

SUMMARY OF CONFIRMED INFECTIONS

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The May 2008 issue presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during April 2008 and new cases of syphilis in Milwaukee during March 2008. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during March is also included.

Legionnaires Disease (April 2008)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
59	M	+	ND	ND

ND = Not done

Syphilis (April 2008)

Test	Number Positive	Test	Number Positive
RPR	3	TPPA	14
VDRL	41	DARKFIELD	0

New Cases of Syphilis (March 2008 and March 2007)

Stage	Number of Cases	
	March 2008	March 2007
Primary syphilis	1	1
Secondary syphilis	3	6
Early latent	5	2
Late latent	1	1
Total	10	10

Median age: 43 yr; Age range: 18 – 79 yr

Source: Wisconsin Division of Health

Gonorrhea Antimicrobial Susceptibility Testing (April 2008)

Number Tested	Decreased Susceptibility (DS) / Intermediate (I) / Resistance (R) Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
68	3 I; 6 R	0	0	4 DS

Isolates Other Than *N. gonorrhoeae* (April 2008)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>		0	<i>Mycoplasma hominis</i>	Urethra	3

Enteric Parasites Identified (April 2008)

Age	Sex	Parasite
26	F	<i>Blastocystis hominis</i>
28	F	<i>Blastocystis hominis</i>
29	F	<i>Clonorchis sinensis</i>
4	F	<i>Entamoeba coli</i>
7	F	<i>Entamoeba coli</i>
19	F	<i>Entamoeba coli</i>
63	M	<i>Entamoeba</i> species
13	M	<i>Entamoeba</i> species
26	M	<i>Entamoeba</i> species
19	M	<i>Giardia lamblia</i>
7	M	<i>Giardia lamblia</i>
8	F	<i>Giardia lamblia</i>
41	M	<i>Giardia lamblia</i>
6	M	<i>Giardia lamblia</i>
36	F	<i>Entamoeba coli</i>
		<i>Iodamoeba buetschlii</i>
10	F	<i>Entamoeba coli</i>
		<i>Iodamoeba buetschlii</i>
17	M	<i>Entamoeba coli</i>
		<i>Iodamoeba buetschlii</i>
		<i>Endolimax nana</i>
11	F	<i>Giardia lamblia</i>
		<i>Iodamoeba buetschlii</i>
4	F	<i>Giardia lamblia</i>
		<i>Trichuris trichiura</i>

Mycobacterial Infections (April 2008)

Age	Sex	Test Results			Identification
		Sputum Smear	Culture	DNA Probe	
47	M	-	+	+	<i>Mycobacterium avium</i> complex
52	M	-	+	+	<i>Mycobacterium avium</i> complex

Reference Cultures (April 2008)

Age	Sex	Source	Culture Identification
54	M	Fluid (Paracentesis)	<i>Acinetobacter lwoffii</i>
7	F	Whole Blood	<i>Brucella melitensis</i>
61	M	Stool	<i>Campylobacter jejuni</i>
53	M	Fluid (Liver drainage)	<i>Clostridium</i> species
29	M	Stool	<i>Escherichia coli</i> O157:H7
71	F	Urine	<i>Escherichia coli</i> , other than <i>E. coli</i> O157:H7
53	F	Stool	<i>Escherichia coli</i> , other than <i>E. coli</i> O157:H7
34m	F	Stool	<i>Escherichia coli</i> , other than <i>E. coli</i> O157:H7
77	F	Fluid (Bile)	<i>Haemophilus segnis</i>
75	F	Surface Wound (Left foot)	<i>Mycobacterium chelonae</i>
35	M	Surface Wound (Left leg)	<i>Neisseria canis</i>
18	F	Vagina	<i>Neisseria gonorrhoeae</i>
20	F	Not Specified	<i>Neisseria gonorrhoeae</i>
34	M	Urethra	<i>Neisseria gonorrhoeae</i>
58	F	Stool	<i>Salmonella</i> Braenderup
84	M	Urine	<i>Salmonella</i> Enteritidis
92	F	Stool	<i>Salmonella</i> Hadar
4	F	Stool	<i>Salmonella</i> Infantis
6m	M	Cerebrospinal Fluid	<i>Salmonella</i> Poona
31	M	Whole Blood	<i>Salmonella</i> Typhi
75	M	Swab (Left leg)	<i>Staphylococcus aureus</i>
24	M	Stool	<i>Shigella flexneri</i> type 2
31m	M	Stool	<i>Shigella sonnei</i>
5	M	Stool	<i>Shigella sonnei</i>
34m	F	Stool	<i>Shigella sonnei</i>
34m	F	Stool	<i>Shigella sonnei</i>
5	F	Stool	<i>Shigella sonnei</i>
18	F	Stool	<i>Shigella sonnei</i>
27	M	Stool	<i>Shigella sonnei</i>
26	F	Stool	<i>Shigella sonnei</i>
75	F	Whole Blood	<i>Yersinia enterocolitica</i>

