



# City of Milwaukee Health Department Laboratory

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## SUMMARY OF CONFIRMED INFECTIONS

### August 2016

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Deputy Laboratory Director

#### Syphilis

Test	Total	Test	Total
RPR Reactive	1	Darkfield Reactive	0
VDRL Reactive	43	TP-PA Reactive	16

#### New Cases of Syphilis

Stage	Number of Cases	
	Aug 2016	Aug 2015
Primary syphilis	0	0
Secondary syphilis	0	1
Early latent	1	4
Late latent	1	2
Total	2	7

Source: Wisconsin Division of Health

#### Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased Susceptible (DS) / Resistant (R) Antibiotics			
	Ciprofloxacin	Cefixime	Ceftriaxone	Azithromycin
38	0	0	0	0

#### Reference Cultures

Age	Sex	Source	Identification
12	M	Stool	<i>Campylobacter jejuni</i>
53	F	Genital	<i>Neisseria gonorrhoeae</i>
68	M	Blood	<i>Salmonella</i> Infantis
52	F	Urine	<i>Salmonella</i> Ohio

**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
70	M	Stool	16S rRNA	<i>Campylobacter jejuni</i>
70	M	Stool	16S rRNA	<i>Campylobacter jejuni</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
<i>Bordetella pertussis</i>	Real time PCR	3	0	0
Herpes simplex virus	Real time PCR	39	8	21

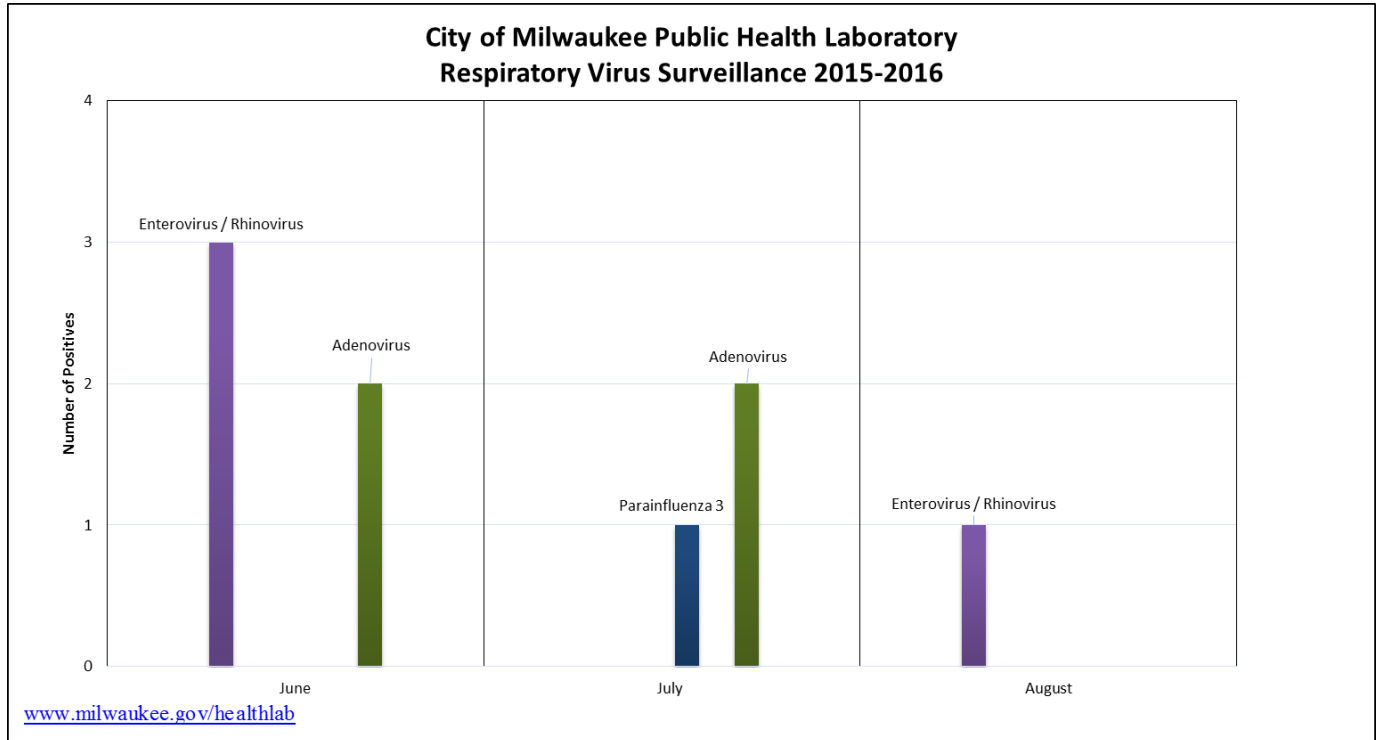
#### Chlamydia (CT) and Gonorrhea (GC) Nucleic Acid Amplification Testing

Source	Tested	CT		GC	
		Positives	Percent (%)	Positives	Percent (%)
Urine	520	59	11	37	7
Throat or NP	311	5	2	19	6
Rectal	89	7	8	6	7

**Respiratory Virus Surveillance:**

Respiratory Virus Panel Test Results		
Virus	Positives	Percent (%)
Human Rhinovirus / Enterovirus	1	12.5

Specimens tested: n = 8 (Aug 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.**