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ON HEALTH RESEARCH

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RESEARCH FUNDS OF THE PAN AMERICAN HEALTH ORGANIZATION

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I. INTRODUCTION

The Secretariat, at the XXIV Meeting of the Advisory Committee on Health Research (ACHR), in Havana, Cuba, was requested to provide an update to this meeting on the funding of research activities in 1985 by the Organization. This document complies, in part, with this request as information is presented for most regional programs and specialized PAHO Centers. The information could not be elicited from the PAHO Centers of PANAFTOSA, INCAP or CLAP nor from country programs in time for inclusion of this report.

II. FUNDING FOR RESEARCH - 1985

Financial information on research activities was requested from the regional programs and centers by means of the same questionnaire used to obtain this information for 1984.^{1/}

The questionnaire requested the amounts and source of funding (regular or extrabudgetary) expended or allocated in 1985 for research activities in the following categories:

1. Personnel
 - Professional and support staff of the Organization
 - Consultants and/or advisors to the Organization
2. Meetings
 - Including seminars, workshops, courses, symposia, etc.
3. Supplies and materials
4. Formal publications
5. Dissemination of information
6. Grants, contracts and personnel service agreements

For purposes of the questionnaire, research was considered not only as the actual carrying out or financial support to research projects, but also, as all activities of research promotion and coordination; providing advisory assistance to the formulation and execution of policies, design, and the evaluation and review of programs and projects, research training, etc.

Information was also requested on travel related to research as well as the total available budget of the program for all 1985 activities. This figure, for the most part, corresponded to an amount that was one-half that assigned to the 1984-1985 biennium. The aggregate of the research funds in the different categories could then be related to the total funds available to the program or centers.

^{1/} Research Funds of the Pan American Health Organization.
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Expenditures related to staff costs, if not actually known, were estimated by pro-rating the budgeted cost of the post to the amount of time devoted to research by that staff member.

Table 1 shows the distribution of funds used for research in 1985 by category of research for regional programs having coordination of PAHO Centers. Table 2 shows the same information for those regional programs without Centers. It should be noted that data for the Health Technology Development (HSA) program reflects only one component of its program -- the promotion of technology in health services development. Figure 1 shows that 51.3% of the total funds of the regional programs including their corresponding centers was distributed for personnel costs, followed by 36.1% for grants, contracts and personal services agreements. In comparison, in 1984, personnel accounted for 62.4% and grants 14.2%. The large percentage increase in grants in 1985 reflects the awarding of \$968,319 -- (41%) of the total in this category -- for 68 projects in the PAHO Research Grants Program.

Table 3, shows the total funds used for research in PAHO regional programs, including those centers which form a part of the program, by source of fund. A total of US\$6,531,935 was used for research activities by the regional programs, including that of research coordination. Of this total, US\$1,130,267, (17.3%) was used by the PAHO Centers, and combined with funds of the regional programs coordinating the centers, 36.4% of the total research funds in 1985 can be accounted for.

Three programs, DRC, HPT and HPM, accounted for 46.3% of the 1985 total. The percentage of research supported by PAHO regular funds was 73% overall.

Tables 4 and 5 show the distribution of research funds by category and source of fund, respectively, for the PAHO Centers with available data. As can be seen in these tables, CEPIS and CFNI account for 79.6% of the total research funds used by the Centers. Personnel costs accounted for 71% and grants 16% of the total by category of research activity.

Table 6, shows the relationship, by source of fund, of the monies used for research to those available for all activities of the regional program including their corresponding Centers. Of the \$38,033,654 allocated to the 12 regional programs reporting information in 1985, 17.1% was used for research. Overall, 18.4% of the regular funds and 14.4% of the extrabudgetary funds were devoted to research activities in 1985 in these programs.

