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# Country Health Profile Thailand

April 1989



**DRAFT**



Center for International Health Information  
USAID Health Information System  
1601 N. Kent Street  
Suite 1001  
Arlington, Virginia 22209  
(703) 524-5225

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FY 1990 Congressional Presentation

The Center for International Health Information, a division of ISTI, operates the USAID Health Information System under contract number DPE 5951-Z-00-8004-00 with the Office of Health, Bureau of Science and Technology, U.S. Agency for International Development.

The Center for International Health Information  
Barton R. Burkhalter, Ph.D.,  
Director  
1601 N. Kent Street  
Suite 1001  
Arlington, VA 22209  
(703) 524-5225  
FAX (703) 243 4669  
Telex 272785 ISTI UR

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## THAILAND

### Country Health Profile

#### DEMOGRAPHICS

Total Population:	55,524,000†
Children Under Five:	5,664,000*
Crude Birth Rate:	29/1,000**
Crude Death Rate:	7/1,000†
Infant Mortality Rate:	35/1,000Δ
Child Mortality Rate:	10/1,000*
Life Expectancy at Birth:	64 Years†
Annual Births:	1,196,000*
Total Fertility Rate:	2.4 ChildrenΔ

#### HEALTH INDICATORS

Immunization Coverage:	
DTP3	48%
Polio3	47%
Measles	34%
BCG	61%
Tetanus2	38%
Oral Rehydration Therapy:	
ORS Access Rate	90%
ORT Use Rate	30%

All data from USAID Health Information System, CIHI

#### Demographic Data:

- † U.S. Bureau of the Census, 1987
- \* United Nations, 1987, 1988
- \*\* Population Reference Bureau, 1988
- Δ Demographic Health Surveys

#### ORT Data:

For 1987, WHO Report, 1989

#### Immunization Data:

For 1987, WHO/EPI Report, January, 1989

#### USAID Health and Child Survival Project Support

**Science and Technology for Development** promotes the privatization of public health programs and furthers the development, testing, and research of vaccines. Project objectives also include improving the planning and management of natural resources.

**Emerging Problems of Development II** advances the cooperation of private and public organizations in health care policy research and reform, and expands the role of the private sector. Two major problems this cooperative strives to resolve are health care financing and cost recovery.

**PVO Co-Financing II** continues support and integration of private voluntary organizations in health activities, including the local production of medical equipment and health care commodities. Technical assistance is provided in communication and management, training physicians, nurses, and health workers in immunization practices, and producing mass immunization campaigns.

#### **USAID/Washington Support**

**Catholic Relief Services**, a private voluntary organization under a vitamin A grant, fosters improved nutritional practices through food enrichment and home gardening, in addition to distributing vitamin A supplements.

**PRICOR** (Primary Health Care Operations Research) analyzes the delivery of health services and the effectiveness of promotional projects. The Center for Human Services, Inc., in cooperation with host country institutions, researches current child survival activities through studies on ORT, immunization and nutrition, as well as health care financing and water supply and sanitation.

**CSAP Support - American Medical Association** provides training for local physicians in child survival activities to integrate private practices and facilities into the public system. The program also attempts to increase public awareness through media campaigns to foster behavioral changes.

**Applied Diarrheal Disease Research Project** is working with the Ministry of Public Health to control diarrheal disease by improving water supply and sanitation, educating mothers in appropriate weaning practices, investigating specific therapy in low income areas, and producing comparative studies of morbidity and risk factors in different areas of Thailand.

**Global AIDS Program**, sponsored by WHO and supported by USAID, establishes collaborating research centers. The center in Thailand studies the prevalence of the AIDS virus and develops control strategies, primarily in transfusion and immunization procedures.

