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U.S. AGENCY FOR
INTERNATIONAL
DEVELOPMENT

MAR 13 1992

Mr. John C. Klimek
Manager
Contracts and Grants Office
University of California, San Francisco
3333 California Street
San Francisco, California 94143-0962

SUBJECT: Grant No. EUR-0037-G-00-2026-00

Dear Mr. Klimek:

Pursuant to the authority contained in the Foreign Assistance Act of 1961, as amended, the Agency for International Development (hereinafter referred to as "A.I.D.") hereby provides to the University of California, San Francisco (hereinafter referred to as "UCSF" or "Grantee") the sum of \$2,091,379 in support of a program to jointly develop and implement two model programs that could form the basis of a nationwide effort to lower cardiovascular and cerebrovascular disease (CVD) morbidity and mortality in Czechoslovakia, as more fully described in Attachment 2, entitled "Program Description".

This Grant is effective and obligation is made as of the date of this letter and shall apply to commitments made by the Grantee in furtherance of program objectives through the estimated completion date of March 5, 1995. Funds disbursed by A.I.D. but uncommitted by the Grantee at the expiration of this period shall be refunded to A.I.D.

The total estimated amount of the program is \$2,091,379. Initial funding herein obligated is in the amount of \$1,000,000 (hereinafter referred to as "Obligated Amount"), and the incremental (additional) funding of \$1,091,379 may be provided, subject to availability of A.I.D. funds, after the effective date of this grant. Such incremental funding, if authorized, shall be provided through grant modifications. A.I.D. shall not be liable for reimbursing the Grantee for any costs in excess of the obligated amount.

This Grant is made to the Grantee on the condition that the funds will be administered in accordance with the terms and conditions as set forth in this Cover Letter, Attachment 1, entitled "Schedule", Attachment 2, entitled "Program Description", and Attachment 3, entitled "Standard Provisions", which together constitute the entire Grant document and have been agreed to by your organization.

Please acknowledge receipt of this Grant by signing all copies of this Cover Letter, retaining one copy for your files, and returning the remaining copies to the undersigned.

Sincerely,

Diane M. Miller
Diane M. Miller
Grant Officer
Eastern Europe Branch
Office of Procurement

Attachments:

1. Schedule
2. Program Description
3. Standard Provisions
4. Special Provision "Certification Regarding Lobbying"

ACKNOWLEDGED:

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

BY: *John C. Klimek*

TYPED OR PRINTED NAME: JOHN C. KLIMEK

TITLE: CONTRACTS & GRANTS OFFICER

DATE: 3/19/92

FISCAL DATA

A. GENERAL

- A.1. Total Grant Amount: \$2,091,379
- A.2. Total Obligated Amount: \$1,000,000
- A.3. Total Cost of Program: \$2,206,491
- A.4. Project No.: 180-0037
- A.5. A.I.D. Project Office: EUR/DR/HR, Julia Terry
- A.6. Funding Source: A.I.D./W
- A.7. Paying Office: Office of Financial Management
FA/FM/CMPD/DC - Room 700 SA-2
Washington, D.C. 20523-0209
- A.8. DUNS No.: 09-487-8337
- A.9. TIN: 94-6036493W

B. SPECIFIC

- B.1.(a) PIO/T No.: 180-0037-3-2622409
- B.1.(b) Appropriation: 72-11X1010
- B.1.(c) Allotment: 184-52-180-00-69-21
- B.1.(d) BPC: QAIX-92-32180-KG-12
- B.1.(e) Amount: \$1,000,000

ATTACHMENT 1

SCHEDULE

A. PURPOSE OF GRANT

The purpose of this Grant is to provide support for Partnerships in Health Care between medical facilities in the United States and medical facilities in Eastern Europe, as more specifically described in Attachment 2 of this Grant entitled, "Program Description."

B. PERIOD OF GRANT

B.1. The effective date of this Grant is the date of the Grant Officer's signature on the Grant Cover Letter, and the estimated completion date is March 5, 1995.

B.2. Funds obligated hereunder are available for program expenditures for the estimated period from the effective date of this Grant to approximately March 5, 1993.

