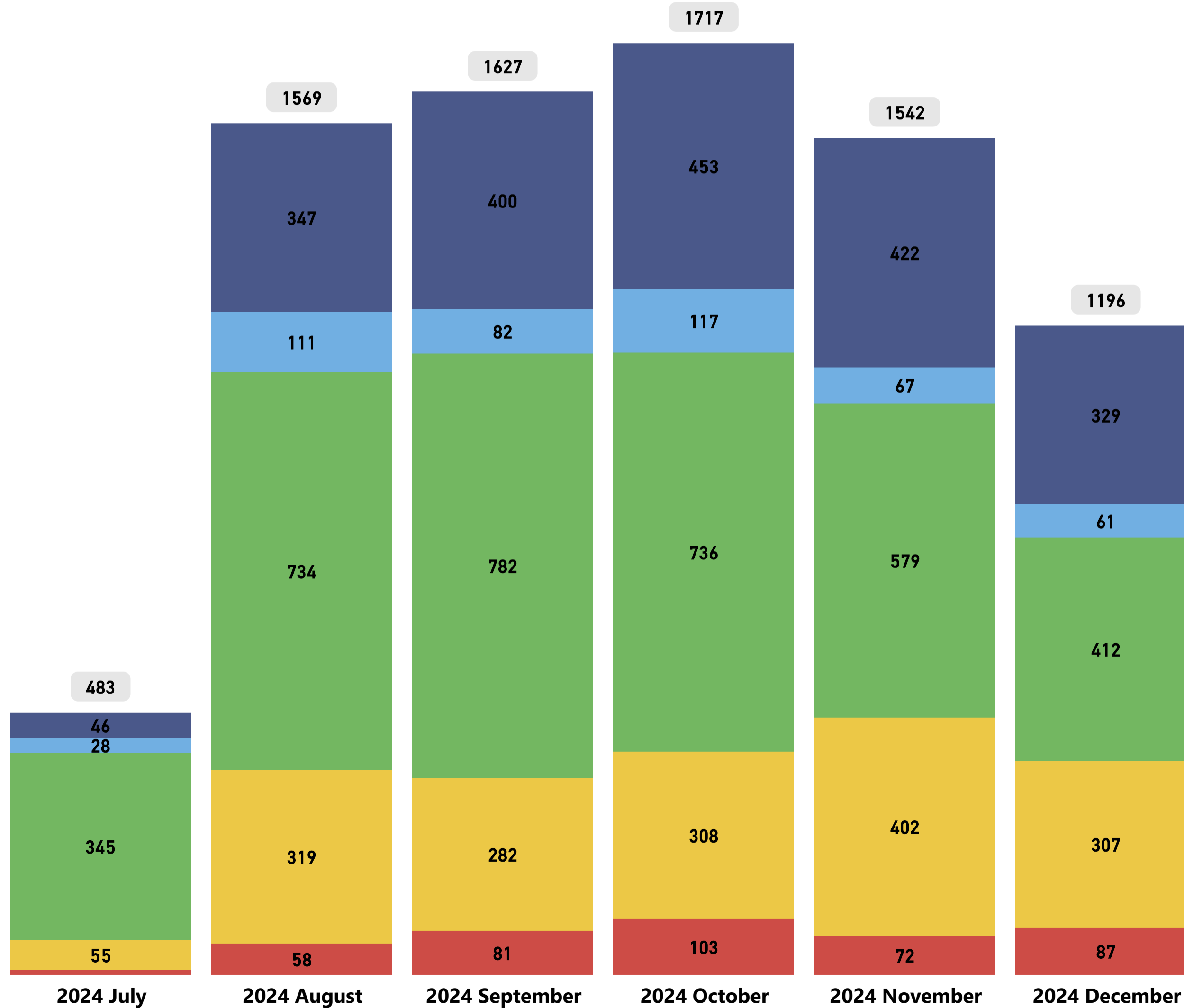


SAMPLE LAB

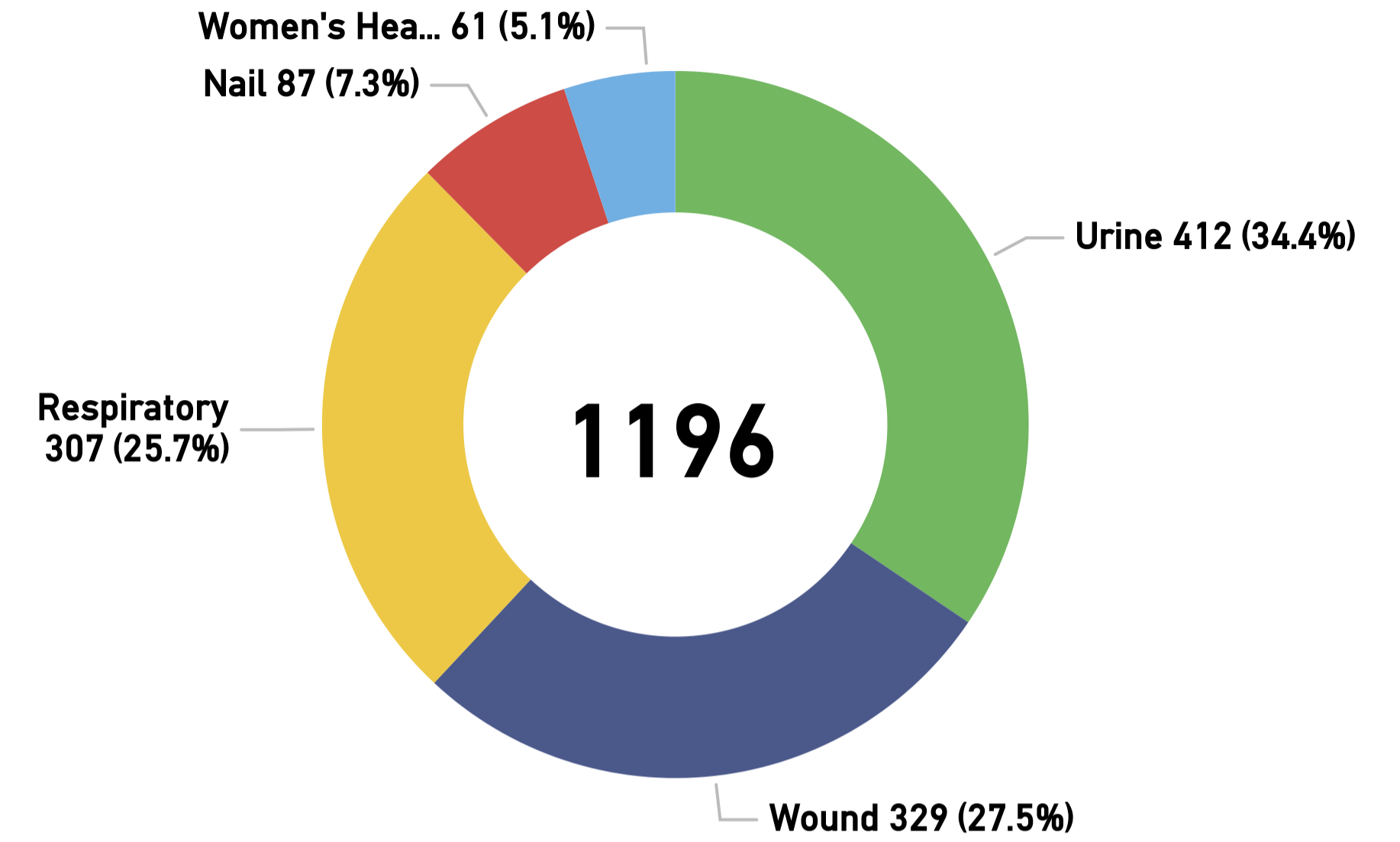
Positive Samples (Previous 6 Months)