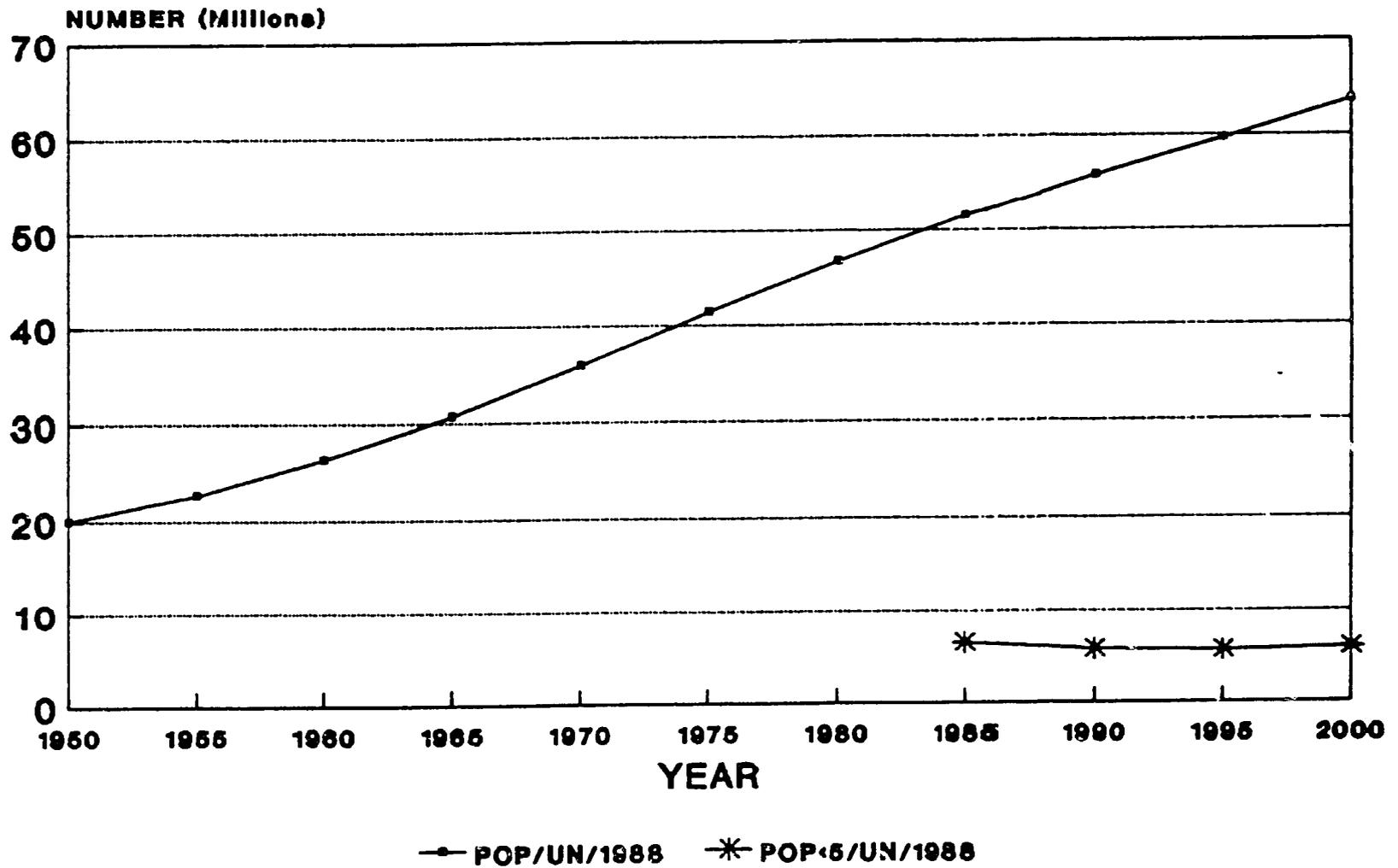
**Freedom from Hunger Foundation** improves nutritional planning by educating Community Health Workers (CHW) in community development, health, and nutrition.