C. AMOUNT OF GRANT AND PAYMENT

C.1. The total estimated cost of the program described in Attachment 2 of this Grant is \$2,206,491.

C.2. The total amount of the A.I.D. contribution to the total estimated program costs shown in C.1. above, to be provided through this Grant (hereinafter referred to as "Total Grant Amount") for the period shown in B.1. above is \$2,091,379.

C.3. A.I.D. hereby obligates the amount of \$1,000,000 (Hereinafter referred to as "Obligated Amount") for program expenditures during the estimated period set forth in B.2. above.

C.4. Payment shall be made to the Grantee in accordance with procedures set forth in the Standard Provision entitled "Payment - Letter of Credit", as set forth in Attachment 3.

D. GRANT BUDGET

D.1. The following is the Budget for this Grant. Except as specified in the Standard Provision of this Grant entitled "Revision of Grant Budget", as set forth in Attachment 3, the Grantee may adjust budget amounts within the total agreement amount as may be reasonably necessary for the attainment of program objectives.

D.2. Budget

<u>Cost Element</u>	<u>A.I.D.</u>	<u>Non-Federal/ Grantee</u>	<u>TOTAL</u>
Salaries	\$ 169,525	\$ 57,510	\$ 227,035
Fringe Benefits	36,985	6,718	43,703
Participant Trng.	90,888	- 0 -	90,888
Subgrants	1,477,866	50,884	1,528,750
Travel/Per Diem	77,715	- 0 -	77,715
Equipment	73,090	- 0 -	73,090
Other Direct Costs	38,140	- 0 -	38,140
Indirect Costs	127,170	- 0 -	127,170
TOTAL AMOUNT	\$2,091,379	\$ 115,112	\$2,206,491

D.3. Inclusion of any cost in the budget of this Grant does not obviate the requirement for prior approval by the Grant Officer of cost items designated as requiring prior approval by the applicable cost principles (see the Standard Provision of this Grant set forth in Attachment 3 entitled "Allowable Costs") and other terms and conditions of this Grant, unless specifically stated in Section J. below.

E. REPORTING REQUIREMENTS

E.1. Financial Reporting

E.1.(a) Financial reporting requirements shall be in accordance with the Standard Provision of this Grant entitled, "Payment - Letter of Credit," as set forth in Attachment 3.

E.1.(b) All financial reports shall be submitted to A.I.D., Office of Financial Management, (FM/CMP), Washington, D.C. 20523. In addition, three copies of all financial reports shall be submitted to the A.I.D. Project Office specified in the Cover Letter of this Grant.

E.1.(c) With the exception of the final financial report, all financial reports shall be submitted within 30 days following the end of the reporting period. The final financial report shall be submitted within 90 days following the estimated completion date of this Grant.

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E.2. Program Performance Reporting

The Grantee shall submit the following:

E.2.(a) Workplans

The initial workplan shall include an implementation plan for the initial, authorized year of the project. It will be due within 45 days after the signature date of the grant, and shall indicate the timing, by month, of the various components and subcomponents of the program over the 12 month period of implementation. It shall indicate the responsible organization and/or individual for each subcomponent or activity.

At least 45 days before the end of the initial workplan period, Grantee shall submit a workplan for the next 12 month period. If Grant is authorized for a third year, a workplan for the third year of the project will be due at least 45 days before the end of the year covered by the second workplan.

E.2.(b) Quarterly Reports by Reference to Quantifiable Indicators and Other Evaluation Benchmarks

E.2.(b)(1) The Grantee shall submit five copies of quarterly program performance reports which coincide with the financial reporting periods described in Section E.1. above to the A.I.D. Project Office specified in the Cover Letter of this Grant, and to the A.I.D. Representative (or AID Affairs Officer, Economic Section at the Embassy) of the country where the program is being undertaken. These reports shall include quantitative and qualitative measures of performance; shall be submitted within 30 days following the end of the reporting period; and shall briefly present the following information:

E.2.(b)(1)(A) Implementation status including a comparison of actual accomplishments with the established evaluation benchmarks for the period, the findings of the investigator, or both. If the output of programs can be readily quantified, such quantitative data shall be related to cost data for computation of unit costs.

