



## References

- Acheson, D. (1989). "Clinical Update" in AIDS: A Global Perspective, Kapila M.(ed.), Health Education Authority, Hamilton House, Mabledon Place, London, 1989.
- Bloome, D.E. (1994). "Handout Distributed in the Health Economics Forum", Center for Health Economics, Chulalongkorn University.
- Broyles, R.W. (1982). Hospital Accounting Practice. Volume II, Managerial Accounting, An Aspen Publication, Aspen Systems Corporation, Rockville, Maryland, London.
- Chin, J. (1993). "Estimation/Projection of HIV/AIDS in South-East Asia", Assignment Report: SEA/AIDS/54, 23 March 1993.
- Chin, J. (1995). A Beginner's Guide for Understanding and Using EPIMODEL: Version 2.1, September 1995.
- Creese, A. and Parker, D. (1994). Cost Analysis in Primary Health Care: A Training Manual for the Program Managers. WHO, Geneva.
- Department of Health, Myanmar, HIV/AIDS Prevention and Control Program. Sentinel Surveillance of HIV Infection: Manual for Implementers. (1992).
- Department of Health, Myanmar, HIV/AIDS Prevention and Control Program. Annual Report (1993).
- Department of Health, Myanmar (1995). "Country Health Profile, Myanmar".

- Drummond, M.F. et al. (1982). Methods for the Economic Evaluation of Health Care Programmes. Oxford University Press, Walton Street, Oxford OX2 6DP.
- Hanson, K. (1992), The Economic Impact of AIDS: An Assessment of the Available Evidence. London School of Hygiene and Tropical Medicine.
- Johnson, A.M. (1986). “Economic Aspects of Care and Prevention of HIV Infection and AIDS”, in Statistical Analysis and Mathematical Modeling of AIDS. Jager, J.C. and Ruitenberg, E.J. (ed.), Oxford University Press, 1988, pp. 150-159.
- Kaewsonthi, S. et al. (1983). Cost and Performance Appraisal of Malaria Surveillance and Monitoring Measures, Final Report, May 1983.
- Kamolratanakul, P. (1995). Clinical Economics (Summary), Application and Decision Analysis, November 10, 1995.
- Kongsin, S. et al. (1992). “Hospital Care Cost Analysis of Patients with AIDS and AIDS Related Complex”; Ministry of Public Health Hospitals”, AIDS Division, MOPH.
- Ministry of National Planning and Economic Development (1995). Review of the Financial, Economic and Social Conditions, Union of Myanmar. 1994-95.
- Ngamsiriudom, B. and Satiensakpong, T. (1994). Unit Cost and Cost Recovery of Maternal and Child Hospital. Chiang Mai. Health Systems Institute, Ministry of Public Health, Thailand.
- NESDB (1994). “Projections for HIV/AIDS in Thailand: 1987-2020”, Human Resources Planning Division, NESDB, November, 1994.
- The Panos Institute (1989). AIDS and the Third World. Philadelphia, New Society Publishers.

- The Panos Institute (1992). The Hidden Cost of AIDS: The Challenge of HIV to Development, London.
- Puntularp, M. and Paul, S.R. (1995). "Predicting the Economic Impact of AIDS in Thailand: A difficult Sum to Calculate", AIDS Analysis Asia, 1(6), November/December 1995.
- Prommool, V. et al. (1995). "Forecasting the Medical Care Cost of AIDS in Bamrasnaradura Hospital", Journal of Health Science, 4:2, April-June 1995.
- Reynolds, J. (1993). Cost Analysis, Aga Khan Foundation USA.
- Tangcharoensathien, V. (1995). "Costing Methodology" Handout CU, November 8, 1995.
- UNDP (1992). UNDP Report, "AIDS and Asia: A Development Crisis."
- User's Manual, SIMULAIDS (8 February 1993).
- Viravaidya, M., Obremsky, S.A. and Myers, C. (1991). "Economic Impact of AIDS on Thailand" in Economic Implications of AIDS in Asia, UNDP (1993).
- WHO, Programme for Control of Diarrhoeal Diseases (1988). Estimating Costs for Cost - Effectiveness Analysis: Guidelines for Managers of Diarrhoeal Diseases Control Programmes.
- WHO, Global Program on AIDS (1991). Progress Report.
- WHO, Global Program on AIDS (1993). "The Costs of HIV/AIDS Prevention Strategies in Developing Countries", GPA/DIR/93.2.
- WHO (1994). "Modelling the Costs of HIV Prevention: A Resource Requirement for Developing Countries", WHO/GPA/DIR/95.4, Report to the Global Programme on AIDS, WHO, Geneva.

WHO, Regional Office for South-East Asia (SEARO) "The HIV/AIDS Situation in the World," 15 May 1995.

Whiteside, A. and FitzSimons, D. (1992). The AIDS Epidemic: Economic, Political and Security Implications, Research Institute for the Study of Conflict and Terrorism, May 1992.

