



City of Milwaukee Health Department Laboratory

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# SUMMARY OF CONFIRMED INFECTIONS

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## Syphilis

Test	Total	Test	Total
RPR Reactive	2	Darkfield Reactive	0
VDRL Reactive	33	TP-PA Reactive	15

## New Cases of Syphilis

Stage	Number of Cases	
	July 2016	July 2015
Primary syphilis	2	0
Secondary syphilis	1	0
Early latent	0	0
Late latent	0	1
Total	3	1

Source: Wisconsin Division of Health

## Gonorrhea Antimicrobial Susceptibility Testing

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

## Reference Cultures

Age	Sex	Source	Identification
24	F	Wound	<i>Neisseria gonorrhoeae</i>
67	M	Stool	<i>Salmonella</i> Adelaide
9	F	Urine	<i>Salmonella enterica</i> subsp. IIIb (diarizonae)
52	F	Urine	<i>Salmonella</i> Ohio
3	F	Urine	<i>Shigella sonnei</i>

**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
68	F	Urine	16S rRNA	<i>Pantoea</i> species

#### Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Norovirus	Real time RT-PCR	2	0	0
Mumps virus	Real time RT-PCR	18	0	0
Measles virus	Real time RT-PCR	1	0	0
<i>Bordetella pertussis</i>	Real time PCR	2	0	0
Herpes simplex virus	Real time PCR	38	15	39

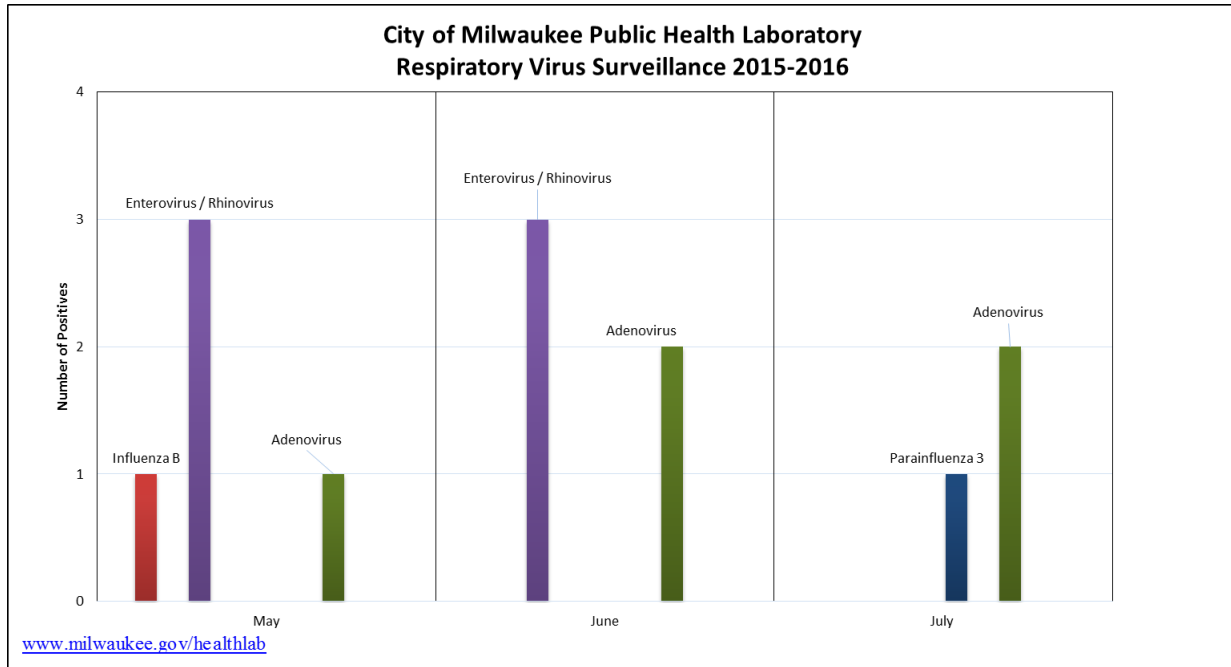
#### Chlamydia (CT) and Gonorrhea (GC) Nucleic Acid Amplification Testing

Source	Tested	CT		GC	
		Positives	Percent (%)	Positives	Percent (%)
Urine	439	56	13	36	8
Throat or NP	304	8	3	16	5
Rectal	103	9	9	3	3

**Respiratory Virus Surveillance:**

Respiratory Virus Panel Test Results		
Virus	Positives	Percent (%)
Human Parainfluenza virus	1	6.6
Human Adenovirus	2	13.3

Specimens tested: n = 15 (July 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.**