## THAILAND

POPULATION SIZE	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000
POP/UN/1988	20,010	22,762	26,392	30,641	35,745	41,359	46,718	51,604	55,702	59,605	63,675
POP/Ducon	20,042				37,091	42,272	46,926	51,753	56,449	61,046	65,521
POP<SIM1988								6,400	5,664	5,530	5,800
POP<S/Ducon					6,190	6,486	6,051	6,324	6,303	6,328	6,350
INFANT/CHILD MORTALITY RATES	1950-55	1955-60	1960-65	1965-70	1970-75	1975-80	1980-85	1985-90	1990-95	1995-2000	
IMR/UN/1988	132	111	95	84	65	56	48	39	32	27	
IMR/UN/0105	132	111	95	84	65	56	48	39	32	27	
CMR/UN/0105	73	57	46	38	28	20	15	10	7	5	
TOTAL FERTILITY RATE	1950-55	1955-60	1960-65	1965-70	1970-75	1975-80	1980-85	1985-90	1990-95	1995-2000	
TPR/UN/1986	6.6	6.4	6.4	6.1	5.0	4.3	3.5	2.7	2.6	2.5	
TPR/UN/1988	6.6	6.4	6.4	6.1	5.0	4.3	3.5	2.6	2.2	2.1	
VACCINATION COVERAGE RATES	1981	1982	1983	1984	1985	1986	1987				
BCG	71	73	75	76	80	95	61				
DPT3	52	21	49	53	62	71	48				
Polio 3	31	34	46	53	61	70	47				
Measles				6	26	45	34				
ORAL REHYDRATION THERAPY	1982	1983	1984	1985	1986	1987					
ORS Access Rate	N/A	60	53	64	72	90					
ORS Use Rate	25	35	18	16	26	30					
ORT Use Rate	N/A	N/A	N/A	16	31	30					

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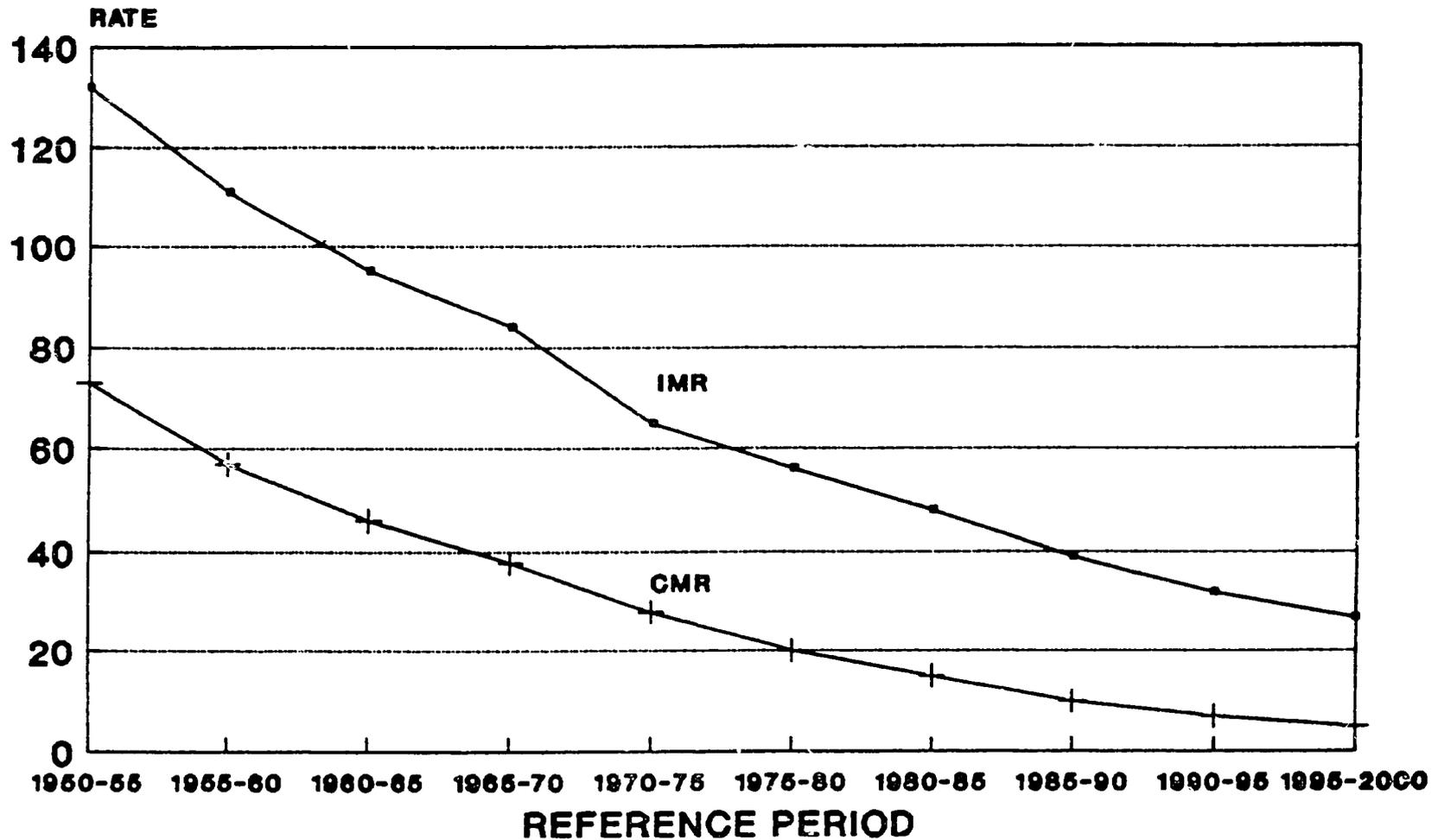
# ESTIMATED TOTAL AND CHILD POPULATION FOR THAILAND: 1950-2000