Nail Respiratory Urine Women's Health Wound



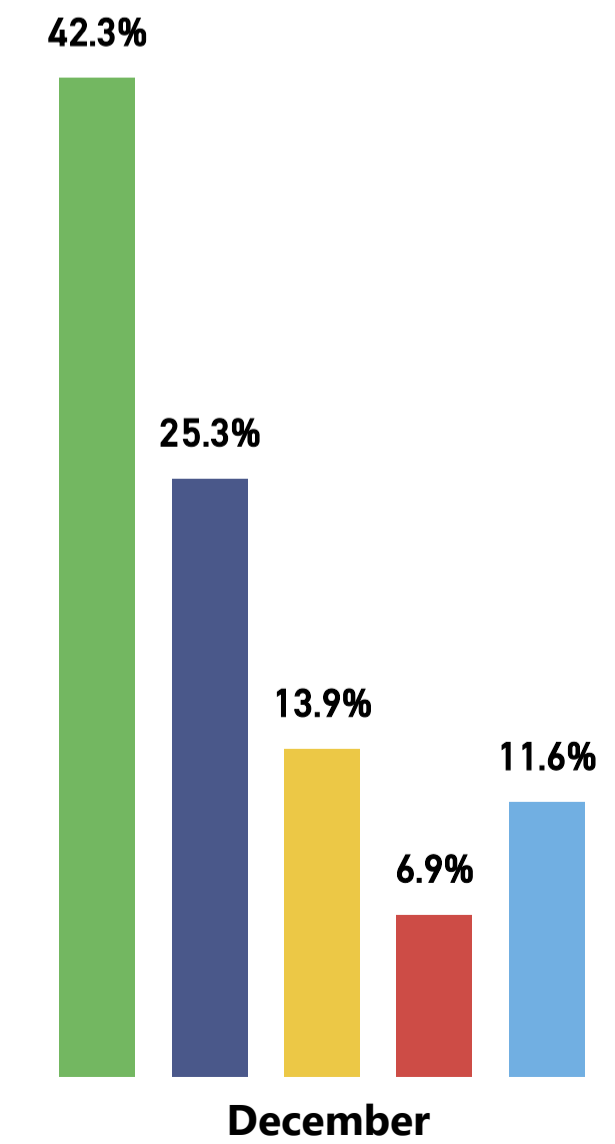
Positive Samples (December 2024)

Urine Wound Respiratory Nail Women's Health



Pathogen Amount Per Sample (December 2024)

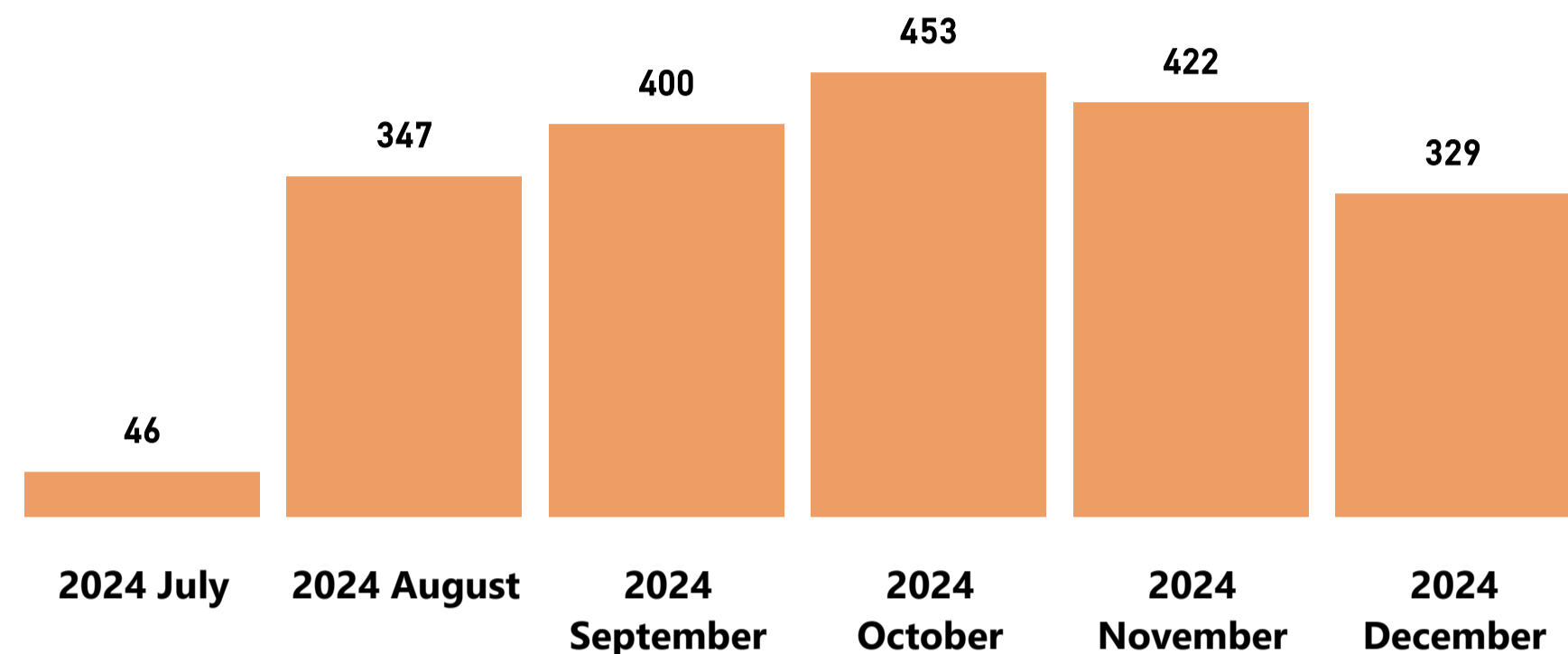
1 Pathogen 2 Pathogens 3 Pathogens 4 Pathogens 5 or more Pathogens



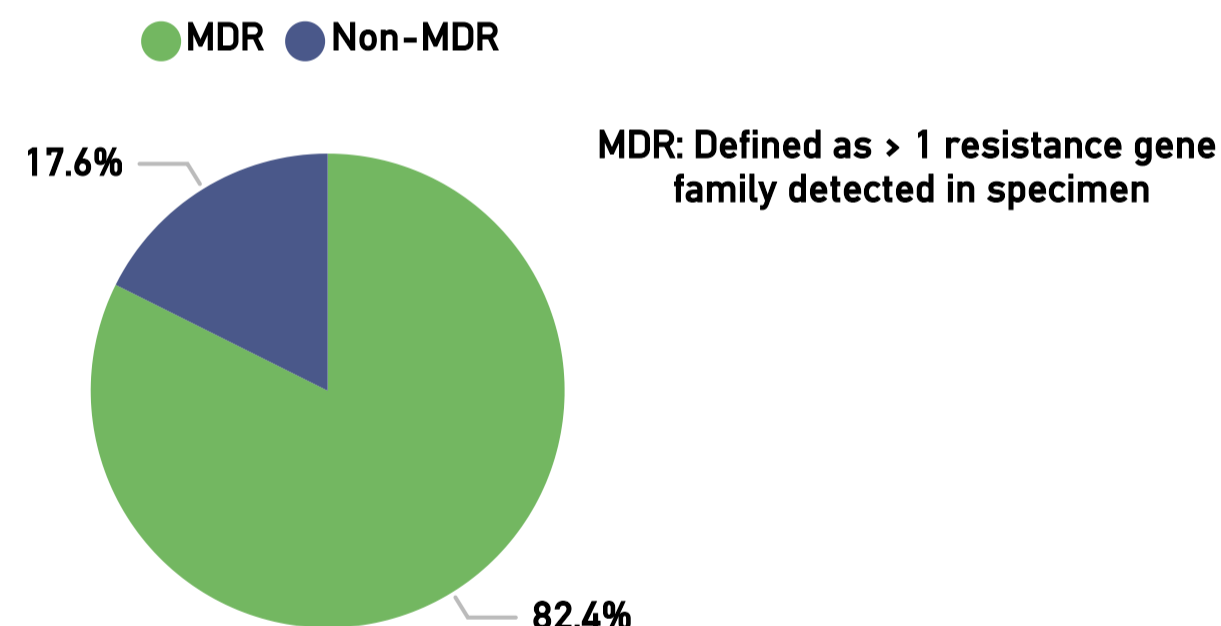
Wound

VRE: Vancomycin-Resistant Enterococcus
 CRE: Carbapenem-Resistant Enterobacteriaceae
 MRSA: Methicillin-Resistant Staphylococcus Aureus

