

# References

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# APPENDIX A

Figure A1 : HIV/AIDS Organization Structure

**National AIDS Prevention and Control Organization**

**The National AIDS Prevention and Control Committee (NAC)  
Chairman : The Prime Minister**

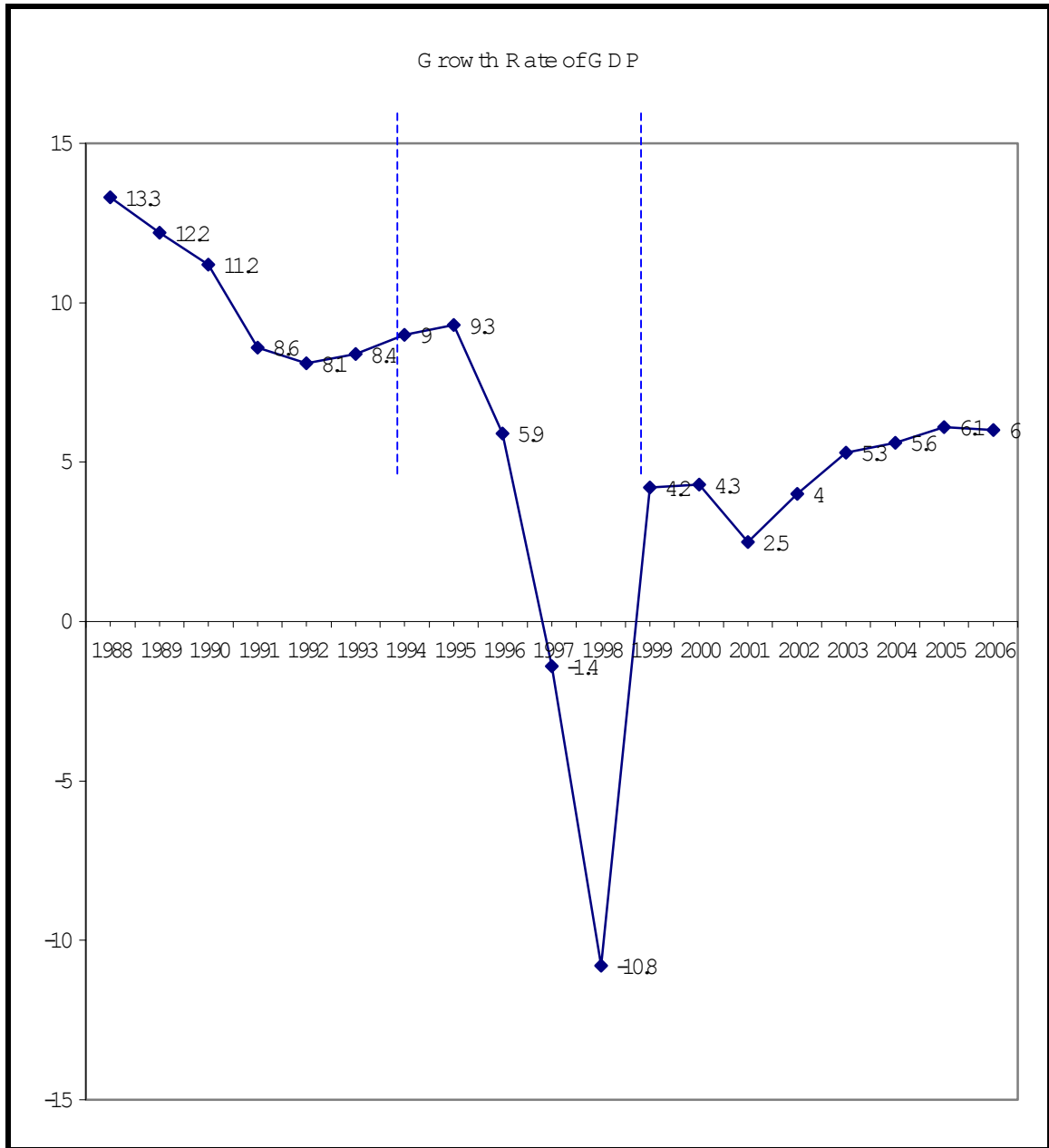
4 subcommittee

7 subcommittee

Co-ordinator  
The AIDS Program Executive Board Committee

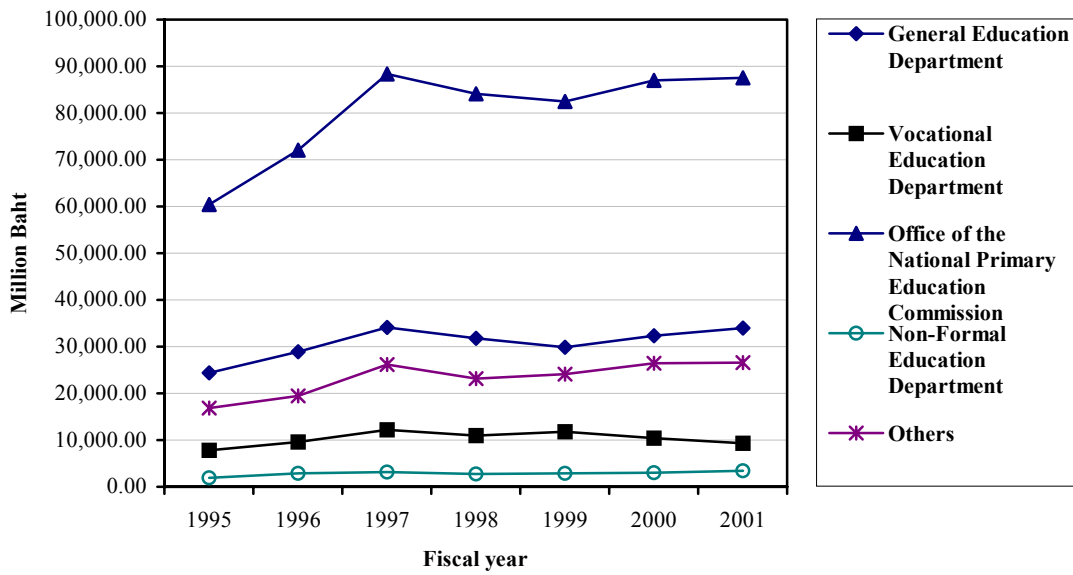
**Upper-North AIDS  
Administration Committee  