Source: POP/UN/1988

Center For International Information/ISTI, 4/6/89

# INFANT AND CHILD MORTALITY RATES IN THAILAND: 1950-2000

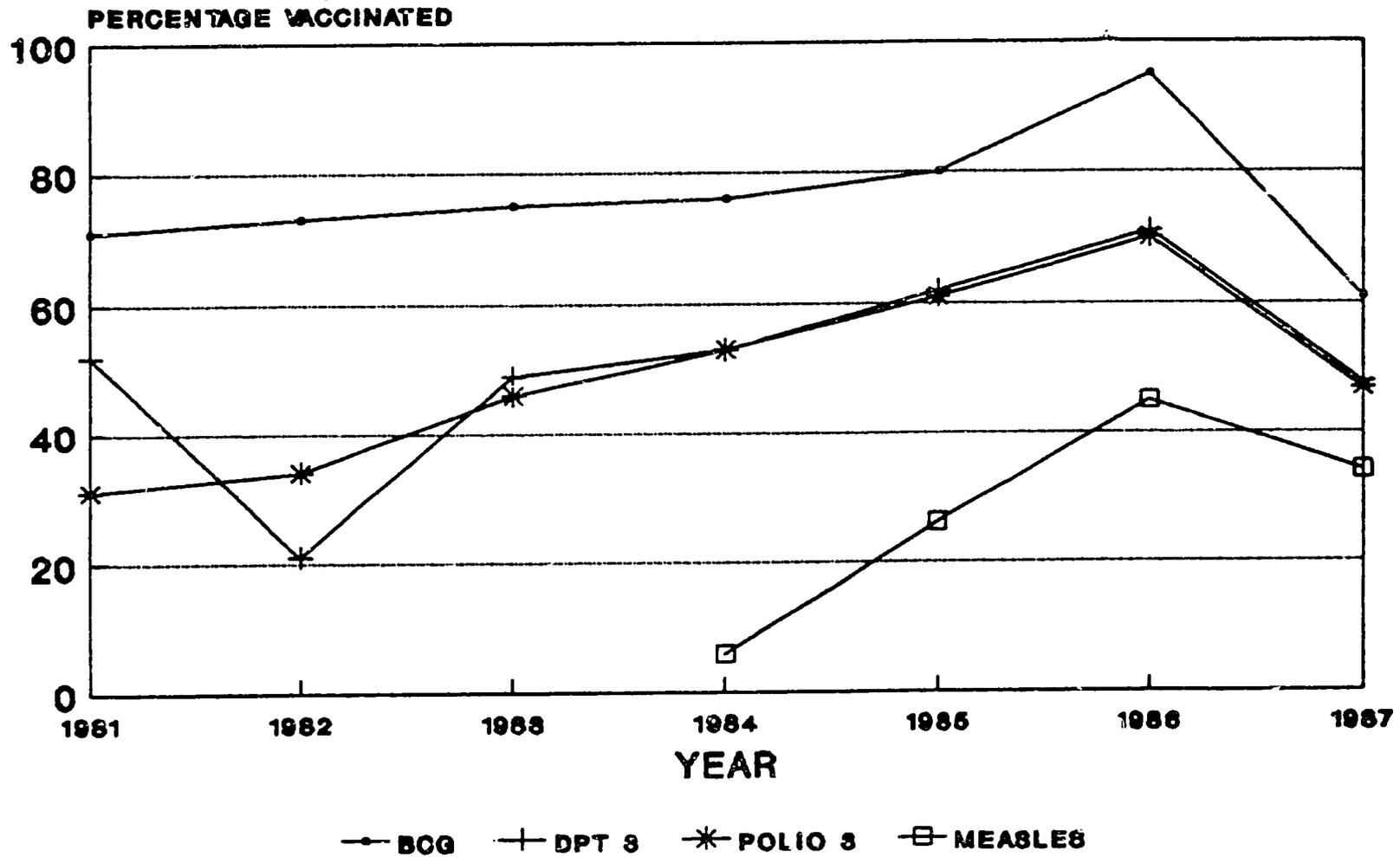


Sources: IMR/UN/1988 and  
CMR/UN#105