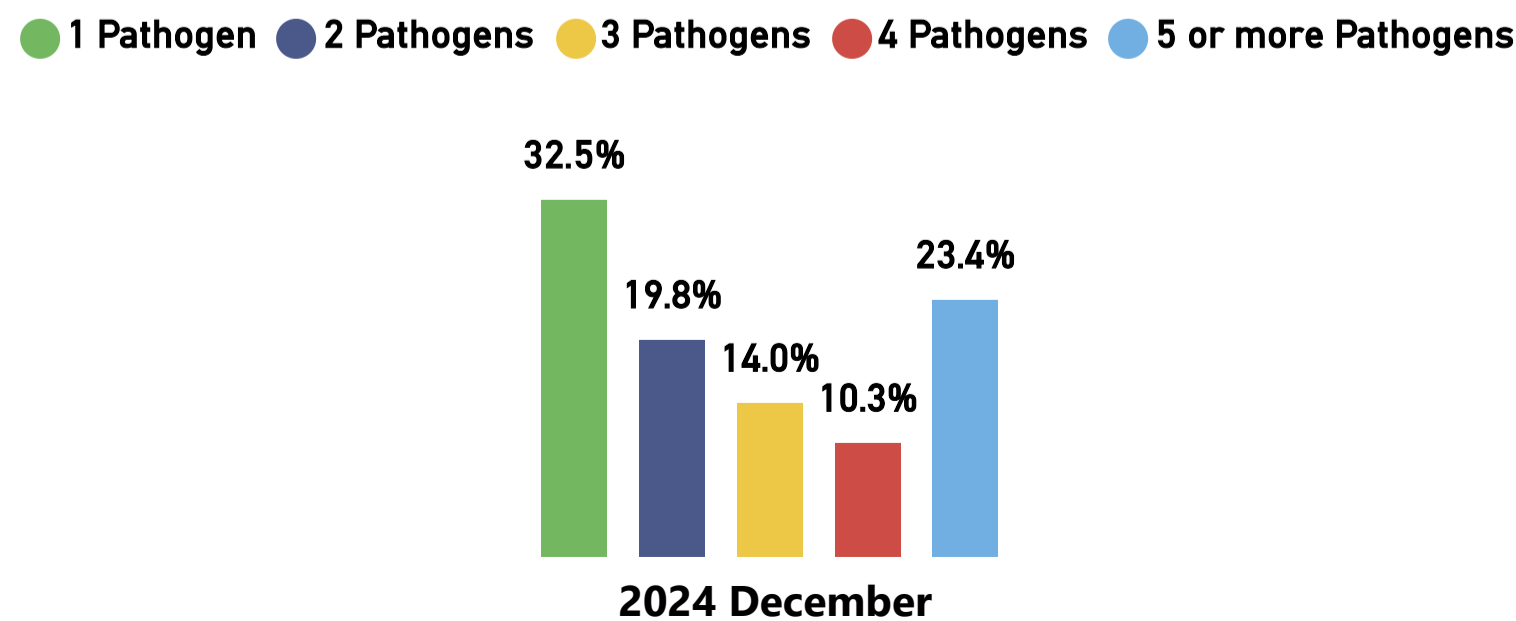
Positive Samples (Previous 6 Months)



Multi-Drug Resistant (MDR) Pathogens (December 2024)



Pathogen Amount Per Sample (December 2024)



Notable Pathogens/Resistance Genes Last 3 months

Blank = No Notable Pathogens Detected

Month	MRSA	VRE	Pseudomonas Aeruginosa	CRE
October	114	10	118	40
November	95	13	93	32
December	82	9	61	19
Total	291	32	272	91

Resistance Gene Breakdown (December 2024)

Gene Family Group	Lab	Network
Macrolide	34.15%	24.88%
Tetracycline	21.17%	15.12%
Methicillin	10.44%	20.10%
Folate reductase	9.41%	9.51%
Sulfonamide	7.90%	10.44%
ESBL	7.34%	6.50%
ampC	4.23%	2.41%
Fluoroquinolone	1.98%	3.65%
CRE	1.88%	1.53%
Vancomycin	1.03%	1.38%
CFR	0.28%	0.15%
Metronidazole	0.19%	0.10%
Aminoglycoside		3.05%
femA		1.18%

Pathogen Breakdown (December 2024)

Network percentages shown only for pathogens that are being tested for by selected lab

PathogenName	Lab	Network
Staphylococcus aureus	24.61%	22.32%
Enterococcus faecalis	15.66%	18.40%
Pseudomonas aeruginosa	10.50%	11.94%
Proteus mirabilis	9.47%	7.06%
Escherichia coli	6.37%	7.30%
Klebsiella pneumoniae	4.99%	4.64%
Enterobacter cloacae	4.48%	3.26%
Streptococcus agalactiae (Group B)	4.30%	6.69%
Morganella morganii	3.61%	2.65%
Bacteroides Fragilis	3.10%	3.74%
Serratia marcescens	3.10%	2.47%
Acinetobacter baumannii	2.93%	3.98%
Candida albicans	2.24%	1.69%
Citrobacter freundii	1.89%	1.81%
Streptococcus pyogenes (Group A)	1.72%	1.21%
Enterobacter aerogenes	0.86%	0.60%
Candida glabrata	0.17%	0.24%

Average Pathogen Amount Detected Per Sample

Lab	Network
3.02	2.54

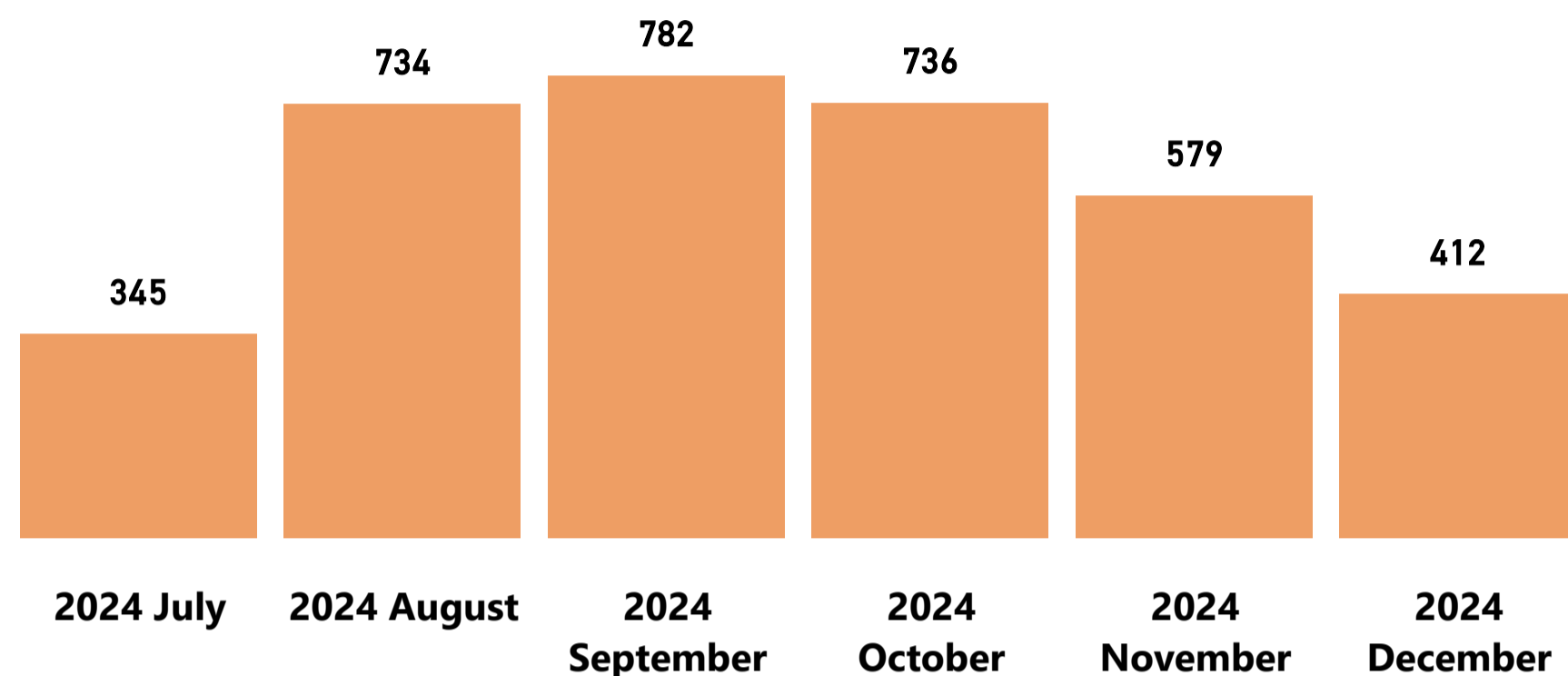
Average Resistance Gene Amount Detected Per Sample

