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## APPENDICES

APPENDIX A  
COST CALCULATION OF HOSPITALS  
(BASED ON PUBLIC WAGE)

TABLE A1 Total Direct Cost in Nan General Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Administration Department	11,984.44	46,123.96	1,036.37	1,681.60	2,717.97	60,826.37
A02	Mecical record and Statistics	773.80	110.52	79.44	0.00	79.44	963.77
A03	Food and Nutrition Department	2,380.69	965.38	187.28	283.90	471.18	3,817.25
A05	Nurses Administration Department	6,499.87	37.32	60.48	0.00	60.48	6,597.67
A06	Maintenance and Material Supply	1,818.51	1,522.30	621.16	72.71	693.87	4,034.69
A07	Laundry	1,750.20	1,939.98	73.18	275.55	348.73	4,038.91
A08	Academic &Quality Control	7,749.63	175.28	728.77	175.07	903.85	8,828.76
A09	Central Supply Department	4,169.31	2,952.83	29.85	275.55	305.40	7,427.53
B01	Pharmacy Department	7,610.25	4,317.06	1,718.12	50.76	1,768.88	13,696.19
B02	Laboratory Department	5,850.18	10,664.98	2,752.85	105.93	2,858.77	19,373.93
B03	Radiation Department	1,346.28	1,995.42	5,015.10	0.00	5,015.10	8,356.80
B04	Operation Room	14,171.79	9,055.53	4,529.17	394.92	4,924.09	28,151.41
B05	Labcr Room	3,260.37	417.25	1,045.49	356.37	1,401.86	5,079.48
B06	Rehabilitation Department	2,185.19	610.48	543.91	60.67	604.58	3,400.25
C01	Outpatients Department	9,274.48	18,149.65	1,125.22	187.24	1,312.46	28,736.59
C02	Emergency Room	7,629.96	1,076.95	1,496.88	18.24	1,515.12	10,222.03
C03	Dental health Department	2,640.99	736.49	100.04	3.74	103.78	3,481.26
D06	Male Surgical Ward	3,950.56	701.98	186.90	395.67	582.57	5,235.10
D07	Female Surgical Ward	3,234.98	630.45	165.73	375.48	541.21	4,406.63
D08	Male Orthopedics Ward	3,106.25	686.64	280.23	364.72	644.95	4,437.84
D09	Female Orthopedics Ward	2,842.55	634.96	247.75	364.72	612.47	4,089.98
D10	Nursery Ward	2,349.66	765.39	126.38	106.35	232.73	3,347.77
D11	Post Patum Ward	2,413.57	424.99	106.28	246.43	352.71	3,191.27
D12	Obs-Gynae Ward	3,608.47	534.71	266.37	365.33	631.70	4,774.88
D13	Ratanurak Ward Fr-2	4,048.86	897.80	151.37	182.23	333.60	5,280.26
D14	Ratanurak Ward Fr-1	3,127.58	1,205.96	442.55	174.13	616.68	4,950.22
D15	Pitakthai Ward Fr-2	3,466.79	1,067.99	327.02	183.79	510.81	5,045.59
D16	Pitakthai Ward Fr-1	3,488.02	1,758.32	962.22	217.42	1,179.64	6,425.98
D17	ICU Ward (Med+Surg) Chayanan Fr-1	5,878.23	6,069.66	4,468.33	21.98	4,490.31	16,438.20
D18	Chayanan Ward Fr-2	3,749.28	2,071.65	481.42	33.14	514.56	6,335.49
D19	Special Room Ward (200 Yr memory)	4,119.49	714.66	157.86	120.00	277.86	5,112.01
D20	Pediatric Ward	3,583.70	1,045.65	121.44	357.41	478.84	5,108.18
D21	ICU Ward (Ped+Surg)	4,264.04	4,531.58	1,746.87	166.76	1,913.63	10,709.25
D22	EENT. Ward	3,049.19	627.47	131.62	0.00	131.62	3,808.28
D23	Rutrongsan Ward Fr-1 (Surgical)	2,581.95	631.02	43.82	8.67	52.49	3,265.46
E03	Community Medical Services Department	6,947.05	237.56	82.38	9.57	91.95	7,276.55
E04	Health Education Department	2,035.73	95.43	42.09	0.00	42.09	2,173.26
	Total	162,941.87	126,185.24	31,681.93	7,636.05	39,317.98	328,445.09

Percentage of Labor cost : Material cost : Capital cost = 49.61 : 38.42 : 11.97

TABLE A2 Total Cost of NRPCC and RPCC in Nan General Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	60,826.37	5,635.36	66,461.73
A02	Medical record and Statistics	963.77	949.31	1,913.08
A03	Food and Nutrition Department	3,817.25	2,150.83	5,968.08
A05	Nurses Administration Department	6,597.67	6,771.67	13,369.34
A06	Maintenance and Material Supply	4,034.69	970.98	5,005.67
A07	Laundry	4,038.91	1,989.66	6,028.57
A08	Academic & Quality Control	8,828.76	3,519.54	12,348.30
A09	Central Supply Department	7,427.53	2,954.90	10,382.43
B01	Pharmacy Department	13,696.19	5,199.77	18,895.96
B02	Laboratory Department	19,373.93	5,870.59	25,244.52
B03	Radiation Department	8,356.80	1,612.23	9,969.02
B04	Operation Room	28,151.41	12,286.59	40,438.01
B05	Labor Room	5,079.48	5,870.57	10,950.06
B06	Rehabilitation Department	3,400.25	1,504.13	4,904.39
	Total	174,593.01	57,286.14	231,879.15