Center For International Health Information/ISTI, 4/6/89

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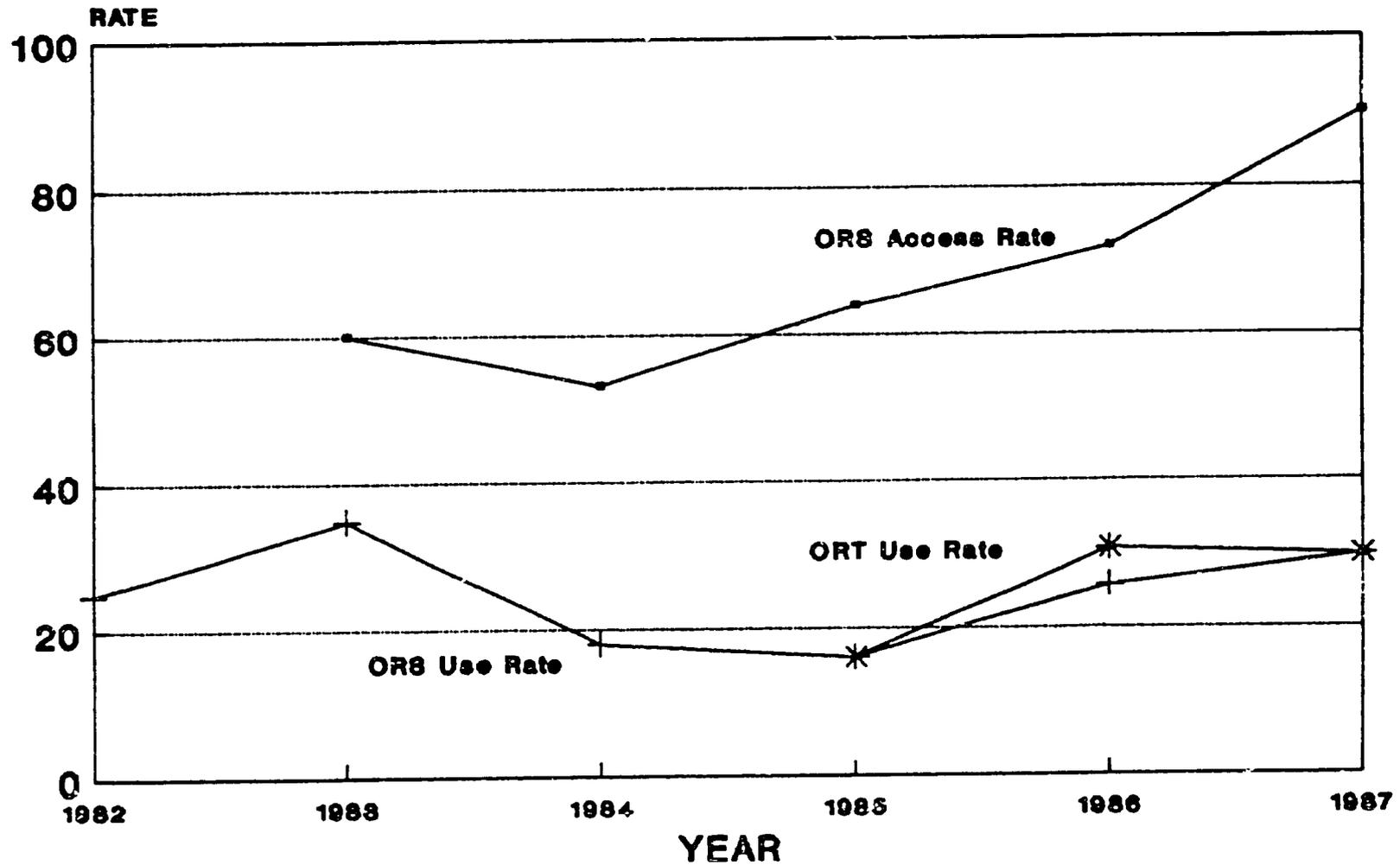
# VACCINATION COVERAGE RATES THAILAND: 1981-1987