Lab	Network
3.90	2.65

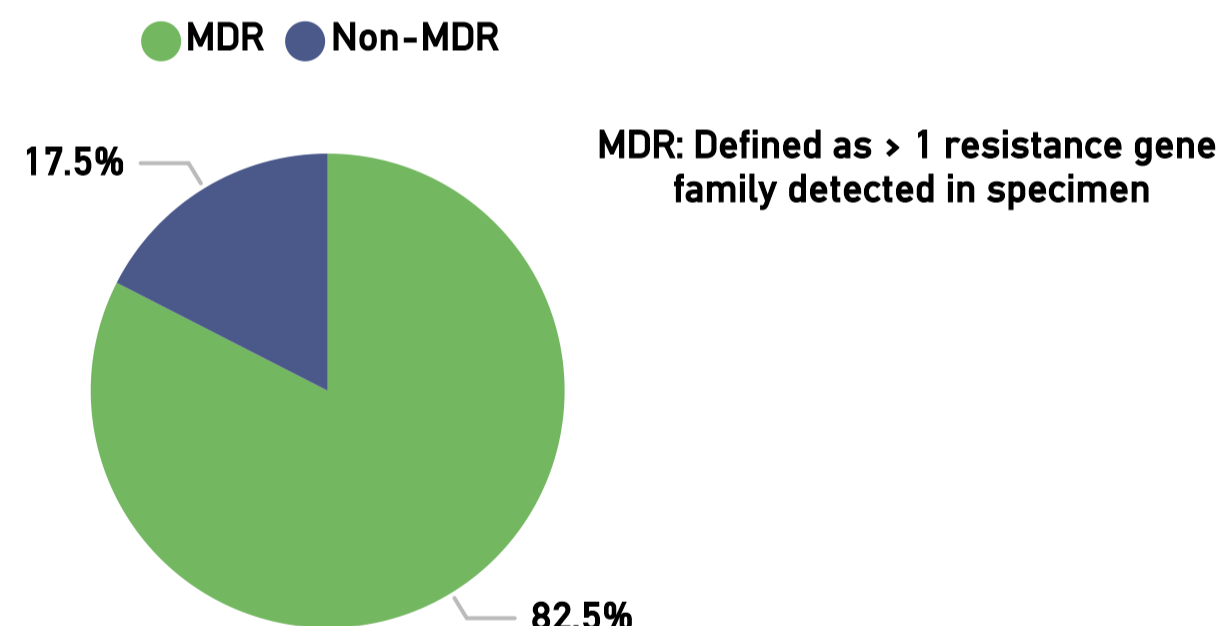
Urine

VRE: Vancomycin-Resistant Enterococcus
 CRE: Carbapenem-Resistant Enterobacteriaceae
 MRSA: Methicillin-Resistant Staphylococcus Aureus
 ESBL: Extended-Spectrum Beta-Lactamase

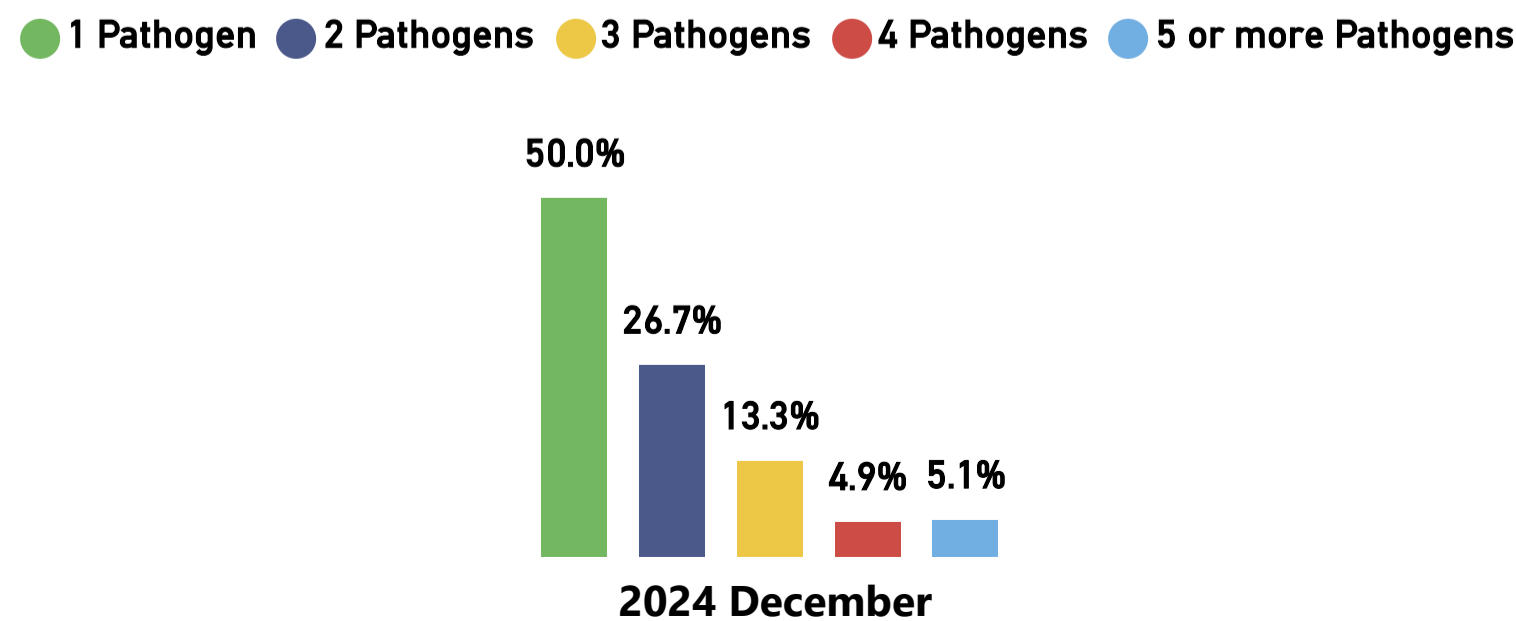
Positive Samples (Previous 6 Months)



Multi-Drug Resistant (MDR) Pathogens (December 2024)



Pathogen Amount Per Sample (December 2024)



Notable Pathogens/Resistance Genes Last 3 months

Blank = No Notable Pathogens Detected

Month	ESBL E. coli	MRSA	Pseudomonas Aeruginosa	VRE	CRE
October	148	2	25	6	7
November	118	4	22	3	4
December	75	3	9	2	1
Total	341	9	56	11	12

Resistance Gene Breakdown (December 2024)

Gene Family Group	Lab	Network
Tetracycline	52.10%	18.59%
ESBL	23.25%	14.31%
Sulfonamide	15.21%	18.17%
Fluoroquinolone	2.97%	6.99%
Folate reductase	2.97%	6.16%
ampC	2.27%	1.05%
Methicillin	0.70%	7.28%
Vancomycin	0.35%	2.48%
CRE	0.17%	1.44%
Aminoglycoside		3.26%
femA		0.26%
Fosfomycin		0.10%
Macrolide		19.91%

Pathogen Breakdown (December 2024)

Network percentages shown only for pathogens that are being tested for by selected lab