III. COMMENTS

In 1984, a total of \$8,958,492 was reported for research activities from 13 regional programs, including their corresponding Centers. This figure is not directly comparable to the \$6,531,935 reported for 1985 activities since some programs and centers did not report information in 1985 that did in 1984. A comparison of the amount of funds used for research in regional programs including corresponding centers who reported information in both

Table 1

Funds* used for Research Activities in 1985 by Regional Programs having corresponding Centers
(Percentage of total research funds)

Programs Center	P E R S O N N E L							Dissemination Information	Grants Contracts	Total
	Professional	Support	Consultants Advisors	Meetings	Supplies and Materials	Publications				
Epidemiology (HCE)	27,685 (100)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	27,685 (100)	
CAREC	71,858 (84.7)	4,500 (5.3)	0 (0.0)	0 (0.0)	8,500 (10.0)	0 (0.0)	0 (0.0)	0 (0.0)	84,858 (100)	
Total	99,543 (88.4)	4,500 (4.0)	0 (0.0)	0 (0.0)	8,500 (7.6)	0 (0.0)	0 (0.0)	0 (0.0)	112,543 (100)	
Maternal and Child Health (HPH)	102,406 (12.9)	22,070 (2.8)	104,700 (13.2)	108,500 (13.6)	23,981 (3.0)	0 (0.0)	0 (0.0)	434,446 (54.6)	796,103 (100)	
CLAP	...	...	...	...	...	...	...	...	...
Total	102,406 (12.9)	22,070 (2.8)	104,700 (13.2)	108,500 (13.6)	23,981 (3.0)	0 (0.0)	0 (0.0)	434,446 (54.6)	796,103 (100)	
Food and Nutrition (HPN)	20,000 (15.0)	3,000 (2.2)	63,000 (47.7)	7,800 (5.8)	7,000 (5.2)	0 (0.0)	2,000 (1.5)	30,000 (22.5)	133,400 (100)	
CFNI	240,000 (62.1)	50,000 (12.9)	25,000 (6.5)	7,000 (1.8)	17,750 (4.6)	0 (0.0)	0 (0.0)	47,000 (12.2)	386,750 (100)	
INCAP	...	...	...	...	...	...	...	...	...
Total	260,000 (50.0)	53,000 (10.2)	88,600 (17.0)	14,800 (2.8)	24,750 (4.8)	0 (0.0)	2,000 (0.4)	77,000 (14.8)	520,150 (100)	
Veterinary Public Health (HPV)	85,365 (36.7)	5,970 (2.6)	25,000 (10.7)	3,500 (1.5)	111,000 (47.7)	0 (0.0)	0 (0.0)	2,000 (0.9)	232,835 (100)	
CEPANZO	39,052 (49.1)	11,839 (14.9)	0 (0.0)	5,722 (7.2)	22,203 (27.9)	0 (0.0)	0 (0.0)	720 (0.9)	79,536 (100)	
PANAFTOSA	...	...	...	...	...	...	...	...	...
Total	124,417 (39.8)	17,809 (5.7)	25,000 (8.0)	9,222 (3.0)	133,203 (42.6)	0 (0.0)	0 (0.0)	2,720 (0.9)	312,371 (100)	
Environmental Health (HPE)	51,000 (90.0)	4,000 (7.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1,680 (3.0)	0 (0.0)	56,680 (100)	
CEPIS	237,918 (46.3)	80,785 (15.7)	8,522 (1.7)	17,288 (3.4)	35,188 (6.8)	1,884 (0.4)	310 (0.1)	132,128 (25.7)	514,023 (100)	
ECO	32,300 (49.6)	800 (1.2)	0 (0.0)	32,000 (49.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	65,100 (100)	
Total	321,218 (50.5)	85,585 (13.5)	8,522 (1.3)	49,288 (7.8)	35,188 (5.5)	1,884 (0.3)	1,990 (0.3)	132,128 (20.8)	635,803 (100)	
Health Manpower (HSH)	288,435 (70.5)	15,750 (3.9)	54,500 (13.3)	24,000 (5.9)	9,800 (2.4)	2,500 (0.6)	10,000 (2.4)	4,000 (1.0)	408,985 (100)	
BIREME	...	...	...	...	...	...	...	...	...
Total	288,435 (70.5)	15,750 (3.9)	54,500 (13.3)	24,000 (5.9)	9,800 (2.4)	2,500 (0.6)	10,000 (2.4)	4,000 (1.0)	408,985 (100)	