Source: WHO

Center For International Health Information/ISTI 4/6/89

# ORAL REHYDRATION THERAPY THAILAND: 1982-1987

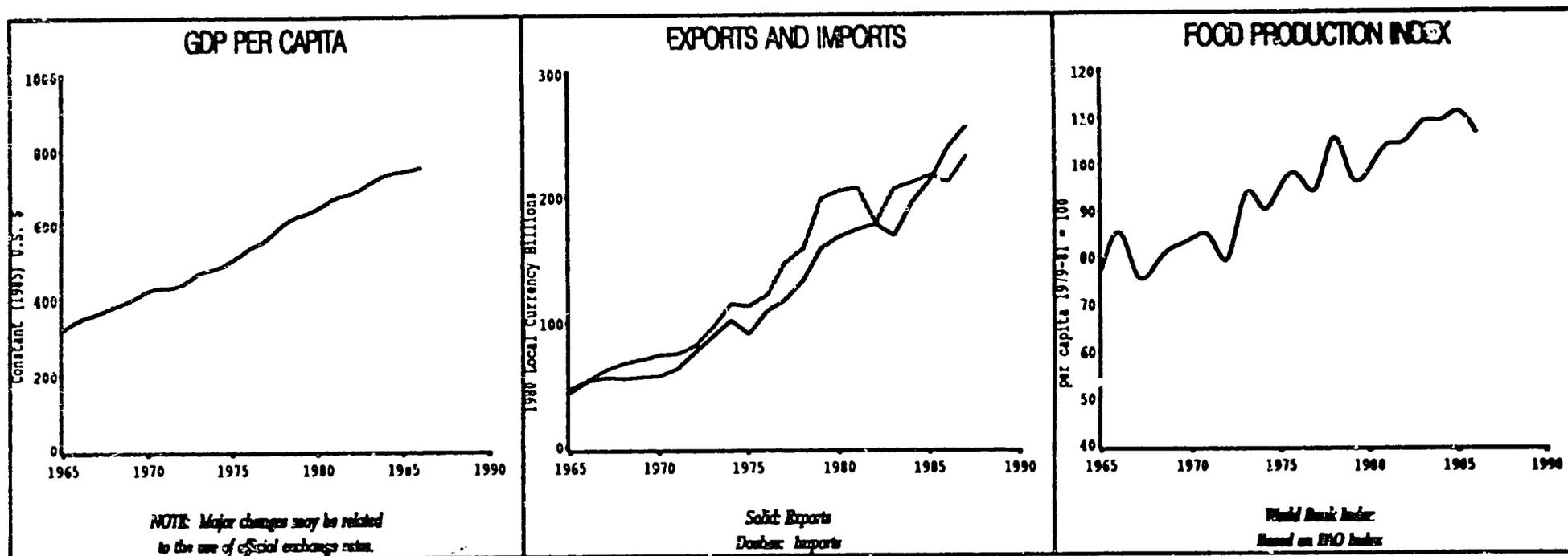


Source: WHO

Center For International Health Information/ISTH, 4/6/89

# THAILAND -- Economic Indicators

Total U.S. Aid \$ 1,090 Million (1946-87)  
 Ratio of U.S. Aid To Total ODA 6.8% (1983-86)  
 Yearly U.S. Aid Per Capita \$ 0.73 (1983-86)



## NATIONAL INCOME AND EXPENDITURES

Per Capita GNP .....	(1986)	810
Average Annual Real Per Capita GNP Growth Rate. (1965-86)		4.0%
Government Budgetary Expenditures as a % of GNP...	(1985)	21.7%
Total Expenditures and Net Lending (\$ Millions, US):		
(1983)	7,933	(1984) 8,082 (1985) 8,181
Budgetary Deficit or Surplus (\$ Millions, US):		
(1983)	-1,593	(1984) -1,439 (1985) -2,054

## INTERNATIONAL RESERVES AND EXTERNAL DEBT

Official International Reserves Equivalent to		
3.6 Months of Imports (1987)		
External Public Debt as % of GNP...	(1986)	27.4%
Service Payments on External Public Debt,		
(\$ Millions, US).....	(1986)	1,943
As % of Total Export Earnings.....	(1986)	16.7%

