	Antimicrobial Susceptibilities of Selected Pathogens, 1998 MINNESOTA DEPARTMENT OF HEALTH Sampling Methodology 1 all isolates tested 20% sample of statewide isolates received at MDH all isolates tested from 7-county metropolitan area isolates from a normally sterile site	Campylobacter spp. ^{1*}	Salmonella typhimurium ² *	Other Salmonella spp. (non-typhoidal) ^{2*}	Shigella spp.*	Neisseria gonorrhoeae³	Neisseria meningitidis ^{4†}	Group A streptococci [†]	Group B streptococci ⁵ *	Streptococcus pneumoniae ^{6**}	Mycobacterium tuberculosis ^{7†}	
	No. of Isolates Tested 237 41 86 34 252 36 145 100 469 131 **Susceptible**											
S.	amoxicillin/ampicillin		66	93	21			100	100	86		
antibiotics	penicillin						100	100	100	80		
antik	cefuroxime					100				84		
an	cefotaxime						100	100	100	87		
β-lactam	ceftriaxone					100	100					
β.	meropenem					11111	100			86		
H	ciprofloxacin	24	400	100	400	400	100		/////	/////		
	· ·	91	100	100	100	100	100			/////		
	trovafloxacin				(////		100			99		
Other antibiotics	chloramphenicol		83	98	65		100			96		
	clindamycin							99	92	97		
anti	erythromycin	100						94	80	84		
ther	gentamicin	97										
Ö	tetracycline	54								91		
	trimethoprim/sulfamethoxazole		88	94	18		67			72		
	vancomycin		/////	7777	/////		/////	100	100	100		
	ethambutol	/////						/////	/////	/////	99	
SS	isoniazid										87	
antibiotics												
anti	pyrazinamide						/////				96	
13	rifampin						100				100	
L	streptomycin						<u>////</u>				92	
Trends, Comments and Other Pathogens												
1	Campylobacter spp.	quinc	> 60% of isolates from patients returning from foreign travel were resistant to quinolones. Susceptibilities were determined using 1999 NCCLS breakpoints for <i>Enterobacteriaceae</i> . Susceptibility to erythromycin was based on a MIC \leq 8 µg/mI								nts for	
2	Salmonella spp.	Antibiotic treatment for enteric salmonellosis is generally not recommended.										
3	Neisseria gonorrhoeae		252 isolates comprise 10% of total (2,636) cases reported. Also, all isolates tested were susceptible to cefpodoxime, cefixime and spectinomycin.									
4	Neisseria meningitidis	Provi	Provisional breakpoints from CDC.									
5	Group B streptococci (GBS)	other	All early-onset and late-onset infant cases, invasive maternal cases, and 28% of other invasive GBS cases tested. 96% (49/51) of infant and maternal isolates were susceptible to clindamycin and 84% (43/51) were susceptible to erythromycin.									
6	Streptococcus pneumoniae		7% had intermediate-level and 13% had high-level resistance to penicillin; 9% had intermediate-level and 4% had high-level resistance to cefotaxime.									
7	Mycobacterium tuberculosis (TB)	resis	National guidelines recommend initial 4-drug therapy where prevalence of isoniazid resistance is >4% (such as in MN). No cases of multi-drug resistant TB (i.e., resistant to at least isoniazid and rifampin) were identified.									
	Bordetella pertussis	All is	olates su	sceptible	to eryth	romycin l	oy provisi	onal CD	C breakpo	oints.		
	Escherichia coli O157:H7 Antibiotic treatment for E. coli O157:H7 infection is not recommodified in the color of the colo											
										peen repleen obselve to mai	orted erved in ny	
	Vancomycin Resistant Enterococcu (VRE)	s sites quinu	117 isolates of vancomycin-resistant <i>E. faecium</i> from wounds and normally sterile sites were submitted. 111 (95%) of these isolates were susceptible to quinupristin/dalfopristin with an MIC ≤ 1.0 as defined by 1999 NCCLS investigational breakpoints.									

Reportable Diseases, MN Rule #4605.7040

Foodborne, Vectorborne and Zoonotic Diseases

Amebiasis (Entamoeba histolytica)

Anthrax (Bacillus anthracis) a

Babesiosis (Babesia spp.)

Botulism (Clostridium botulinum) a

Brucellosis (Brucella spp.)

Campylobacteriosis (Campylobacter spp.) b

Cat scratch disease (infection caused by Bartonella spp.)

