

SUMMARY OF CONFIRMED INFECTIONS

Sanjib Bhattacharyya, PhD
Laboratory Director

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Trivikram Dasu, PhD, D(ABMLI)
Deputy Laboratory Director

Syphilis

Test	Total	Test	Total
EIA Reactive	27	Darkfield Reactive	0
VDRL/RPR Reactive	27	TP-PA Reactive	10

New Cases of Syphilis

Stage	Number of Cases	
	March 2019	March 2018
Primary syphilis	0	0
Secondary syphilis	0	0
Early latent	0	1
Late latent	1	0
Total	1	1

Source: Wisconsin Division of Health

HIV

Test	Total	Reactive	Percent (%)
EIA-HIV Ag/Ab combo	269	2	0.7

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	Positive	Percent (%)	Tested	Pos	% Pos
Urine	441	67	15.2	440	32	7.3	275	25	9.1	64	7	10.9
Throat	418	13	3.1	493	24	4.9						
Rectal	180	25	13.9	180	9	5.0						
Vaginal	45	8	17.8	45	2	4.4	60	11	18.3	10	4	40
Urethral	2	0	0	2	0	0	2	0	0	49	6	12.2

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
50	0	0	3 (NS)	0

*No CLSI interpretation available

Clinical cultures of interest

Source	Identification	Number
Cervix	<i>Neisseria meningitidis</i>	1
Rectum	<i>Neisseria meningitidis</i>	1
Urethra	<i>Neisseria meningitidis</i>	5

Reference cultures

Source	Identification	Number
Stool	<i>Bacillus amyloliquefaciens</i> *	1
Stool	<i>Bacillus pumilus</i> *	1
Stool	<i>Bacillus subtilis</i> *	1
Wound	<i>Dermabacter hominis</i> *	1
Blood	<i>Moraxella osloensis</i> *	1
Stool	Salmonella subspecies I; serogroup B; I, monophasic	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.

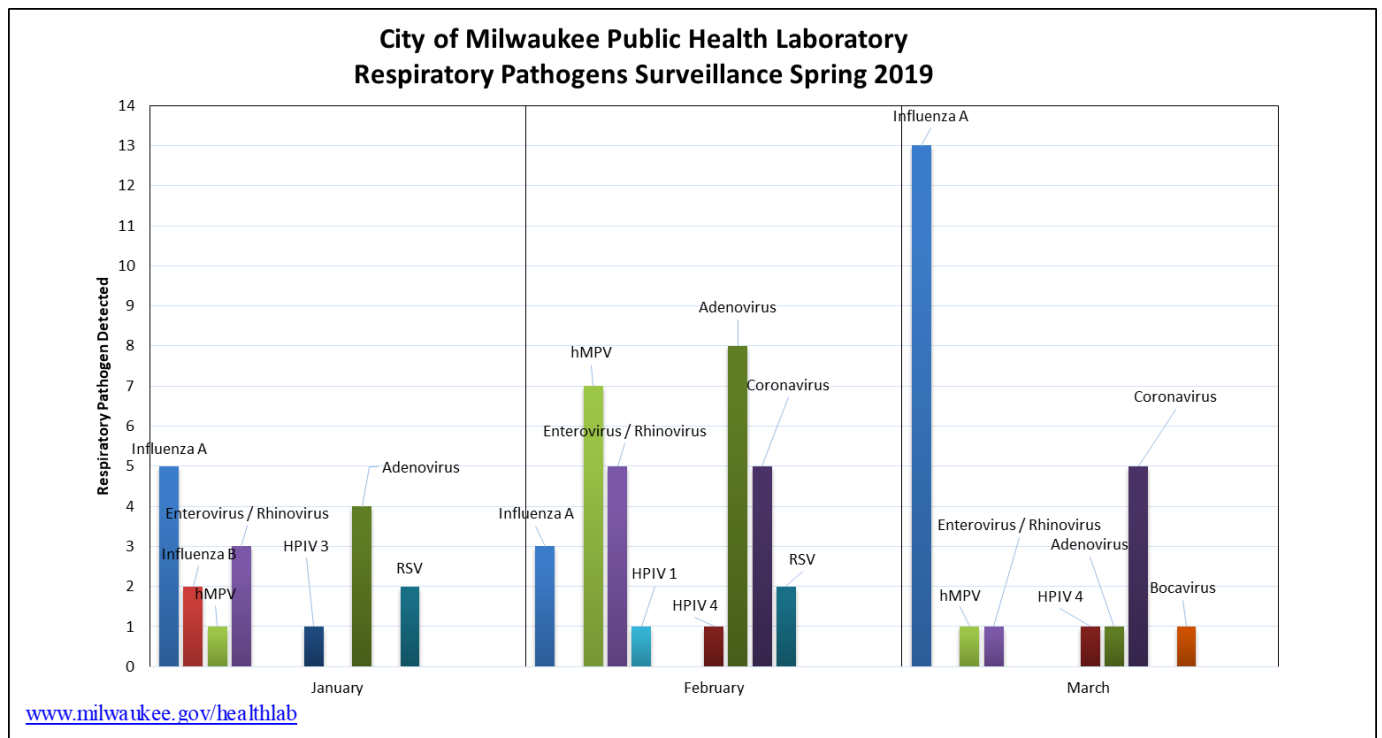
Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Herpes simplex virus	Real time PCR	31	6	19
Measles virus	Real time RT-PCR	1	0	0
Mumps virus	Real time RT-PCR	4	0	0
Varicella zoster	Real time PCR	1	1	100

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	1	3.3
Entero/Rhinovirus	2	6.6
Parainfluenza virus type 2	0	0
Parainfluenza virus type 3	0	0
Bocavirus	1	3.3

Specimens tested: n = 24 (March 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*