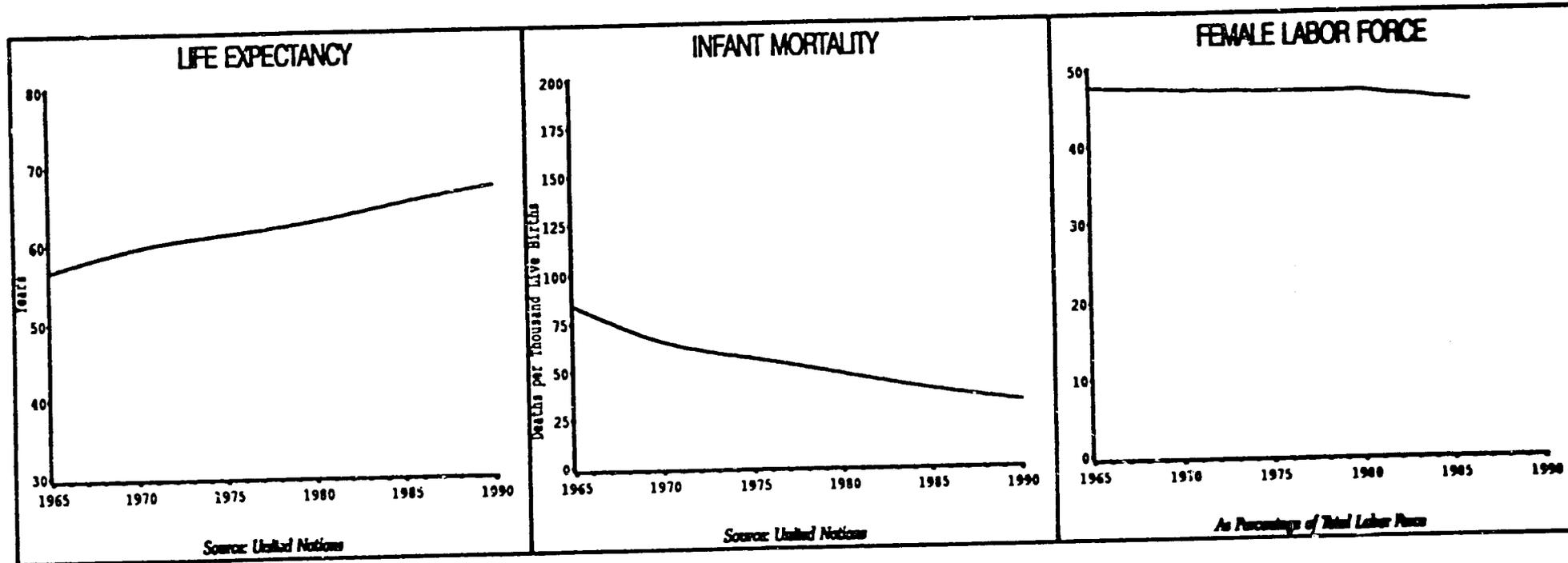
## EXTERNAL TRADE

Trade Balance (\$ Millions, US) (1985)	-226(86)	1,366(87)	1,232
Total Imports (\$ Millions, US) (1985)	10,199(86)	10,422(87)	12,032
Of Which % From U.S. ....	(1986)	14%	
Major Imports (1986); MACHINERY; FUELS & LUBRI.; BASE METALS			
Total Exports (\$ Millions, US) (1985)	9,973(86)	11,788(87)	13,265
Of Which % to U.S. ....	(1986)	18%	
Major Exports (1986) TEXTILES; RICE; TAPIOCA			
Trading Partners: JAPAN; UNITED STATES; SINGAPORE			

## AGRICULTURE

Agricultural Production as % of GDP... (1986)	17%
Major Crop(s)	As % of Arable Land
Subsistence: RICE; .;	42% (1987)
Cash: CORN; RUBBER; CASSAVA	23% (1987)
Ag. Exports: (1987) RICE; CASSAVA; RUBBER	
Ag. Imports: (1987) COTTON; DAIRY PRODUCTS; SOYBEANS	

# THAILAND -- Social Indicators



**POPULATION**  
 Total Population... (Thousands, Mid 1988) 54,589  
 Population Growth Rate... (1970) 2.8% (1978) 2.0% (1988) 1.7%  
 Population (1988) By Age Group:  
 (0-14yrs) 33.6% (15-64yrs) 62.5% (65+ yrs) 3.9%  
 Married Women Aged 15-44 yrs. Using Contraception... (1987) 67.5%  
 Total Fertility Rate... (1970) 5.1 (1988) 2.8

