



City of Milwaukee Health Department Laboratory

www.milwaukee.gov/healthlab

Phone: (414) 286-3526

Bevan K. Baker,
Commissioner of Health
www.milwaukee.gov/health

SUMMARY OF CONFIRMED INFECTIONS

May 2017

Sanjib Bhattacharyya, PhD
Laboratory Director

Syphilis

Test	Total	Test	Total
RPR Reactive	4	Darkfield Reactive	0
VDRL Reactive	26	TP-PA Reactive	24

New Cases of Syphilis

Stage	Number of Cases	
	May 2017	May 2016
Primary syphilis	0	0
Secondary syphilis	0	0
Early latent	3	1
Late latent	1	1
Total	4	2

Source: Wisconsin Division of Health

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Susceptible (S) / Resistant (R) Antibiotics				
	Ciprofloxacin	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
35	4 (R)	0	0	0	0

* No CLSI interpretation available

Reference Cultures

Age	Sex	Source	Identification
24	M	Stool	<i>Campylobacter jejuni</i>
56	M	Stool	<i>Campylobacter jejuni</i>
63	M	Stool	<i>Salmonella</i> Infantis
23	F	Urine	<i>Salmonella</i> Javiana
57	F	Stool	<i>Shigella sonnei</i>

DNA Sequencing: The MHD laboratory uses 16S rRNA and the D2 region of the 26S rRNA genes for DNA sequence-based microbial identification of selective reference bacteria and fungal isolates.

Age	Sex	Source	Target gene	Final Identification
24	M	Stool	16S rRNA	<i>Campylobacter jejuni</i>
56	M	Stool	16S rRNA	<i>Campylobacter jejuni</i>

Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Norovirus	Real time RT-PCR	5	0	0
Mumps virus	Real time RT-PCR	5	1	20
<i>Bordetella pertussis</i>	Real time PCR	3	0	0
Measles virus	Real time RT-PCR	2	0	0
Herpes simplex virus	Real time PCR	44	10	22

***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	535	57	11	535	43	8	359	30	8
Throat	419	6	2	468	23	5			
Rectal	150	19	13	151	14	9			
Vaginal							79	9	11

Virus/*Chlamydia trachomatis* Isolation from Clinical Specimens

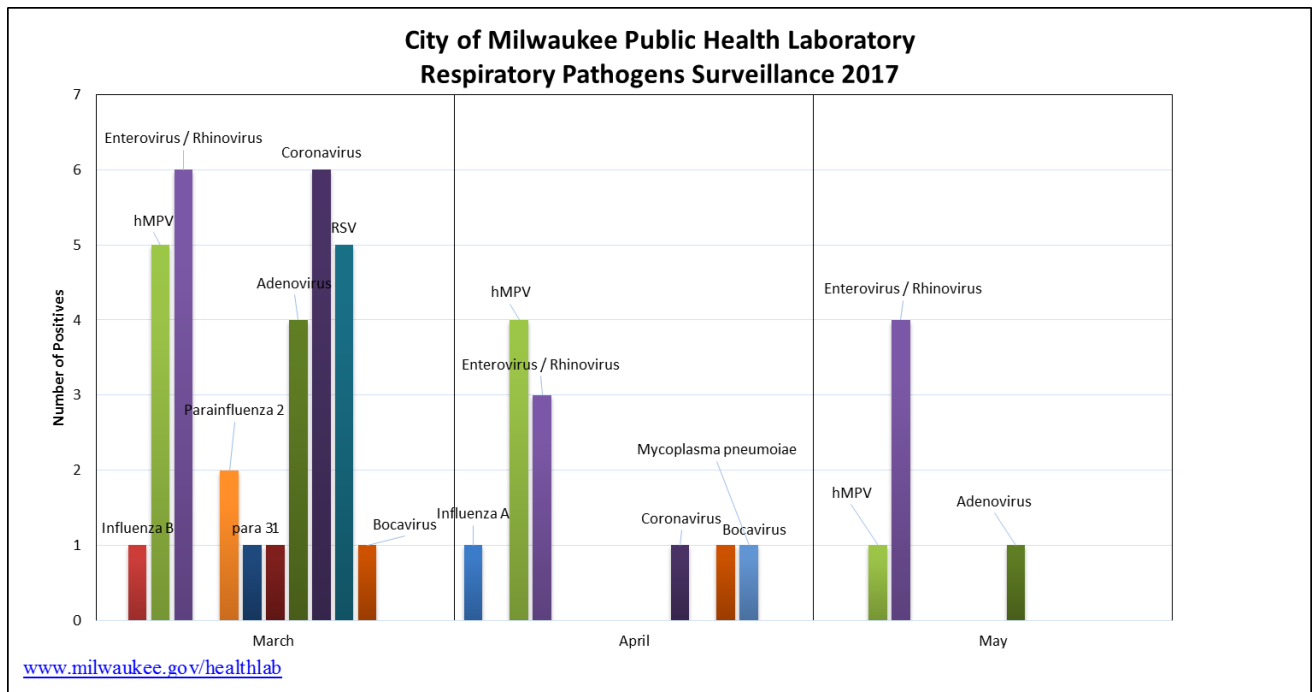
Agent	Virus Isolated in Culture		
	Throat	Virus swab – Other*	Isolates (Total %)
Human Rhinovirus	1	1	12

* Includes lung, NP/Throat combined, Cytomegalovirus(CMV) shell vials, and unspecified sources
 Specimens tested for virus: n = 17 (May 2017); Specimen tested for *Chlamydia* detection in culture: n = 2 (May 2017)

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human Metapneumovirus	1	14
Enterovirus/Rhinovirus	4	29
Human Adenovirus	1	14

Specimens tested: n = 7 (May 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*