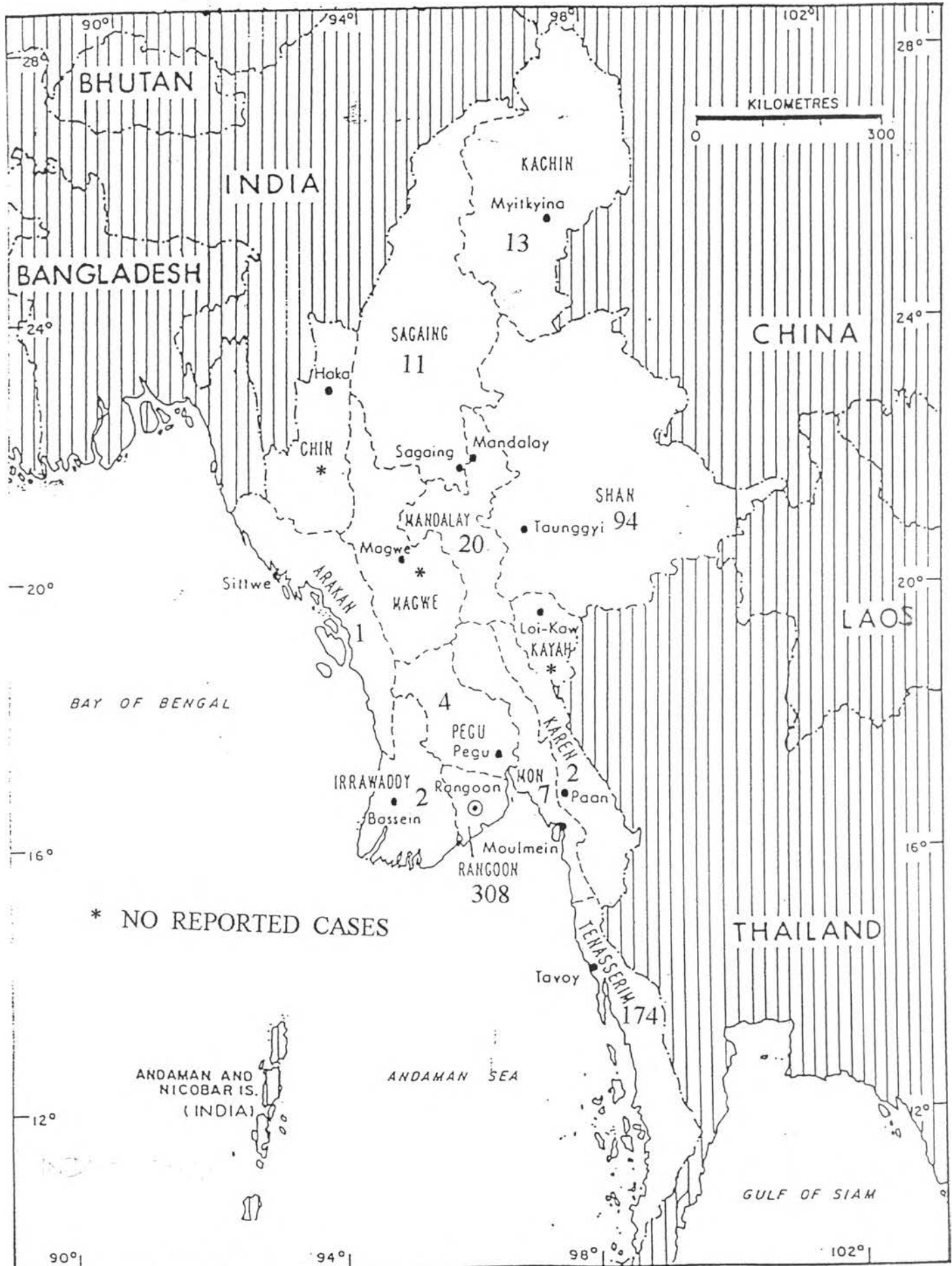
World Bank (1993). World Development Report.

World Bank (1996). "HIV/AIDS in Asia", in Electronic Newsletter on Population, Health and Nutrition, Human Development Department, World Bank, PHNFLASH Issue 102, January 26 1996.

## **Appendices**

# Appendix 1

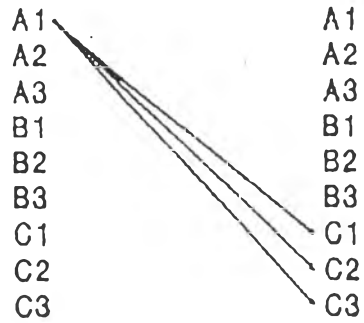
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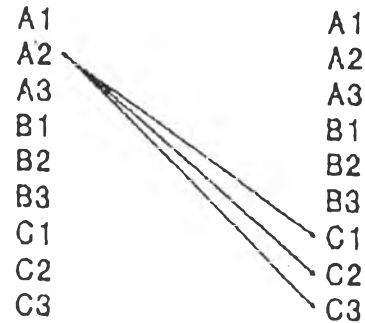
\* NO REPORTED CASES

The boundaries shown on this map do not imply official endorsement or acceptance by the World Health Organization

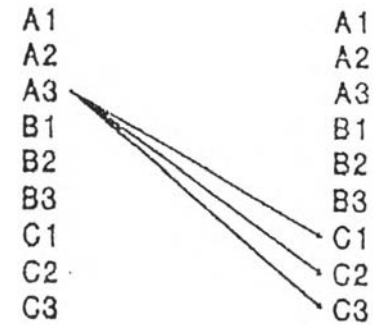
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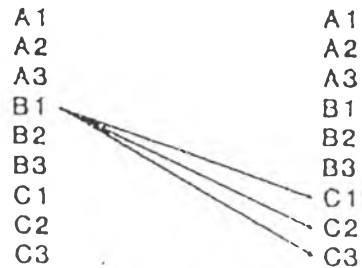
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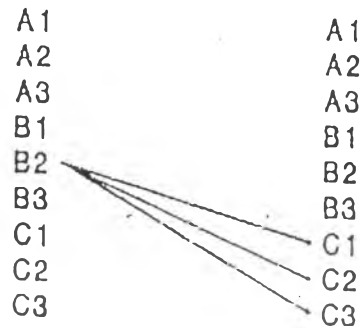
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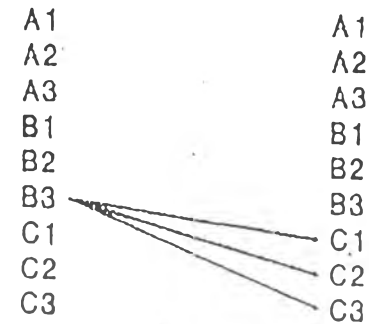
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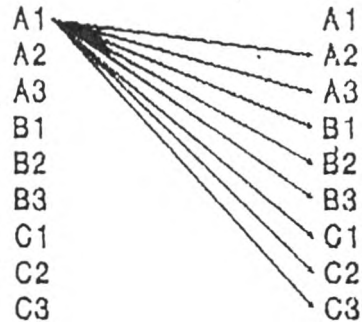
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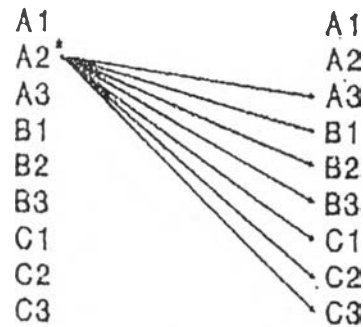
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B3 ALLOCATION



STEP DOWN METHOD  
1st STEP

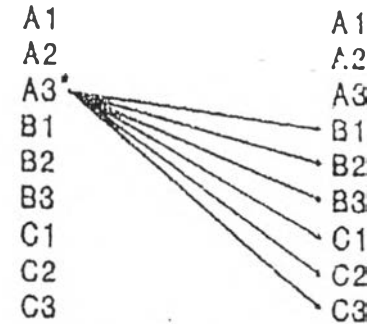


STEP DOWN METHOD  
2nd STEP



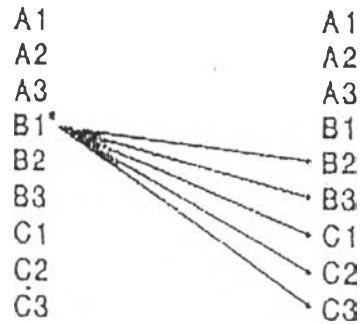
$$( A2^* = A2 + A1A2 )$$

STEP-DOWN METHOD  
3rd STEP



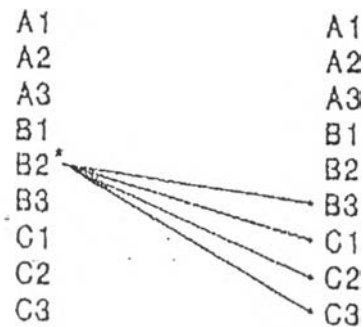
$$( A3^* = A3 + A1A3 + A2^*A3 )$$

STEP-DOWN METHOD  
4th STEP



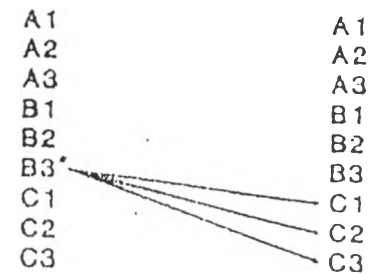
$$( B1^* = B1 + A1B1 + A2^*B1 + A3^*B1 )$$