E.2.(b)(1)(B) Reasons why established goals were not met, if applicable, including any problems or difficulties requiring U.S.G., possibly host country, or implementing organization attention.

E.2.(b)(1)(C) Summary financial report of all project expenditures, by subcomponent.

E.2.(b)(2) Between the required performance reporting dates, events may occur that have significant impact upon the program. In such instances, the Grantee shall inform A.I.D. as soon as the following types of conditions become known:

E.2.(b)(2)(A) Problems, delays, or adverse conditions that will materially affect the ability to attain program objectives, prevent the meeting of time schedules and goals, or preclude the attainment of work units by established time periods. This disclosure shall be accompanied by a statement of the action taken, or contemplated, and any U.S.G., or possibly host country, assistance needed to resolve the situation.

E.2.(b)(2)(B) Favorable developments or events that enable time schedules to be met sooner than anticipated or more work units to be produced than originally projected.

E.2.(b)(2)(C) If any performance review conducted by the Grantee discloses the need for change in the budget estimates in accordance with the criteria established in the Standard Provision of this Grant entitled "Revision of Grant Budget", the Grantee shall submit a request for budget revision to the Grant Officer and the A.I.D. Project Officer specified in the Cover Letter of this Grant.

E.2.(b)(3) Quarterly updates and proposed modifications of annual work plans, specifically to include travel projected for the subsequent quarter.

E.2.(c) Annual Report of Project

The annual report will be submitted to both EUR/DR, A.I.D. Washington and to the A.I.D. Representative (or the AID Affairs Officer, Economic Section at the Embassy) of the country where the program is being undertaken. The annual report will substantively review performance against planned quantitative and qualitative measures, including a discussion and analysis of the success of the program's impact per the established mechanism(s) for measuring the partnership's impact on (a) excess mortality and morbidity rates for the chosen medical problem in the area served by the Eastern European partner; (b) knowledge and skills of each partners' staff; and (c) the extent to which the partners incorporate joint activities into their individual operations. Incremental funding will be contingent on submitting complete reporting, effectively resolving implementation problems, as well as on the availability of funds and any revisions in the overall program structure that A.I.D. may require.

Within 60 days following the estimated completion date of this Grant the Grantee shall submit five copies of the final report as indicated in the preceding paragraph. It should include: (1) an executive summary of the Grant's accomplishments or failings; (2) a description of the Grant activities from its inception; (3) significance of these activities; (4) comments and recommendations; (5) a fiscal report that describes in detail how the Grant funds were used.

E.2.(d) Evaluations

E.2.(d)(1) The project will be closely monitored on a continuing basis by the Project Office shown in the cover letter of this Grant (under Fiscal Data, Item A.4.).

E.2.(d)(2) An independent evaluator will assess the effectiveness of the health care partnership. Grantee shall cooperate fully with the assessment of partnership activities.

F. Closeout Procedures (OMB Circular A-110)

1. This paragraph prescribes uniform closeout procedures for AID grants and cooperative agreements.

2. The following definitions shall apply for the purpose of this paragraph:

(i) Closeout. The closeout of a grant is the process by which AID determines that all applicable administrative actions and all required work of the agreement have been completed by the grantee and AID.

(ii) Date of completion. The date of completion is the date on which all work under grants is completed or the date on the award document, or any supplement or amendment thereto, on which AID sponsorship ends.

(iii) Disallowed costs. Disallowed costs are those charges to a grant that AID or its representative determines to be unallowable, in accordance with the applicable Federal cost principles or other conditions contained in the grant.

3. AID closeout procedures include the following requirements:

(i) Upon request, AID shall make prompt payments to a grantee for allowable reimbursable costs under the grant or agreement being closed out.

(ii) The grantee shall immediately refund any balance of unobligated (unencumbered) cash that AID has advanced or paid and that is not authorized to be retained by the grantee for use in other grants or cooperative agreements.

