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# SUMMARY OF CONFIRMED INFECTIONS

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## Syphilis

Test	Total	Test	Total
RPR Reactive	1	Darkfield Reactive	0
VDRL Reactive	17	TP-PA Reactive	9

## New Cases of Syphilis

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

Source: Wisconsin Division of Health

## Gonorrhea Antimicrobial Susceptibility Testing

Number Tested	Non-Susceptible (NS) / Decreased Susceptible (DS) / Resistant (R) Antibiotics			
	Ciprofloxacin	Cefixime	Ceftriaxone	Azithromycin
33	3 (R)	0	0	0

## Isolates other than *N. gonorrhoeae*

Organism	Site	Number Isolates
<i>Mycoplasma hominis</i>	Genital	2
<i>Ureaplasma urealyticum</i>	Genital	8

## Reference Cultures

Age	Sex	Source	Identification
28	F	Genital	<i>Neisseria gonorrhoeae</i>
29	M	Conjunctiva	<i>Neisseria gonorrhoeae</i>
32	M	Stool	<i>Salmonella</i> Cotham

**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
64	M	Stool	16S	<i>Campylobacter jejuni</i>
31	M	Stool	16S	<i>Campylobacter jejuni</i>
59	M	Stool	16S	<i>Campylobacter jejuni</i>
38	M	Abdominal swab	16S	<i>Actinomyces israelii</i>
23	M	Blood	16S	<i>Campylobacter fetus</i>

## Virus Isolations from Clinical Specimens

Age	Sex	Source	Symptoms	Agent
M6	F	NP	Autopsy	Coronavirus NL63

ILI = Influenza-like Illness

## Herpes Simplex Virus Isolations

Agent	Number of Isolates
Herpes simplex Type 1	0
Herpes simplex Type 2	2

## Molecular Amplification

Agent	Method	Tested	Positives	Percent (%)
Norovirus	Real time RT-PCR	21	11	52
Influenza virus	Real time RT-PCR	2	0	0
Herpes virus	Real time PCR	6	0	0
Mumps virus	Real time RT-PCR	4	0	0

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

Source	Tested	CT		GC	
		Positives	Percent (%)	Positives	Percent (%)
Urine	498	62	12.4	44	8.8
Throat or NP swabs	357	7	1.9	14	3.9
Rectal swabs	147	12	8.1	10	6.8

**Respiratory Virus Surveillance:**

Respiratory Virus Panel Test Results		
Virus	Positives	Percent (%)
Influenza A	2	14
Enterovirus / Rhinovirus	4	28
Adenovirus	1	7
Coronavirus	1	7

Samples tested: n = 14 (January, 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 (hMPV), Enterovirus/ Rhinovirus (ENT/HRV), Adenovirus, Parainfluenza (HPIV 1-4), Coronavirus and Boca viruses.**

