

## GRANT ANALYSIS FORM OPERATING & CAPITAL GRANT PROJECTS/PROGRAMS

Department/Division: Health Department-Laboratory/STDContact Person & Phone No: Sanjib Bhattacharyya, ext. 3526

## Category of Request

 New Grant Grant ContinuationPrevious Council File No. 170760 Change in Previously Approved Grant

Previous Council File No. \_\_\_\_\_

Project/Program Title: Epidemiology and Laboratory Capacity (ELC) Program - Building and Strengthening Epidemiology, Laboratory and Health Information Systems Capacity in State and Local Health Departments; ELC Project- J1: Threat of Antibiotic-Resistant Gonorrhea: Rapid Detection and Response CapacityGrantor Agency: Wisconsin Division of Public HealthGrant Application Date: August 1, 2017Anticipated Award Date: August 1, 2017

## 1. Description of Grant Project/Program (Include Target Locations and Populations):

The ELC J1 grant project focuses on improving detection and response to antibiotic-resistant gonorrhea (GC) in the city of Milwaukee and surrounding greater Milwaukee area. The target population will primarily be those seeking gonorrhea testing and treatment at the KHC STD Clinic, local non-STD clinic site (Planned Parenthood-WI PPW) and will ultimately be expanded under this grant to include other Milwaukee-area clinics as well.

The ELC J1 funding will enable the MHD Laboratory and STD Program, in conjunction with the Wisconsin Division of Public Health STD Control Section, to enhance timely surveillance for the detection of resistant GC threats locally by:

- a. Expanding laboratory GC culture and anti-microbial susceptibility testing capacity for high risk patients populations in STD and non-STD clinic sites
- b. Building a strong infrastructure of Disease Intervention Specialists (DIS) activities towards reducing GC and syphilis morbidity in Milwaukee areas. The role of the laboratory and DIS in the prevention and control of GC transmission within the city of Milwaukee is potentially of considerable significance. The CDC Division of STD Prevention (DSTDP) and the WI DPH STD Control Section have collaborated in this project to study the potential impact of targeted DIS/Partner Services activities in this population.
- c. Building upon the currently strong infrastructure in the jurisdiction's local public health laboratory to enhance current antibiotic susceptibility testing (AST) capability with the implementation of e-testing.
- d. Increasing epidemiology and laboratory capacity to identify the transmission dynamics within the tight-knit social networks in high GC morbidity zip codes in Milwaukee City.

The project also focuses on implementing LIS and other technological upgrades in the MHD Laboratory to support rapid electronic communication of GC AST results to surveillance and field epidemiology staff, as well as GC AST data to the Antimicrobial Resistance Laboratory Network (ARLN) in our region and ultimately to the CDC.

## 2. Relationship to City-Wide Strategic Goals and Departmental Objectives:

This grant directly relates to the MHD STD Program goals of STD prevention, treatment and surveillance in the community. Gonorrhea is the second most commonly reported communicable disease in Milwaukee County, with approximately 4,600 cases reported in 2016, accounting for about 68 percent of all cases reported statewide. More than 750 of those cases were reported from the MHD's KHC STD Clinic. The MHD Laboratory already routinely performs antibiotic-resistance testing for GC specimens received from KHC, and these ELC-J1 grant funds will enable us to improve and expand existing testing and surveillance services.

## 3. Need for Grant Funds and Impact on Other Departmental Operations (Applies only to Programs):

3.

The year 1 grant funding allowed hiring both laboratory and DIS staff thus positively impacting both Laboratory and STD Program operations at the MHD. The funding is critical for sustaining the infrastructure and additional support needed in order to add equipment, supplies, services and positions (including a Microbiologist II, Data Specialist in the Laboratory and two Disease Intervention Specialists at the KHC STD Clinic) that are needed to support the main grant objectives outlined above.

The CDC has now approved the WI DPH's request to carry forward \$143,459 of unspent Year 1 grant funds for use by the MHD during Year 2 of this grant. As coordinated through WI DPH, the MHD Lab and STD programs plan to use these funds for the following:

## LAB:

- \$60,000 for completion of Electronic Laboratory Reporting (ELR) upgrades
- \$37,000 for completion of Laboratory Information System (LIS) training
- \$31,800 for laboratory equipment, including two freezers and one incubator

## STD:

- \$9,000 for three tablets for Disease Intervention Specialist (DIS) staff
- \$5,659 for DIS SURRG (Strengthening U.S. Response to Resistant Gonorrhea) training

6/15/04

See attached budget for complete Year 2 funds, including the requested carryover of these additional Year 1 funds.

4. Results Measurement/Progress Report (Applies only to Programs):  
MHD Laboratory and STD Program staff provided regular (monthly and quarterly) progress reports to the WI DPH and CDC over the duration of the grant.
  
5. Grant Period, Timetable and Program Phase-Out Plan:  
The time period for year 2 of this grant is August 1, 2017 – July 31, 2018; the ELC-J1 project funds are renewable annually for up to five years total.
  
6. Provide a list of Subgrantees:  
This grant is being directly awarded to the Wisconsin Division of Public Health STD Control Section, with funds administered to the MHD via a contract with WI DPH. There are no other subgrantees.
  
7. If Possible, complete Grant Budget Form and attach to back.  
Grant budget form is attached.