(iii) AID shall obtain from the grantee within 90 calendar days after the date of completion of the agreement all financial, performance, and other reports required as the condition of the grant. AID may grant extensions when requested by the grantee.

(iv) When authorized by the grant, AID shall make a settlement for any upward or downward adjustments to AID's share of costs after these reports are received.

(v) The grantee shall account for any property acquired with AID funds, or received from the Government in accordance with any provisions of this grant.

(vi) In the event a final audit has not been performed prior to the closeout of the agreement, AID shall retain the right to recover an appropriate amount after fully considering the recommendations on questioned costs resulting from the final audit.

G. INDIRECT COST RATES

Pursuant to the Standard Provision of this Grant entitled, "Negotiated Indirect Cost Rates - Provisional", a rate or rates shall be established for each of the Grantee's accounting periods which apply to this Grant. Pending establishment of revised predetermined, provisional or final indirect cost rates for each of the Grantee's accounting periods which apply to this Grant, provisional payments on account of allowable indirect costs shall be made on the basis of the following negotiated provisional rate(s) applied to the base which is set forth below.

<u>Description</u>	<u>Rate</u>	<u>Base</u>	<u>Period</u>	<u>Type</u>
Overhead	33.0%	(a)	07/01/91-06/30/93	Provisional

(a) Total Direct Costs excluding: capital items; that portion of each subaward in excess of \$25,000; hospitalization and other fees associated with patient care whether obtained from a related or third party; rental/maintenance cost of off-site activities; and tuition remission and participant support costs)

H. TITLE TO PROPERTY

Title to property purchased by the Grantee under this Grant shall be vested in the Grantee. The Standard Provision of this Grant entitled "Title to and Care of Property (Grantee Title)" applies. Disposition of property shall be in accordance with said Standard Provision.

I. PROCUREMENT AND (SUB) CONTRACTING

I.1. Authorized Geographic Code

All services shall have their nationality in the United States (A.I.D. Geographic Code 000) or the Cooperating Country (Czechoslovakia, A.I.D. Geographic Code 184), except as A.I.D. may otherwise agree in writing. The authorized source and origin for all goods/commodities shall be in accordance with the Optional Standard Provision entitled, "A.I.D. Eligibility Rules for Goods and Services (November 1985)". Requests for deviations to this requirement must include a full justification to be submitted to the Project Office indicated in the cover letter of this Grant. Approval of the Grant Officer and the Project Office is required before procurement of this nature can be undertaken. Ocean shipping financed by A.I.D. under the program shall, except as A.I.D. may otherwise agree in writing, be financed only on flag vessels of the United States.

Although not yet implemented into the A.I.D. Handbooks, A.I.D. Geographic Code 935 has been amended to include the Cooperating Country.

I.2. Procurement Cost Detail

Whenever feasible, the lead U.S. grantee and/or its subgrantees will be responsible for purchasing the U.S. equipment and commodities required for the technical assistance components of the program. This equipment must be specifically and directly linked to the training programs undertaken under the various subcomponents. The prime grantee will be responsible for providing more exact details and specifications of the commodities they propose to procure, including estimated costs of same, in their application to A.I.D.

I.3. Local Cost Financing

Local cost financing is hereby authorized under this Grant, provided such financing falls within the legitimate needs of the Program Description of Attachment 2, and does not exceed the following limitations:

- a. Procurement locally of items of U.S. origin up to a per transaction limit of the local currency equivalent of \$100,000.

b. Procurement locally of items of non-U.S. origin up to a per transaction limit of the local currency equivalent of \$5,000.

c. Commodities and services available only in the local economy (no specific per transaction value applies to this category). This category includes the following items:

- (1) utilities - including fuel for heating and cooking, waste disposal and trash collection;
- (2) communications - telephone, telex, fax, postal, and courier services;
- (3) rental costs for housing and office space;
- (4) petroleum, oils, and lubricants for operating vehicles and equipment;
- (5) newspapers, periodicals, and books published in the cooperating country, and
- (6) other commodities and services (and related expenses) that, by their nature or as a practical matter, can only be acquired, performed, or incurred in the cooperating country.