TABLE A3 Total Indirect Cost of PS and NPS in Nan General Hospital (Based on Public Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	A06	A07	A08	B01	B02	B03	B04	B05	R06	TIDC
C01	2,250.22	21.77	1.59	381.20	959.93	688.39	10.94	0.00	5,096.26	20,417.21	5,447.59	1,561.20	0.00	0.00	36,836.30
C02	2,571.68	24.44	213.69	435.66	369.39	869.55	1,426.23	0.00	0.00	205.22	236.92	0.00	0.00	0.00	6,352.78
C03	1,205.47	14.94	166.47	204.22	106.31	0.00	132.40	0.00	0.00	0.00	168.19	0.00	0.00	0.00	1,997.99
D06	1,446.57	8.75	257.59	245.06	37.51	434.78	812.04	550.28	573.31	264.10	179.33	308.89	0.00	3,121.08	8,239.29
D07	1,125.11	9.45	255.89	190.60	35.34	326.08	474.50	434.80	406.87	378.82	155.54	253.22	0.00	3,702.89	7,749.12
D08	1,285.84	13.37	284.05	217.83	28.03	362.31	220.62	461.52	370.95	104.14	158.72	1,114.76	0.00	3,255.47	7,877.60
D09	1,205.47	13.48	264.87	204.22	28.38	362.31	234.88	418.47	326.44	102.88	142.93	1,014.50	0.00	2,361.28	6,680.09
D10	1,125.11	19.45	237.63	190.60	7.42	398.54	79.62	130.33	7.45	29.74	161.15	0.00	0.00	365.61	2,752.66
D11	884.01	16.29	258.06	149.76	3.59	253.62	46.24	206.69	0.00	0.00	70.44	0.00	0.00	0.00	1,888.70
D12	1,285.84	8.28	331.52	217.83	20.71	398.54	219.79	318.20	80.80	153.33	131.00	0.00	10,950.06	1,850.67	15,966.57
D13	1,526.93	10.99	274.24	258.67	40.22	507.24	443.92	413.57	443.41	487.68	230.06	93.23	0.00	2,104.01	6,834.18
D14	2,250.22	24.94	315.43	381.20	25.55	833.32	467.91	353.93	296.45	172.85	273.73	95.13	0.00	3,164.49	8,655.14
D15	1,526.93	15.35	232.65	258.67	41.90	507.24	353.15	434.00	464.31	608.78	265.78	34.32	0.00	2,245.84	6,988.92
D16	1,607.30	81.63	305.81	272.29	36.74	543.47	350.95	407.46	485.14	604.32	242.03	30.81	0.00	2,271.33	7,239.27
D17	2,893.13	98.21	304.41	490.12	13.89	1,050.71	647.84	227.26	233.26	190.06	1,472.40	115.39	0.00	1,567.22	9,303.90
D18	1,526.93	8.03	240.97	258.67	40.17	507.24	246.67	386.67	364.44	495.60	590.98	63.51	0.00	1,870.88	6,600.76
D19	1,285.84	24.06	258.08	217.83	17.78	398.54	449.76	404.82	377.68	416.98	130.01	26.21	0.00	1,636.62	5,644.22
D20	1,687.66	24.66	300.79	285.90	60.49	543.47	197.92	389.66	202.75	271.84	226.81	0.00	0.00	1,694.88	5,886.83
D21	1,928.76	88.13	164.88	326.75	6.01	688.39	646.76	123.78	74.21	51.78	1,047.93	64.05	0.00	843.87	6,055.29
D22	964.38	15.81	233.83	163.37	28.57	326.08	113.83	238.18	115.18	146.06	132.59	0.00	0.00	4,676.55	7,154.43
D23	964.38	8.85	206.69	163.37	5.18	289.85	292.88	68.47	43.62	47.97	157.81	129.18	0.00	799.90	3,178.12
E03	2,732.40	14.20	12.08	462.89	0.00	543.47	19.10	0.00	0.00	0.00	21.69	0.00	0.00	0.00	3,805.84
E04	642.92	8.20	0.00	108.92	0.00	144.93	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	905.02

TABLE A4 Total Cost of PS and NPS in Nan General Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Outpatients Department	28,736.59	36,836.30	65,572.89
C02	Emergency Room	10,222.03	6,352.78	16,574.81
C03	Dental health Department	3,481.26	1,997.99	5,479.25
D06	Male Surgical Ward	5,235.10	8,239.29	13,474.39
D07	Female Surgical Ward	4,406.63	7,749.12	12,155.75
D08	Male Orthopedics Ward	4,437.84	7,877.60	12,315.43
D09	Female Orthopedics Ward	4,089.98	6,680.09	10,770.07
D10	Nursery Ward	3,347.77	2,752.66	6,100.44
D11	Post Partum Ward	3,191.27	1,888.70	5,079.97
D12	Obs-Gynae Ward	4,774.88	15,966.57	20,741.45
D13	Ratanurak Ward Fr-2	5,280.26	6,834.18	12,114.44
D14	Ratanurak Ward Fr-1	4,950.22	8,655.14	13,605.37
D15	Pitakthai Ward Fr-2	5,045.59	6,988.92	12,034.51
D16	Pitakthai Ward Fr-1	6,425.98	7,239.27	13,665.25
D17	ICU Ward (Med+Surg) Chayanan Fr-1	16,438.20	9,303.90	25,742.10
D18	Chayanan Ward Fr-2	6,335.49	6,600.76	12,936.25
D19	Special Room Ward (200 Yr memory)	5,112.01	5,644.22	10,756.23
D20	Pediatric Ward	5,108.18	5,886.83	10,995.01
D21	ICU Ward (Ped+Surg)	10,709.25	6,055.29	16,764.55
D22	EENT. Ward	3,808.28	7,154.43	10,962.71
D23	Rutrungsan Ward Fr-1 (Surg)	3,265.46	3,178.12	6,443.58
E03	Community Medical Services Department	7,276.55	3,805.84	11,082.39
E04	Health Education Department	2,173.26	905.02	3,078.28
	Total	153,852.08	174,593.01	328,445.09