STEP-DOWN METHOD  
5th STEP



$$( B2^* = B2 + A1B2 + A2^*B2 + A3^*B2 + B1^*B2 )$$

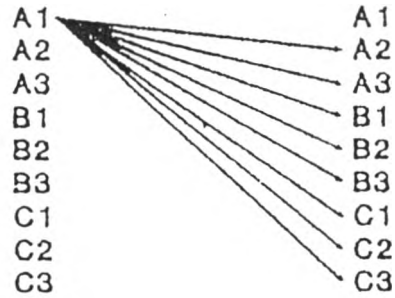
STEP-DOWN METHOD  
6th STEP



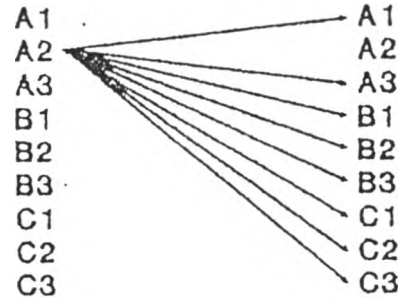
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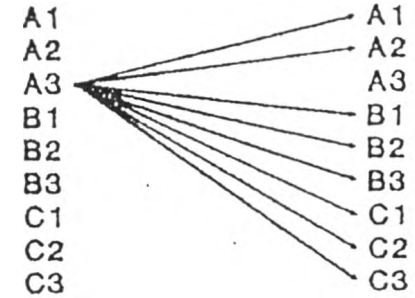
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FIRST DISTRIBUTION



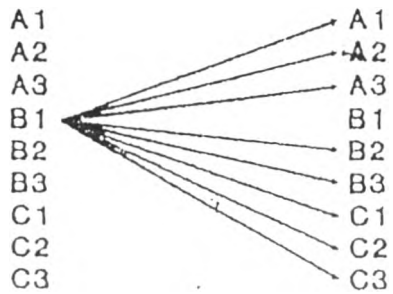
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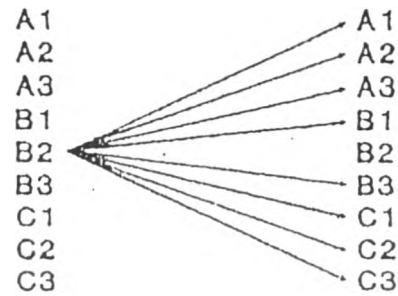
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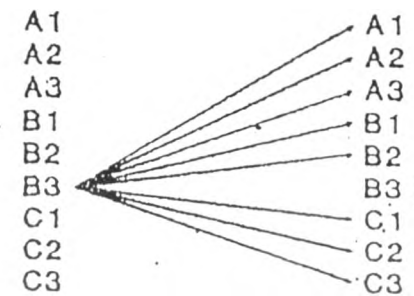
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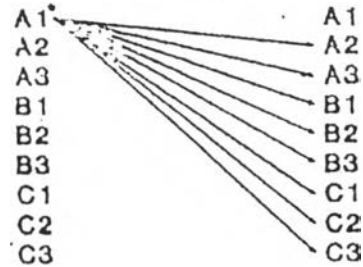
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DOUBLE DISTRIBUTION METHOD  
FIRST DISTRIBUTION

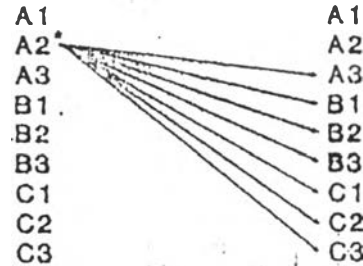


DOUBLE DISTRIBUTION METHOD  
1st STEP OF 2nd DISTRIBUTION



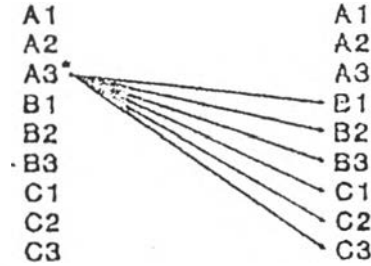
$$( A1^* = A2A1 + A3A1 + B1A1 + B2A1 + B3A1 )$$

DOUBLE DISTRIBUTION METHOD  
2nd STEP OF 2nd DISTRIBUTION



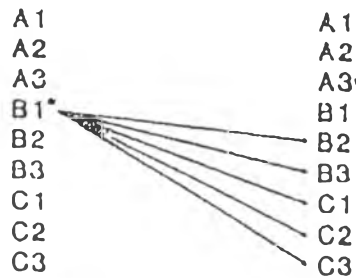
$$( A2^* = A1A2 + A3A2 + B1A2 + B2A2 + B3A2 + A1^*A2 )$$

DOUBLE DISTRIBUTION METHOD  
3rd STEP OF 2nd DISTRIBUTION



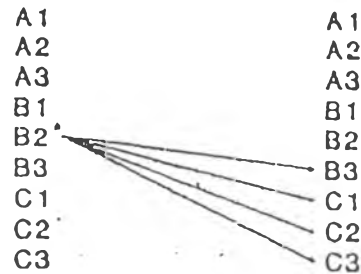
$$( A3^* = A1A3 + A2A3 + B1A3 + B2A3 + B3A3 + A1^*A3 + A2^*A3 )$$

DOUBLE DISTRIBUTION METHOD  
4th STEP OF 2nd DISTRIBUTION



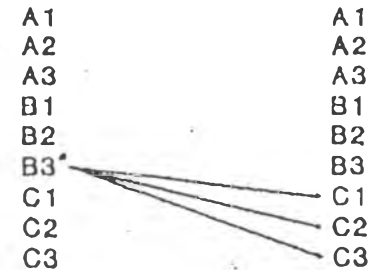
$$( B1^* = A1B1 + A2B1 + A3B1 + B2B1 + B3B1 + A1^*B1 + A2^*B1 + A3^*B1 )$$

