

MICROBIOLOGY DIVISION – MILWAUKEE HEALTH DEPARTMENT

MONTHLY REPORT

January 2006 Vol. 11, No. 1

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MICROBIOLOGY REPORT: The January 2006 issue of Microbiology Monthly Report, Volume 11, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during December 2005 and new cases of syphilis in Milwaukee during November 2005. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during November is also included.

Legionnaires Disease (December 2005)

No positive case was detected.

Pertussis (Whooping cough) December 2005

No positive case was detected.

Syphilis (December 2005)

Test	Number Positive	Test	Number Positive
RPR	0	FTA-ABS	6
VDRL	33	DARK FIELD	0

New Cases (Syphilis)

The Wisconsin Division of Health has reported 4 new cases (early stages) of syphilis during November 2005 in Milwaukee. The median age of early syphilis cases is 35.5 years (range: 20-50 years). Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

New Cases of Syphilis (November 2005 and November 2004)

Stage	Number of Cases	
	November 2005	November 2004
Primary syphilis	1	0
Secondary syphilis	2	0
Early latent	1	1
Late latent	1	3
Total	5	4

Gonorrhea (December 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
40	3 (1R, 2IR)	0	0	1(1DS)

IR = Intermediate Resistance DS = Decreased Susceptibility

Gonorrhea from Other Sources (Aurora Consolidated Labs) December 2005

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
3	1(IR)	0	0	0

IR = Intermediate Resistance

Isolates Other Than *N. gonorrhoeae* (December 2005)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>	Genital	23	<i>Mycoplasma hominis</i>	Genital	5

Parasitic Enteric Pathogens (December 2005)

Age	Sex	Identification	Number Cases
14	M	<i>Strongyloides rhabditiform larvae</i>	1
11	F	<i>Giardia lamblia</i>	1
		<i>Entamoeba coli</i>	
12	F	<i>Endolimax nana</i>	1
		<i>Strongyloides rhabditiform larvae</i>	
9	F	<i>Giardia lamblia</i>	1
		<i>Entamoeba coli</i>	
3	M	<i>Giardia lamblia</i>	1
24	F	<i>Entamoeba coli</i>	1
		<i>Blastocystis hominis</i>	
7	M	<i>Giardia lamblia</i>	

Mycobacterial infections (December 2005)

Age	Sex	Test Results			Identification
		Sputum Smear	Culture	DNA Probe	
26	M	-	+	+	<i>M. avium complex</i>

Bacterial Enteric Pathogens (December 2005)

Age	Sex	Pathogen	Age	Sex	Pathogen
29	F	<i>Shigella sonnei</i>	25	F	<i>Salmonella minnesota</i>
10	M	<i>Shigella sonnei</i>	58	M	<i>Salmonella grumpensis</i>
4	M	<i>Shigella sonnei</i>	79	F	<i>Salmonella mbandaka</i>
			15	F	<i>Salmonella enteritidis</i>
54	F	<i>Salmonella typhimurium</i>	30mo	M	<i>Salmonella oranienburg</i>
4mo	M	<i>Salmonella typhimurium</i>	66	F	<i>Salmonella muenchen</i>
28mo	M	<i>Salmonella typhimurium</i>	22	M	<i>Salmonella typhimurium</i>
17	M	<i>Salmonella typhimurium</i>	56	F	<i>Salmonella edinburg</i>

Reference Cultures (December 2005)

Age	Sex	Site/Specimen Source	Culture Identification
69	M	Urine	<i>Escherichia coli</i>
70	F	Sputum	<i>Streptomyces species</i>
50	M	Blood	<i>Neisseria subflava</i>
49	F	Urine	<i>Escherichia coli</i>
53	M	Urine	<i>Escherichia coli</i>
42	F	Wound	<i>Pantoea agglomerans</i>
43	M	Urine	<i>Oligella urethralis</i>
N.A.	N.A.	Other	<i>Propionebacterium acnes</i>
N.A.	N.A.	Other	<i>Propionebacterium acnes</i>

Laboratory Diagnosed Mycobacterial Infections in Wisconsin during November 2005:

<i>Mycobacterium species</i>		Brown	Dane	Eau Claire	Kenosha	Milwaukee	Outagamie	Racine	Rock	Waukesha	Winnebago	Wood	TOTALS
<i>M. tuberculosis complex</i>	Pulm	1	2			2							5
	Extra												0
Total <i>M. tuberculosis complex</i>		1	2			2							5
<i>M. avium complex</i>	Pulm	2	10	1	2	43	1	1			5	1	66
	Extra												0
<i>M. goodii</i>	Pulm	4				7				1	3	2	17
	Extra		1										1
<i>M. abscessus</i>	Pulm					2							2
	Extra												0
<i>M. chelonae</i>	Pulm			1		1			1			1	4
	Extra												0
<i>M. fortuitum group</i>	Pulm		1			4						1	6
	Extra		1										1
<i>M. kansasii</i>	Pulm	1				3							4
	Extra												0
<i>M. marinum</i>	Pulm												0
	Extra												0
<i>M. mucogenicum</i>	Pulm										1		1
	Extra					4	1						5
<i>M. xenopi</i>	Pulm					3							3
	Extra												0
<i>M. scrofulaceum</i>	Pulm	1											1
<i>M. aurum</i>	Extra					1							1
TOTALS		8	13	2	2	68	2	1	1	1	9	5	112

Extra-Pulmonary Sources of Isolation:

TBC extra-pulmonary	none
MAC extra-pulmonary	none
<i>gordoniae</i> extra-pulmonary	1 lymph node
other species extra-pulmonary	1 <i>fortuitum</i> group ascites, 4 <i>mucogenicum</i> blood, 1 <i>aurum</i> blood, 1 <i>mucogenicum</i> eye

Wisconsin TB Isolations and Antibiotic Susceptibilities:

Three TBC isolates reported are from Wisconsin State TB cases. Two isolates are from out-of-state patients.

