

SUMMARY OF CONFIRMED INFECTIONS

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Syphilis

Test	Total	Test	Total
EIA Reactive	38	Darkfield Reactive	0
VDRL Reactive	24	TP-PA Reactive	9

New Cases of Syphilis

Stage	Number of Cases	
	January 2019	January 2018
Primary syphilis	1	0
Secondary syphilis	0	1
Early latent	3	2
Late latent	2	0
Total	6	3

Source: Wisconsin Division of Health

HIV

Test	Total	Reactive	Percent (%)
EIA-HIV Ag/Ab combo	222	0	0

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	410	39	9.5	410	22	5.4	234	12	5.1
Throat	303	10	3.3	375	14	3.7			
Rectal	147	21	14.3	147	11	7.5			
Vaginal	0	0	N/A	0	0	N/A	51	8	15.7

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
37	0	0	5	0

*No CLSI interpretation available

Clinical cultures of interest

Source	Identification	Number
Rectum	<i>Neisseria meningitidis</i>	1
Urethra	<i>Neisseria meningitidis</i>	4

Reference cultures

Source	Identification	Number
Other	<i>Bacillus amyloliquefaciens</i> *	1
Blood	<i>Bacillus pumilus</i> *	1
Stool	<i>Bacillus subtilis</i> *	1
BAL	<i>Microsporium ferrugineum</i> *	1
Blood	<i>Salmonella</i> (Group D1) <i>Enteritidis</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.

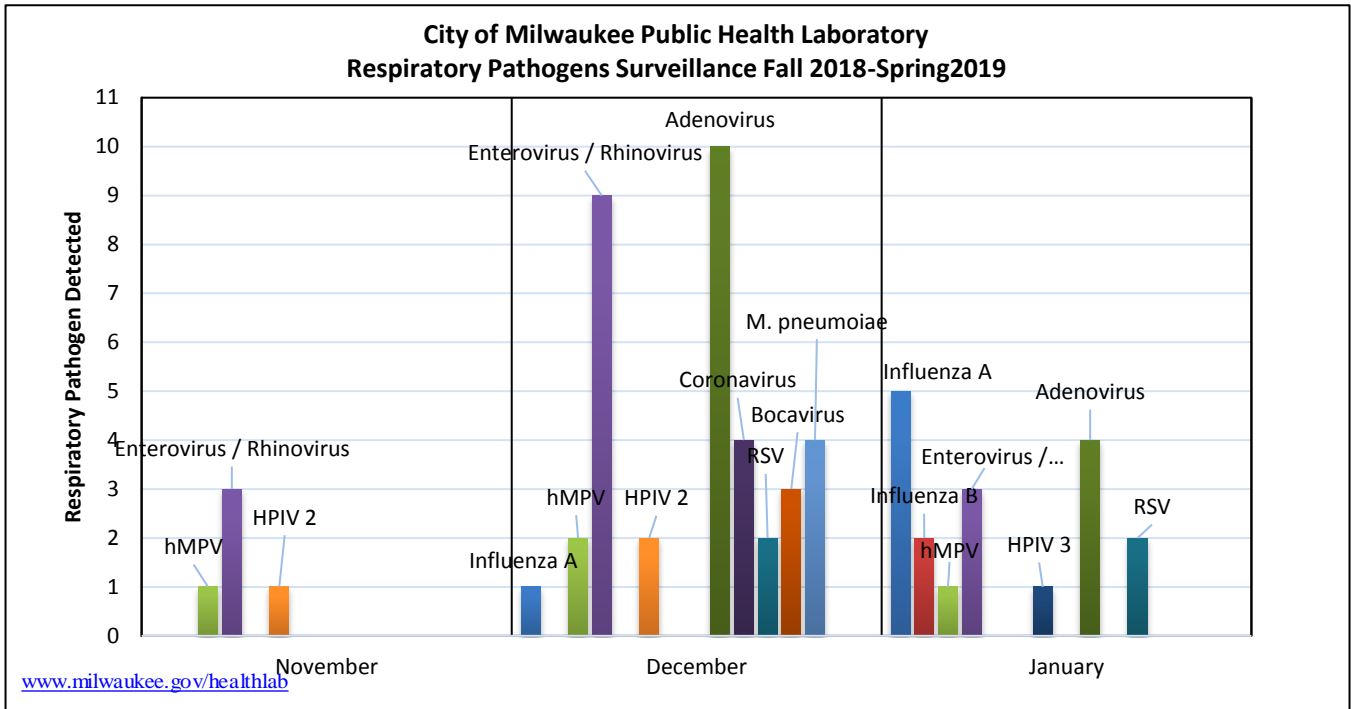
Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Herpes simplex virus	Real time PCR	24	5	21
Mumps virus	Real time RT-PCR	2	1	50
Influenza	Real time RT-PCR	15	7	47
Varicella zoster	Real time PCR	1	1	100

Respiratory Pathogens Surveillance:

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	1	4
Entero/Rhinovirus	3	13
Parainfluenza virus type 2	0	0
Parainfluenza virus type 3	1	4
Bocavirus	0	0

Specimens tested: n = 23 (January 2018)



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*