PathogenName	Lab	Network
Escherichia coli	34.17%	31.73%
Enterococcus faecalis	15.83%	20.87%
Klebsiella pneumoniae	12.50%	11.49%
Ureaplasma urealyticum	10.00%	2.00%
Mycoplasma hominis	3.75%	1.04%
Candida glabrata	3.33%	1.71%
Proteus mirabilis	3.33%	8.73%
Streptococcus agalactiae (Group B)	2.71%	3.71%
Candida albicans	2.50%	1.40%
Pseudomonas aeruginosa	2.50%	5.24%
Morganella morganii	2.08%	3.14%
Enterobacter cloacae	1.88%	1.98%
Enterobacter aerogenes	1.25%	0.99%
Klebsiella oxytoca	1.04%	1.72%
Citrobacter koseri	0.83%	0.20%
Staphylococcus aureus	0.83%	1.95%
Candida parapsilosis	0.63%	0.15%
Citrobacter freundii	0.42%	1.21%
Serratia marcescens	0.42%	0.73%

Average Pathogen Amount Detected Per Sample

Lab	Network
2.20	2.54

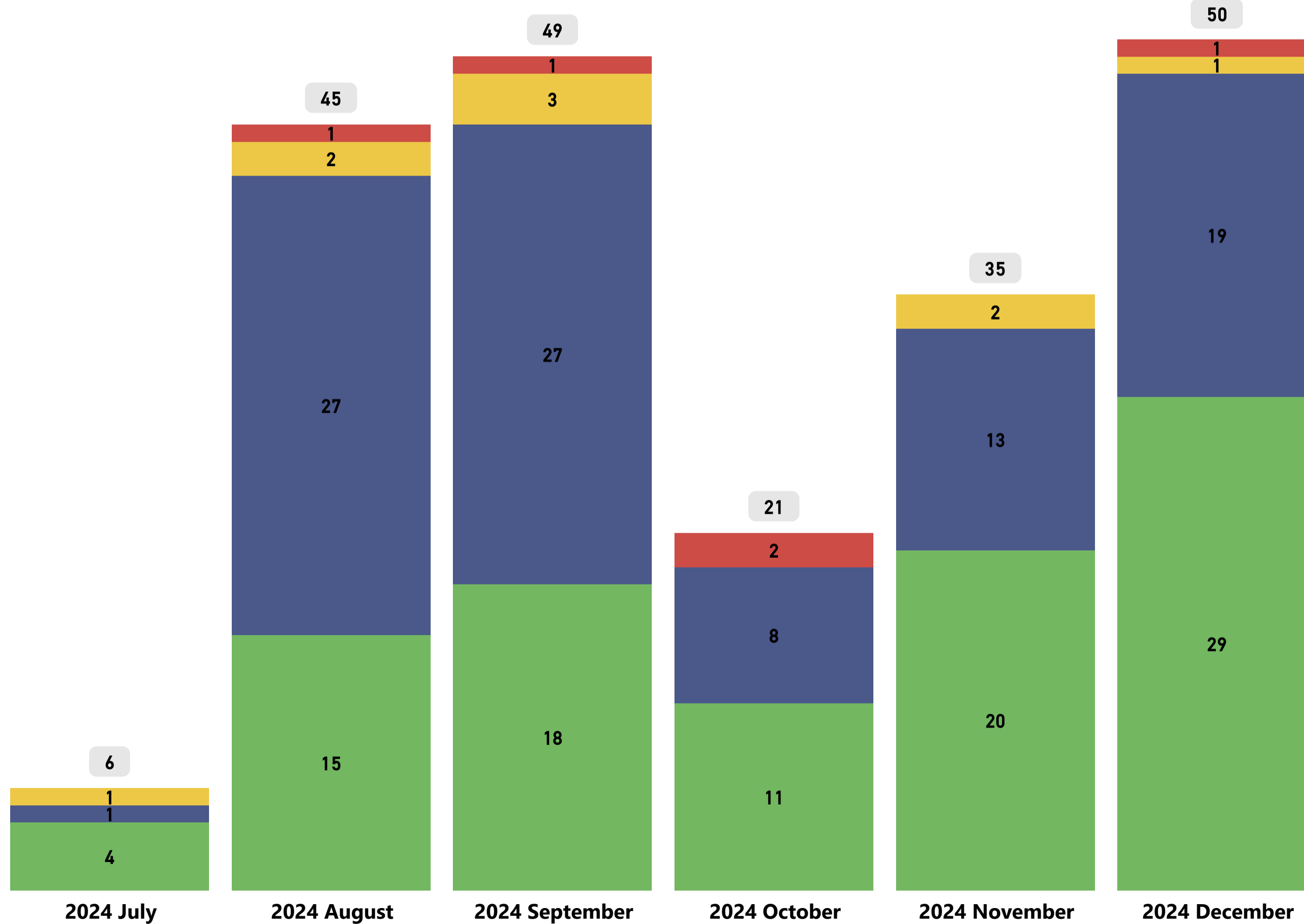
Average Resistance Gene Amount Detected Per Sample

Lab	Network
1.85	2.65

SAMPLE FACILITY

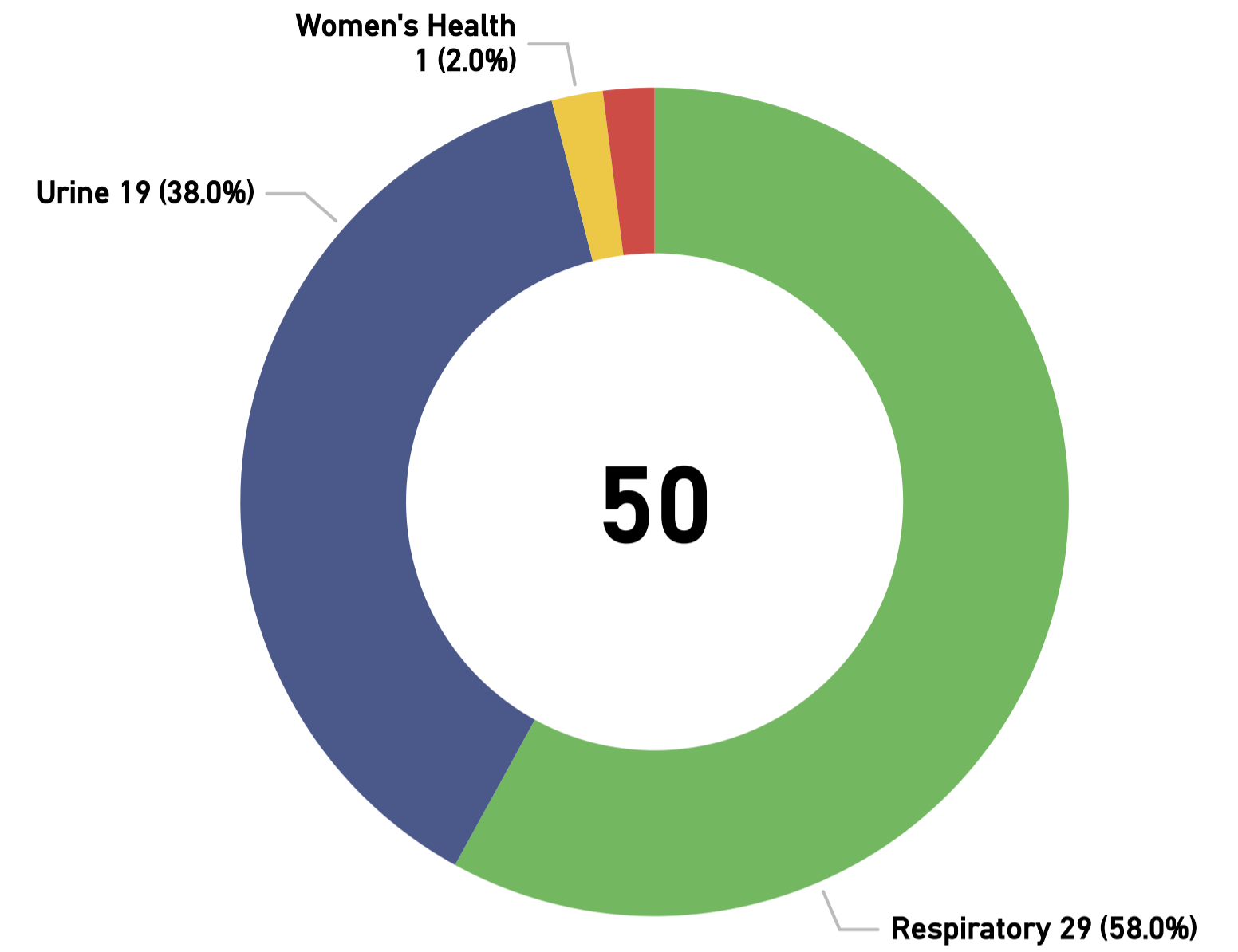
Positive Samples (Previous 6 Months)