DOUBLE DISTRIBUTION METHOD  
5th STEP OF 2nd DISTRIBUTION

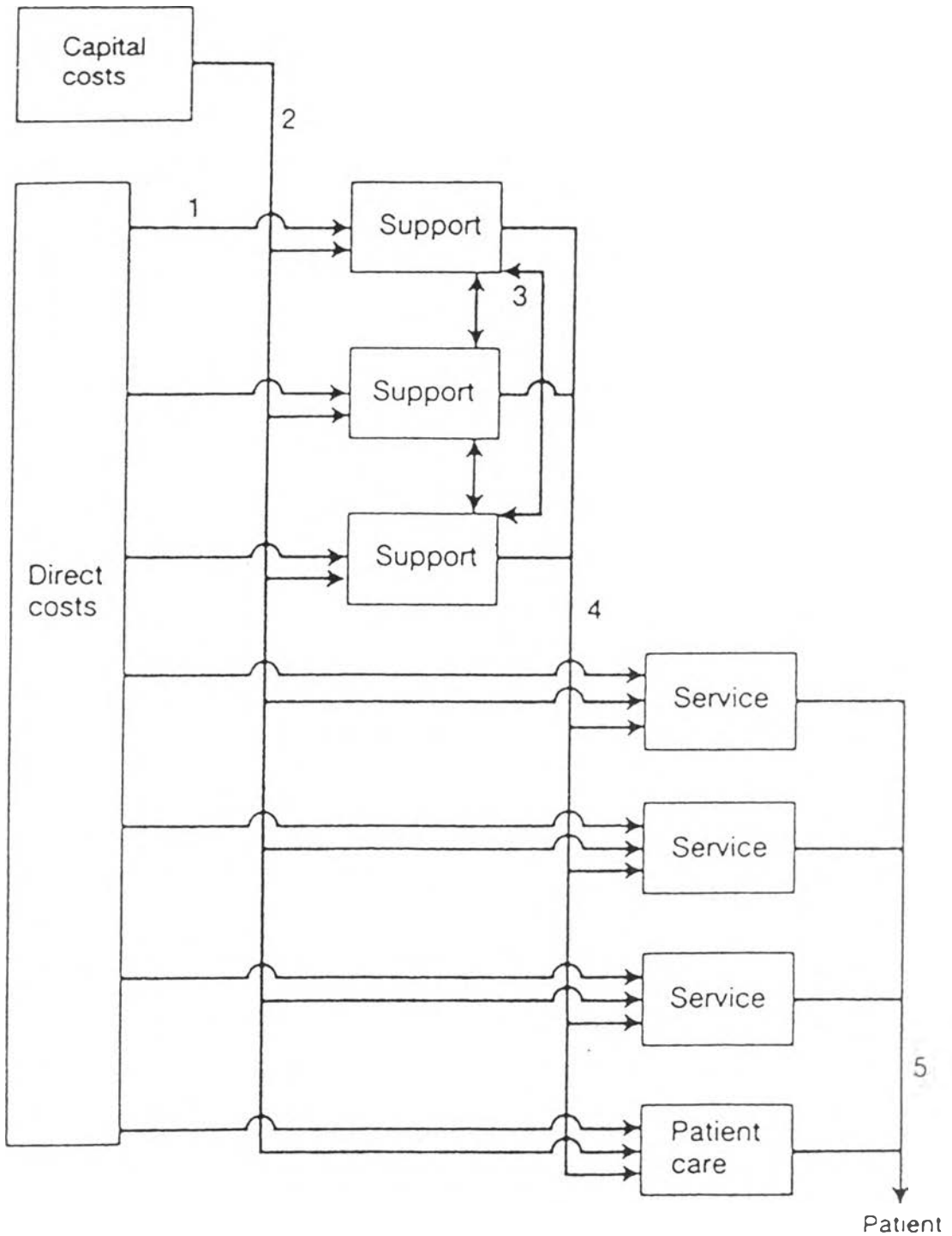


$$( B2^* = A1B2 + A2B2 + A3B2 + B1B2 + B3B2 + A1^*B2 + A2^*B2 + A3^*B2 + B1^*B2 )$$

DOUBLE DISTRIBUTION METHOD  
6th STEP OF 2nd DISTRIBUTION



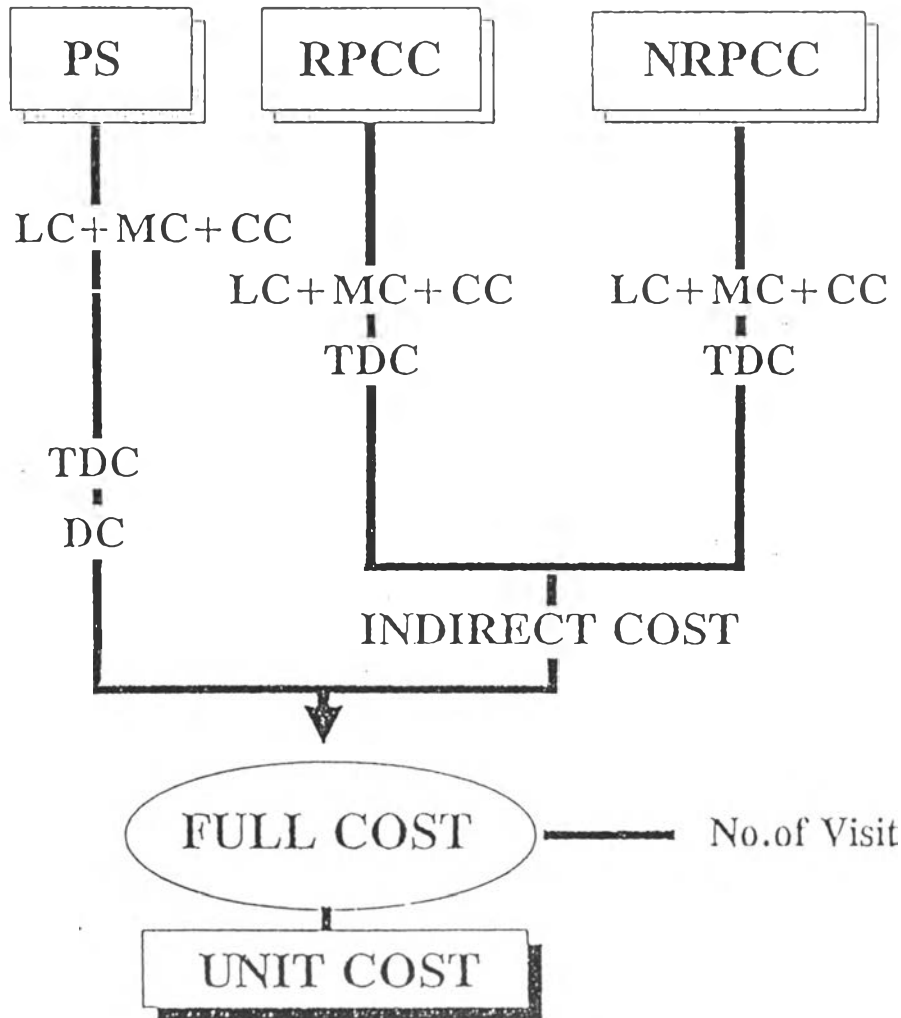
$$( B3^* = A1B3 + A2B3 + A3B3 + B1B3 + B2B3 + A1^*B3 + A2^*B3 + A3^*B3 + B1^*B3 + B2^*B3 )$$



(1) Direct costs assigned directly to cost centres. (2) Capital costs assigned to cost centres. (3) Support cost centres simultaneously allocated to each other. (4) Support cost centres allocated to other cost centres. (5) Costs assigned to each patient based on services used.