Chairman : Deputy Minister**

**Figure A 2: Thailand's Economic Growth Before, During and After Crisis 1988-2006**



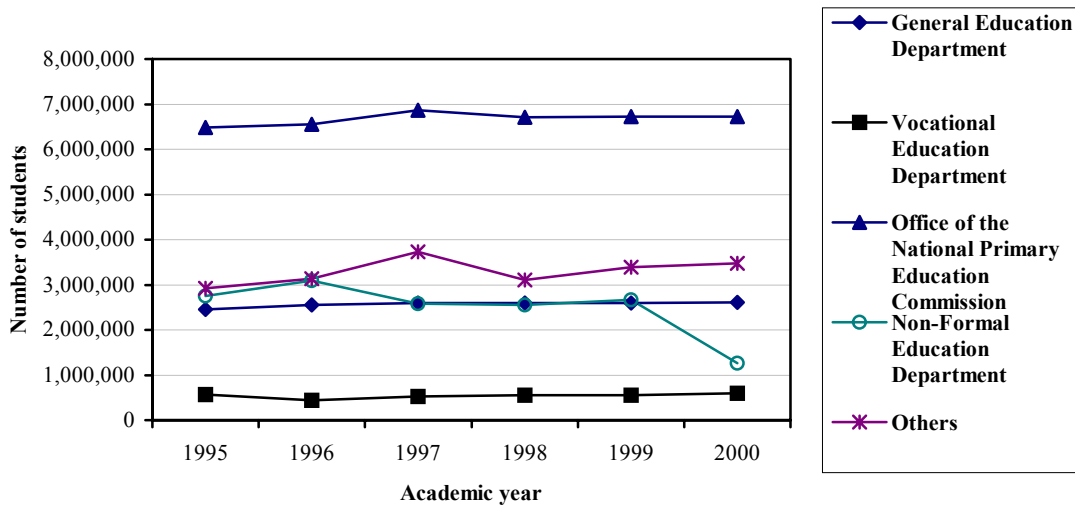
Source: Lekuthai, Phaisal, "Thailand's Recent Economic and Political Development", A paper present at the *Conference on Asia Economies, 11 October 2001, Bocconi, Italy.*

**Figure A 3 : Educational Budget Expenditures by Jurisdiction  
Fiscal Year 1995-2001**



Source: Office of the Secretary, Ministry of Education.

