CLINICAL LABORATORY INITIATIVE

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NATIONAL LABORATORY SYSTEM

PARTNERSHIPS

- University of Washington
- Centers for Disease Control
- Foundation for Health Care Quality

Foundation for Health Care Quality

CDC

SAFER • HEALTHIER • PEOPLE™

ADVISORY GROUPS

- Initiative Steering Committee
- Clinical Laboratory Advisory Council

STAKEHOLDERS

- University of Washington
- Center for Disease Control
- Foundation for Health Care Quality
- Infectious Disease and other Medical specialties
- Microbiologists
- Clinical Laboratory Advisory Council
- Clinical Laboratory Training Programs

STAKEHOLDERS

- Association of Washington Health Plans
- Washington Department of Health
- Washington State Hospital Association
- Washington State Medical Association
- Washington Health Care Authority
- Medicare Carrier Medical Director
- PRO-West

QA ISSUES IN LABORATORY PRACTICE

- Failure to utilize recommended guidelines for TB
- Variation in methodology for enteric bacterial pathogens
- Rapid tests for *Chlamydia trachomatis* used inappropriately

QA ISSUES IN LABORATORY DELIVERY SYSTEM

- Physician complaints concerning TAT, communication, test accuracy, etc.
- Significant use of waived tests, results not confirmed
- Significant problems with reference labs
- Confusion about tests to order (hepatitis/HIV)
- TAT in reference culture results
- “Ping pong” of samples from lab to lab

AST PROJECT

- National studies
- DOH studies
- UW Clinical Laboratory Initiative

Indicators of Quality Improvement Needed!

- Forty percent of respondents indicate utilization of current NCCLS tables
- Percent of respondents who provided appropriate response to scenarios (case studies) ranged from 29% - 59%
- Lack of consistency noted in # and type of antimicrobials tested

UTILIZATION OF NCCLS CHARTS

Category of lab	# Labs	S9	S10	S11	S12	%	Other	Ref	NR
small hosp	32(32)	6	8	9	0	28	1	0	8
urban hosp	16 (15)	0	1	14	0	93	0	1	0
commercial	5(5)	1	1	1	1	20	0	0	1
POL	18(15)	4	1	3	0	20	2	3	5
PH	2(1)	0	1	0	0	0	0	1	0
TOTAL	73(68)	11	12	27	1	40	3	5	14

% - percent utilizing S11

#labs providing AMST

RESPONSE TO SCENARIOS

Category of Lab	# Lab	#13 %	#14 %	#17 %	Ref
small hosp	32(32)	19	63	44	0
urban hosp	16(15)	53	87	67	1
commercial	5(5)	20	60	40	0
POL	18(15)	0	22	6	3
PH	2(1)	0	0	50	1
TOTAL	73(68)	22	59	43	5

%- percent correct
( ) # labs providing AMST
Ref – referred to reference lab

POTENTIAL IMPACT OF DEFICIENCIES

- Utilization of outdated NCCLS charts may contribute to erroneous results leading to treatment failures and false assumptions about antimicrobial resistance
- Failure to respond appropriately to case studies reveal a level of competence by individuals performing AST which may contribute to inappropriate and costly testing
- Failure to utilize appropriate number and type of antimicrobials in AST may contribute to treatment failures and insufficient data on antimicrobial resistance in a institution or local community

INITIATIVE WEBSITE

http://healthlinks.washington.edu/nwcphp/cli/

- Description of Initiative
- Goals and objectives
- Current project
- Research methodology and findings
- Intervention strategies
- Future activities
- Publications and documents
- Resources

CDC WEBSITES

www.phppo.cdc.gov/dls/master-default.asp

- Case studies
- Q & A
- Recent publications
- New information/upcoming CE on AST
- Reference materials – links to other sites

www. phppo.cdc.gov/MLP/pnlmsmn.asp

- Pacific NW Lab Med Sentinel Monitoring Network