* In USA\$

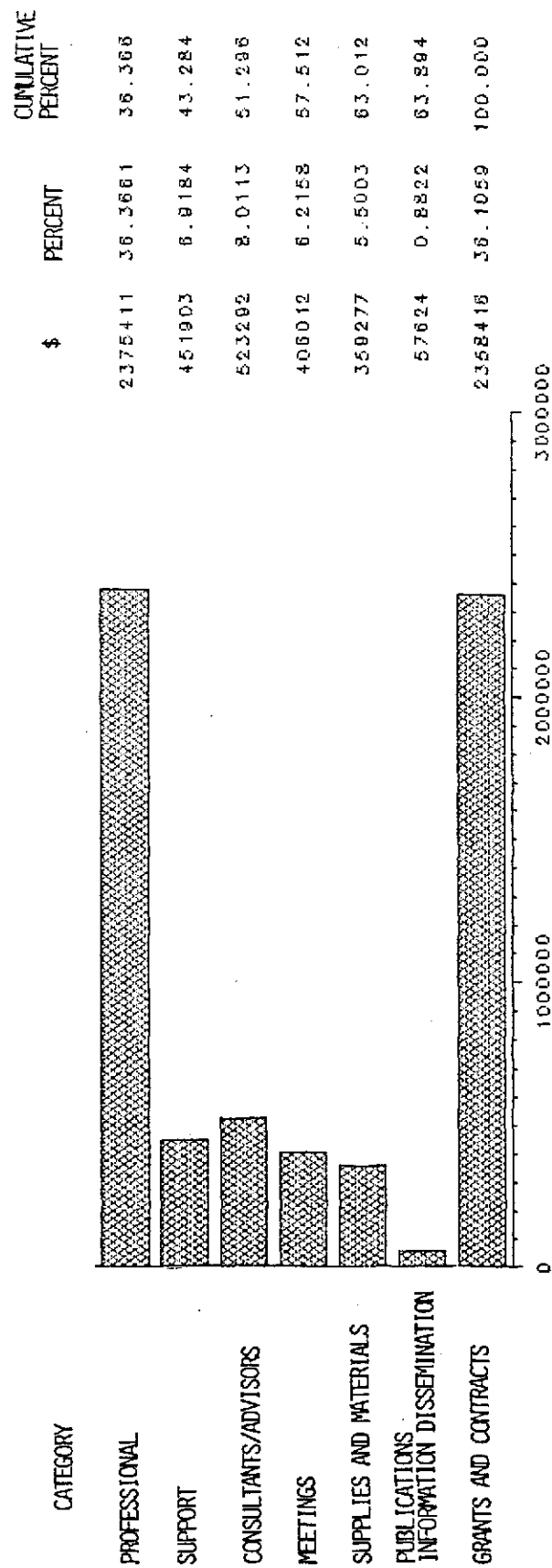
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Table 2
Funds* used for Research Activities in 1985 by Regional Programs having corresponding Centers
(Percentage of total research funds)

Programs Center	P E R S O N N E L							Dissemination Information	Grants Contracts	Total
	Professional	Support	Consultants Advisors	Meetings	Supplies and Materials	Publications				
Health of Adults (HPA)	253,011 (43.9)	53,875 (9.4)	30,900 (5.4)	61,970 (10.8)	8,000 (1.4)	0 (0.0)	0 (0.0)	168,000 (29.2)		575,756 (100)
Tropical Diseases (HPT)	494,900 (57.8)	75,100 (8.8)	71,650 (8.4)	63,100 (7.4)	96,800 (11.3)	32,500 (3.8)	0 (0.0)	22,500 (2.6)		856,550 (100)
Health Technology Development (HSA) ¹	119,500 (22.4)	33,250 (6.2)	59,899 (11.2)	8,353 (1.6)	0 (0.0)	0 (0.0)	0 (0.0)	312,784 (58.6)		533,786 (100)
Health Services Delivery (HSC)	48,000 (21.1)	4,536 (2.0)	33,500 (14.8)	0 (0.0)	0 (0.0)	2,000 (0.9)	0 (0.0)	139,000 (61.2)		227,036 (100)
Research Coordination (DRC)	216,081 (15.6)	80,128 (5.8)	5,921 (0.4)	56,779 (4.1)	19,055 (1.4)	4,750 (0.3)	0 (0.0)	998,838 (72.3)		1,381,552 (100)

* In USA\$
1 Partial information.