**HOUSEHOLD INCOME AND EMPLOYMENT**  
 National Income Received by Low 20% of Population... ( ) . . %  
 % of Population Living Below Absolute Poverty Level  
 (1978) Total . % Urban 15.0% Rural 34.0%  
 Labor Force Participation as % of Working Age Population  
 (1985) 52%  
 Proportion of Labor Force in Agriculture... (1985) 66%

**NUTRITION AND HEALTH**  
 Per Capita Calorie Supply as a % of Requirements... (1985) 108%  
 Life Expectancy at Birth, in Years (Bureau of the Census)  
 (1988) Total 64.8 Male 61.7 Female 68.1  
 (1970) Total 58.2 Male 55.2 Female 61.6  
 Infant Deaths in First Yr of Life per 1000 Live Births (1988) 51  
 % of Children 12-23 Months Old Fully Immunized Against  
 Tuberculosis (BCG3) 61% (1987) Measles 34% (1987)  
 Diphtheria (DPT) 48% (1987) Polio (3) 62% (1986)  
 Population with Reasonable Access to Safe Water Supply  
 (1983) 70%

**EDUCATION AND LITERACY**  
 Total School Enrollment as Ratio of Population in Age Group:  
 Primary (1980) Total 99.5 Male 101.7 Female 97.7  
 Secondary (1981) Total 28.2 Male . Female .  
 Post Secondary (1981) Total 15.6 Male . Female .  
 Adult Literacy Rate (1985) Male 94% (1985) Female 88%