Source : Drummond, 1982

# UNIT COST CALCULATION



1. COST CENTRE IDENTIFICATION & GROUPING

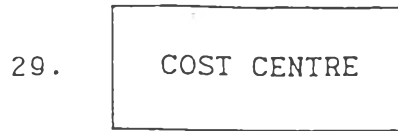
2. DIRECT COST DETERMINATION

3. ALLOCATION CRITERIA DETERMINATION

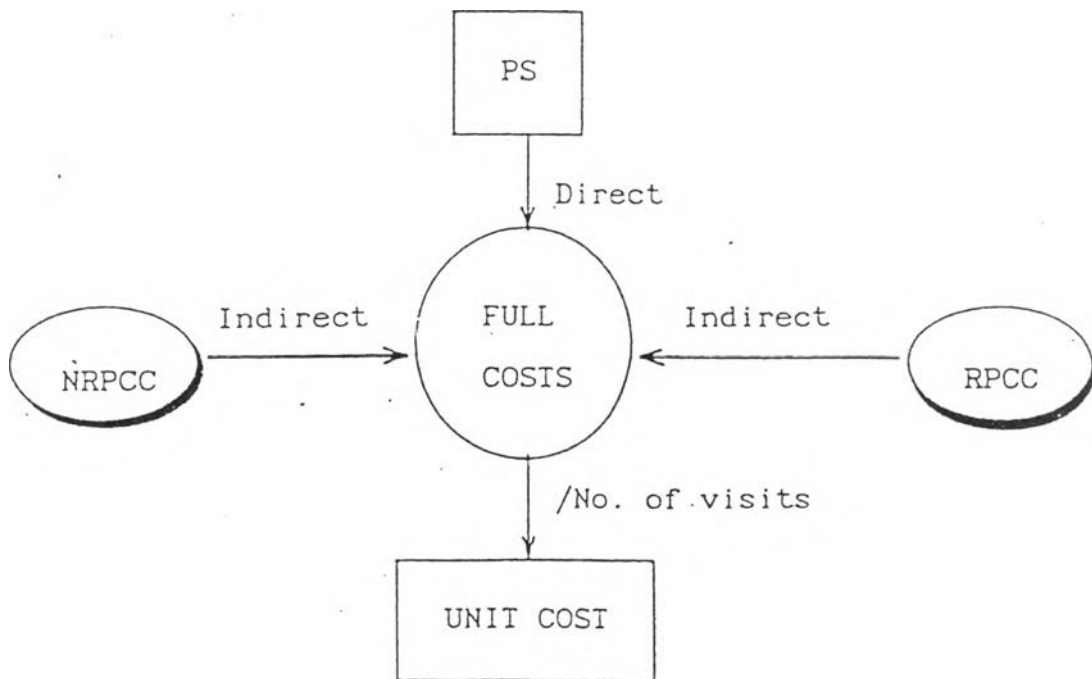
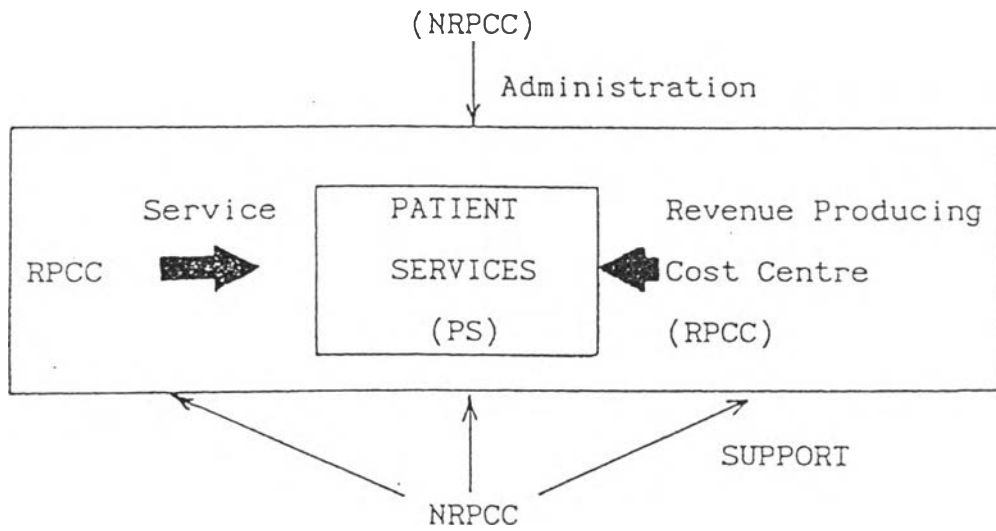
4. FULL COST DETERMINATION

