

SUMMARY OF CONFIRMED INFECTIONS

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Syphilis

Test	Total	Test	Total
RPR Reactive	4	Darkfield Reactive	0
VDRL Reactive	23	TP-PA Reactive	15

New Cases of Syphilis

Stage	Number of Cases	
	June 2018	June 2017
Primary syphilis	0	0
Secondary syphilis	1	0
Early latent	0	0
Late latent	0	0
Unknown duration	0	0
Total	1	0

Source: Wisconsin Division of Health

HIV*

Test	Total	Reactive	Percent (%)
Screening	743	5	0.7
Confirmatory	5	2	40

*HIV data for 2nd quarter (Apr-Jun), 2018

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	430	37	9	430	31	7	284	21	7
Throat	385	3	0.7	421	13	3			
Rectal	134	9	7	135	13	10			
Vaginal	0	0	0	0	0	0	70	12	17

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
33	0	0	0	NA

*No CLSI interpretation available

Clinical Isolates Other Than *N. gonorrhoeae* from genital sites

Organism	Number Isolates	Organism	Number Isolates
<i>Ureaplasma urealyticum</i>	1	<i>Neisseria meningitidis</i>	4

Clinical and Reference Cultures

Age	Sex	Source	Identification
39	M	BAL fluid	<i>Blastomyces dermatitidis</i>
38	M	Stool	<i>Campylobacter coli</i>
66	M	Stool	<i>Campylobacter jejuni</i>
60	M	Tracheal aspirate	<i>Corynebacterium propinquum</i>
77	M	Blood	<i>Corynebacterium striatum</i>
22	F	Stool	<i>Entamoeba dispar</i>
26	M	Stool	<i>Entamoeba dispar</i>
17	F	Genital	<i>Neisseria gonorrhoeae</i>
40	F	Genital	<i>Neisseria gonorrhoeae</i>
57	N	Urine	<i>Salmonella</i> Infantis

DNA Sequencing: The MHD laboratory targets the 16S rRNA and the D2 region of the 28S rRNA genes for sequence-based microbial identification of selective reference bacteria and fungal isolates.

Age	Sex	Source	Target gene	Final Identification
77	M	Blood	16S rDNA	<i>Corynebacterium striatum</i>
38	M	Stool	16S rDNA	<i>Campylobacter coli</i>
60	M	Tracheal Aspirate	16S rDNA	<i>Corynebacterium propinquum</i>
66	M	Stool	16S rDNA	<i>Campylobacter jejuni</i>

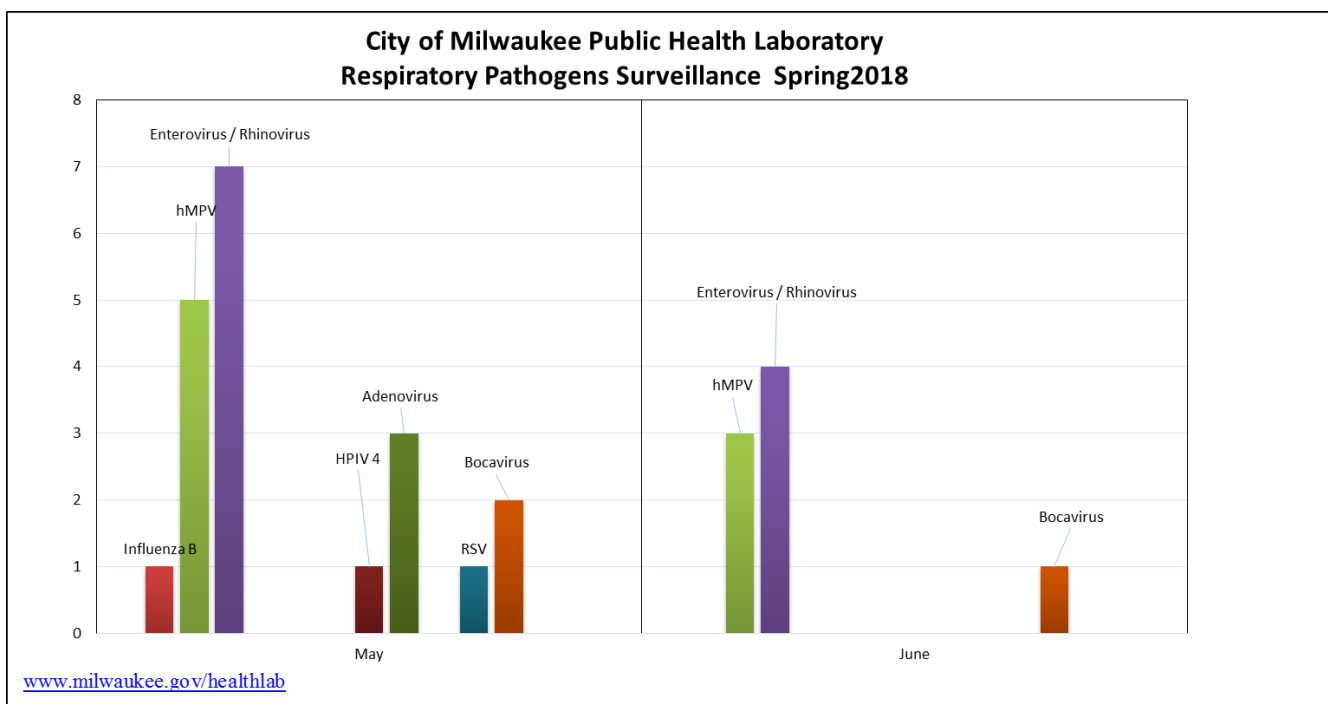
Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
<i>Bordetella pertussis</i>	Real time PCR	5	0	0
Herpes simplex virus	Real time PCR	22	5	22
Influenza virus	Real time RT-PCR	1	0	0
Mumps virus	Real time RT-PCR	6	0	0

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	3	42
Enterovirus/Rhinovirus	4	57
Bocavirus	1	14

Specimens tested: n = 7 (June 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*