In cases where local cost procurements are expected to exceed the above limitations, and authorization for such procurement does not already exist in the Grant, the Grantee must obtain approval from the A.I.D. Grant Officer prior to proceeding with the procurement.

Except as otherwise changed by the above limitations, the conditions of the Optional Standard Provision entitled Local Cost Financing (November 1988), hereby incorporated into this Grant, apply, including paragraphs (b), (c), (d), (e), and (f).

I.4. Government Owned Organizations

A Government Owned Organization, i.e., a firm operated as a commercial company or other organization (including nonprofit organizations other than public educational institutions) which are wholly or partially owned by governments or agencies thereof, are not eligible as suppliers of goods and commodities, commodity-related services, or services (other than commodity-related services), except as the Grant Officer may otherwise agree in writing.

I.5. Travel

The standard provision entitled "Air Travel and Transportation" which requires advance notification of the Project Officer of the Grantee's travel intentions overseas, is required. The Grantee is also required to provide advance notification of intention to travel to the Embassy or A.I.D. Mission in the Cooperating Country.

All air travel and transportation under this grant are required to be made on U.S. flag carriers to the extent service by such carriers is available, in accordance with the aforementioned Standard Provision.

J. SPECIAL PROVISIONS

For the purposes of this Grant, references to "OMB Circular A-122" in the Standard Provisions of this Grant shall include the A.I.D. implementation of this Circular, as set forth in Subpart 731.7 of the A.I.D. Acquisition Regulation (AIDAR) (48 CFR Chapter 7).

J.2. Equipment and Other Capital Expenditures

J.2.(a) Requirement for Prior Approval

Pursuant to the Standard Provisions of this Grant entitled "Allowable Costs" and "Revision of Grant Budget," the Grantee must obtain A.I.D. Grant Officer approval for the following:

Purchase of General Purpose Equipment, which is defined as an article of nonexpendable tangible personal property, the use of which is not limited only to research, medical, scientific, or other activities (e.g., office equipment and furnishings, air conditioning equipment, reproduction and other equipment, motor vehicles, and automated data processing equipment, having a useful life of more than two years and an acquisition cost of \$500 or more per unit.)

Purchase of Special Purpose Equipment, which is defined as an article of nonexpendable tangible personal property, which is used only for research, medical, scientific, or technical activities (e.g., microscopes, x-ray machines, surgical instruments, and spectrometers), and which has a useful life of more than two years and an acquisition cost of \$1,000 or more per unit.

J.2.(b) Approvals

In furtherance of the foregoing, the Grant Officer does hereby provide approval for the following purchases, which shall not

be construed as authorization to exceed the total estimated amount or the obligated amount of this Grant, whichever is less (see Section C. above):

1. Personal Computers (4)
2. Printers (2)
3. Facsimile Machine (2)
4. Roche Analyzers (2) (1)
5. Beckman Rotor (1)
6. Analyzer Units (2)
7. Photocopy Machines (2)

J.3. Salaries

Except as the Grant Officer may otherwise agree in writing, A.I.D. shall not be liable for reimbursing the Grantee for any costs allocable to the salary portion of direct compensation paid by the Grantee to its employees or to subcontractor employees for personal services which exceed the highest salary level for a Foreign Service Officer, Class 1 (FS-1) as periodically amended.

J.4. Consultant Fees

Compensation for consultants retained by the Grantee hereunder shall not exceed, without specific approval of the rate by the Grant Officer, either the highest rate of annual compensation received by the consultant during any full year of the immediately preceding three years, or the maximum rate of a Foreign Service Officer, Class 1 (FS-1), as periodically amended, whichever is less. A daily rate is derived by dividing the annual compensation by 2,087 and multiplying the result by 8.