5. UNIT COST CALCULATION

### Appendix 3 ( Continued )



Non-Revenue Producing Cost Centre



Source : Kamolratanakul, 1995

# Annualization Factors

	DISCOUNT RATE																			
	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
1	0.990	0.980	0.971	0.962	0.952	0.943	0.935	0.926	0.917	0.909	0.901	0.893	0.885	0.877	0.870	0.862	0.855	0.847	0.840	0.833
2	1.970	1.942	1.913	1.886	1.859	1.832	1.808	1.783	1.759	1.736	1.713	1.690	1.668	1.647	1.626	1.605	1.585	1.566	1.547	1.528
3	2.941	2.884	2.829	2.775	2.723	2.673	2.624	2.577	2.531	2.487	2.444	2.402	2.361	2.322	2.283	2.246	2.210	2.174	2.140	2.106
4	3.902	3.808	3.717	3.630	3.546	3.465	3.387	3.312	3.240	3.170	3.102	3.037	2.974	2.914	2.855	2.798	2.743	2.690	2.639	2.589
5	4.853	4.713	4.580	4.452	4.325	4.212	4.100	3.993	3.890	3.791	3.696	3.605	3.517	3.433	3.352	3.274	3.199	3.127	3.058	2.991
6	5.795	5.601	5.417	5.242	5.076	4.917	4.767	4.623	4.486	4.355	4.231	4.111	3.998	3.889	3.784	3.685	3.589	3.498	3.410	3.326
7	6.728	6.472	6.230	6.002	5.786	5.582	5.389	5.206	5.033	4.868	4.712	4.564	4.423	4.288	4.160	4.039	3.922	3.812	3.706	3.605
8	7.652	7.325	7.020	6.733	6.463	6.210	5.971	5.747	5.535	5.335	5.146	4.968	4.799	4.639	4.487	4.344	4.207	4.078	3.954	3.837
9	8.566	8.162	7.776	7.435	7.108	6.802	6.515	6.247	5.995	5.759	5.537	5.328	5.132	4.946	4.772	4.607	4.451	4.303	4.163	4.031
10	9.471	8.983	8.530	8.111	7.722	7.360	7.024	6.710	6.418	6.145	5.889	5.650	5.426	5.215	5.019	4.833	4.659	4.494	4.339	4.192
11	10.368	9.787	9.253	8.760	8.306	7.887	7.499	7.139	6.805	6.495	6.207	5.938	5.687	5.453	5.234	5.029	4.836	4.656	4.486	4.327
12	11.255	10.575	9.954	9.385	8.863	8.384	7.943	7.536	7.161	6.814	6.492	6.194	5.918	5.660	5.421	5.197	4.988	4.793	4.611	4.439
13	12.134	11.348	10.635	9.986	9.394	8.853	8.358	7.904	7.487	7.103	6.750	6.424	6.122	5.842	5.583	5.342	5.118	4.910	4.715	4.533
14	13.004	12.106	11.296	10.563	9.899	9.295	8.745	8.244	7.786	7.367	6.982	6.628	6.302	6.002	5.724	5.468	5.229	5.008	4.802	4.611
15	13.865	12.849	11.938	11.118	10.380	9.712	9.108	8.559	8.061	7.605	7.191	6.811	6.462	6.142	5.847	5.575	5.324	5.092	4.876	4.675
16	14.718	13.579	12.561	11.652	10.838	10.106	9.447	8.851	8.313	7.824	7.379	6.974	6.604	6.255	5.954	5.682	5.405	5.162	4.938	4.730
17	15.562	14.292	13.166	12.166	11.274	10.477	9.763	9.122	8.544	8.022	7.549	7.120	6.729	6.373	6.047	5.749	5.475	5.222	4.990	4.775
18	16.398	14.992	13.754	12.659	11.690	10.828	10.059	9.372	8.756	8.201	7.702	7.250	6.840	6.467	6.128	5.818	5.534	5.273	5.033	4.812
19	17.226	15.678	14.324	13.134	12.085	11.158	10.336	9.604	8.950	8.365	7.839	7.366	6.938	6.550	6.198	5.877	5.584	5.316	5.070	4.843
20	18.046	16.351	14.877	13.590	12.462	11.470	10.594	9.818	9.129	8.514	7.963	7.469	7.025	6.623	6.259	5.929	5.628	5.353	5.101	4.870
21	18.857	17.011	15.415	14.029	12.821	11.764	10.836	10.017	9.292	8.649	8.075	7.562	7.102	6.687	6.312	5.973	5.665	5.384	5.127	4.891
22	19.660	17.658	15.937	14.451	13.163	12.042	11.061	10.201	9.442	8.772	8.176	7.645	7.170	6.743	6.359	6.011	5.695	5.410	5.149	4.909
23	20.456	18.292	16.444	14.857	13.489	12.303	11.272	10.371	9.580	8.883	8.266	7.718	7.230	6.792	6.399	6.044	5.723	5.432	5.167	4.925
24	21.243	18.914	16.936	15.247	13.799	12.550	11.469	10.529	9.707	8.985	8.348	7.784	7.283	6.835	6.434	6.073	5.746	5.451	5.182	4.937
25	22.023	19.523	17.413	15.622	14.094	12.783	11.654	10.675	9.823	9.077	8.422	7.843	7.330	6.873	6.464	6.097	5.766	5.467	5.195	4.948
26	22.795	20.121	17.877	15.983	14.375	13.003	11.826	10.810	9.929	9.161	8.488	7.896	7.372	6.906	6.491	6.118	5.783	5.480	5.206	4.956
27	23.560	20.707	18.327	16.330	14.643	13.211	11.987	10.935	10.027	9.237	8.548	7.943	7.409	6.935	6.514	6.136	5.798	5.492	5.215	4.964
28	24.316	21.281	18.764	16.663	14.898	13.406	12.137	11.051	10.116	9.307	8.602	7.984	7.441	6.961	6.534	6.152	5.810	5.502	5.223	4.970
29	25.066	21.844	19.188	16.984	15.141	13.591	12.273	11.153	10.198	9.370	8.650	8.022	7.470	6.983	6.551	6.166	5.820	5.510	5.229	4.975
30	25.808	22.396	19.600	17.292	15.372	13.765	12.409	11.258	10.274	9.427	8.694	8.055	7.496	7.003	6.566	6.177	5.829	5.517	5.235	4.979

## Appendix 5

### Progression Rate 6 years (Without Any Other Rates)

Year	HIV New	HIV Cum	HIV Curr	AIDS New	AIDS Cum	AIDS Curr	DEATH New	DEATH Cum
1989	0	0	0	0	0	0	0	0
1990	236	236	236	0	0	0	0	0
1991	8847	9083	9069	14	14	7	7	7
1992	20914	29997	29419	564	578	282	289	296
1993	34724	64721	61626	2517	3095	1259	1540	1837
1994	47505	112226	103211	5920	9015	2960	4218	6055
1995	57500	169726	150000	10711	19726	5356	8316	14370
1996	63956	233682	197385	16570	36297	8285	13641	28011
1997	66871	300553	241237	23019	59316	11510	19795	47806
1998	66692	367245	278291	29639	88954	14819	26329	74135
1999	64080	431325	306286	36084	125039	18042	32862	106997
2000	59742	491067	323925	42103	167142	21051	39094	146090

### Progression Rate 8 years (Without Any Other Rates)

Year	HIV New	HIV Cum	HIV Curr	AIDS New	AIDS Cum	AIDS Curr	DEATH New	DEATH Cum
1989	0	0	0	0	0	0	0	0
1990	236	236	236	0	0	0	0	0
1991	8847	9083	9069	14	14	7	7	7
1992	20914	29997	29419	564	578	282	289	296
1993	34724	64721	61626	2517	3095	1259	1540	1837
1994	47505	112226	103211	5920	9015	2960	4218	6055
1995	57500	169726	150000	10711	19726	5356	8316	14370
1996	63956	233682	197385	16570	36297	8285	13641	28011
1997	66871	300553	241237	23019	59316	11510	19795	47806
1998	66692	367245	278291	29639	88954	14819	26329	74135