Two of the TBC isolates were susceptible to all first-line TB drugs. One isolate was resistant to both concentrations of INH (0.2 ug/ml and 1.0 ug/ml) but susceptible to all other drugs. Two isolates have drug Susceptibility testing pending.

Source: **Mycobacteriology Laboratory Network Data Report, Wisconsin State Laboratory of Hygiene, Madison, W.**

SUMMARY OF CONFIRMED VIRUS INFECTIONS

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MILWAUKEE HEALTH DEPARTMENT

VIROLOGY DIVISION, G. SEDMAK, Ph.D. (414)286-3526

WEBSITE: www.milwaukee.gov/healthlab

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"Feedback" form on our website.**

VIRUS ISOLATION: WEEKS OF JANUARY 7TH THROUGH FEBRUARY 7, 2006

Patient	Symptoms	Specimen	Submitted	Virus
F 19 yr (UWM)	Cough, sore throat, nausea, vomiting, fever headaches	Throat swab	01/31/06	Influenza A (H3)
F 59 yr	R/O Influenza	NP Swab	01/23/06	Influenza A (H3)
M 12 yr	ARD	NP/RMK Cells	01/20/06	Influenza A (H3)
M 51 yr	ARD	Nasal/RMK Cells	01/17/06	Influenza A (H3)
M 19 yr (UWM)	Cough, Fever, Myalgia	Throat Swab	12/08/05	Parainfluenza-1

NOTE: To date this has been an extremely mild influenza virus season

F 9 mo	Diarrhea, lymphadenopathy	Stool	01/06/06	Adenovirus
F 14 mo	URI	NP/MRC Cells	01/10/06	Rhinovirus
M 57 yr	URI, Congestion	Throat Washing	01/11/06	Rhinovirus plus HSV (type 1 CPE)
M 37 yr	Wrist Lesion	Lesion Swab	01/12/06	Varicella-Zoster Virus
F 22 yr	STD	Vulva Lesion	02/03/06	HSV (Type 2 CPE)
F 9 yr	Lip Sores	Lip Swab	02/03/06	HSV (Type 1 CPE)
M 21 yr	Penis Sore	Penis Swab	02/01/06	HSV (Type 2 CPE)
M 44 yr	STD	Penis Lesion	01/31/06	HSV (Type 2 CPE)
F 20 yr	STD	Vulva Lesion	01/31/06	HSV (Type 1 CPE)
F 19 yr	R-Eyelid Lesion	Eyelid Lesion	01/31/06	HSV (Type 1 CPE)

F 19 yr	STD	Vulva Lesion	01/27/06	HSV (Type 1 CPE)
M 63 yr	STD	Penis Lesion	01/27/06	HSV (Type 2 CPE)
F 19 yr	STD	Vulva Lesion	01/26/06	HSV (Type 1 CPE)

SUMMARY OF CONFIRMED VIRUS INFECTIONS
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VIRUS ISOLATION: WEEKS OF JANUARY 7th THROUGH FEBRUARY 7, 2006

Patient	Symptoms	Specimen	Submitted	Virus
M 63yr	Oral Lesions	Mouth Swab	01/24/06	HSV (Type 1 CPE)
F 12 mo	Skin Lesion Vaginal Area	Lesion Swab	01/24/06	HSV (Type 1 CPE)
F 21yr	STD	Perineal Lesion	01/24/06	HSV (Type 2 CPE)
F 21 yr	STD	Cervix Lesion	01/23/06	HSV (Type 2 CPE)
F 18 yr	STD	Labia Sore	01/23/06	HSV (Type 2 CPE)
F 31 yr	STD	Pernineal Lesion	01/23/06	HSV (Type 2 CPE)
F 23 yr	STD	Genital Lesion	01/20/06	HSV (Type 1 CPE)
F 29 yr	STD	Labia Majora Lesion	01/20/06	HSV (Type 2 CPE)
F 27 yr	STD	Vulva Lesion	01/08/06	HSV (Type 2 CPE)
M 29 yr	STD	Penis Lesion	01/18/06	HSV (Type 2 CPE)
M 40 yr	STD	Penis Lesion	01/18/06	HSV (Type 2 CPE)
M 4 yr	R Hand Blister	Blister Swab	01/17/06	HSV (Type 1 CPE)
F 16 yr	STD	Vulva Lesion	01/13/06	HSV (Type 1 CPE)
F 23 yr	STD	Vaginal Lesions	01/12/06	HSV (Type 2 CPE)
F 21 yr	STD	Fourchette Lesion	01/09/06	HSV (Type 2 CPE)

F 29 yr	STD	Labia Sores	01/05/06	HSV (Type 2 CPE)
F 17 yr	STD	Vulva Lesion	01/11/06	HSV (Type 2 CPE) plus Trichromods

SEROLOGY:

Patient	Symptoms	Acute Serum Date	Viral Agent
F 31 yr	STD Clinic:HIV Screen	01/11/06	HIV + Ab EIA: Negative by W.B.



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GVS:cms