Respiratory Urine Women's Health Wound



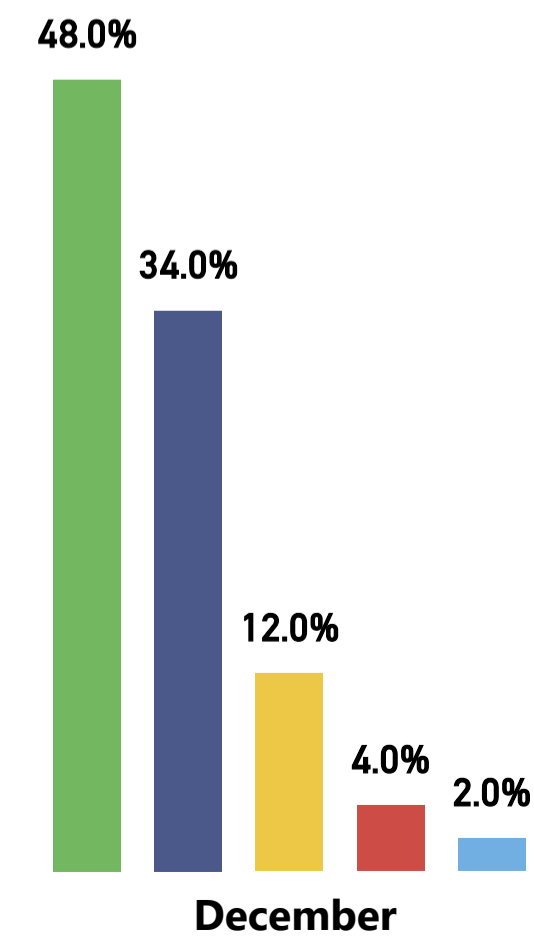
Positive Samples (December 2024)

Respiratory Urine Women's Health Wound



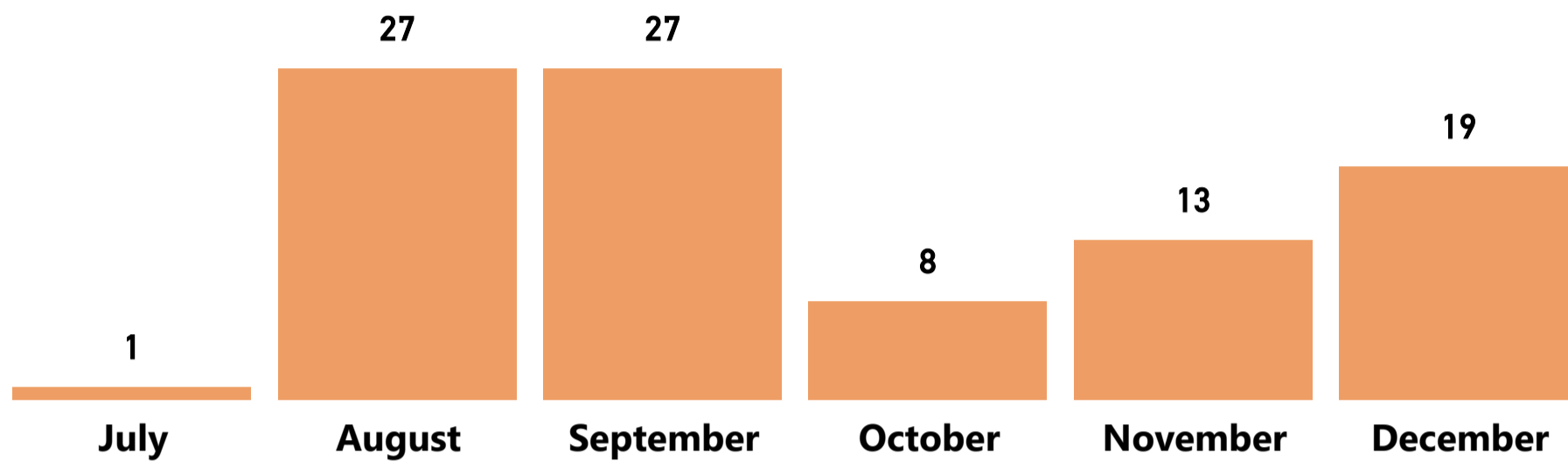
Pathogen Amount Per Sample (December 2024)

1 Pathogen 2 Pathogens 3 Pathogens 4 Pathogens 5 or more Pathogens



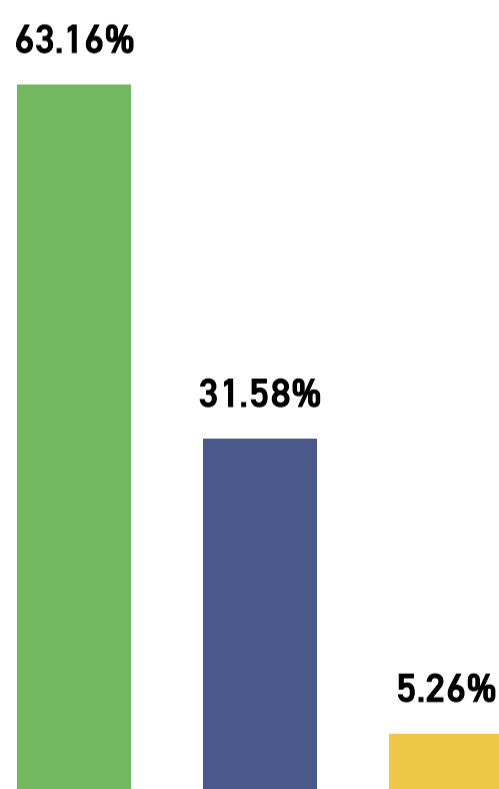
Urine

Positive Samples (2024)