K. ORDER OF PRECEDENCE

In the event of any inconsistencies in this Grant, they shall be resolved by applying the following descending order of precedence:

- Attachment 1 - Schedule
Cover Letter
- Attachment 3 - Standard Provisions
- Attachment 2 - Program Description

L. STANDARD PROVISIONS

L.1. The Standard Provisions set forth as Attachment 3 of this Grant consist of the following Standard Provisions marked by an "X", which are attached hereto and made a part of this Grant:

**L.2. MANDATORY STANDARD PROVISIONS FOR U.S.,
NONGOVERNMENTAL GRANTEES**

- (X) Allowable Costs (November 1985)
- (X) Accounting, Audit, and Records (September 1990)
- (X) Refunds (September 1990)
- (X) Revision of Grant Budget (November 1985)
- (X) Termination and Suspension (May 1986)
- (X) Disputes (November 1989)
- (X) Ineligible Countries (May 1986)
- (X) Debarment, Suspension, and Other Responsibility Matters (March 1989)
- (X) Nondiscrimination (May 1986)
- (X) U.S. Officials Not to Benefit (November 1985)
- (X) Nonliability (November 1985)
- (X) Amendment (November 1985)
- (X) Notices (November 1985)

**L.3. OPTIONAL STANDARD PROVISIONS FOR U.S.,
NONGOVERNMENTAL GRANTEES**

- (X) Payment - Letter of Credit (November 1985)
- () Payment - Periodic Advance (January 1988)
- () Payment - Cost Reimbursement (November 1985)
- (X) Air Travel and Transportation (November 1985)
- (X) Ocean Shipment of Goods (May 1986)
- (X) Procurement of Goods and Services (November 1985)
- (X) AID Eligibility Rules for Goods and Services (November 1985)
- (X) Subagreements (November 1985)
- (X) Local Cost Financing (November 1988)
- (X) Patent Rights (November 1985)
- (X) Publications (November 1985)
- () Negotiated Indirect Cost Rates - Predetermined (May 1986)
- (X) Negotiated Indirect Cost Rates - Provisional (May 1986)
- (X) Regulations Governing Employees (November 1985)
- (X) Participant Training (May 1986)
- () Voluntary Population Planning (August 1986)
- (X) Protection of the Individual as a Research Subject (November 1985)
- () Care of Laboratory Animals (November 1985)
- (X) Government Furnished Excess Personal Property (November 1985)
- (X) Title To and Use of Property (Grantee Title) (November 1985)
- () Title To and Care of Property (U.S. Government Title) (November 1985)

- () Title To and Care of Property (Cooperating Country Title) (November 1985)
- () Cost Sharing (Matching) (November 1985)
- (X) (1) Use of Pouch Facilities (November 1985)
- (X) Conversion of United States Dollars to Local Currency (November 1985)

M. COST SHARING AND OTHER CONTRIBUTIONS

M.1. The Grantee agrees to expend from non-Federal funds not less than the amount shown in the Budget (Section D.) of this Grant under the column headed "Non-Federal Funds."

M.2. If cost sharing sharing is required under this Grant pursuant to Section L.1. above, the Standard Provision of this Grant entitled "Cost Sharing (Matching)" applies.

M.3. The aforesaid Standard Provision makes reference to project costs. "Project Costs" are defined in Attachment E of OMB Circular A-110 as all allowable costs (as set forth in the applicable cost principles [see the Standard Provision of this Grant entitled "Allowable Costs"]) incurred by a Grantee or third parties in accomplishing the objectives of this Grant during the program period.

1. The address in paragraph (a) (4) of this Provision should be changed to add -0001 after 20523 (the zip code).

PROGRAM DESCRIPTION

Czechoslovakia ranks second in the world in ischemic heart disease mortality and only slightly lower in the rate of death from cerebrovascular diseases. In multinational comparisons of mortality trends, it tops the list of nations showing increases in cerebrovascular disease mortality. Czechoslovak and American experts have now been joined by the World Bank in urging a multifaceted approach to reduce the morbidity and mortality from these diseases. The following proposal encompasses the first comprehensive community-based intervention program in Central Europe to address this problem.