TABLE A5 Total Cost and Unit Cost of PS and NPS in Nan General Hospital (Based on Public Wage)

unit: baht

Code	Outpatient Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	65,572,885	108,647	604		
C02	Emergency Room	16,574,805	41,808	396		
C03	Dental health Department	5,479,249	12,032	455		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D06	Male Surgical Ward	13,474,389	2,123	6,347	12,337	1,092
D07	Female Surgical Ward	12,155,750	2,000	6,078	9,748	1,247
D08	Male Orthopedics Ward	12,315,433	1,586	7,765	10,347	1,190
D09	Female Orthopedics Ward	10,770,067	1,606	6,706	9,382	1,148
D10	Nursery Ward	6,100,435	420	14,525	2,922	2,088
D11	Post Patum Ward	5,079,968	203	25,024	4,634	1,096
D12	Obs-Gynae Ward	20,741,454	1,172	17,697	7,134	2,907
D13	Ratanurak Ward Fr-2	12,114,436	2,276	5,323	9,272	1,307
D14	Ratanurak Ward Fr-1	13,605,365	1,446	9,409	7,935	1,715
D15	Pitakthai Ward Fr-2	12,034,508	2,371	5,076	9,730	1,237
D16	Pitakthai Ward Fr-1	13,665,252	2,079	6,573	9,135	1,496
D17	ICU Ward (Med+Surg) Chayanan Fr-1	25,742,096	786	32,751	5,095	5,052
D18	Chayanan Ward Fr-2	12,936,246	2,273	5,691	8,669	1,492
D19	Special Room Ward (200 Yr memory)	10,756,228	1,006	10,692	9,076	1,185
D20	Pediatric Ward	10,995,014	3,423	3,212	8,736	1,259
D21	ICU Ward (Ped+Surg)	16,764,545	340	49,307	2,775	6,041
D22	EENT. Ward	10,962,709	1,617	6,780	5,340	2,053
D23	Rutrungsan Ward Fr-1 (Surg)	6,443,584	293	21,992	1,535	4,198
	Total IPD	226,657,478	25,870	8,761	133,802	1,694

TABLE A6 Total Direct Cost in Pua Crown Prince Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Administration Department	6,055.57	9,638.19	791.54	1,678.36	2,469.89	18,163.66
A02	Medical Record	446.89	34.32	30.09	25.73	55.82	537.03
A03	Nutrition	146.70	605.18	24.77	29.45	54.22	806.11
A04	Laundry and Supply	880.82	352.75	8.29	39.23	47.52	1,281.09
A05	Nursing Department	1,219.88	20.10	4.71	0.40	5.11	1,245.10
B01	Pharmacist	1,696.94	81.71	28.15	40.21	68.36	1,847.01
B02	Laboratory	1,111.57	81.96	42.92	25.02	67.94	1,261.47
B03	Radiation	435.86	146.94	338.28	73.90	412.17	994.97
B04	Operation Room	1,247.72	373.61	116.52	90.14	206.66	1,827.99
B05	Labor Room	1,517.94	208.37	154.82	78.33	233.16	1,959.48
C01	Out Of Patient Department	3,112.06	6,953.52	97.37	63.39	160.76	10,226.35
C02	Emergency Department	1,921.74	1,083.07	55.23	473.05	528.28	3,533.09
C03	Dentist Department	1,104.85	494.85	50.14	23.58	73.72	1,673.42
D02	Female Ward	1,932.65	338.13	50.63	115.36	165.99	2,436.77
D03	Male ward	1,984.34	330.38	57.04	126.67	183.71	2,498.43
D04	ICU	1,457.41	522.85	77.47	107.08	184.55	2,164.81
D05	Pediatric	749.75	238.22	52.36	113.33	165.69	1,153.66
E01	Health Promotion Department	984.73	295.56	31.47	76.37	107.84	1,388.14
E02	Sanitation Department	538.91	342.84	14.21	75.52	89.73	971.48
	Total	28,546.34	22,142.57	2,026.00	3,255.13	5,281.13	55,970.04

Percentage of Labor cost : Material cost : Capital cost = 51.00 : 39.56 : 9.44

TABLE A7 Total Cost of NRPCC and RPCC in Pua Crown Prince Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	18,163.66	105.35	18,269.00
A02	Medical Record	537.03	121.30	658.32
A03	Nutrition	806.11	245.07	1,051.17
A04	Laundry and Supply	1,281.09	882.02	2,163.11
A05	Nursing Department	1,245.10	1,212.96	2,458.06
B01	Pharmacist	1,847.01	1,455.25	3,302.26
B02	Laboratory	1,261.47	870.85	2,132.32
B03	Radiation	994.97	409.73	1,404.70
B04	Operation Room	1,827.99	1,190.09	3,018.08
B05	Labor Room	1,959.48	2,169.49	4,128.97

TABLE A8 Total Indirect Cost of PS and NPS in Pua Crown Prince Hospital (Based on Public Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	B01	B02	B03	B04	B05	TIDC
C01	2,298.75	336.58	0.00	76.76	316.04	1,860.88	587.96	367.29	273.72	0.00	6,117.98
C02	1,330.85	53.54	0.00	129.99	245.81	309.51	276.81	199.39	318.78	0.00	2,864.67
C03	1,088.88	25.73	0.00	170.23	175.58	148.68	167.82	120.98	155.58	0.00	2,053.47
D02	1,572.83	68.80	318.07	417.58	351.15	141.02	184.70	137.47	444.72	4,128.97	7,765.32
D03	1,814.80	76.66	354.40	465.29	386.27	141.82	220.94	160.48	536.05	0.00	4,156.70
D04	1,330.85	35.45	163.89	215.17	280.92	227.45	296.81	208.09	514.59	0.00	3,273.22
D05	483.95	46.46	214.81	282.02	105.35	149.35	182.04	120.54	333.66	0.00	1,918.18
E01	725.92	8.50	0.00	15.48	35.12	61.46	33.44	0.00	0.00	0.00	879.91
E02	604.93	6.61	0.00	15.48	35.12	61.07	96.45	74.78	0.00	0.00	894.44

TABLE A9 Total Cost of PS and NPS in Pua Crown Prince Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Out Of Patient Department	10,226.35	6,117.98	16,344.33
C02	Emergency Department	3,533.09	2,864.67	6,397.76
C03	Dentist Department	1,673.42	2,053.47	3,726.89
D02	Female Ward	2,436.77	7,765.32	10,202.09
D03	Male ward	2,498.43	4,156.70	6,655.13
D04	ICU	2,164.81	3,273.22	5,438.03
D05	Pediatric	1,153.66	1,918.18	3,071.84
E01	Health Promotion Department	1,388.14	879.91	2,268.05
E02	Sanitation Department	971.48	894.44	1,865.92
	<b>Total</b>	<b>55,970.04</b>	<b>29,923.90</b>	<b>55,970.04</b>