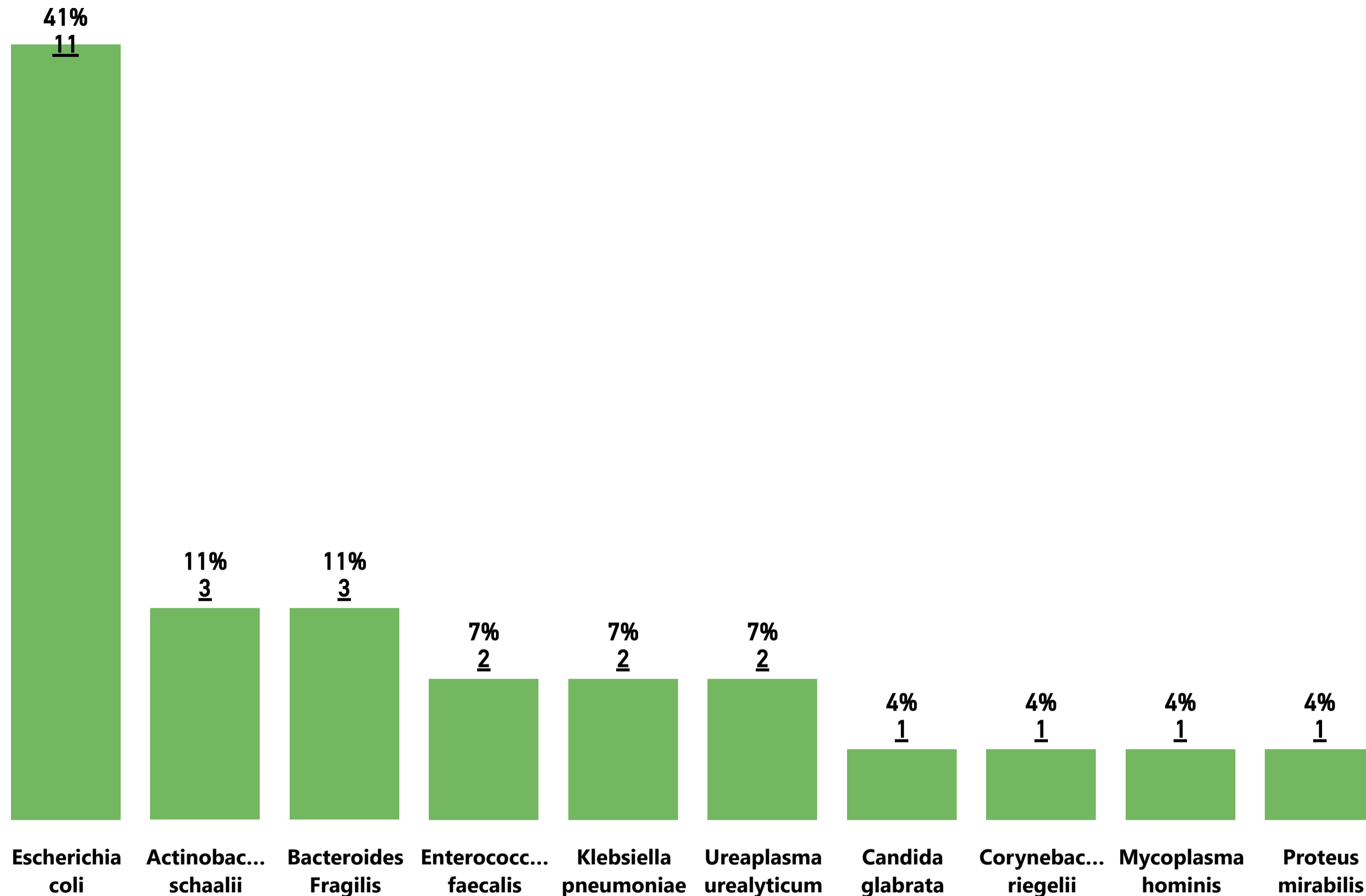
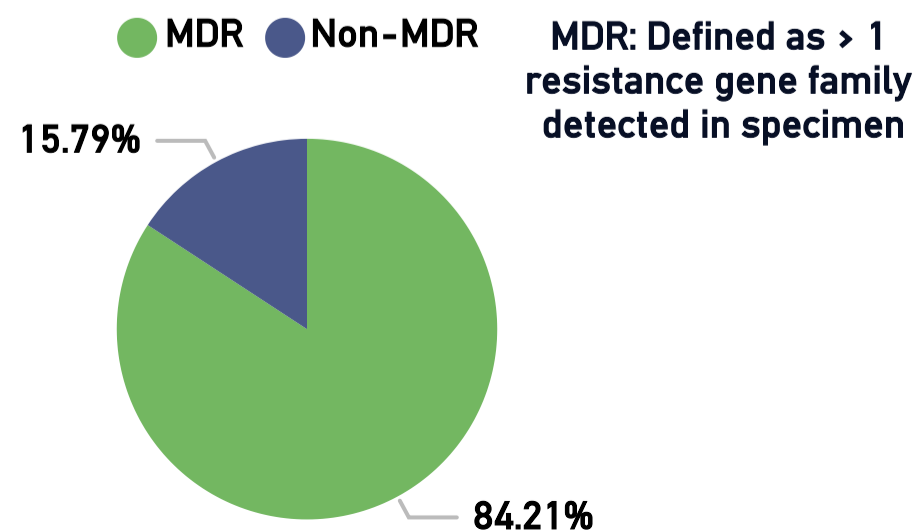


Pathogens Amount Per Sample (December 2024)

1 Pathogen 2 Pathogens 3 Pathogens



MDR Pathogens (December 2024)



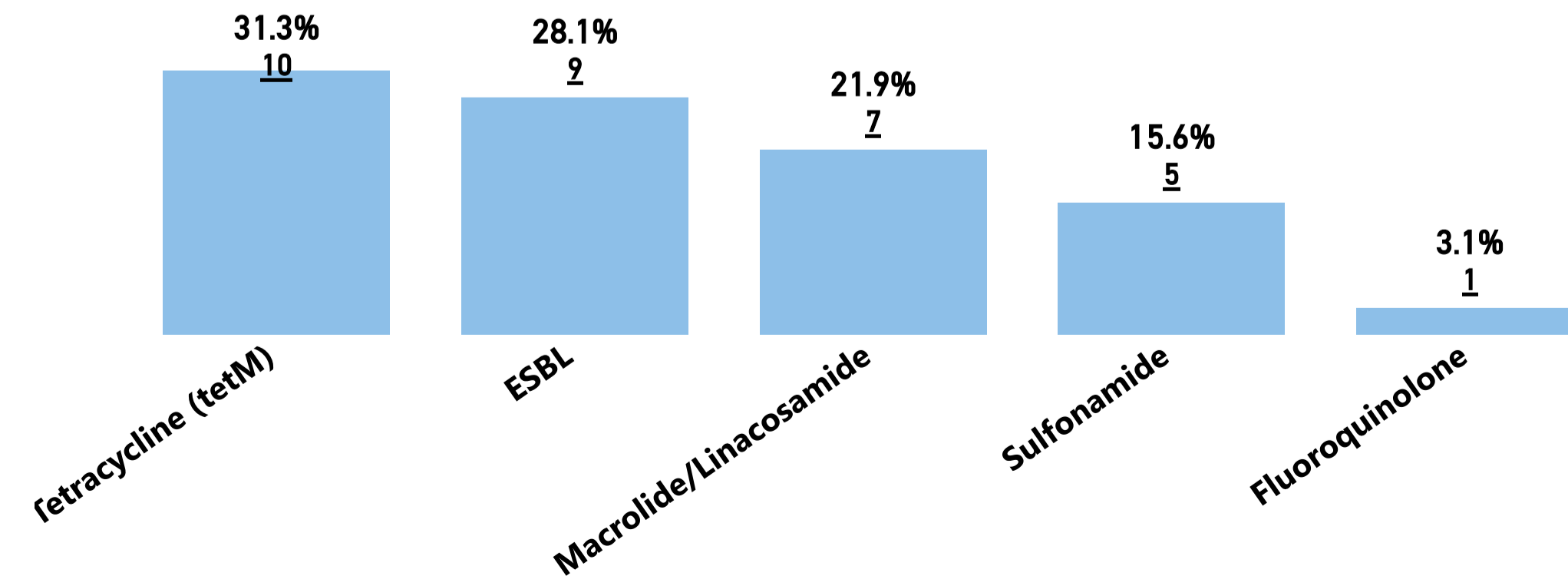
Notable Pathogens/Resistance Genes Last 3 months

Blank = No Notable Pathogens Detected

Month	MRSA	VRE	Pseudomonas Aeruginosa	ESBL E. coli	CRE
October			2	2	1
November				3	
December				7	
Total			2	12	1

VRE: Vancomycin-Resistant Enterococcus
 CRE: Carbapenem-Resistant Enterobacteriaceae
 MRSA: Methicillin-Resistant Staphylococcus Aureus

