

## SUMMARY OF CONFIRMED INFECTIONS

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### Syphilis

Test	Total	Test	Total
RPR Reactive	4	Darkfield Reactive	0
VDRL Reactive	26	TP-PA Reactive	10

### Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased Susceptible (DS) / Resistant (R) Antibiotics			
	Ciprofloxacin	Cefixime	Ceftriaxone	Azithromycin
22	2(R)	0	0	0

### Reference Cultures

Age	Sex	Source	Identification
51	M	Stool	<i>Campylobacter jejuni</i>
69	M	Bile fluid	<i>Escherichia coli</i>
56	M	Conjunctiva	<i>Neisseria gonorrhoeae</i>
72	F	Urine	Salmonella Hadar

**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
71	M	Bronchial wash	16S rRNA	<i>Streptomyces californicus</i>

**Molecular Amplification**

Agent	Method	Tested	Positives	Percent (%)
Norovirus	Real time RT-PCR	6	0	0
Mumps virus	Real time RT-PCR	2	0	0
Rubella virus	Real time RT-PCR	1	0	0
<i>Bordetella pertussis</i>	Real time PCR	4	0	0
Enterovirus	Real time RT-PCR	1	1	100
<i>Mycoplasma pneumoniae</i>	Real time PCR	1	1	100
Herpes simplex virus	Real time PCR	42	18	42

***Chlamydia trachomatis* (CT) and *Neisseria gonorrhoea* (GC) Nucleic Acid Amplification**

Source	Tested	CT		GC	
		Positives	Percent (%)	Positives	Percent (%)
Urine	485	60	12	27	6
Throat or NP	317	8	3	15	5
Rectal	119	15	13	5	4

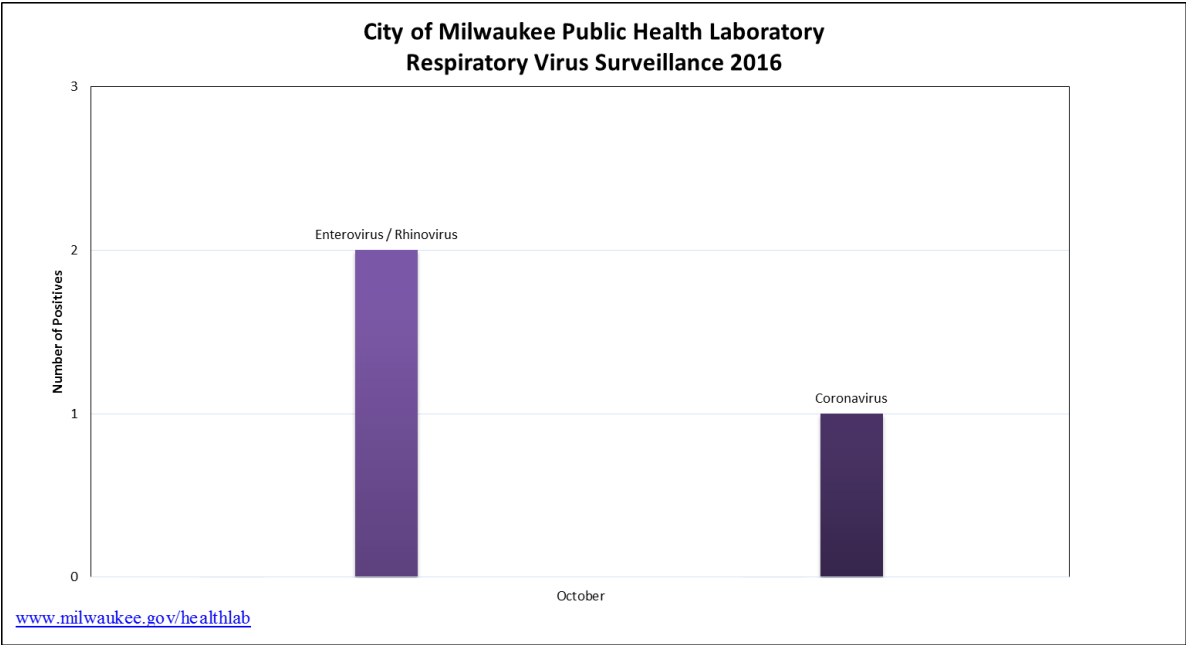
**Virus/*Chlamydia trachomatis* Isolation from Clinical Specimens**

- Specimen tested for Cytomegalovirus(CMV) immediate early antigen: n = 6 (October 2016)
- Specimen tested for *Chlamydia* detection by culture: n = 1 (October 2016)
- Specimens tested for virus isolation: n = 14 (October 2016)

**Respiratory Virus Surveillance:**

Respiratory Virus Panel Test Results		
Virus	Positives	Percent (%)
Enterovirus / Rhinovirus	2	14
Coronavirus OC43	1	7

**Specimens tested: n = 14 (Oct 2016 – 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 (hMVP), Enterovirus/ Rhinovirus (ENT/HRV), Adenovirus, Parainfluenza (HPIV 1-4), Coronavirus and Boca viruses.**