

SUMMARY OF CONFIRMED INFECTIONS

April 2018

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Syphilis

Test	Total	Test	Total
RPR Reactive	1	Darkfield Reactive	0
VDRL Reactive	25	TP-PA Reactive	9

New Cases of Syphilis

Stage	Number of Cases	
	April 2018	April 2017
Primary syphilis	2	0
Secondary syphilis	2	0
Early latent	2	1
Late latent	0	0
Unknown duration	0	0
Total	6	1

Source: Wisconsin Division of Health

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
37	0	0	0	NA

* No CLSI interpretation available

Isolates Other Than *N. gonorrhoeae*

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>	Genital	5	<i>Neisseria meningitidis</i>	Genital	1
<i>Mycoplasma hominis</i>	Genital	4	<i>Neisseria meningitidis</i>	Non-genital	3

Clinical and Reference Cultures

Age	Sex	Source	Identification
53	M	Sputum	<i>Corynebacterium pseudodiphtheriticum</i>
17	F	Genital	<i>Neisseria gonorrhoeae</i>
33	M	Urine	<i>Neisseria gonorrhoeae</i>
102	F	Blood	<i>Neisseria subflava</i>
59	F	Ocular swab	<i>Serratia marcescens</i>

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
59	F	Ocular swab	16S rDNA	<i>Serratia marcescens</i>
102	F	Blood	16S rDNA	<i>Neisseria subflava</i>
8 Days	M	Mouth	16S rDNA	<i>Neisseria meningitidis</i>
8 Days	M	Mouth	16S rDNA	<i>Neisseria meningitidis</i>
57	M	Synovial Fluid	16S rDNA	<i>Moraxella nonliquefaciens</i>

Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
<i>Bordetella pertussis</i>	Real time PCR	4	0	0
Herpes simplex virus	Real time PCR	53	15	28
Influenza virus	Real time RT-PCR	12	8	67
Mumps virus	Real time RT-PCR	4	1	25
<i>Mycobacterium tuberculosis</i> complex	Real time PCR	2	2	NA

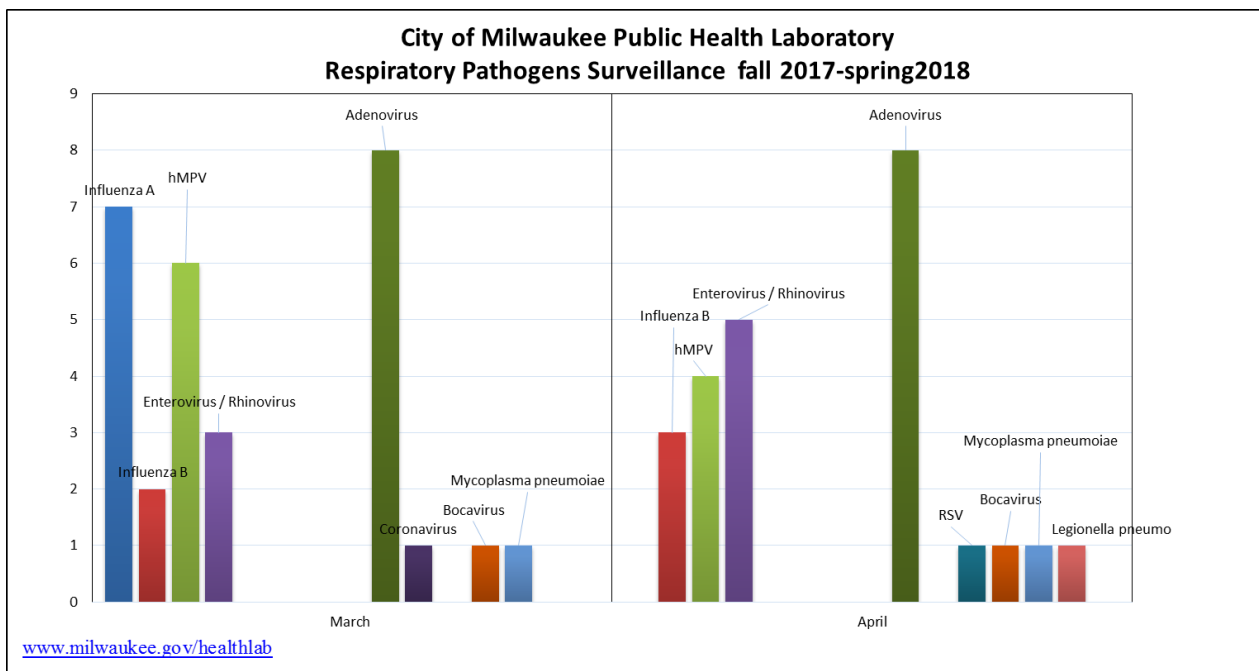
Chlamydia trachomatis (CT), *Neisseria gonorrhoeae* (GC), and *Trichomonas vaginalis* (Trich) Nucleic Acid Amplification

Source	CT			GC			Trich		
	Tested	Positives	Percent (%)	Tested	Positives	Percent (%)	Tested	Positives	Percent (%)
Urine	470	52	11	470	31	7	272	25	9
Throat	392	7	2	460	17	4			
Rectal	143	20	14	143	11	8			
Vaginal	0	0	0	0	0	0	67	16	24

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Influenza B	3	14
Human metapneumovirus	4	19
Enterovirus/Rhinovirus	5	24
Adenovirus	8	38
Respiratory Syncytial Virus	1	5
<i>Mycoplasma pneumoniae</i>	1	5
Bocavirus	1	5
<i>Legionella pneumophila</i>	1	5

Specimens tested: n = 21 (April 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*