The Cardiovascular Research Institute (CVRI) of the University of California in San Francisco would form a partnership with the Stanford Center for Research in Disease Prevention (SCRDP) of Stanford University and the Central European Center for Health and the Environment (CECHE) and three Czechoslovak institutions in Prague: the Second Medical Clinic of the Third Medical Faculty of Charles University (SMC), the Institute of Clinical and Experimental Medicine (IKEM), and the Institute of Hygiene and Epidemiology (IHE). The partnership would jointly develop and implement two model programs that could form the basis of a nationwide effort to lower cardiovascular and cerebrovascular disease (CVD) morbidity and mortality in Czechoslovakia.

Experts worldwide recognize that treatment of the manifest disease or of high-risk patients alone benefits only a small segment of the population. The most effective approach to reduce disease incidence is a combination of strategies aimed at both the general population and high-risk individuals. The partnership, therefore, proposes two distinct though interlinked projects: a Secondary Prevention Program to identify and treat individuals with manifest coronary artery disease, and a comprehensive Community-Based Intervention Program to examine an entire community and undertake medical, educational, and other interventions to reduce CVD risk factors in high-risk individuals and in the community at large. Each would act as models for extension throughout Czechoslovakia.

The Secondary Prevention Program would be launched from the Preventive Cardiology Clinic of IKEM. It would screen, treat, and monitor patients with myocardial infarction from the Litomerice District Hospital north of Prague. The diagnostic and treatment model, patterned after CVRI, would aim at reducing morbidity and mortality in patients with established coronary heart disease.

The Community-Based Intervention Program would target Dubec, a village with 1800 inhabitants, east of Prague. A survey to screen and characterize the entire community would be followed by training of physicians, health professionals, and technical staff, intervention to educate the community, and programs to reduce risk factors in individuals. The program would be modeled after SCRDP and carried out jointly by IHE, IKEM, and SMC. Individuals identified at high risk would be referred to a new High Risk Intervention Center at SMC, established with CVRI guidance.

CECHE would assist in coordination, carrying out, monitoring, and oversight of both projects. The projects would be supported by three new core facilities modeled after CVRI and SCRDP: a lipid laboratory at IKEM with state-of-the-art equipment and trained personnel, and at IHE, an Administrative Support Unit and a Central Data Management Center with trained personnel and modern computer equipment. The projects would emphasize collaborative training, joint use and management of databases, and technology transfer at each step.

What is the likely impact of such a program? Both projects are feasible and have the potential for vast impact. The Litomerice Secondary Prevention Project will have a rapid start-up and immediate impact on recurrence of coronary events in high-risk individuals. The manageable size of Dubec enables rapid development and implementation of intervention programs for the entire community, and evaluation of the impact in the last six months. The activities, however, have implications far beyond the borders of Prague and Dubec. The experience and the technology developed in Dubec can be applied directly to two larger regions: Litomerice, a district 70 times the size of Dubec in the north, and Havlickuv Brod, a community of 100,000 inhabitants southeast of Prague, both of which have approached IKEM for assistance. Furthermore, Central Europe as a whole has disease patterns, a health care system, and a lifestyle similar to that of Czechoslovakia. The experience, the technology, and the training of manpower for these projects would simplify similar regionwide implementation efforts that could substantially reduce CVD morbidity and mortality in all of East Central Europe.

The American and Czechoslovak partners are highly qualified to carry out this program. The CVRI has one of the leading American clinical and research programs for the detection and treatment of hypercholesterolemia and other cardiovascular disease risk factors. SCRDP is renowned worldwide for successful community-based intervention focused on CVD. Both are backed by the organizational structure of their respective universities. CECHE personnel know Central Europe as well as the partners and specialize in the health problems pertinent to this grant application. SMC, IKEM, and IHE are each recognized for their leadership in CVD diagnosis, treatment, and prevention. Their commitment is apparent from their initiative in seeking the collaboration, expressions of support from the highest levels, and readiness to initiate the projects with their own limited resources if necessary.

The program would be overseen by an Executive Board comprising heads of CVRI, SCRDP, CECHE, SMC, and key personnel at IKEM and IHE. The Board will be supported by two larger multidisciplinary project teams. Implementation plans, site visits, meetings, and periodic reports would be among the management tools.

The partners request \$2,091,379 over a three-year period. This will be supplemented by services and other in-kind contributions from the Czechoslovak and American partners.