TABLE A10 Total Cost and Unit Cost of PS and NPS in Pua Crown Prince Hospital (Based on Public Wage)

unit: baht

Code	Outpatient Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	16,344,327	99,013	165		
C02	Emergency Room	6,397,763	15,750	406		
C03	Dental health Department	3,726,893	7,569	492		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D02	Female Ward	10,202,085	2,336	7,826	8,994.00	1,347
D03	Male ward	6,655,134	2,457	7,577	9,237.00	1,555
D04	ICU	5,438,026	822	9,495	7,094	1,455
D05	Pediatric	3,071,839	1,714	8,146	8,117	1,394
	Total IPD	25,367,084	7,329	3,461	33,442	759



TABLE A11 Total Direct Cost in Tungchang Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Acministration Department	769.11	2,328.50	156.83	946.70	1,103.52	4,201.14
A02	Medical Record	113.89	7.55	23.51	28.20	51.71	173.15
A03	Nutrition	116.76	79.25	8.56	10.02	18.58	214.59
A04	Laundry and Supply	98.86	56.48	14.89	2.48	17.37	172.71
A05	Nursing Department	126.06	15.00	3.85	27.00	30.85	171.91
B01	Pharmacist	792.55	69.58	15.01	45.16	60.18	922.31
B02	Laboratory	383.30	121.92	78.56	47.24	125.80	631.01
B03	Radiation	191.83	97.71	405.00	28.20	433.20	722.74
B04	Operation Room	388.81	107.82	18.12	36.61	54.73	551.36
B05	Labor Room	583.56	80.71	20.35	59.41	79.76	744.03
C01	Out Of Patient Department	2,620.28	1,580.82	27.03	219.91	246.93	4,448.04
C02	Emergency Department	579.78	158.25	18.78	41.02	59.80	797.83
C03	Dentist Department	690.92	215.95	35.09	70.60	105.69	1,012.56
D01	In-Patient Department	2,103.48	1,281.70	29.00	167.69	196.69	3,581.86
E01	Health Promotion Department	576.57	160.53	103.59	210.10	313.70	1,050.80
E02	Sanitation Department	526.68	44.04	10.48	205.43	215.91	786.63
	<b>Total</b>	<b>10,662.46</b>	<b>6,405.80</b>	<b>968.65</b>	<b>2,145.76</b>	<b>3,114.41</b>	<b>20,182.67</b>

Percentage of Labor cost : Material cost : Capital cost = 52.83 : 31.74 : 15.43

TABLE A12 Total Cost of NRPCC and RPCC in Tungchang Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	4,201.14	0.23	4,201.37
A02	Medical Record	173.15	67.99	241.15
A03	Nutrition	214.59	136.67	351.26
A04	Laundry and Supply	172.71	67.76	240.47
A05	Nursing Department	171.91	67.99	239.90
B01	Pharmacist	922.31	408.87	1,331.17
B02	Laboratory	631.01	371.77	1,002.78
B03	Radiation	722.74	187.62	910.36
B04	Operation Room	551.36	148.19	699.55
B05	Labor Room	744.03	519.57	1,263.60

TABLE A13 Total Indirect Cost of PS and NPS in Tungchang Hospital (Based on Public Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	B01	B02	B03	B04	B05	TIDC
C01	609.88	173.95	0.00	20.53	36.91	742.38	619.53	346.57	149.90	0.00	2,699.63
C02	271.06	3.80	0.00	35.59	27.68	25.32	36.99	229.50	37.98	0.00	667.91
C03	406.58	17.00	0.00	3.42	0.00	318.40	6.07	29.04	63.50	0.00	844.01
D01	880.93	24.79	351.26	79.85	101.50	67.92	284.61	247.29	296.25	1,263.60	3,597.99
E01	271.06	18.52	0.00	2.28	18.45	38.53	6.08	30.57	0.00	0.00	385.49
E02	271.06	2.77	0.00	2.28	18.45	0.00	4.20	11.15	0.00	0.00	309.91

TABLE A14 Total Cost of PS and NPS in Tungchang Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Out Of Patient Department	4,448.04	2,699.63	7,147.68
C02	Emergency Department	797.83	667.91	1,465.74
C03	Dentist Department	1,012.56	844.01	1,856.57
D01	In-Patient Department	3,581.86	3,597.99	7,179.85
E01	Health Promotion Department	1,050.80	385.49	1,436.28
E02	Sanitation Department	786.63	309.91	1,096.54
	<b>Total</b>	<b>11,677.72</b>	<b>8,504.95</b>	<b>20,182.67</b>

TABLE A15 Total Cost and Unit Cost of PS and NPS in Tungchang Hospital (Based on Public Wage)

unit: baht

Code	Outpatient Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	7,147,678	46,495	154		
C02	Emergency Room	1,465,742	3,716	394		
C03	Dental health Department	1,856,574	4,544	409		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D01	In-patient Department (WARD)	7,179,851	3,313	2,167	9,022	796
	Total IPD	7,179,851	3,313	2,167	9,022	796

TABLE A16 Total Direct Cost in Songkwaee Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Administration Department	965.31	766.42	127.04	623.26	750.30	2,482.03
A02	Medical Record	100.50	1.67	13.86	11.69	25.55	127.72
A03	Nutrition	55.60	4.25	3.56	0.00	3.56	63.41
A04	Laundry and Supply	57.60	16.54	9.70	0.00	9.70	83.84
A05	Nursing Department	21.71	0.85	0.75	18.19	18.94	41.50
B01	Pharmacist	801.19	39.02	7.01	41.46	48.47	888.68
B02	Laboratory	141.23	56.34	73.76	28.63	102.39	299.96
B03	Radiation	106.59	43.89	400.00	14.93	414.93	565.42
B04	Operation Room	322.15	32.50	0.12	22.02	22.14	376.79
B05	Labor Room	267.60	46.40	11.35	24.12	35.47	349.47
C01	Out Of Patient Department	1,127.38	773.72	11.44	59.08	70.51	1,971.61
C02	Emergency Department	465.05	150.10	63.81	21.60	85.41	700.56
C03	Dentist Department	272.03	274.32	9.97	36.29	46.26	592.61
D01	In-Patient Department	821.99	449.72	9.74	73.54	83.28	1,354.99
E01	Health Promotion Department	708.24	91.59	22.61	56.79	79.40	879.24
E02	Sanitation Department	134.16	2.90	0.48	18.74	19.22	156.28
	<b>Total</b>	<b>6,368.35</b>	<b>2,750.23</b>	<b>765.20</b>	<b>1,050.33</b>	<b>1,815.53</b>	<b>10,934.10</b>

