



Bevan K. Baker,  
Commissioner of Health  
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# SUMMARY OF CONFIRMED INFECTIONS

June 2017

Sanjib Bhattacharyya, PhD  
Laboratory Director

## Syphilis

Test	Total	Test	Total
RPR Reactive	9	Darkfield Reactive	0
VDRL Reactive	40	TP-PA Reactive	28

## Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Susceptible (S) / Resistant (R) Antibiotics			
	Cefixime	Ceftriaxone	Azithromycin	Gentamicin*
41	0	0	0	0

\* No CLSI interpretation available

## Reference Cultures

Age	Sex	Source	Identification
35	M	Stool	<i>Campylobacter jejuni</i>
26	F	Stool	<i>Campylobacter jejuni</i>
49	F	Genital	<i>Neisseria gonorrhoeae</i>
30	F	Genital	<i>Neisseria gonorrhoeae</i>
80	M	Leg wound	<i>Nocardia otitidis caviarum</i>
32	M	Stool	<i>Salmonella</i> Enteritidis
59	F	Whole Blood	<i>Salmonella</i> Enteritidis

**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
80	M	Leg wound	16S rRNA	<i>Nocardia otitidis caviarum</i>
35	M	Stool	16S rRNA	<i>Campylobacter jejuni</i>
26	F	Stool	16S rRNA	<i>Campylobacter jejuni</i>
61	F	Synovial fluid	16S rRNA	<i>Bacillus spp.</i>

### Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Norovirus	Real time RT-PCR	5	0	<b>0</b>
Mumps virus	Real time RT-PCR	1	0	<b>0</b>
<i>Bordetella pertussis</i>	Real time PCR	10	0	<b>0</b>
Herpes simplex virus	Real time PCR	32	12	<b>37</b>

### *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	602	70	<b>12</b>	602	50	<b>8</b>	407	42	<b>10</b>
Throat	421	4	<b>1</b>	463	21	<b>5</b>			
Rectal	139	11	<b>8</b>	139	16	<b>12</b>			
Vaginal							96	20	<b>20</b>

### Virus/*Chlamydia trachomatis* Isolation from Clinical Specimens

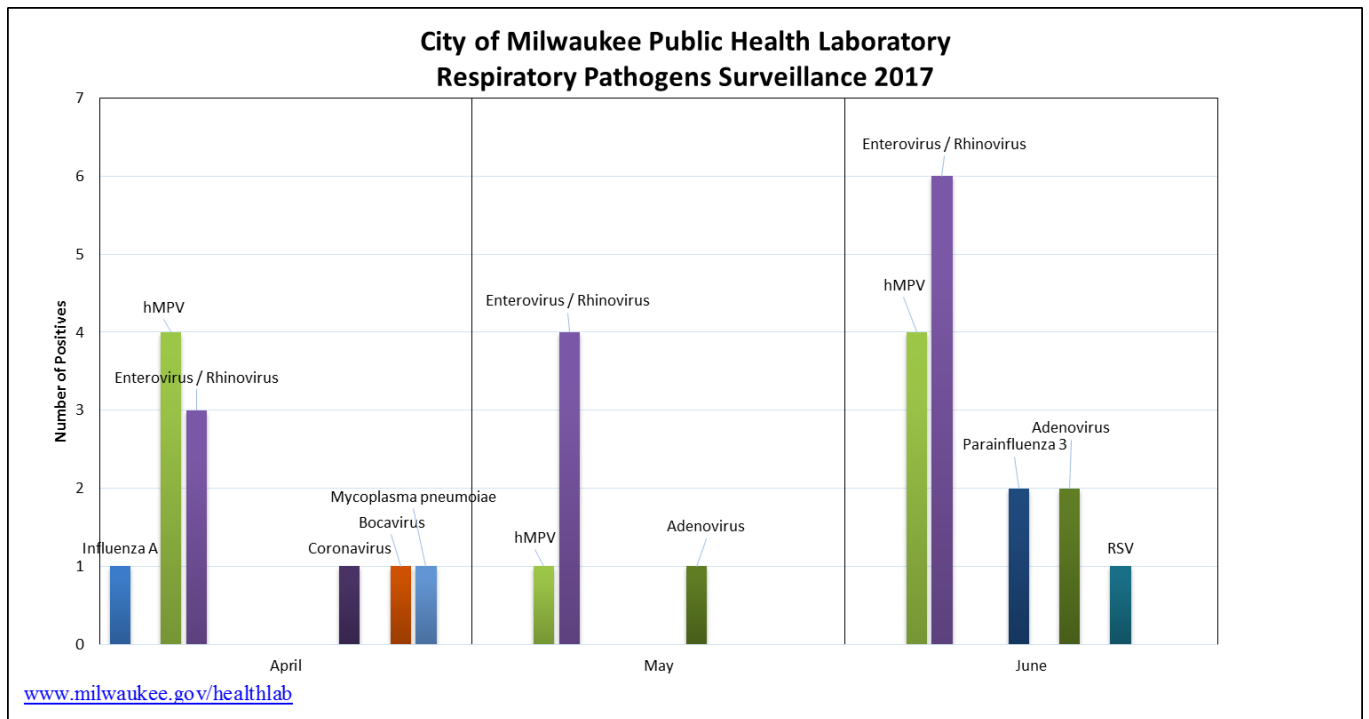
Agent	Virus Isolated in Culture		
	Throat	Virus swab – Other*	Isolates (Total %)
Human Parainfluenza virus	0	2	<b>6</b>
Human Enterovirus	0	5	<b>19</b>
Human Metapneumovirus	0	2	<b>6</b>

\* Includes lung, NP/Throat combined, Cytomegalovirus(CMV) shell vials, and unspecified sources  
 Specimens tested for virus: n = 31 (June 2017); Specimen tested for *Chlamydia* detection in culture: n = 4 (June 2017)

**Respiratory Pathogens Surveillance:**

Respiratory Pathogen Panel Test Results		
Virus	Positives	Percent (%)
Human Metapneumovirus	4	44
Enterovirus/Rhinovirus	6	67
Human Adenovirus	2	22
Human parainfluenza virus	2	22
Human Respiratory Syncytial virus	1	11

Specimens tested: n = 9 (June 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*