Cholera (Vibrio cholerae) a,b

Cryptosporidiosis (*Cryptosporidium parvum*)

Dengue virus infection

Diphyllobothrium latuminfection

Ehrlichiosis (Ehrlichia spp.)

Encephalitis (caused by viral agents)

Enteric E. coli[†]infection (E. coli O157:H7 and other pathogenic E coli[†]from gastrointestinal infections) h

Giardiasis (Giardia lamblia)

Hantavirus infection

Hemolytic uremic syndrome

Leptospirosis (Leptospira interrogans)

Listeriosis (Listeria monocytogenes) b

Lyme disease (Borrelia burgdorferi)

Malaria (*Plasmodium* spp.)

Plague (*Yersinia pestis*)
Psittacosis (*Chlamydia psittaci*)

Q fever (Coxiella burnetii)

Rabies (animal and human cases and suspects) a

Rocky Mountain spotted fever (*Rickettsia* spp., *R. canada*) Salmonellosis, including typhoid (*Salmonella* spp.) **b**

Shigellosis (Shigella spp.) b

Toxoplasmosis

Trichinosis (Trichinella spiralis)

Tularemia (Francisella tularensis)

Typhus (Rickettsia spp.)

Yellow fever

Yersiniosis (Yersinia spp.) b

- a Report immediately by telephone 612-676-5414
- **b** Submit isolates to the Minnesota Department of Health
- c Isolates are considered to be from invasive disease if they are isolated from normally sterile sites, i.e. blood, CSF, joint fluid,..etc.

Invasive Bacterial Diseases

Haemophilus influenzaedisease (all invasive disease) b,c
Meningific deaused by Haemophilus influenzae b, Neisseria
other bacterial haefitsptococcus pneumoniae b, or viral or

Meningococcemia (Neisseria meningitidis) b

Streptos ocaalds ease to the biomanive disease caused by S. pneumoniae) b.c

Toxic shock syndrome b

Vaccine Preventable Disease and Tuberculosis

Diphtheria (Corvnebacterium diphtheriae) b

Hepatitis (all primary viral types including A,B,C,D, and E) $\,$

Influenza (unusual case incidence or lab confirmed cases) $\boldsymbol{\mathsf{d}}$

Measles (Rubeola) a

Mumps a

Pertussis (Bordetella pertussis) a,b

Poliomyelitis a,d

Rubella and congenital rubella syndrome

Tetanus (Clostridium tetani)

Tuberculosis (Mycobacterium tuberculosisand M. bovis) b

Sexually Transmitted Diseases and Retroviral Infections

Chancroid (Haemophilus ducreyi) a,e

Chlamydia trachomatisinfections e

Gonorrhea (Neisseria gonorrhoeae) e

HhenanrignAtequatedininnonsideradielicyiefactionne (AIDS)

Retrovirus infection (other than HIV)

Syphilis (Treponema pallidum) a,e

Other Conditions

Blastomycosis (Blastomyces dermatitidis)

Histoplasmosis (Histoplasma capsulatum)

Increased incidence of any illness beyond expectations

Kawasaki disease

Legionellosis (Legionella Spp.)

Leprosy (Mycobacterium leprae)

Reye syndrome

Rheumatic fever (cases meeting the Jones Criteria only)

 $\label{eq:constraints} \begin{tabular}{ll} \textbf{interministic description} & \textbf{b} \end{tabular} and serious illness \textbf{d} \end{tabular} \begin{tabular}{ll} \textbf{description} & \textbf{description} \end{tabular}$

Vancomycin Intermediate/Resistant Staphylococcus aureus d

- **d** Submission of isolates to MDH is requested, but not required by rule
- e Report on separate Sexually Transmitted Disease Report Card

Report on separate HIV Report Card

Antimicrobial Susceptibilities of Selected Pathogens 1998



Minnesota Department of Health P.O. Box 9441 Minneapolis, MN 55440-9441

To Report a Case:

Fill out a Minnesota Department of Health case report form and mail to the above address. For diseases that require immediate reporting, or for questions about reporting, call the Acute Disease Epidemiology Section at: 612-676-5414 or fax form to 612-676-5743.

To Send an Isolate to MDH:

Send isolates by U.S. mail using approved containers to the above address. If using a courier, isolates should be sent to 717 Delaware Street SE, Minneapolis, MN 55414. To order pre-paid etiologic agent mailers, or for other assistance, call the Public Health Laboratory Specimen Handling Unit at: 612-676-5396.