

## SUMMARY OF CONFIRMED INFECTIONS

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### Syphilis

Test	Total	Test	Total
RPR Reactive	2	Darkfield Reactive	0
VDRL Reactive	13	TP-PA Reactive	11

### New Cases of Syphilis

Stage	Number of Cases	
	July 2018	July 2017
Primary syphilis	1	1
Secondary syphilis	0	3
Early latent	1	3
Late latent	0	0
Total	2	7

Source: Wisconsin Division of Health

### *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	528	53	10	528	42	8	318	19	6
Throat	323	7	2.2	335	17	5.1			
Rectal	98	8	8.2	98	6	6.1			
Vaginal	0	0	N/A	0	0	N/A	70	10	14

### Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased-Susceptible (DS) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
49	0	0	4 (DS)	N/A

\*No CLSI interpretation available

### Clinical cultures (genital)

Organism	Number Isolates	Organism	Number Isolates
<i>Mycoplasma hominis</i>	2	<i>Neisseria meningitidis</i>	1
<i>Ureaplasma urealyticum</i>	2	<i>Neisseria gonorrhoeae</i>	34

### Clinical cultures (non-genital)

Age	Sex	Source	Identification
55	M	Sputum	<i>Legionella pneumophila</i>

### Reference cultures

Age	Sex	Source	Identification
58	F	Stool	<i>Bacillus cereus</i> group other than <i>B. anthracis</i> *
45	M	Stool	<i>Campylobacter jejuni</i> *
64	M	Stool	<i>Campylobacter jejuni</i> *
69	M	Stool	<i>Campylobacter jejuni</i> *
89	U	Unknown	<i>Salmonella enterica</i> subspecies I ( <i>enterica</i> )
82	M	Whole Blood	<i>Salmonella</i> Enteritidis
81	F	Urine	<i>Salmonella</i> Montevideo

\*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.

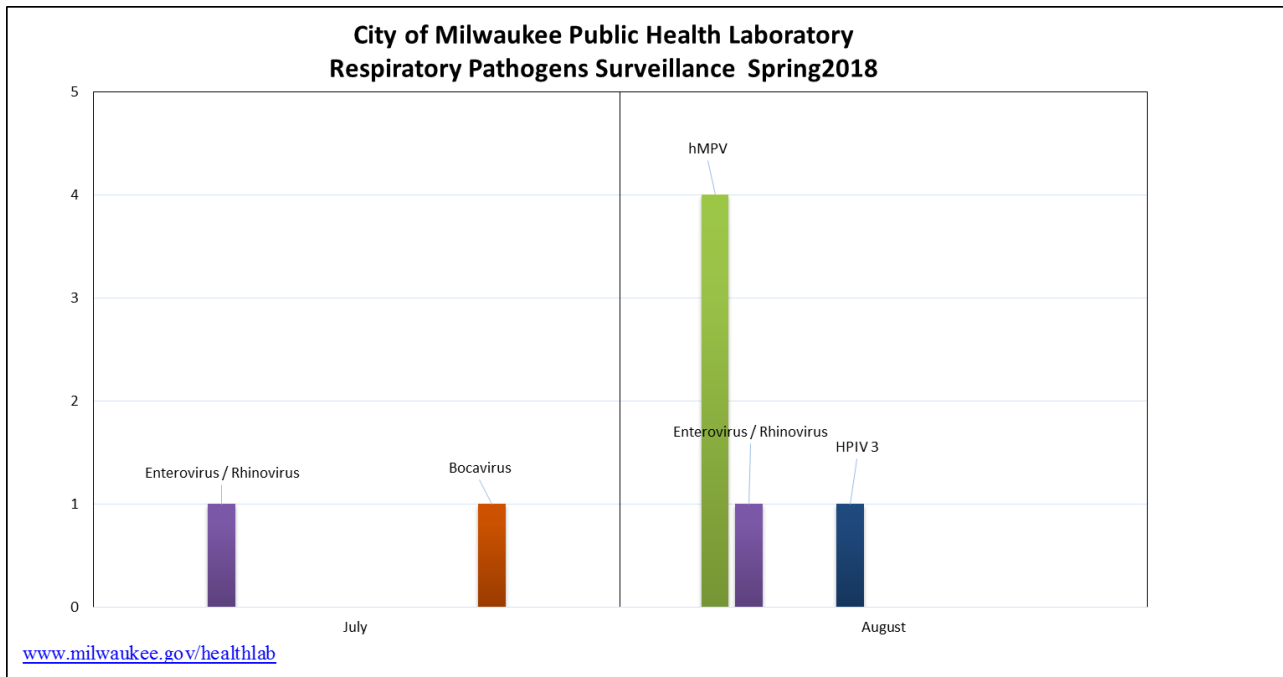
### Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
<i>Bordetella pertussis</i>	Real time PCR	1	0	<b>0</b>
Herpes simplex virus	Real time PCR	33	7	<b>21</b>
Influenza virus	Real time RT-PCR	0	0	<b>0</b>
Mumps virus	Real time RT-PCR	1	0	<b>0</b>
<i>Mycobacterium tuberculosis</i>	Real time PCR	2	2	<b>na</b>

**Respiratory Pathogens Surveillance:**

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human metapneumovirus	4	100
Enterovirus/Rhinovirus	1	25
Human parainfluenza virus type 3	1	25

Specimens tested: n = 4 (July 2018 – Not including Influenza A 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*, *Mycoplamsa pneumoniae*, and *Legionella pneumophila*