**Figure A 4 : Number of Students by Jurisdiction Academic Year  
1995-2000**



Source: Office of the Secretary, Ministry of Education.

## **APPENDIX B**

**Table B1: Budget on HIV/AIDS Prevention and Mitigation Programs**

Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>Items</b>														
AIDS's budget <sup>1</sup> (Million Baht)	4.6	11.1	66.6	182.7	637.5	1,121.5	1,142.5	1,558.4	2,057.1	1,986.1	1,481.5	1,439.0	1,460.2	1,487.0
Increasing rate		141.3	500	174.3	248.9	75.9	1.9	36.4	43.1	-3.5	-25.5	-2.9	1.5	1.8
Total budget <sup>2</sup> (Million Baht)	243,500	285,500	335,000	387,500	460,000	560,000	625,000	715,000	843,200	944,000	800,000	825,000	860,000	910,000
% of AIDS budget to total budget	0.002	0.004	0.019	0.047	0.138	0.200	0.182	0.217	0.243	0.210	0.185	0.173	0.169	0.163
Budget on Public Health (Million Baht)	27,334.5	31,238.3	40,647.0	21,991.0	26,249.8	34,963.5	42,265.6	52,372.7	59,810.5	70,519.8	63,979.9	62,467.4	65,209.9	66,254.3
AIDS budget to health budget (%)	0.02	0.04	0.16	0.83	2.43	3.21	2.70	2.98	3.44	2.82	2.32	2.30	2.24	2.24
GDP <sup>3</sup>			2,184,000	2,507,000	2,831,000	3,170,000	3,634,000	4,186,000	4,608,000	4,727,000	4,636,000	4,688,000	5,137,000	5,522,000
AIDS budget to GDP(%)			0.003	0.007	0.022	0.035	0.031	0.037	0.044	0.042	0.032	0.030	0.028	0.027
Foreign aid budget	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Source: 1 and 2 from Bureau of Budget.  
3 National Income, NESD**

**Table B2: Health, Education and Social Welfare Indicators in Thailand**

HEALTH				
1. life expectancy at birth	1985	1990	1995	2000
2. infant mortality rate	N/A	69	69	69
3. under 5 mortality rate	N/A	28	27	26
4. % infants with low birth weight (less than 2,500 grams)	N/A	33	32	30
5. % children under 5 suffering from moderate-severe wasting (below -2 stand. deviations for height of reference population)	N/A	13	6	6
6. DPT3 immunization coverage (proportion of one-year-old children immunized against diphtheria, pertussis, and tetanus with 3 doses)	10	6x	6x	6x
7. measles immunization coverage	N/A	90	94	97
8. ORT use (percentage of all cases of diarrhea in children under 5 treated with oral rehydration salts and/or recommended home solution)	N/A	79	90	94
9. proportion of women 15-49 who attended at least once during pregnancy by skilled (doctor, nurse, midwife) health personnel	42.2	43	95	95
10. proportion of births attended by skilled (doctor, nurse, midwife) health personnel	N/A	76	93	90
	71	71	71x	71x
EDUCATION				
1. Primary school female gross enrolment ratios (ratios of total enrolments, regardless of age, over the population of the age group that officially corresponds to primary education)	1985	1990	1995	2000
2. Primary school male gross enrolment ratios	N/A	88	97	90
3. Secondary school female gross enrolment ratios	N/A	89	98	93
4. Secondary school male gross enrolment ratios	N/A	28	37	37x
5. Pupil- teacher ratio (Pre-Primary/Primary/Secondary)	N/A	32	38	38x
	20/19/18	23/22/17	N/A	N/A
SOCIAL WELFARE				
1. Maternal or double orphan children (as % of children less than 15 years old)	1990	1995	2000	2005
2. Maternal or double orphan children from AIDS (as % of maternal or double orphan children)	N/A	0.9	1.1	1.4
	N/A	0.1	7.1	25.9

Sources: Ministry of Public Health, Thailand.  
The State of the World's Children 2001, UNICEF

