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CITY OF MILWAUKEE HEALTH DEPARTMENT
Bevan K. Baker, Commissioner of Health
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SUMMARY OF CONFIRMED INFECTIONS

June 2015

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Syphilis

Test	Total	Test	Total
RPR Reactive	1	Darkfield Reactive	0
VDRL Reactive	27	TP-PA Reactive	4

New Cases of Syphilis

Stage	Number of Cases	
	June 2015	June 2014
Primary syphilis	0	1
Secondary syphilis	1	1
Early latent	1	0
Late latent	0	4
Total	2	6

Source: Wisconsin Division of Health

Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased Susceptible (DS) / Resistant (R) Antibiotics			
	Ciprofloxacin	Cefixime	Ceftriaxone	Azithromycin
47	4	0	0	0

Isolates Other Than *N. gonorrhoeae*

Organism	Site	Number Isolates	Organism	Site	Number Isolates
Mycoplasma hominis	Genital	4	*Ureaplasma urealyticum*	Genital	8

Reference Cultures

Age	Sex	Source	Identification
78	F	Leg tissue	*Bacillus* species, NOT *B. anthracis*
38	M	Stool	*E. coli* O157:H7
30	M	Urine	*Neisseria gonorrhoeae*
41	F	Stool	*Salmonella* Enteritidis
4m	F	Stool	*Salmonella* IV 44:z4,z23:-
5m	M	Stool	*Salmonella* Muenchen
39	M	Stool	*Salmonella* Typhimurium
21	M	Stool	*Salmonella* Typhimurium
43	F	Stool	*Salmonella* Typhimurium
91	M	Blood	*Salmonella* Typhimurium var O:5:-
35	M	Stool	*Shigella flexneri* type 2

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 fungus isolates.

Age	Sex	Source	Target gene	Final Identification
40	M	Stool	16S	*Campylobacter jejuni*
43	M	Blood	16S	*Bifidobacterium breve*
49	M	Blood	16S	*Neisseria meningitidis*
67	F	Lung tissue	16S	*Gordonia bronchialis*

Virus Isolations from Clinical Specimens

Age	Sex	Source	Symptoms	Agent
22	F	Throat	ILI	Human Rhinovirus

ILI = Influenza-like Illness

Herpes Simplex Virus Isolations

Agent	Number of Isolates
Herpes simplex Type 1	6
Herpes simplex Type 2	4

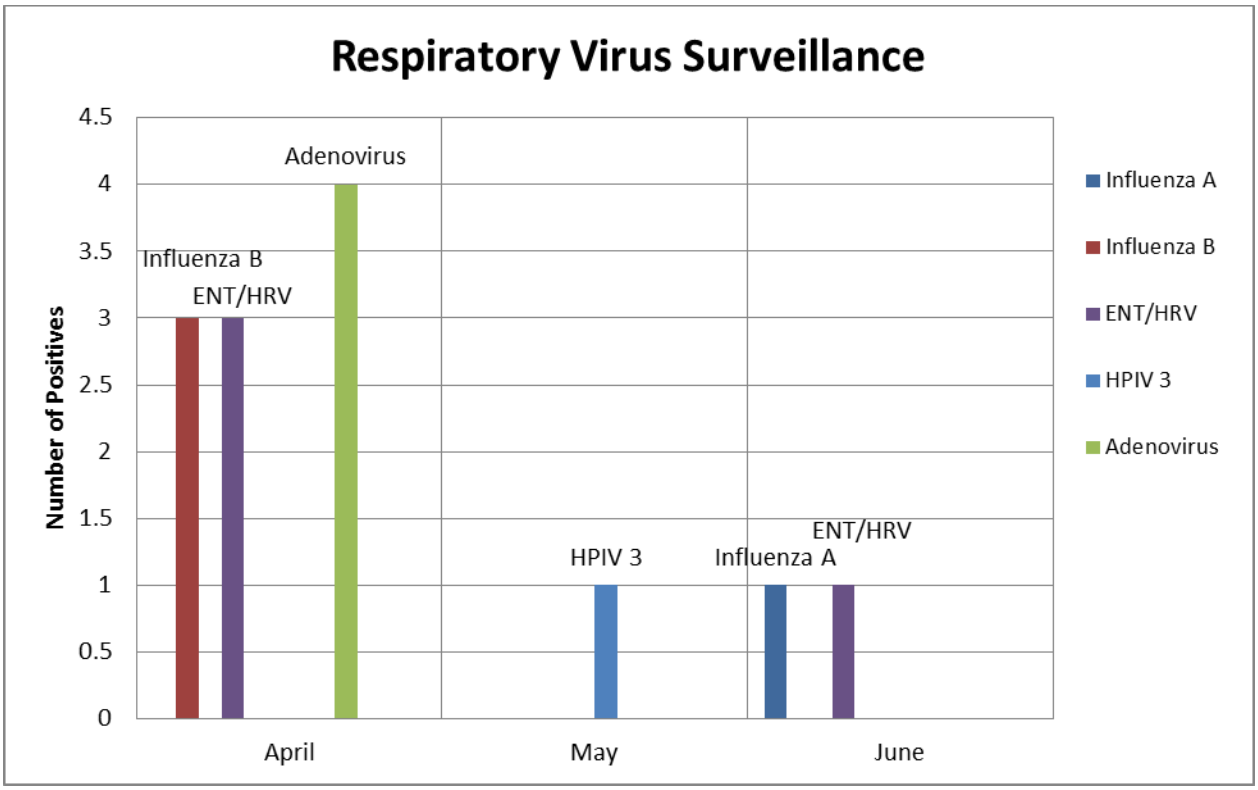
Molecular Amplification and PCR

Agent	Method	Tested	Positive	% Positive
Influenza virus	Real time RT-PCR	5	0	0
Herpes virus	Real time PCR	10	3	30
Norovirus	Real time RT-PCR	10	1	10
Mumps virus	Real time RT-PCR	1	0	0
Bordetella pertussis	Real time RT-PCR	4	0	0

Chlamydia (CT) and Gonorrhea (GC) Molecular Testing

Source	Tested	CT Positive	GC Positive
Urine	658	84	44
Throat or NP swabs	343	3	18
Rectal swabs	94	15	8

Respiratory Virus Surveillance:

Respiratory Virus Panel Test Results		
Virus	**Positives**	**Percent (%)**
Human Rhinovirus / Enterovirus	**1**	**10**

Samples tested: n = 10 (June, 2015 – *Not including Influenza data*)