FIGURE 1.
TOTAL PAHO FUNDS IN 1985 USED FOR RESEARCH ACTIVITIES
IN REGIONAL PROGRAMS WITH PERCENTAGES BY CATEGORY



TOTAL FUNDS
(IN \$ USA)

TABLE 3
FUNDS USED FOR RESEARCH IN PAHO REGIONAL PROGRAMS IN 1985
WITH PERCENTAGE () OF TOTAL RESEARCH FUNDS USED IN EACH PROGRAM¹

PROGRAMS	R E S E A R C H F U N D S		
	REGULAR	EXTRA BUDGET	TOTAL
HCE *	33,685 (0.7)	78,858 (4.4)	112,543 (1.7)
HPM	115,621 (2.4)	680,482 (38.5)	796,103 (12.1)
HPN *	423,400 (8.8)	96,750 (5.4)	520,150 (7.9)
HPV *	152,104 (3.1)	160,267 (9.0)	312,371 (4.7)
HPE *	501,064 (10.5)	134,739 (7.6)	635,803 (9.7)
HPA	167,356 (3.5)	408,400 (23.1)	575,756 (8.8)
HPT	750,350 (15.7)	106,200 (6.0)	856,550 (13.1)
HSA ²	433,784 (9.1)	100,002 (5.6)	533,786 (8.1)
HSC	227,036 (4.7)	0 (0.0)	227,036 (3.4)
HSM	408,985 (8.5)	0 (0.0)	408,985 (6.2)
HSS	171,300 (3.5)	0 (0.0)	171,300 (2.6)
DRC	1,381,552 (28.9)	0 (0.0)	1,381,552 (21.1)
TOTAL	4,766,237 (100.0)	1,765,698 (100.0)	6,531,935 (100.0)

1 TO IDENTIFY THE SYMBOLS CORRESPONDING TO EACH PROGRAM, SEE THE ANNEX

2 PARTIAL INFORMATION

* INCLUDES PAHO CENTERS WHICH FORM A PART OF THE RESPECTIVE PROGRAM

WITHIN EACH PROGRAM THE FOLLOWING AMOUNTS WERE USED FOR TRAVEL BY PAHO STAFF:
HCE: 36,900; HPM: 17,600; HPN: 25,000; HPV: 10,000; HPE: 26,890; HPA: 11,000;
HPT: 86,500; HSC: 3,000; HSS: 10,000; DRC: 16,133.

TABLE 4
FUNDS USED FOR RESEARCH ACTIVITIES IN 1985 BY PAHO CENTERS *
(PERCENTAGE OF TOTAL RESEARCH FUNDS)

CENTER	PERSONNEL				MEETINGS	SUPPLIES & MATERIALS	PUBLICATIONS	DISSEMINATION INFORMATION	GRANTS CONTRACTS
	PROFESSIONAL	SUPPORT	CONSULTANTS ADVISORS						
CAREC	71858 84.7	4500 5.3	0 0.0	0 0.0	0 0.0	8500 10.0	0 0.0	0 0.0	0 0.0
CFNI	240000 62.1	50000 12.9	25000 6.5	7000 1.8	17750 4.6	0 0.0	0 0.0	0 0.0	47000 12.2
CEPANZU	39052 49.1	11839 14.9	0 0.0	5722 7.2	22203 27.9	0 0.0	0 0.0	0 0.0	720 0.9
CEPIS	237918 46.3	80785 15.7	8522 1.7	17288 3.4	35188 6.8	1884 0.4	310 0.1	132128 25.7	
ECU	32300 49.6	800 1.2	0 0.0	32000 49.2	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
TOTAL	621120 55.0	147924 13.1	33522 3.0	62010 5.5	83641 7.4	1884 0.2	310 0.0	179848 15.9	

