

**CDC Support for the Amazon Malaria Initiative:
Proposed Work Plan for the Period October 2002 through September 2003**

Intermediate Result 1 - Reliable and standardized malaria drug efficacy information available Process Indicators: a) Percent of surveillance sites where data collection has been initiated ; b) Percent of functioning surveillance sites that comply with laboratory quality control procedures as defined by country protocol. Milestones: a) Study sites have been identified; b) Study protocol has been prepared and approved; c) Surveillance site staff have been trained in use of the study protocol; d) National level reference laboratory

Activities	Tasks	Staff and Other Human Resources	Product	Month/Year	Remarks
1.1 <i>In vivo</i> workshop	a. Designate member country for training site b. Prepare manual for use c. Conduct didactic aspect of training d. Field experience for participants	a. 2 CDC malaria epidemiologists b. South American counterparts c. WHO scientist	Scientists trained in conducting the WHO/PAHO standardized <i>in vivo</i> protocol	TBA / 2003	a. Carry over from PY 01 b. Country hosting workshop expected to cover venue costs c. Countries sending participants expected to cover travel
1.2 Monitoring and Evaluation of <i>in vivo</i> antimalarial drug efficacy trials	a. Identify South American counterpart to participate in M&E trips b. Coordinate with partner countries conducting <i>in vivo</i> studies c. Initiate M&E visits	a. CDC malaria scientists b. South American counterpart c. PAHO scientist	a. Trip reports b. Report to SC partners	Dec 2002 Jan 2003 Mar 2003 May 2003 Aug 2003	Dates of trips may vary depending on partners' schedules
1.3 Evaluation of the implementation of artemisinin combination therapy in Peru	a. Coordinate with Peruvian counterparts b. Develop research protocol c. Conduct key informant/focus group interviews d. Conduct random health facility surveys	a. 2 CDC malaria scientists b. Possible collaborations with RPM Plus	a. Trip reports b. Report to SC partners c. Peer review articles	2nd QTR / 2003	Multiyear evaluation
1.4 Evaluation of the impact of artemisinin combination therapy in Peru	a. Monitor ongoing <i>in vivo</i> studies b. Assess prevalence of known genetic mutations over time (collected during <i>in vivo</i>) c. Conduct entomologic surveys (sporozoite and EIR rates) d. Conduct community surveys (parasitemia, anemia, etc.) e. Collect routine facility-based indicators (e.g., malaria cases, febrile cases, anemia, etc.)	a. 1-2 CDC malaria scientists b. Peruvian counterparts	Data need to be assessed over time thus no products during first year of implementation	Ongoing / 2003	a. Multiyear evaluation b. Work may be combined with other trips thus actual cost may be lower

Activities	Tasks	Staff and Other Human Resources	Product	Month/Year	Remarks
1.5 Malaria treatment policy development workshop	a. Select workshop site and coordinate with other AMI partners b. Identify the most appropriate representatives to attend the workshop c. Site visits to two AMI partners countries that have undergone policy change (Peru and Bolivia) d. Prepare workshop materials e. Conduct workshop f. Evaluate workshop	a. 2 CDC malaria scientists b. PAHO scientist	a. Workshop	Jan 2002 Mar 2002	a. Country hosting workshop expected to cover venue costs b. Countries sending participants expected to cover travel costs of their staff
1.6 Analysis of changes in national malaria treatment policy in Peru	a. Coordinate with Peruvian counterparts b. Develop research protocol c. Gather supplemental data d. Conduct retrospective analysis e. Discuss findings with key stakeholders f. Develop recommendations g. Disseminate findings	a. 2 CDC malaria scientists	a. Report and/or peer review paper	May 2003 Aug 2003	
1.7 Anti-malarial drug quality assurance monitoring	a. Prepare training materials and course for HPLC in Peru b. Conduct regional training for HPLC c. Evaluate training d. Coordinate with other AMI partners regarding other tools	a. 1 CDC scientist	a. Workshop	Jan 2003 Mar 2003	a. Country hosting workshop expected to cover venue costs b. Countries sending participants expected to cover travel costs of their staff

Intermediate Result 2 - Tools and Approaches Developed, Adapted, Tested, and/or Disseminated					
Process Indicator: Percent of Planned Tasks Completed					
Activities	Tasks	Staff and Other Human Resources	Product	Month/Year	Remarks
2.1 RDT CEA Generalized Tool Development	a. Hire contracted health economist b. Develop training and resource products c. Field test products in Amazon country d. Disseminate tool via launch and web site	a. Contracted Health Economist b. CDC malaria epidemiologist	Tool to enable collaborating countries to perform RDT CEA for their specific areas (see SOW for more detailed description)	2003	a. Carry over from PY 01 b. The development of this tool would build upon the RDT CEA work in previous activity
2.2 Epi Info tool training/general data management course	a. Field test product in Amazon country b. Develop training materials c. Conduct training d. Evaluate training e. Disseminate tool via launch and web site	a. 2 CDC malaria epidemiologists b. CDC data management staff	Partners trained in the use of the Epi Info Malaria program for data management	2nd QTR/2003	
2.3 Diagnostic cost effectiveness analysis tool workshop	a. Designate member country for training site b. Prepare manual for use c. Conduct didactic aspect of training d. Field experience for participants	a. 1 CDC malaria epidemiologists b. 1 Health Economist	Scientists trained in the use of the diagnostic CEA tool	TBA / 2003	a. Country hosting workshop expected to cover venue costs b. Countries sending participants expected to cover travel costs of their staff
2.4 Development of rational approaches to vector control activities	a. Discuss needs/ideas with partner countries b. Visit sample of partner countries to explore various vector control issues	a. CDC entomologists	Plan future course of action regarding vector control activities	Various/2003	

Intermediate Result 3 - Partnerships to Improve Malaria Control in the Subregion Enhanced					
Process Indicator: Percent of Planned South-to-South Activities Completed during the Reporting Period					
Activities	Tasks	Staff and Other Human Resources	Product	Month/Year	Remarks
3.1 FETP-Brazil Support	a. Continue to provide TA to FETP fellows b. FETP fellow to travel to CDC for collaboration and conference	a. One CDC malaria epidemiologists		3/2003, 9/2003	
3.2 Amazon Malaria Initiative Partner's Meeting	a. Attend a partner's meeting for AMI to coordinate workplans	a. Two CDC malaria epidemiologists b. One staff person from CDC/FETP program in Brazil c. One representative from CDC/MERTU parasitic disease field station in Guatemala	Coordination of workplan for 2003	3/2003	
3.3 Amazon Malaria Initiative SC Meeting	a. Attend biannual SC meeting for AMI to coordinate initiative	a. Two CDC malaria epidemiologists			
3.4 CDC Technical Assistance	CDC Atlanta Malaria staff to travel to Amazon region to provide TA as opportunities arise	CDC Malaria Epidemiology Branch (or other Division of Parasitic Diseases staff as required [i.e., lab staff, entomologists])	Variable depending on the nature of the TA (presumed to be assistance with in-vivo protocol development, data collection, analysis, and interpretation)	2003	This activity is puposefully vague. A better defined role for CDC TA will be defined after meeting with the AMI partners and discussing the TA needs for the 2003 year projects