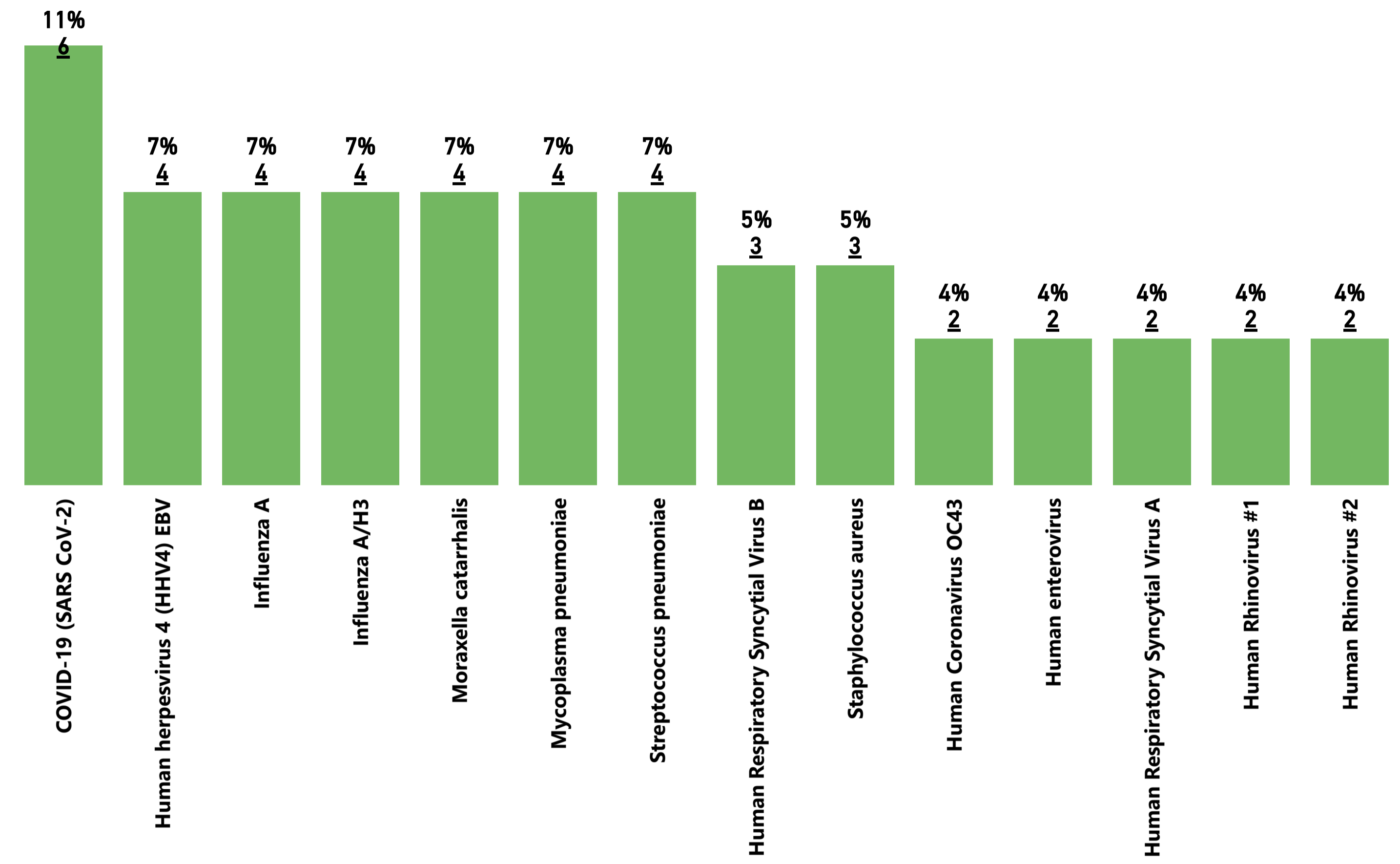
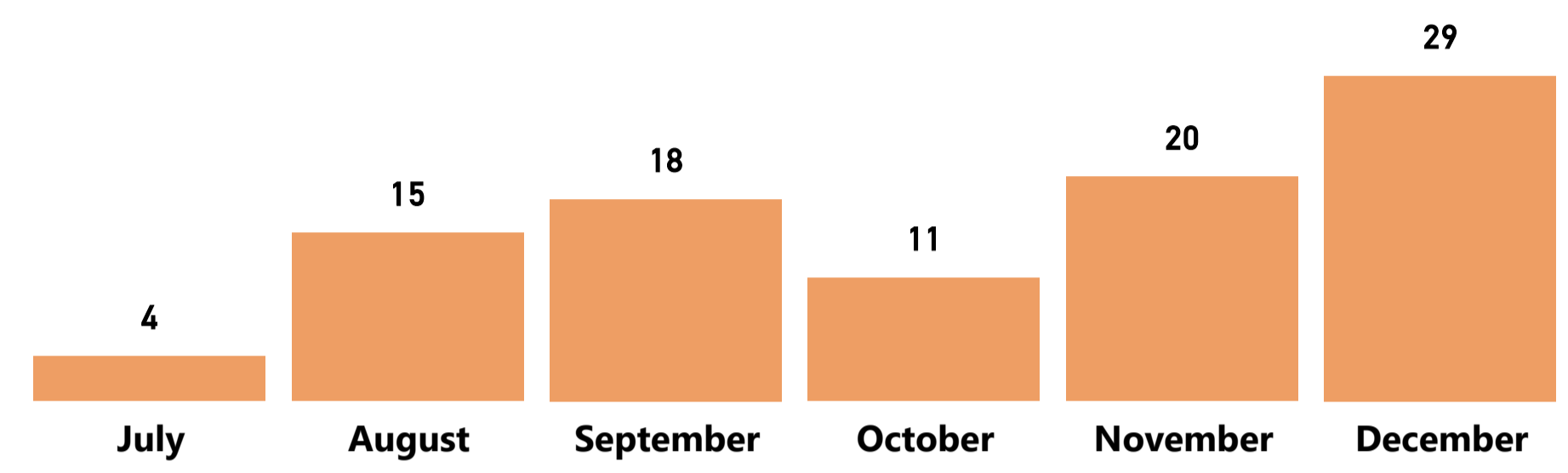
Resistance Gene Breakdown (December 2024)



Respiratory

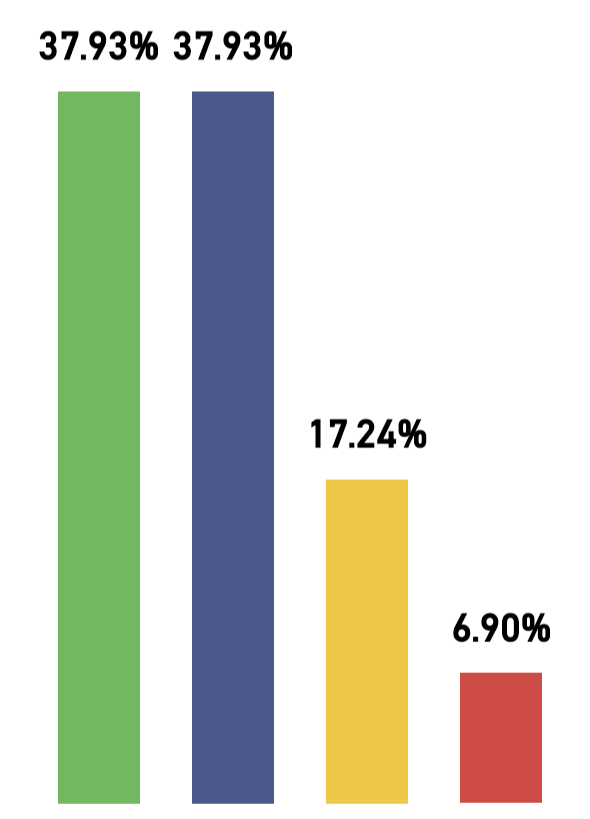
Pathogen Breakdown (December 2024)

Positive Samples (2024)



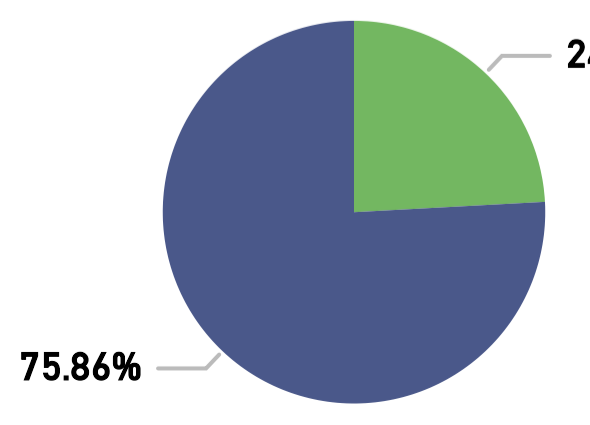
Pathogens Amount Per Sample (December 2024)

1 Pathogen 2 Pathogens 3 Pathogens 4 Pathogens



MDR Pathogens (December 2024)

MDR: Defined as > 1 resistance gene family detected in specimen



Notable Pathogens/Resistance Genes Last 3 months

Blank = No Notable Pathogens Detected

Month	Covid-19
October	1
December	2
Total	3

Resistance Gene Breakdown (December 2024)