TABLE 5
SOURCE OF FUNDS USED FOR RESEARCH ACTIVITIES IN 1985
BY PAHO CENTERS *
(PERCENTAGE OF TOTAL)

CENTERS	REGULAR	EXTRA BUDGET	TOTAL
CAREC	6,000 (0.7)	70,858 (25.9)	84,858 (7.5)
CFNI	305,000 (36.9)	81,750 (26.8)	386,750 (34.2)
CEPANZU	70,769 (8.5)	8,767 (2.8)	79,536 (7.0)
CEPIS	395,284 (47.8)	118,739 (39.0)	514,023 (45.4)
ECU	49,100 (5.9)	16,000 (5.2)	65,100 (5.7)
TOTAL	926,153 (100.0)	304,114 (100.0)	1,130,267 (100.0)

* TO IDENTIFY THE CORRESPONDING SYMBOLS OF EACH CENTER, SEE THE ANNEX.

TABLE 6
FUNDS USED FOR RESEARCH IN PAHO PROGRAMS IN 1985 WITH PERCENTAGES ()
OF TOTAL PROGRAM FUNDS BY SOURCE OF FUNDS¹
(IN \$ USA)

PROGRAMS	FUNDS FOR RESEARCH			TOTAL PROGRAM FUNDS		
	REGULAR (A)	EXTRA BUDGET (B)	TOTAL (C)	REGULAR (D)	EXTRA BUDGET (E)	TOTAL (F)
HCE *	33,685 (1.2)	78,858 (5.4)	112,543 (2.7)	2,664,400 (100.0)	1,455,916 (100.0)	4,120,316 (100.0)
HPM	115,621 (5.8)	680,482 (19.2)	796,103 (14.3)	1,988,185 (100.0)	3,540,711 (100.0)	5,528,896 (100.0)
HPN *	423,400 (24.6)	96,750 (23.5)	520,150 (24.4)	1,715,260 (100.0)	410,242 (100.0)	2,125,502 (100.0)
HPV *	152,104 (8.6)	160,267 (4.2)	312,371 (5.6)	1,765,450 (100.0)	3,784,254 (100.0)	5,549,704 (100.0)
HPE *	501,064 (17.9)	134,739 (8.9)	635,803 (14.7)	2,797,467 (100.0)	1,513,617 (100.0)	4,311,084 (100.0)
HPA	167,356 (11.8)	408,400 (47.4)	575,756 (25.2)	1,417,390 (100.0)	859,905 (100.0)	2,277,295 (100.0)
HPT	750,350 (35.3)	106,200 (22.8)	856,550 (33.1)	2,120,750 (100.0)	464,900 (100.0)	2,585,650 (100.0)
HSA ²	433,784 (95.7)	100,002 (100.0)	533,786 (96.5)	453,100 (100.0)	100,002 (100.0)	553,102 (100.0)
HSC	227,036 (8.7)	0 (0.0)	227,036 (8.3)	2,591,150 (100.0)	119,755 (100.0)	2,710,905 (100.0)
HSM	408,985 (8.0)	0 (100.0)	408,985 (8.0)	5,082,700 (100.0)	0 (100.0)	5,082,700 (100.0)
HSS	171,300 (9.4)	0 (100.0)	171,300 (9.4)	1,806,948 (100.0)	0 (100.0)	1,806,948 (100.0)
DRC	1,381,552 (100.0)	0 (100.0)	1,381,552 (100.0)	1,381,552 (100.0)	0 (100.0)	1,381,552 (100.0)
TOTAL	4,766,237 (18.4)	1,765,698 (14.4)	6,531,935 (17.1)	25,784,352 (100.0)	12,249,302 (100.0)	38,033,654 (100.0)

¹ TO IDENTIFY THE SYMBOLS CORRESPONDING TO EACH PROGRAM, SEE THE ANNEX.

² PARTIAL INFORMATION.

* INCLUDES PAHO CENTERS WHICH FORM A PART OF THE RESPECTIVE PROGRAM.