## Appendix 5 ( Continued )

### Progression Rate 10 years (Without Any Other Rates)

Year	HIV New	HIV Cum	HIV Curr	AIDS New	AIDS Cum	AIDS Curr	DEATH New	DEATH Cum
1989	0	0	0	0	0	0	0	0
1990	214	214	214	0	0	0	0	0
1991	8034	8248	8247	1	1	1	1	1
1992	18992	27240	27193	46	47	23	23	24
1993	31532	58772	58417	309	355	154	177	201
1994	43138	101910	100427	1127	1483	564	718	919
1995	52214	154124	150001	2641	4123	1320	1884	2803
1996	58077	212201	203130	4948	9071	2474	3794	6597
1997	60724	272925	255871	7983	17054	3991	6466	13063
1998	60561	333486	304841	11591	28645	5795	9787	22850
1999	58189	391675	347458	15572	44217	7786	13581	36431
2000	54250	445925	381993	19715	63932	9858	17644	54075

### Progression Rate (PR) 12 Years (Without Any Other Rates)

Year	HIV New	HIV Cum	HIV Curr	AIDS New	AIDS Cum	AIDS Curr	DEATH New	DEATH Cum
1989	0	0	0	0	0	0	0	0
1990	213	213	213	0	0	0	0	0
1991	8004	8217	8216	1	1	0	0	0
1992	18921	27138	27101	36	37	18	19	19
1993	31415	58553	58260	255	293	128	146	165
1994	42978	101531	100264	974	1267	487	615	780
1995	52020	153551	149999	2285	3552	1143	1630	2409
1996	57861	211412	203583	4278	7829	2139	3281	5691
1997	60498	271910	257194	6887	14716	3443	5582	11273
1998	60336	332246	307550	9980	24696	4990	8433	19706
1999	57973	390219	352136	13387	38083	6694	11684	31390
2000	54049	444268	389256	16928	55012	8464	15158	46548



Baseline Intervention Scenario

Year	HIV New	HIV Inc	HIV Cum	HIV Curr	HIV Prev	AIDS New	AIDS Cum	AIDS Curr	DEATH New	DEATH Cum
1989	0	0.00%	0	0	0.00%	0	0	0	0	0
1990	214	0.00%	214	214	0.00%	0	0	0	0	0
1991	8034	0.02%	8248	8247	0.02%	1	1	1	1	1
1992	18992	0.05%	27240	27193	0.07%	46	47	23	23	24
1993	31532	0.07%	58772	58417	0.14%	309	355	154	177	201
1994	43138	0.10%	101910	100427	0.23%	1127	1483	564	718	919
1995	52214	0.12%	154124	150001	0.34%	2641	4123	1320	1884	2803
1996	47937	0.11%	202061	192990	0.43%	4948	9071	2474	3794	6597
1997	44516	0.10%	246577	229574	0.50%	7932	17003	3966	6440	13037
1998	41993	0.09%	288570	260310	0.56%	11256	28260	5628	9594	22632
1999	40238	0.09%	328808	286083	0.60%	14466	42725	7233	12861	35492
2000	39188	0.08%	367997	307691	0.64%	17580	60306	8790	16023	51516

Appendix 5 (Continued)

Medium Intervention Scenario

Year	HIV New	HIV Inc	HIV Cum	HIV Curr	HIV Prev	AIDS New	AIDS Cum	AIDS Curr	DEATH New	DEATH Cum
1989	0	0.00%	0	0	0.00%	0	0	0	0	0
1990	214	0.00%	214	214	0.00%	0	0	0	0	0
1991	8034	0.02%	8248	8247	0.02%	1	1	1	1	1
1992	18992	0.05%	27240	27193	0.07%	46	47	23	23	24
1993	31532	0.07%	58772	58417	0.14%	309	355	154	177	201
1994	43138	0.10%	101910	100427	0.23%	1127	1483	564	718	919
1995	52214	0.12%	154124	150001	0.34%	2641	4123	1320	1884	2803
1996	45890	0.10%	200014	190943	0.43%	4948	9071	2474	3794	6597
1997	40650	0.09%	240665	223671	0.49%	7922	16993	3961	6435	13032
1998	36548	0.08%	277212	249033	0.54%	11186	28179	5593	9554	22586
1999	33349	0.07%	310561	268163	0.57%	14219	42398	7109	12702	35288
2000	30931	0.06%	341492	282039	0.59%	17055	59453	8528	15637	50925

High Intervention Scenario

Year	HIV New	HIV Inc	HIV Cum	HIV Curr	HIV Prev	AIDS New	AIDS Cum	AIDS Curr	DEATH New	DEATH Cum
1989	0	0.00%	0	0	0.00%	0	0	0	0	0
1990	214	0.00%	214	214	0.00%	0	0	0	0	0
1991	8034	0.02%	8248	8247	0.02%	1	1	1	1	1
1992	18992	0.05%	27240	27193	0.07%	46	47	23	23	24
1993	31532	0.07%	58772	58417	0.14%	309	355	154	177	201
1994	43138	0.10%	101910	100427	0.23%	1127	1483	564	718	919
1995	52214	0.12%	154124	150001	0.34%	2641	4123	1320	1884	2803
1996	43061	0.10%	197185	188113	0.42%	4948	9071	2474	3794	6597
1997	35244	0.08%	232429	215450	0.47%	7908	16979	3954	6428	13025
1998	28831	0.06%	261260	233193	0.50%	11088	28067	5544	9498	22523
1999	23409	0.05%	284669	242726	0.51%	13875	41942	6938	12482	35005
2000	18746	0.04%	303414	245153	0.51%	16318	58261	8159	15097	50102

Total Provider Cost of HIV/AIDS (High Intervention Scenario)

		1995	1996	1997	1998	1999	2000
Prevention (screening+)	Users	53	43	36	29	24	19
	Units	53	43	36	29	24	19
	Cost	22870k	18861k	15437k	12628k	10253k	8211k
Prevention (screening-)	Users	53	43	36	29	24	19
	Units	53	43	36	29	24	19
	Cost	2350k	1938k	1586k	1298k	1054k	844k
Hospital care (IP)	Users	3	5	8	11	14	17
	Units	4	8	12	17	21	25
	Cost	22387k	41952k	67041k	94004k	117636k	138347k
Hospital care (OP)	Users	3	5	8	11	14	17
	Units	21	40	64	89	111	131
	Cost	3486k	6532k	10438k	14636k	18316k	21541k

Total Provider Cost of HIV/AIDS (Medium Intervention Scenario)

		1995	1996	1997	1998	1999	2000
Prevention (screening+)	Users	53	46	41	37	34	31
	Units	53	46	41	37	34	31
	Cost	22870k	20100k	17805k	16008k	14607k	13548k
Prevention (screening-)	Users	53	46	41	37	34	31
	Units	53	46	41	37	34	31
	Cost	2350k	2065k	1830k	1645k	1501k	1392k
Hospital care (IP)	Users	3	5	8	12	15	17
	Units	4	8	12	17	22	26
	Cost	22387k	41952k	67161k	94832k	120549k	144594k
Hospital care (OP)	Users	3	5	8	12	15	17
	Units	21	40	64	90	114	137
	Cost	3486k	6532k	10457k	14765k	18769k	22513k