**Table B3: AIDS Cases Classified by Age Cohort and Sex : September 1984 - 30 September 1999.**

Age cohort	1984-1996				1997				1998				1999				Total			
	M.	F.	Total	%	M.	F.	Total	%	M.	F.	Total	%	M.	F.	Total	%	M.	F.	Total	%
0-4	540	482	1,022	3.78	228	163	391	3.84	168	122	290	3.03	53	37	90	2.66	989	804	1,793	3.57
5-9	47	30	77	0.29	47	37	84	0.82	73	51	124	1.29	26	24	50	1.48	193	142	335	0.67
10-14	5	9	14	0.05	2	4	6	0.06	4	9	13	0.14	0	2	2	0.06	11	24	35	0.07
15-19	249	316	565	2.09	58	92	150	1.47	36	81	117	1.22	13	33	46	1.36	356	522	878	1.75
20-24	2,600	1,399	3,999	14.81	597	620	1217	11.94	575	579	1,154	12.04	160	201	361	10.68	3,932	2,799	6,731	13.42
25-29	6,048	1,504	7,552	27.97	1,995	795	2,790	27.37	1,755	855	2,610	27.23	578	306	884	26.15	10,376	3,460	13,836	27.58
30-34	4,971	950	5,921	21.93	1,926	521	2,447	24.00	1,752	558	2,310	24.10	616	235	851	25.17	9,265	2,264	11,529	22.98
35-39	3,073	519	3,592	13.30	1,135	314	1,449	14.21	1,035	342	1,377	14.37	373	145	518	15.32	5,616	1,320	6,936	13.83
40-44	1,569	320	1,889	7.00	624	193	817	8.01	622	198	820	8.56	199	85	284	8.40	3,014	796	3,810	7.60
45-49	797	124	921	3.41	316	86	402	3.94	246	89	335	3.50	87	42	129	3.82	1,446	341	1,787	3.56
50-54	459	61	520	1.93	132	49	181	1.78	118	50	168	1.75	48	20	68	2.01	757	180	937	1.87
55-59	304	67	371	1.37	80	26	106	1.04	87	28	115	1.20	31	14	45	1.33	502	135	637	1.27
60 +	480	51	531	1.97	124	28	152	1.49	114	36	150	1.57	40	13	53	1.57	758	128	886	1.77
Not known	24	4	28	0.10	1	1	2	0.02	1	0	1	0.01	0	0	0	0.00	26	5	31	0.06
Total	21,166	5,836	27,002	100.00	7,265	2,929	10,194	100.00	6,586	2,998	9,584	100.00	2,224	1,157	3,381	100.00	37,241	12,920	50,161	100.00

Source: Division of Epidemiology, Ministry of Public Health.

**Table B4: Symptomatic HIV Cases Classified by Age and Sex: September 1984 - 31 October 2000**

Age Cohort	1984-2000				1998				1999				2000				Total			
	M.	F.	Total	%	M.	F.	Total	%	M.	F.	Total	%	M.	F.	Total	%	M.	F.	Total	%
0-4	2,417	2,119	4,536	4.79	485	398	883	3.34	369	309	678	3.04	160	154	314	2.45	3,431	2,980	6,411	4.10
5-9	241	149	390	0.41	118	110	228	0.86	123	114	237	1.06	97	84	181	1.41	579	457	1,036	0.66
10-14	20	15	35	0.04	3	9	12	0.05	6	7	13	0.06	3	8	11	0.09	32	39	71	0.05
15-19	486	593	1,079	1.14	91	105	196	0.74	73	86	159	0.71	28	43	71	0.55	678	827	1,505	0.96
20-24	8,055	3,915	11,970	12.63	1,458	1,260	2,718	10.29	1,025	1,052	2,077	9.33	446	548	994	7.74	10,984	6,775	17,759	11.36
25-29	22,458	4,776	27,234	28.73	5,373	2,014	7,387	27.97	4,047	1,907	5,954	26.74	2,080	1,224	3,304	25.73	33,958	9,921	43,879	28.07
30-34	18,792	3,170	21,962	23.17	5,545	1,318	6,863	25.99	4,418	1,356	5,774	25.93	2,618	893	3,511	27.35	31,373	6,737	38,110	24.38
35-39	11,523	1,764	13,287	14.02	3,205	748	3,953	14.97	2,736	801	3,537	15.88	1,620	507	2,127	16.57	19,084	3,820	22,904	14.65
40-44	5,806	937	6,743	7.11	1,711	455	2,166	8.20	1,487	460	1,947	8.74	921	275	1,196	9.32	9,925	2,127	12,052	7.71
45-49	2,882	484	3,366	3.55	761	204	965	3.65	721	203	924	4.15	446	135	581	4.53	4,810	1,026	5,836	3.73
50-54	1,437	212	1,649	1.74	378	102	480	1.82	347	121	468	2.10	193	74	267	2.08	2,355	509	2,864	1.83
55-59	988	165	1,153	1.22	183	55	238	0.90	178	58	236	1.06	95	32	127	0.99	1,444	310	1,754	1.12
60 +	1,166	161	1,327	1.40	273	45	318	1.20	196	66	262	1.18	124	30	154	1.20	1,759	302	2,061	1.32
Not known	52	10	62	0.07	2	1	3	0.01	1	0	1	0.00	0	1	1	0.01	55	12	67	0.04
Total	76,323	18,470	94,793	100.00	19,586	6,824	26,410	100.00	15,727	6,540	22,267	100.00	8,831	4,008	12,839	100.00	120,467	35,842	156,309	100.00

