

SUMMARY OF CONFIRMED INFECTIONS

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Syphilis

Test	Total	Test	Total
EIA Reactive	55	Darkfield Reactive	0
VDRL Reactive	13	TP-PA Reactive	16

New Cases of Syphilis

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

Source: Wisconsin Division of Health

HIV

Test	Total	Reactive	Percent (%)
Screening	264	2	0.75

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	484	56	11.6	484	55	11.4	290	24	8.3
Throat	340	12	3.5	340	29	8.5			
Rectal	63	11	17.4	63	6	9.5			
Vaginal	0	0	N/A	0	0	N/A	58	9	15.5

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
46	0	0	0	0

*No CLSI interpretation available

Clinical cultures

Source	Identification	Number
Sputum	<i>Legionella pneumophila</i>	1
Urethra	<i>Neisseria meningitidis</i>	8
Rectum	<i>Neisseria meningitidis</i>	1

Reference cultures

Source	Identification	Number
Blood	<i>Bacillus polymyxa</i> *	1
Stool	<i>Campylobacter jejuni</i> *	1
Sputum	<i>Legionella pneumophila</i>	2
Stool	<i>Shigella (Group D) 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.

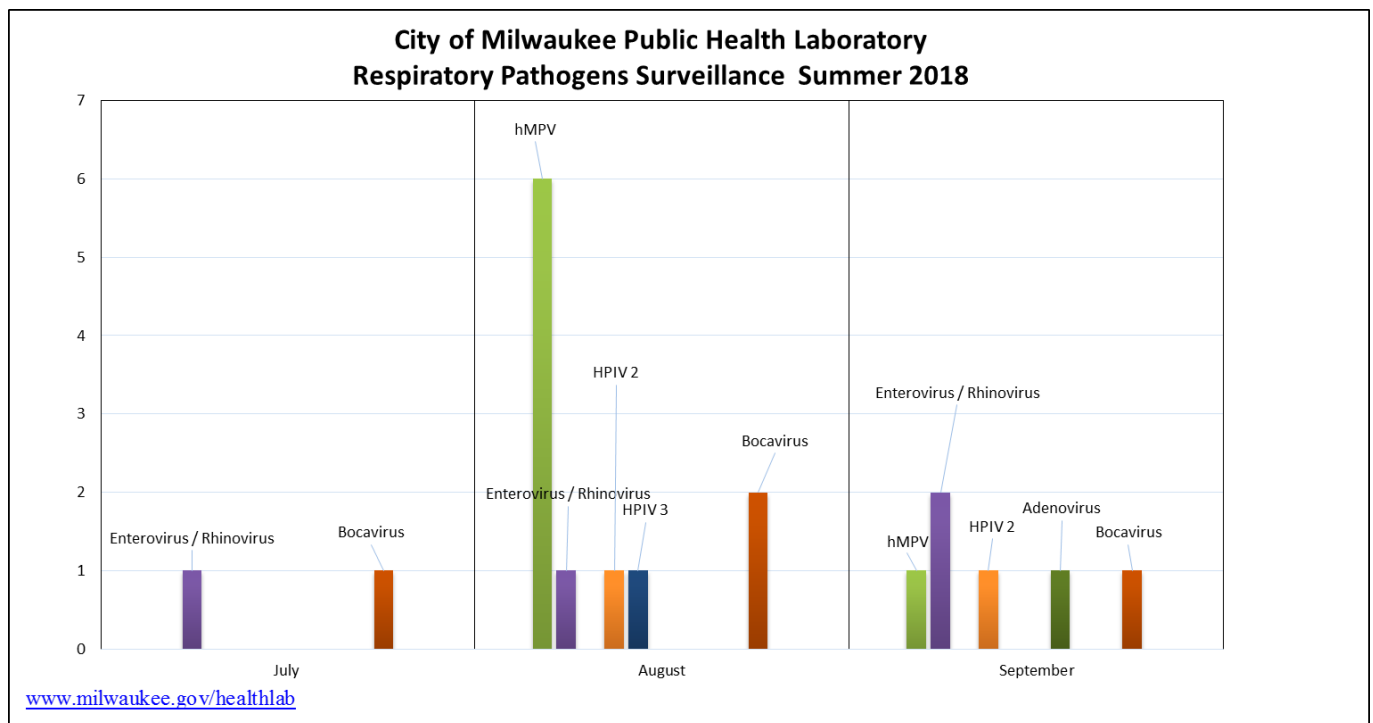
Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
<i>Bordetella pertussis</i>	Real time PCR	3	0	0
Herpes simplex virus	Real time PCR	31	10	32
Mumps virus	Real time RT-PCR	1	0	0
Norovirus	Real time RT-PCR	5	0	0

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	1	12.5
Entero/Rhinovirus	2	25
Parainfluenza virus type 2	1	12.5
Parainfluenza virus type 3	0	0
Bocavirus	1	12.5

Specimens tested: n = 8 (September 2018 – Not including Influenza 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*, *Mycoplamsa pneumoniae*, and *Legionella pneumophila*