Percentage of Labor cost : Material cost : Capital cost = 58.24 : 25.16 : 16.60

TABLE A17 Total Cost of NRPCC and RPCC in Songkwaee Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	2,482.03	0.00	2,482.03
A02	Medical Record	127.72	63.64	191.36
A03	Nutrition	63.41	63.64	127.05
A04	Laundry and Supply	83.84	63.64	147.48
A05	Nursing Department	41.50	63.64	105.14
B01	Pharmacist	888.68	318.21	1,206.89
B02	Laboratory	299.96	148.74	448.70
B03	Radiation	565.42	99.50	664.91
B04	Operation Room	376.79	149.97	526.75
B05	Labor Room	349.47	562.73	912.20

TABLE A18 Total Indirect Cost of PS and NPS in Songkwae Hospital (Based on Public Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	B01	B02	B03	B04	B05	TIDC
C01	127.28	134.56	0.00	2.89	14.02	673.07	179.82	156.53	57.07	0.00	1,345.24
C02	190.93	23.29	0.00	72.81	14.02	22.96	19.53	223.48	62.43	0.00	629.44
C03	381.85	16.68	0.48	11.33	0.00	288.68	0.00	28.27	0.00	0.00	727.29
D01	318.21	16.83	126.57	12.14	28.04	61.58	99.26	240.80	50.54	912.20	1,866.15
E01	318.21	0.00	0.00	5.78	21.03	34.93	78.60	0.00	0.00	0.00	458.54
E02	190.93	0.00	0.00	0.00	0.00	0.00	61.22	0.00	0.00	0.00	252.14



TABLE A19 Total Cost of PS and NPS in Songkwaee Hospital (Based on Public Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Out Of Patient Department	1,971.61	1,345.24	3,316.86
C02	Emergency Department	700.56	629.44	1,330.00
C03	Dentist Department	592.61	727.29	1,319.91
D01	In-Patient Department	1,354.99	1,866.15	3,221.14
E01	Health Promotion Department	879.24	458.54	1,337.78
E02	Sanitation Department	156.28	252.14	408.42
	<b>Total</b>	<b>5,655.29</b>	<b>5,278.81</b>	<b>10,934.10</b>

TABLE A20 Total Cost and Unit Cost of PS and NPS in Songkwaee Hospital (Based on Public Wage)

unit: baht

Code	Outpatients Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	3,316,857	20,567	161		
C02	Emergency Room	1,330,003	3,560	374		
C03	Dental health Department	1,319,906	2,548	518		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D01	In-patient Department (WARD)	3,221,140	1,292	2,493	3,175	1,015
	Total IPD	3,221,140	1,292	2,493	3,175	1,015

APPENDIX B  
COST CALCULATION OF HEALTH CENTERS  
(BASED ON PUBLIC WAGE)

TABLE B1 Total Direct Cost of Chondan Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	75.88	173.37	117.92	74.91	192.83	442.08
2. Information management	21.66	5.50	7.34	7.79	15.13	42.30
3. Medical treatment	64.01	117.31	29.83	33.76	63.58	244.90
4. Maternal and child health services	26.44	3.31	-	5.19	5.19	34.94
5. Family planning clinic	26.44	10.77	-	5.19	5.19	42.40
6. EPI clinic	40.41	18.93	0.29	5.19	5.48	64.83
7. Health education	45.34	2.50	-	0.65	0.65	48.50
8. School health promotion	28.53	2.50	-	0.65	0.65	31.69
9. Community health service	21.66	10.00	-	9.96	9.96	41.62
10. Sanitary & prevention and diseases control	33.46	10.50	0.40	1.31	1.71	45.67
<b>Total</b>	<b>383.83</b>	<b>354.70</b>	<b>155.78</b>	<b>144.61</b>	<b>300.39</b>	<b>1,038.92</b>

Percentage of Labor cost : Material cost : Capital cost = 36.95 : 34.14 : 28.91

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE B2 Total Indirect Cost of Chondan Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	75.88	173.37	192.83	442.08	-	-	-	-	-	-
2. Information management	21.66	5.50	15.13	42.30	-	-	-	-	-	-
3. Medical treatment	64.01	117.31	63.58	244.90	244.90	0.44	43.08	79.00	91.84	213.91
4. Maternal and child health services	26.44	3.31	5.19	34.94	34.94	0.06	6.15	11.27	13.10	30.52
5. Family planning clinic	26.44	10.77	5.19	42.40	42.40	0.08	7.46	13.68	15.90	37.04
6. EPI clinic	40.41	18.93	5.48	64.83	64.83	0.12	11.40	20.91	24.31	56.62
7. Health education	45.34	2.50	0.65	48.50	48.50	0.09	8.53	15.64	18.19	42.36
8. School health promotion	28.53	2.50	0.65	31.69	31.69	0.06	5.57	10.22	11.88	27.68
9. Community health service	21.66	10.00	9.96	41.62	41.62	0.08	7.32	13.42	15.61	36.35
10. Sanitary & prevention and diseases control	33.46	10.50	1.71	45.67	45.67	0.08	8.03	14.73	17.13	39.89
<b>Total</b>	<b>383.83</b>	<b>354.70</b>	<b>300.39</b>	<b>1,038.92</b>	<b>554.55</b>	<b>1.00</b>	<b>97.54</b>	<b>178.87</b>	<b>207.96</b>	<b>484.37</b>

Note :  
 LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE B3 Total Cost and Unit Cost of Chondan Health Center (Based on Public Wage)

unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	107.08	196.31	155.43	458.81	12,155	Visits	9	16	13	38
4. Maternal and child health services	32.58	14.58	18.30	65.46	456	Visits	71	32	40	144
5. Family planning clinic	33.90	24.45	21.09	79.44	551	Visits	62	44	38	144
6. EPI clinic	51.81	39.84	29.79	121.45	1,547	Visits	33	26	19	79
7. Health education	53.87	18.14	18.84	90.86	146	Times	369	124	129	622
8. School health promotion	34.10	12.72	12.54	59.36						
9. Community health service	28.98	23.42	25.56	77.97						
10. Sanitary & prevention and diseases control	41.50	25.23	18.84	85.57						
<b>Total</b>	<b>383.83</b>	<b>354.70</b>	<b>300.39</b>	<b>1,038.92</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

