

SUMMARY OF CONFIRMED INFECTIONS

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Syphilis

Test	Total	Test	Total
EIA Reactive	39	Darkfield Reactive	N/A
VDRL/RPR Reactive	35	TP-PA Reactive	17

New Cases of Syphilis

Stage	Number of Cases	
	May 2019	May 2018
Primary syphilis	0	0
Secondary syphilis	2	0
Early latent	2	0
Late latent	4	0
Total	8	0

Source: Wisconsin Division of Health

HIV

Test	Total	Reactive	Percent (%)
EIA-HIV Ag/Ab combo	319	1	0.3

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

Source	CT			GC			Trich			Mgen		
	Tested	Positive	Percent (%)	Tested	Positive	Percent (%)	Tested	Pos	Percent (%)	Tested	Pos	% Pos
Urine	484	52	10.7	484	44	9.1	306	20	6.5	85	26	30.6
Throat	443	10	2.3	518	42	8.1						
Rectal	168	15	8.9	168	12	7.1						
Vaginal	69	9	13.0	69	6	8.7	69	6	8.7			
Urethral	0	0	N/A	0	0	N/A	1	0	0	86	20	23.3

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
72	0	0	6	0

*No CLSI interpretation available

Clinical cultures of interest

Source	Identification	Number
Penis	<i>Neisseria gonorrhoeae</i>	1
Rectum	<i>Neisseria meningitidis</i>	1
Throat	<i>Moraxella catarrhalis</i>	1
Urethra	<i>Neisseria meningitidis</i>	2

Reference cultures

Source	Identification	Number
Stool	<i>Bacillus licheniformis</i> *	2
Blood	<i>Staphylococcus schleiferi</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.

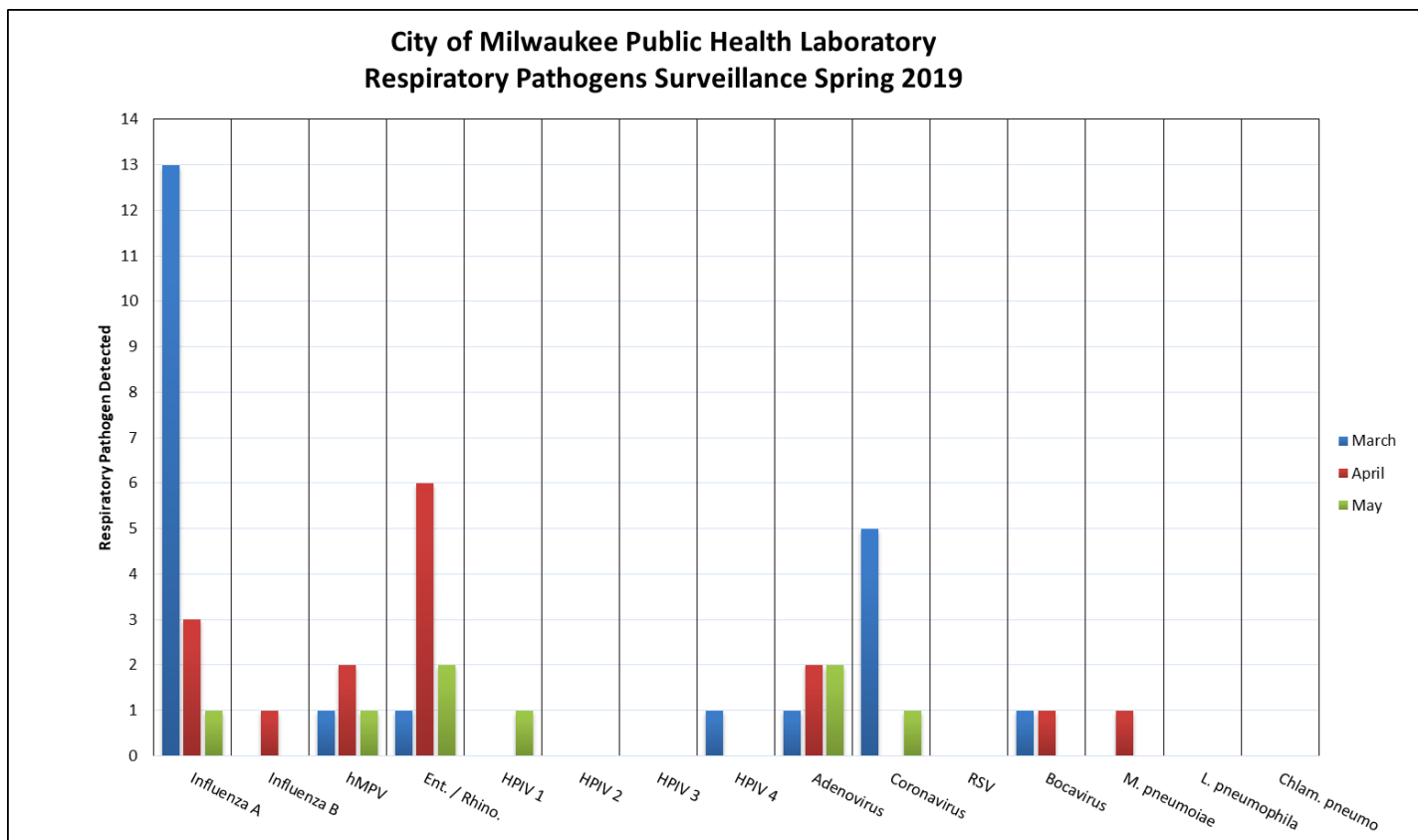
Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Herpes simplex virus	Real time PCR	25	9	36
Measles virus	Real time RT-PCR	2	0	0

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	1	20
Entero/Rhinovirus	2	40
Parainfluenza virus type 2	0	0
Parainfluenza virus type 3	0	0
Bocavirus	0	0

Specimens tested: n = 5 (May 2019)



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*