

SUMMARY OF CONFIRMED INFECTIONS

Sanjib Bhattacharyya, PhD
Laboratory Director

August 2018

Trivikram Dasu, PhD, D(ABMLI)
Deputy Laboratory Director

Syphilis

Test	Total	Test	Total
RPR Reactive	3	Darkfield Reactive	0
VDRL Reactive	18	TP-PA Reactive	16

New Cases of Syphilis

Stage	Number of Cases	
	August 2018	August 2017
Primary syphilis	0	0
Secondary syphilis	0	1
Early latent	0	0
Late latent	0	1
Total	0	2

Source: Wisconsin Division of Health

HIV

Test	Total	Reactive	Percent (%)
Screening	267	1	0.37

Chlamydia trachomatis (CT), *Neisseria gonorrhoeae* (GC), and *Trichomonas vaginalis* (Trich) Nucleic Acid Amplification

Source	CT			GC			Trich		
	Tested	Positives	Percent (%)	Tested	Positives	Percent (%)	Tested	Positives	Percent (%)
Urine	539	63	11.7	539	41	7.6	293	22	7.5
Throat	328	10	3.0	328	19	5.8			
Rectal	72	7	9.7	72	6	8.3			
Vaginal	0	0	N/A	0	0	N/A	49	12	24.5

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
51	0	0	3	0

*No CLSI interpretation available

Clinical cultures

Source	Identification	Number
Urethra	<i>Neisseria meningitidis</i>	2
Cervix	<i>Neisseria meningitidis</i>	1

Reference cultures

Source	Identification	Number
Stool	<i>Bacillus amyloliquefaciens</i> *	1
Stool	<i>Bacillus cereus</i> *	1
Tissue	<i>Bacillus circulans</i> *	1
Stool	<i>Campylobacter jejuni</i> *	3
BAL	<i>Corynebacterium pseudodiphtheriticum</i> *	1
Urine	<i>Escherichia coli</i> , inactive*	1
Mitral valve	<i>Paecilomyces species</i> *	1
Blood	<i>Salmonella</i> (Group B) Reading	1
Urine	<i>Salmonella</i> (Group D1) Enteriditis	1
Blood	<i>Salmonella</i> (Group D1) Enteriditis	1
Stool	<i>Shigella</i> (Group D) <i>sonnei</i>	1

*The MHD laboratory targets the 16S rRNA (bacterial) and the D2 region of the 28S rRNA (fungal) genes for sequence-based microbial identification of selective reference isolates.

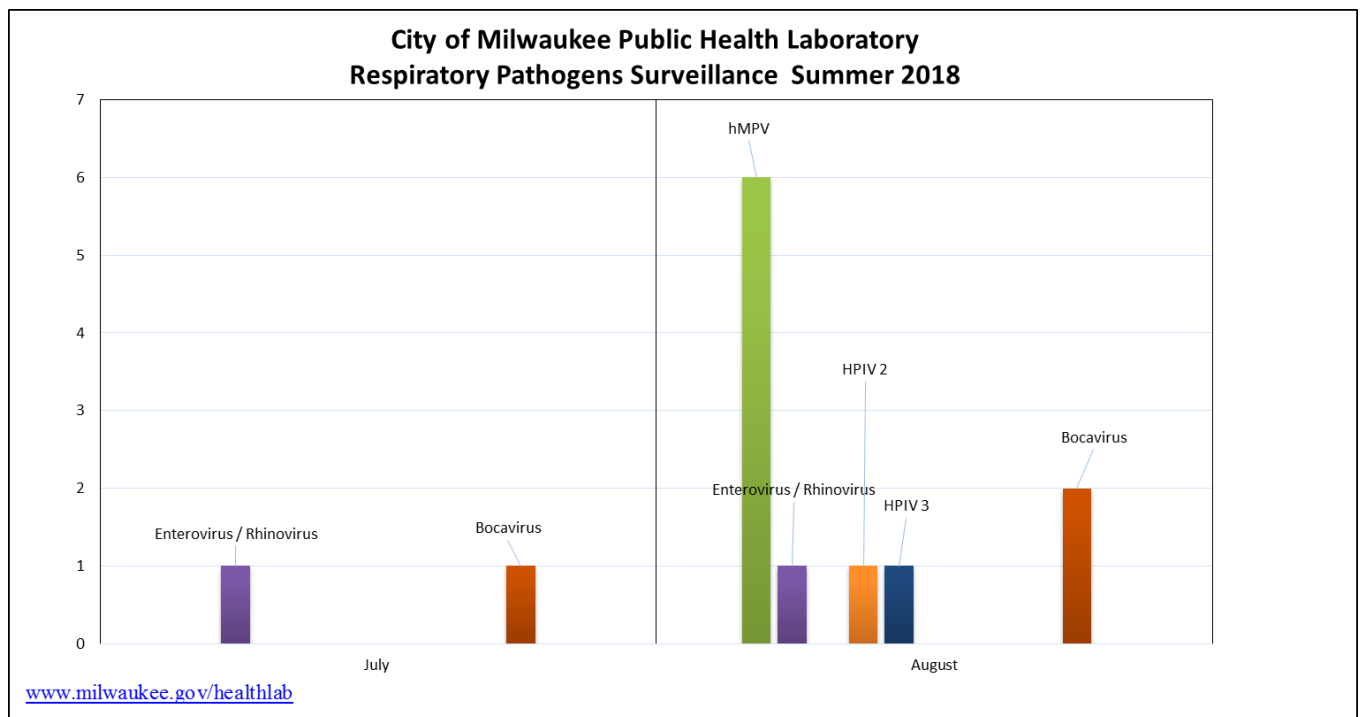
Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Herpes simplex virus	Real time PCR	19	12	63
Mumps virus	Real time RT-PCR	2	0	0
<i>Bordetella pertussis</i>	Real time PCR	5	0	0

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	6	60
Entero/Rhinovirus	1	10
Parainfluenza virus type 2	1	10
Parainfluenza virus type 3	1	10
Bocavirus	2	20

Specimens tested: n = 10 (August 2018 – Not including Influenza A PCR data)



Note: The MHDL provides comprehensive detection of multiple respiratory viruses and their subtypes: Influenza A, Influenza B, Respiratory Syncytial Virus (RSV), Human Metapneumovirus (hMPV), Enterovirus/ Rhinovirus (ENT/HRV), Adenovirus, Parainfluenza (HPIV 1-4), Coronavirus and Boca viruses. The bacterial targets include *Chlamydia pneumoniae*, *Mycoplasma pneumoniae*, and *Legionella pneumophila*