TABLE B4 Total Direct Cost of Numripattana Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	16.61	103.50	96.00	52.42	148.42	268.53
2. Information management	17.78	2.50	7.20	4.33	11.53	31.81
3. Medical treatment	18.39	110.00	0.90	27.08	27.98	156.37
4. Maternal and child health services	15.61	11.00		4.33	4.33	30.94
5. Family planning clinic	17.22	8.80		4.33	4.33	30.36
6. EPI clinic	17.22	32.30	0.32	4.33	4.65	54.18
7. Health education	18.00	4.50		2.71	2.71	25.21
8. School health promotion	16.61	5.50		2.71	2.71	24.82
9. Community health service	17.83	14.50		4.33	4.33	36.67
10. Sanitary & prevention and diseases control	17.39	7.30		5.42	5.42	30.11
<b>Total</b>	<b>172.67</b>	<b>299.90</b>	<b>104.42</b>	<b>112.00</b>	<b>216.42</b>	<b>688.99</b>

Percentage of Labor cost : Material cost : Capital cost = 25.06 : 43.53 : 31.41

Note :  
 LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE B5 Total Indirect Cost of Numripattana Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	16.61	103.50	148.42	268.53	-	-	-	-	-	-
2. Information management	17.78	2.50	11.53	31.81	-	-	-	-	-	-
3. Medical treatment	18.39	110.00	27.98	156.37	156.37	0.40	13.84	42.65	64.36	120.84
4. Maternal and child health services	15.61	11.00	4.33	30.94	37.94	0.08	2.74	8.44	12.73	23.91
5. Family planning clinic	17.22	8.80	4.33	30.36	40.36	0.08	2.69	8.28	12.49	23.46
6. EPI clinic	17.22	32.30	4.65	54.18	54.18	0.14	4.79	14.78	22.30	41.87
7. Health education	18.00	4.50	2.71	25.21	25.21	0.06	2.23	6.88	10.38	19.48
8. School health promotion	16.61	5.50	2.71	24.82	24.82	0.06	2.20	6.77	10.21	19.18
9. Community health service	17.83	14.50	4.33	36.67	36.67	0.09	3.24	10.00	15.09	28.34
10. Sanitary & prevention and diseases control	17.39	7.30	5.42	30.11	30.11	0.08	2.66	8.21	12.39	23.27
<b>Total</b>	<b>172.67</b>	<b>299.90</b>	<b>216.42</b>	<b>688.99</b>	<b>405.65</b>	<b>1.00</b>	<b>34.39</b>	<b>106.00</b>	<b>159.95</b>	<b>300.34</b>

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost



TABLE B6 Total Cost and Unit Cost of Numripattana Health Center (Based on Public Wage)

unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	32.22	152.65	92.34	277.21	8,660	Visits	4	18	11	32
4. Maternal and child health services	18.35	19.44	17.07	54.85	440	Visits	42	44	39	125
5. Family planning clinic	19.91	17.08	16.83	53.81	400	Visits	50	43	42	135
6. EPI clinic	22.02	47.08	26.95	96.04	1,500	Visits	15	31	18	64
7. Health education	20.23	11.38	13.08	44.69	43	Times	471	265	304	1,039
8. School health promotion	18.81	12.27	12.92	44.00						
9. Community health service	21.08	24.50	19.42	65.00						
10. Sanitary & prevention and diseases control	20.05	15.51	17.81	53.37						
<b>Total</b>	<b>172.67</b>	<b>299.90</b>	<b>216.42</b>	<b>688.99</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

TABLE B/ Total Direct Cost of Pon Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	66.11	147.27	1.02	63.47	64.49	277.87
2. Information management	20.12	5.50	7.10	5.19	12.29	37.92
3. Medical treatment	64.36	108.56		35.70	35.70	208.62
4. Maternal and child health services	9.16	0.00		5.19	5.19	14.35
5. Family planning clinic	14.73	3.29		5.19	5.19	23.20
6. EPI clinic	16.97	18.54		5.19	5.19	40.71
7. Health education	16.97	2.50		3.25	3.25	22.72
8. School health promotion	16.97	2.50		3.25	3.25	22.72
9. Community health service	29.26	25.00		13.50	13.50	67.76
10. Sanitary & prevention and diseases control	39.85	5.20		6.49	6.49	51.54
<b>Total</b>	<b>294.51</b>	<b>318.36</b>	<b>8.12</b>	<b>146.43</b>	<b>154.55</b>	<b>767.42</b>

Percentage of Labor cost : Material cost : Capital cost = 38.38 : 41.48 : 20.14

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE B8 Total Indirect Cost of Pon Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	66.11	147.27	64.49	277.87	-	-	-	-	-	-
2. Information management	20.12	5.50	12.29	37.92	-	-	-	-	-	-
3. Medical treatment	64.36	108.56	35.70	208.62	208.62	0.46	39.83	70.57	35.47	145.88
4. Maternal and child health services	9.16	-	5.19	14.35	14.35	0.03	2.74	4.86	2.44	10.04
5. Family planning clinic	14.73	3.29	5.19	23.20	23.20	0.05	4.43	7.85	3.95	16.23
6. EPI clinic	16.97	18.54	5.19	40.71	40.71	0.09	7.77	13.77	6.92	28.47
7. Health education	16.97	2.50	3.25	22.72	22.72	0.05	4.34	7.69	3.86	15.89
8. School health promotion	16.97	2.50	3.25	22.72	22.72	0.05	4.34	7.69	3.86	15.89
9. Community health service	29.26	25.00	13.50	67.76	67.76	0.15	12.94	22.92	11.52	47.38
10. Sanitary & prevention and diseases control	39.85	5.20	6.49	51.54	51.54	0.11	9.84	17.43	8.76	36.04
<b>Total</b>	<b>294.51</b>	<b>318.36</b>	<b>154.55</b>	<b>767.42</b>	<b>451.63</b>	<b>1.00</b>	<b>86.23</b>	<b>152.77</b>	<b>76.79</b>	<b>315.79</b>