Source: Division of Epidemiology, Ministry of Public Health.

**Table B5: Number of In and Out-of-School HIV/AIDS Affected Children 3-15 Years of Age in 1999-2000**

Province	1999			2000		
	<i>In School</i>	<i>Out-of-School</i>	<i>Total</i>	<i>In School</i>	<i>Out-of-School</i>	<i>Total</i>
<b>Thailand</b>	<b>7,178</b>	<b>4,406</b>	<b>11,584</b>	<b>10,049</b>	<b>8,935</b>	<b>18,984</b>
Bangkok	0	0	0	0	0	0
Kanjanaburi	13	604	617	45	664	709
Kalasin	31	0	31	92	29	121
Khon Kaen	47	12	59	102	10	112
Chiang Rai	2,097	263	2,360	2,656	1,835	4,491
Chiang Mai	1,807	692	2,499	1,755	699	2,454
Nakhon Ratchasima	43	1	44	100	1	101
Nan	105	104	209	155	182	337
Phayao	966	1,924	2,890	1,228	1,094	2,322
Phrae	91	1	92	141	1,192	1,333
Maharakham	29	39	68	56	225	281
Mae Hong Sorn	55	5	60	196	19	215
Roi Ed	114	7	121	294	1,752	2,046
Rayong	21	0	21	197	0	197
Lampang	570	386	956	561	229	790
Lampoon	327	5	332	602	159	761
Srisaket	106	0	106	201	266	467
Surin	93	3	96	225	184	409
Udonthani	97	19	116	120	155	275
Ubon Ratchathani	48	43	91	104	2	106
Sakaew	10	0	10	66	139	205
Total for the Remaining Provinces	508	298	806	1,153	99	1,252

Source: Educational Information Data, Ministry of Education, various years.

**Table B6: Direct and Indirect Costs of an HIV/AIDS-related Death and a Death due to Other Causes (US\$)**

Cost	HIV/AIDS-related death	Non-HIV/AIDS-related death
<b>Direct Cost</b>		
Medical treatment	973	883
Travel expenses	63	53
Funeral expenses	1,537	1,874
<i>Total Direct Cost</i>	2,574	2,810
<b>Indirect Cost</b>		
Income loss of care provider	102	78
Income loss of the deceased (regular job; per annum)	1,880	1,788
Income loss of the deceased (regular + supplementary job; per annum)	2,902	2,234
Income foregone by the deceased (regular job, per annum)	28,592	22,020
Income foregone by the deceased ( regular + supplementary job; per annum)	47,550	28,241
<i>Total Indirect Cost</i>		
Without supplementary job	28,694	22,098
With supplementary job	47,652	28,319
<b>Total Direct and Indirect Cost of Death</b>		
Without supplementary job	31,286	24,908
With supplementary job	50,226	31,102

Source: Pitayanon, S. ,S. Kongsin and W.S. Janjaroen, "*The Economic Impact of HIV/AIDS Mortality on Household in Thailand*", in *The Economics of HIV and AIDS: The Case of South and South East Asia: 1977*, Oxford University Press.