Total Provider Cost of HIV/AIDS (Baseline Intervention Scenario)

		1996	1997	1998	1999	2000
Prevention with screening	Users	48	45	42	41	40
	Units	48	45	42	41	40
	Cost	20997k	19498k	18393k	17625k	17165k
Prevention without screening	Users	48	45	42	41	40
	Units	48	45	42	41	40
	Cost	2158k	2004k	1890k	1811k	1764k
Hospital care (IP)	Users	5	8	12	15	18
	Units	8	12	17	22	27
	Cost	41952k	67248k	95430k	122640k	149047k
Hospital care (OP)	Users	5	8	12	15	18
	Units	40	64	90	114	141
	Cost	6532k	10471k	14858k	19095k	23207k

## Medical Care Cost of HIV/AIDS In-patients at IDH (1994-95)

Number	age	sex	adm	days	RNH	RIFAM	ETB	PZA	Laab	Spiro	RCL	FA	Bz	B1	Caron	Amino	Cavit	Tetra	CRS	FL	Strep	Quinine	Lincochl	Adel	Keto
1	19	F	1	31	93	48	124	93	31	93	45	62	62	62											
2	45	M	2	38	108	54	108	108		108		72	72		72	72	72	24	10	5					
3	38	M	1	112			338	338	50			224	224				224				30	60	15	30	
4	27	M	2	5	15		20	15				10	10	10											2
5	11	M	1	60								120	120	120							10				3
6	50	M	1	15					5	10		30	30				40				5				
7	18	M	2	18	54	27	72	54				38	38								2				7
8	29	M	1	18	54	27	72	54				28	28	28											5
9	27	M	2	9	27		27					21	18												
10	27	M	3	32	98			98					84												
11	27	M	1	15	45	22								30									45		3
12	32	M	1	11	33	18																			
13	30	M	1	2	3	8	8							4											
14	24	M	1	10	30	15	40	30				0	20	20			20								5
15	39	M	1	43	43	129	64	129	129				86	86											
16	35	M	1	15	45	22	45	45				30					30	30					42		
17	38	M	1	17	51	25	51	51													2				3
18	32	M	1	18										32											
19	27	M	1	9	27	12	27	27						18			8								
20	23	F	1	20								40	40												3
21	40	M	1	19	57	28	57	57						38											
22	35	M	1	15	45	22	45	45				30	30				30								
23	40	M	1	9	12	6	12	12				18	18	18			18				2				
24	27	M	1	13	39	39	52	39				26	26				26								
25	39	M	1	11	33	33	44	33				22	22				22				1				3
26	31	M	1	25	75	75	100	75				50	50				50								
27	26	M	1	26	87	87	118	87				58	58			21	58								5
28	31	M	1	18	54	54	72	54				38	38				38								
29	38	M	1	19	57	57	78	57	12			38	38				38								
30	32	M	2	11	33	33	44	33				22	22				22								3
31	31	M	1	12	38	38	48	38				24	24				24								
32	31	M	1	25	75	75	100	75				50	50				50				2				
33	29	M	2	14								28	28								6				
34	29	M	1	18	54	54	72	54				38	38				38								10
35	41	F	2	30	180	180						120	120				120								10
36	41	F	1	13	39	39	52	39				28	28				28				5		13		
37	20	F	1	10								20	20				20	32	4						
38	29	M	1	22	66	66	88	66				44	44				44								
39	37	M	1	18	54	54	72	54				38	38				38				4	2			5
40	38	M	1	14	52	52	58	52	24			28	28				28				5				10
41	44	M	1	14	42	42	56					28	28				28					14			
42	35	M	1	27	30	30	30	30				54	54				54	28					9		10
43	35	M	2	9	27	27	36	27				18	18				18								
44	17	F	1	20								20	20				20				5				
45	38	M	1	11	33	33	44	33				22	22				22								5
46	38	M	2	8	18	18	24	18				12	12				12				5				
47	34	M	1	18	54	54	72	54	10			30	38	38			38								
48	34	M	2	15	45	45	60	45	7			21	30	30			30								
49	34	M	3	15	21	21	60	45	15			45	30	30			30								
50	34	M	4	18	54	54			10			30	38	38			38								
51	34	M	5	12	38				10			30	24	24			24								
52	32	M	1	4	12	12						8	8				8	10	6		4				
53	32	M	2	10	30	30	40	30				20	20				20								
54	32	M	3	4	12	12	16	12				8	8				8				4				
55	32	M	4	4								8	8				8	10	6						
56	32	M	5	4	90	90		90				82	82				82				30				20
57	32	M	6	3								8	8								4				
58	32	M	7	4								8	8								5				
59	32	M	8	4								8	8								10				
60	32	M	9	4								8	8								5				
61	32	M	10	4								8	8								10				
62	32	M	11	4								8	8								10				
63	32	M	12	4								8	8								10				
64	32	M	13	4								8	8								10				
65	32	M	14	4								8	8								10				
66	32	M	15	4								8	8								10				
67	32	M	16	4								8	8								10				
68	32	M	17	4								8	8								10				
69	32	M	18	4								8	8								10				
70	32	M	19	4								8	8								10				
71	32	M	20	4								8	8								10				
72	32	M	21	4								8	8								10				
73	32	M	22	4								8	8								10				
74	32	M	23	4								8	8								10				
75	32	M	24	4								8	8								10				
76	32	M	25	4								8	8								10				
77	32	M	26	4								8	8								10				
78	32	M	27	4								8	8								10				
79	32	M	28	4								8	8								10				
80	32	M	29	4								8	8								10				
81	32	M	30	4								8	8								10				
82	32	M	31	4								8	8								10				
83	32	M	32	4								8	8								10				
84	32	M	33	4								8	8								10				
85	32	M	34	4								8	8								10				
86	32	M	35	4								8	8								10				
87	32	M	36	4								8	8								10				
88	32	M	37	4								8	8								10		</		













## CURRICULUM VITAE

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- (a) Matriculation (1968)
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- 1977 to 1981 : General Practitioner. and Medical Officer in  
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  - 1981 to 1982 : Medical Officer, Yangon General Hospital
  - 1982 to 1988 : Medical Officer, Hospital for Drug Dependents,  
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  - 1988 to 1991 : Township Medical Officer, Sittwe, Rakhine State
  - 1991 to 1993 : Medical Officer, Department of Health
  - 1993 to 1994 : Medical Officer, Ministry of Health
  - 1994 to (at present) : Deputy Assistant Director, Ministry of Health
8. Thesis Done :
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9. Paper Published :
- A Study of Effectiveness of Conversion of Bucket Latrine to Sanitary Latrine in Tamwe Township, Yangon (1992)