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE B9 Total Cost and Unit Cost of Pon Health Center (Based on Public Wage)

unit: thousand baht

unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	104.20	179.13	71.17	354.50	7,860	Visits	13	23	9	45
4. Maternal and child health services	11.90	4.86	7.63	24.39	144	Visits	83	34	53	169
5. Family planning clinic	19.16	11.14	9.14	39.43	685	Visits	28	16	13	58
6. EPI clinic	24.75	32.31	12.11	69.17	794	Visits	31	41	15	87
7. Health education	21.31	10.19	7.11	38.61	12	Times	1,776	849	592	3,217
8. School health promotion	21.31	10.19	7.11	38.61						
9. Community health service	42.20	47.92	25.02	115.14						
10. Sanitary & prevention and diseases control	49.69	22.63	15.25	87.58						
<b>Total</b>	<b>294.51</b>	<b>318.36</b>	<b>154.55</b>	<b>767.42</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

TABLE B10 Total Direct Cost of Ngob Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	54.11	159.69	2.78	78.31	81.09	294.89
2. Information management	27.33	5.50	5.56	7.09	12.65	45.48
3. Medical treatment	74.12	142.06	5.00	34.03	39.03	255.20
4. Maternal and child health services	14.79	6.20	1.00	2.84	3.84	24.82
5. Family planning clinic	16.17	8.10	0.00	2.84	2.84	27.11
6. EPI clinic	19.11	23.51	0.10	2.84	2.94	45.56
7. Health education	17.43	1.75	0.00	2.84	2.84	22.01
8. School health promotion	14.49	7.26	0.00	2.84	2.84	24.58
9. Community health service	14.42	67.50	0.00	7.09	7.09	89.01
10. Sanitary & prevention and diseases control	20.30	31.55	0.00	7.09	7.09	58.94
11. Dental health services	43.66	52.00	1.00	14.18	15.18	110.83
Total	315.92	505.11	15.44	161.96	177.40	998.44

Percentage of Labor cost : Material cost : Capital cost = 31.64 : 50.59 : 17.77

Note : LC = Labor Cost

MC = Material Cost

CC = Capital Cost

TDC = Total Direct Cost

TABLE B11 Total Indirect Cost of Ngob Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	54.11	159.69	81.09	294.89	-	-	-	-	-	-
2. Information management	27.33	5.50	12.65	45.48	-	-	-	-	-	-
3. Medical treatment	74.12	142.06	39.03	255.20	255.20	0.39	31.58	64.06	36.35	132.00
4. Maternal and child health services	14.79	6.20	3.84	24.82	24.82	0.04	3.07	6.23	3.54	12.84
5. Family planning clinic	16.17	8.10	2.84	27.11	27.11	0.04	3.35	6.81	3.86	14.02
6. EPI clinic	19.11	23.51	2.94	45.56	45.56	0.07	5.64	11.44	6.49	23.56
7. Health education	17.43	1.75	2.84	22.01	22.01	0.03	2.72	5.53	3.14	11.38
8. School health promotion	14.49	7.26	2.84	24.58	24.58	0.04	3.04	6.17	3.50	12.71
9. Community health service	14.42	67.50	7.09	89.01	89.01	0.14	11.02	22.34	12.68	46.04
10. Sanitary & prevention and diseases control	20.30	31.55	7.09	58.94	58.94	0.09	7.29	14.80	8.40	30.49
11. Dental health services	43.66	52.00	15.18	110.83	110.83	0.17	13.72	27.82	15.79	57.33
<b>Total</b>	<b>315.92</b>	<b>505.11</b>	<b>177.40</b>	<b>998.44</b>	<b>658.07</b>	<b>1.00</b>	<b>81.44</b>	<b>165.19</b>	<b>93.74</b>	<b>340.37</b>

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE B12 Total Cost and Unit Cost of Ngob Health Center (Based on Public Wage)

Unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-	-	-	-	-	-	-
2. Information management	-	-	-	-	-	-	-	-	-	-
3. Medical treatment	105.70	206.12	75.38	387.20	10,207	Visits	10	20	7	38
4. Maternal and child health services	17.86	12.43	7.37	37.66	270	Visits	66	46	27	139
5. Family planning clinic	19.53	14.91	6.70	41.13	1,079	Visits	18	14	6	38
6. EPI clinic	24.75	34.94	9.43	69.12	1,209	Visits	20	29	8	57
7. Health education	20.15	7.28	5.97	33.40	87	Times	232	84	69	384
8. School health promotion	17.53	13.43	6.34	37.30						
9. Community health service	25.44	89.84	19.77	135.05						
10. Sanitary & prevention and diseases control	27.59	46.35	15.49	89.43						
11. Dental health services	57.37	79.82	30.97	168.16						
<b>Total</b>	<b>315.92</b>	<b>505.11</b>	<b>177.40</b>	<b>998.44</b>						

Note : LC = Labor Cost

MC = Material Cost

CC = Capital Cost

TABLE B13 Total Direct Cost of Hauysatang Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	28.58	30.10		2.35	2.35	61.03
2. Information management	5.80	1.00	4.70	0.88	5.58	12.38
3. Medical treatment	52.84	107.74	1.40	5.52	6.92	167.50
4. Maternal and child health services	6.88	0.70		1.10	1.10	8.68
5. Family planning clinic	6.88	9.19		1.10	1.10	17.17
6. EPI clinic	6.88	12.57	0.10	1.10	1.20	20.65
7. Health education	6.88	0.00		0.88	0.88	7.76
8. School health promotion	6.88	1.67		0.88	0.88	9.43
9. Community health service	7.96	12.10		0.88	0.88	20.94
10. Sanitary & prevention and diseases control	7.96	16.71		0.88	0.88	25.55
<b>Total</b>	<b>137.50</b>	<b>191.78</b>	<b>6.20</b>	<b>15.60</b>	<b>21.80</b>	<b>351.08</b>