THE PERCENTAGES SHOWN FOR RESEARCH FUNDS IN EACH PROGRAM IN COLUMNS A,B,C WERE CALCULATED ON THE BASIS OF THE CORRESPONDING SOURCE OF TOTAL FUNDS SHOWN FOR EACH PROGRAM IN COLUMNS D,E,F.

years indicates that the amount allocated to research increased by \$1,274,961 or 24% from that allocated in 1984 by the same programs. This would appear to show a continued commitment by the Organization to support research in its Technical Programs. However, in view of the current budget situation affecting the Organization, this trend may not be continued in the next biennium.

This year's survey on the use of funds to support research in PAHO was faced with similar problems as those of the previous survey. Several programs/centers did not report or only supplied partial information in 1985 as compared to 1984. Of the 12 programs that reported, almost all did not report in a timely fashion failing to respond by the date requested. The data reported on staff costs are subject to the largest error, since they are estimates of the percentage of one's time devoted to research. They are useful, however, in providing at least some information and are fairly consistent with the expectation of costs in this category.

The Secretariat is striving to improve the accuracy of information obtained and the timeliness in which it is reported. Discussions have been initiated with other programs of this Organization in seeking solutions to this problem as well as ways to better identify those activities which have a research component.

The acronyms of the various PAHO programs reported on funds used for research activities in 1985 are listed below:

I. OFFICE OF THE DIRECTOR

DRC - RESEARCH COORDINATION (Focal point for research coordination within PAHO, research policies, organization of research, administration of the research grants program, social medicine research, operational research, statistical support, development of information systems).

II. HSI - HEALTH SYSTEMS INFRASTRUCTURE AREA

HSS - HEALTH SYSTEMS DEVELOPMENT (Health policies, planning, systems organization and administration, financing, development of projects, health legislation).

HSC - HEALTH SERVICES DELIVERY (Administration of health services, organization of local health services, community participation, health education, oral health).

HSM - HEALTH MANPOWER (Policies for the development of human resources, planning, training and use). Coordination of the Fellowships Program, Textbook Program and Latin American Center on Health Sciences Information (BIREME).

HSA - HEALTH TECHNOLOGY DEVELOPMENT (Laboratory and other methods of diagnosis and treatment, essential drugs, vaccines and other biological products, technology of equipment and evaluation of technologies).

III. HPD - HEALTH PROGRAMS DEVELOPMENT AREA

HPE - ENVIRONMENTAL HEALTH (Water supply, basic sanitation, environmental sanitation, human ecology, development of the operating capacity of water supply and sewerage institutions, health aspects of housing, organization of workers' health programs, effects of work on health, technologies for the protection of workers health). Coordination of the Pan American Center for Sanitary Engineering and Environmental Sciences (CEPIS) and of the Pan American Center for Human Ecology and Health (ECO).

- HPV - VETERINARY PUBLIC HEALTH (Zoonoses, Foot-and-Mouth Disease, food protection). Coordination of the Pan American Zoonoses Center (CEPANZO) and the Pan American Foot-and-Mouth Disease Center (PANAFTOSA).
- HPN - FOOD AND NUTRITION (National food and nutrition policies, food and nutrition surveillance systems, food and nutrition in primary care, national and regional food system). Coordination of the Caribbean Food and Nutrition Institute (CFNI) and the Institute of Nutrition of Central America and Panama (INCAP).
- HPT - TROPICAL DISEASES (Malaria, vector control, other tropical diseases, research and training).
- HPM - MATERNAL AND CHILD HEALTH (Maternal health, child health, health of adolescent, breastfeeding, family planning, growth and development, immunizations, diarrheal diseases, tuberculosis and acute respiratory diseases). Coordination of the Latin American Center for Perinatology and Human Development (CLAP).
- HPA - HEALTH OF ADULTS (cancer, cardiovascular diseases, diabetes, other noninfectious diseases, health problems of the aged, rehabilitation, mental health).
- HCE - EPIDEMIOLOGY (Coordination of epidemiological studies of the technical programs of PAHO, epidemiological surveillance, analysis of the health situation and its trends). Coordination of the Caribbean Epidemiology Center (CAREC).