



City of Milwaukee Health Department Laboratory

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SUMMARY OF CONFIRMED INFECTIONS

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Syphilis

Test	Total	Test	Total
RPR Reactive	4	Darkfield Reactive	0
VDRL Reactive	25	TP-PA Reactive	16

New Cases of Syphilis

Stage	Number of Cases	
	Oct 2017	Oct 2016
Primary syphilis	0	0
Secondary syphilis	0	0
Early latent	1	0
Late latent	1	0
Unknown duration	0	0
Total	2	0

Source: Wisconsin Division of Health

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Resistant (R) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
62	0	0	0	0

* No CLSI interpretation available

Reference Cultures

Age	Sex	Source	Identification
59	M	Stool	<i>Campylobacter jejuni</i>
77	M	Tissue	<i>Campylobacter jejuni</i>
68	M	Stool	<i>Campylobacter jejuni</i>
30	F	Stool	<i>Campylobacter jejuni</i>
79	F	Not Specified	<i>Corynebacterium striatum</i>
44	F	Hip	<i>Mycobacterium fortuitum</i>

Age	Sex	Source	Identification
49	M	Urine	<i>Neisseria gonorrhoeae</i>
31	N	Genital	<i>Neisseria gonorrhoeae</i>
24	M	Genital	<i>Neisseria gonorrhoeae</i>
23	F	Genital	<i>Neisseria gonorrhoeae</i>
25	M	Urine	<i>Neisseria gonorrhoeae</i>
74	M	Stool	<i>Salmonella</i> Paratyphi B var. Java
48	M	Stool	<i>Salmonella</i> Enteritidis

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	Stool	16S rRNA	<i>Campylobacter jejuni</i>
68	M	Stool	16S rRNA	<i>Campylobacter jejuni</i>
59	M	Stool	16S rRNA	<i>Campylobacter jejuni</i>
44	F	Hip	16S rRNA	<i>Mycobacterium fortuitum</i>
71	M	Sputum	28S rRNA	<i>Emeriecella parvathecia</i>
55	M	Nail	28S rRNA	<i>Candida carpophila</i>
55	F	BAL	28S rRNA	<i>Byssoschlamys</i> sp.
68	M	Sputum	28S rRNA	<i>Exophiala lecanii-corni</i>

Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Norovirus	Real time RT-PCR	17	0	0
<i>Bordetella pertussis</i>	Real time PCR	10	1	10
<i>Enterovirus</i>	Real time PCR	1	0	0
Herpes simplex virus	Real time PCR	49	9	18
Influenza virus	Real time RT-PCR	8	0	0
Varicella zoster	Real time RT-PCR	1	1	100
Mumps virus	Real time RT-PCR	1	1	100

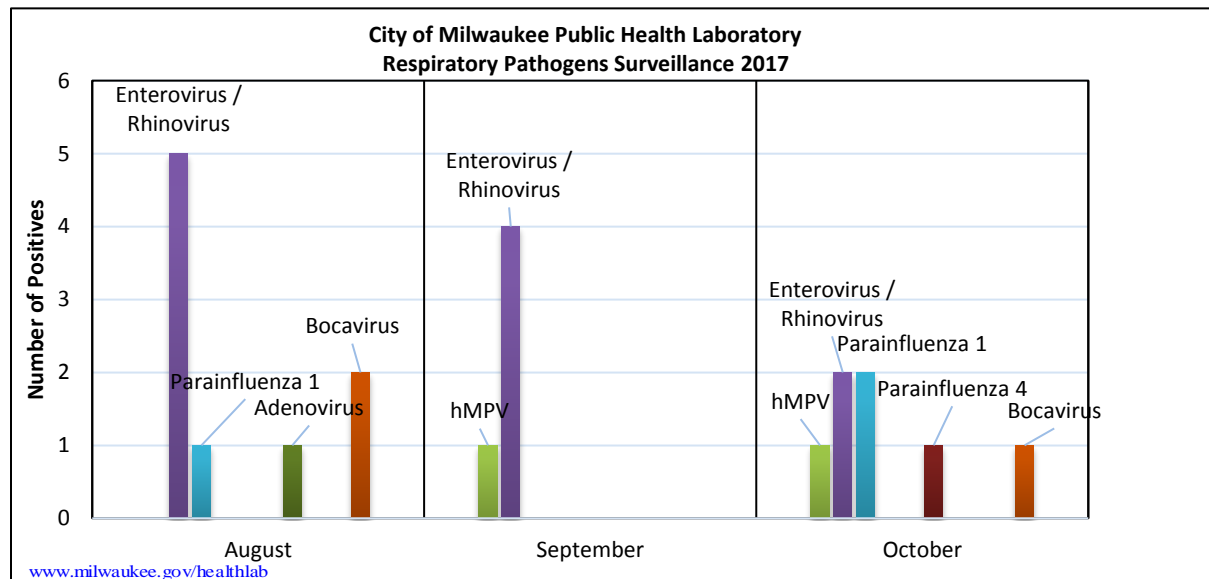
***Chlamydia trachomatis* (CT), *Neisseria gonorrhoeae* (GC), and *Trichomonas vaginalis* (Trich) Nucleic Acid Amplification**

Source	CT			GC			Trich		
	Tested	Positives	Percent (%)	Tested	Positives	Percent (%)	Tested	Positives	Percent (%)
Urine	621	75	12	621	64	10	397	45	11
Throat	482	15	3	540	35	6			
Rectal	172	17	10	172	14	8			
Vaginal	1	0	0	1	0	0	108	32	30

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	1	17
Enterovirus/Rhinovirus	2	33
Bocavirus	1	17
Human parainfluenza virus 1	2	33
Human parainfluenza virus 4	1	17

Specimens tested: n = 6 (October 2017 – 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*, *Mycoplasma pneumoniae*, and *Legionella pneumophila*