

## SUMMARY OF CONFIRMED INFECTIONS

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### Syphilis

Test	Total	Test	Total
EIA Reactive	28	Darkfield Reactive	0
VDRL Reactive	1	TP-PA Reactive	7

### New Cases of Syphilis

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

Source: Wisconsin Division of Health

### HIV

Test	Total	Reactive	Percent (%)
EIA-HIV Ag/Ab combo	241	3	1.2

### *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	401	41	10.2	402	29	7.2	253	17	6.7
Throat	323	8	2.5	411	26	6.3			
Rectal	163	17	10.4	165	15	9.1			
Vaginal	0	0	N/A	0	0	N/A	50	4	8.0

## Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
37	0	1	1	0

\*No CLSI interpretation available

## Clinical cultures

Source	Identification	Number
Throat	<i>Moraxella catarrhalis</i> ( <i>Branhamella catarrhalis</i> )	2
Cervix	<i>Neisseria gonorrhoeae</i>	10
Rectum	<i>Neisseria gonorrhoeae</i>	1
Throat	<i>Neisseria gonorrhoeae</i>	8
Urethra	<i>Neisseria gonorrhoeae</i>	14
Cervix	<i>Neisseria meningitidis</i>	1
Rectum	<i>Neisseria meningitidis</i>	1
Throat	<i>Neisseria meningitidis</i>	9
Urethra	<i>Neisseria meningitidis</i>	6

## Reference cultures

Source	Identification	Number
Blood	<i>Aggregatibacter aphrophilus</i>	1
Stool	<i>Bacillus subtilis</i>	1
Trachial Aspirate	<i>Corynebacterium pseudodiphtheriticum</i>	1
Stool	<i>Escherichia coli</i>	1
Stool	<i>Salmonella</i> (Group G) <i>agbeni</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.

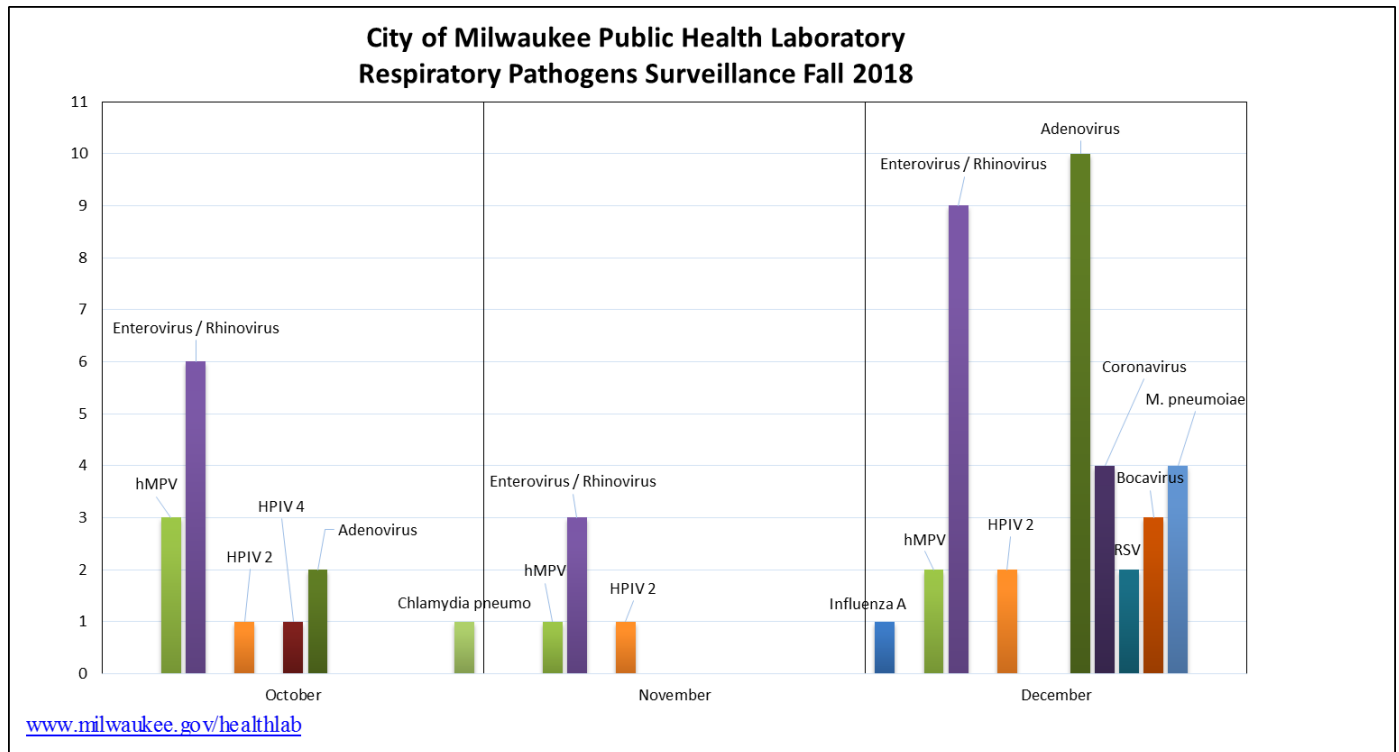
## Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
<i>Bordetella pertussis</i>	Real time PCR	8	0	<b>0</b>
Herpes simplex virus	Real time PCR	28	5	<b>17</b>
Mumps virus	Real time RT-PCR	1	0	<b>0</b>
Influenza	Real time RT-PCR	17	1	<b>5.8</b>
Varicella zoster	Real time PCR	1	0	<b>0</b>

**Respiratory Pathogens Surveillance:**

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	2	7.4
Entero/Rhinovirus	9	33.3
Parainfluenza virus type 2	2	7.4
Parainfluenza virus type 3	0	0
Bocavirus	3	11

Specimens tested: n = 27 (December 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*, *Mycoplasma pneumoniae*, and *Legionella pneumophila*