Bacterial Enteric Pathogens (April 2008)

Age	Sex	Pathogen
8	F	<i>Shigella sonnei</i>
10	F	<i>Shigella sonnei</i>

Laboratory Diagnosed Mycobacterial Infections in Wisconsin during month of March, 2008

Mycobacterium species		Brown	Dane	Eau Claire	Kenosha	La Crosse	Marathon	Milwaukee	Outagamie	Portage	Racine	Rock	Trempealeau	Washington	Waukesha	Waushara	Winnebago	Wood	TOTALS	
<i>M. tuberculosis</i> complex	Pulm							2												2
	Extra							1												1
Total M. tuberculosis complex		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
<i>M. avium</i> complex	Pulm	2	4	1		1		41			1	1		1	2		2	3		59
	Extra		2																	2
<i>M. gordonae</i>	Pulm		3			2	1	5	1	1		2	1		1		1	2		20
<i>M. chelonae-abscessus</i>	Pulm	1	1	1			1	3	1			1			1				2	12
	Extra		1																	1
<i>M. fortuitum</i> group	Pulm	1	1		1			2			1					1				7
	Extra							1	1								1			3
<i>M. kansasii</i>	Pulm							1												1
<i>M. marinum</i>	Pulm																			0
	Extra														1					1
<i>M. mucogenicum</i>	Pulm							1	2											3
<i>M. xenopi</i>	Pulm		1			1		2												4
<i>M. nebraskense</i>	Pulm																		1	1
<i>M. porcinum</i>	Pulm		1																	1
<i>M. species (not TB)</i>	Pulm					1														1
TOTALS		4	14	2	1	5	2	56	5	1	2	4	1	1	5	1	4	8	116	

Extra-Pulmonary Sources of Isolation:

<i>M. tuberculosis</i> Extra-pulmonary:	1 urine
<i>M. avium</i> complex Extra-pulmonary:	1 face, 1 stool
Other <i>Mycobacterium</i> species	<i>M. chelonae/abscessus</i> : 1 corneal scraping; <i>M. fortuitum</i> group: 1 neck, 1 gluteal, 1 finger wound; <i>M. marinum</i> : 1 finger

***M. tuberculosis* complex First-Line Drug Susceptibility Testing*:**

Drug Resistance	Number of Isolates
Susceptible to all first-line drugs	2
Out of State (susceptible to all first-line drugs)	1
TOTAL	3

(*) Drugs tested: isoniazid=INH (0.2 ug/ml and 1.0 ug/ml), rifampin (1.0 ug/ml), ethambutol (5.0 ug/ml), and pyrazinamide=PZA (100 ug/ml).

Source: Mycobacteriology Laboratory Network Data Report, WI State Laboratory of Hygiene, Madison, WI.

SUMMARY OF CONFIRMED INFECTIONS

May 2008 Report

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April 2008 Data

Age	Sex	Specimen	Symptoms	Agent
21	M	Throat swab	Sore throat, fever, headache	Influenza A (H3)
39	M	Lung swab	Autopsy	Influenza A (H3)
58	M	NP swab	Influenza A/B confirmation	Influenza B
54	M	NP swab Left lung swab	Autopsy	Influenza B
42	M	NP swab	Influenza A/B confirmation	Influenza B
55	M	NP swab	Influenza A/B confirmation	Influenza B
85	M	NP swab	Influenza A/B confirmation	Influenza B
54	M	NP swab	Influenza A/B confirmation	Influenza B
8	M	BAL/RMK cells	Reference Isolate	Influenza B
81	M	NP swab	Influenza A/B confirmation	Influenza B
75	M	NP swab	Influenza A/B confirmation	Influenza B
59	F	NP swab	Influenza A/B confirmation	Influenza B
20	M	Throat swab	URI, fever, headache	Influenza B
35	F	NP swab	Influenza A/B confirmation	Influenza B
65	M	NP swab	Influenza A/B confirmation	Influenza B
47	M	NP swab	Influenza A/B confirmation	Influenza B and Rhinovirus
2 mo	F	Colon swab	Autopsy	Adenovirus
84	M	NP	Influenza A/B confirmation	Respiratory Syncytial Virus
73	M	NP	Influenza A/B confirmation	Rhinovirus
7 mo	F	Lung swab	Autopsy	Rhinovirus
N/A	M	Stool	N/A	Coxsackievirus A20
3 mo	F	NP/RMK cells	Referred isolate	Coxsackievirus B1
13	F	Cervix	N/A	Cytomegalovirus
21	F	Abdomen	Vesicular lesion	Varicella-zoster Virus
23	M	Arm	Vesicular grouping	Varicella-zoster Virus