Percentage of Labor cost : Material cost : Capital cost = 39.17 : 54.63 : 6.20

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost



TABLE B14 Total Indirect Cost of Hauysatang Health Center (Based on Public Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	28.58	30.10	2.35	61.03	-	-	-	-	-	-
2. Information management	5.80	1.00	5.58	12.38	-	-	-	-	-	-
3. Medical treatment	52.84	107.74	6.92	167.50	167.50	0.60	20.74	18.76	4.79	44.28
4. Maternal and child health services	6.88	0.70	1.10	8.68	8.68	0.03	1.07	0.97	0.25	2.29
5. Family planning clinic	6.88	9.19	1.10	17.17	17.17	0.06	2.13	1.92	0.49	4.54
6. EPI clinic	6.88	12.57	1.20	20.65	20.65	0.07	2.56	2.31	0.59	5.46
7. Health education	6.88	-	0.88	7.76	7.76	0.03	0.96	0.87	0.22	2.05
8. School health promotion	6.88	1.67	0.88	9.43	9.43	0.03	1.17	1.06	0.27	2.49
9. Community health service	7.96	12.10	0.88	20.94	20.94	0.08	2.59	2.34	0.60	5.54
10. Sanitary & prevention and diseases control	7.96	16.71	0.88	25.55	25.55	0.09	3.16	2.86	0.73	6.75
<b>Total</b>	<b>137.50</b>	<b>191.78</b>	<b>21.80</b>	<b>351.08</b>	<b>277.67</b>	<b>1.00</b>	<b>34.38</b>	<b>31.10</b>	<b>7.94</b>	<b>73.41</b>

Note :  
 LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE B15 Total Cost and Unit Cost of Hauysatang Health Center (Based on Public Wage)

Unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	73.58	126.50	11.71	211.79	2,483	Visits	30	51	5	85
4. Maternal and child health services	7.95	1.67	1.35	10.97	49	Visits	162	34	28	224
5. Family planning clinic	9.00	11.11	1.59	21.71	133	Visits	68	84	12	163
6. EPI clinic	9.43	14.88	1.79	26.11	94	Visits	100	158	19	278
7. Health education	7.84	0.87	1.10	9.81	14	Times	560	62	79	701
8. School health promotion	8.04	2.72	1.15	11.92						
9. Community health service	10.55	14.44	1.48	26.47						
10. Sanitary & prevention and diseases control	11.12	19.57	1.61	32.30						
<b>Total</b>	<b>137.50</b>	<b>191.78</b>	<b>21.80</b>	<b>351.08</b>						

Note :      LC = Labor Cost  
                  MC = Material Cost  
                  CC = Capital Cost

APPENDIX C  
COST CALCULATION OF HOSPITALS  
(BASED ON MARKET WAGE)

TABLE C1 Total Direct Cost in Nan General Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Administration Department	15,848.40	46,123.96	1,036.37	1,681.60	2,717.97	64,690.33
A02	Medical record and Statistics	2,337.50	110.52	79.44	0.00	79.44	2,527.47
A03	Food and Nutrition Department	2,104.35	965.38	187.28	283.90	471.18	3,540.91
A05	Nurses Administration Department	10,158.37	37.32	60.48	0.00	60.48	10,256.17
A06	Maintenance and Material Supply	923.03	1,522.30	621.16	72.71	693.87	3,139.20
A07	Laundry	12,640.31	1,939.98	73.18	275.55	348.73	14,929.02
A08	Academic & Quality Control	5,093.20	175.28	728.77	175.07	903.85	6,172.33
A09	Central Supply Department	2,883.30	2,952.83	29.85	275.55	305.40	6,141.53
B01	Pharmacy Department	2,370.18	4,317.06	1,718.12	50.76	1,768.88	8,456.11
B02	Laboratory Department	7,844.78	10,664.98	2,752.85	105.93	2,858.77	21,368.53
B03	Radiation Department	11,415.21	1,995.42	5,015.10	0.00	5,015.10	18,425.72
B04	Operation Room	2,756.97	9,055.53	4,529.17	394.92	4,924.09	16,736.59
B05	Labor Room	5,213.84	417.25	1,045.49	356.37	1,401.86	7,032.95
B06	Rehabilitation Department	22,762.32	610.48	543.91	60.67	604.58	23,977.39
C01	Outpatients Department	18,758.45	18,149.65	1,125.22	187.24	1,312.46	38,220.56
C02	Emergency Room	13,852.78	1,076.95	1,496.88	18.24	1,515.12	16,444.85
C03	Dental health Department	4,987.93	736.49	100.04	3.74	103.78	5,828.20
D06	Male Surgical Ward	6,044.82	701.98	186.90	395.67	582.57	7,329.36
D07	Female Surgical Ward	5,107.14	630.45	165.73	375.48	541.21	6,278.80
D08	Male Orthopedics Ward	4,774.17	686.64	280.23	364.72	644.95	6,105.76
D09	Female Orthopedics Ward	4,345.11	634.96	247.75	364.72	612.47	5,592.54
D10	Nursery Ward	3,704.58	765.39	126.38	106.35	232.73	4,702.69
D11	Post Partum Ward	3,797.66	424.99	106.28	246.43	352.71	4,575.36
D12	Obs-Gynae Ward	5,460.91	534.71	266.37	365.33	631.70	6,627.33
D13	Ratanurak Ward Fr-2	6,398.76	897.80	151.37	182.23	333.60	7,630.16
D14	Ratanurak Ward Fr-1	3,271.28	1,205.96	442.55	174.13	616.68	5,093.91
D15	Pitakthai Ward Fr-2	5,532.36	1,067.99	327.02	183.79	510.81	7,111.16
D16	Pitakthai Ward Fr-1	5,599.50	1,758.32	962.22	217.42	1,179.64	8,537.46
D17	ICU Ward (Mec+Surg) Chayanan Fr-1	8,997.93	6,069.66	4,468.33	21.98	4,490.31	19,557.90
D18	Chayanan Ward Fr-2	5,428.13	2,071.65	481.42	33.14	514.56	8,014.33
D19	Special Room Ward (200 Yr memory)	6,463.67	714.66	157.86	120.00	277.86	7,456.19
D20	Pediatric Ward	5,464.05	1,045.65	121.44	357.41	478.84	6,988.53
D21	ICU Ward (Ped+Surg)	6,779.60	4,531.58	1,746.87	166.76	1,913.63	13,224.82
D22	EENT. Ward	4,807.69	627.47	131.62	0.00	131.62	5,566.78
D23	Rutrungsan Ward Fr-1 (Surgical)	5,094.98	631.02	43.82	8.67	52.49	5,778.49
E03	Community Medical Services Department	9,806.83	237.56	82.38	9.57	91.95	10,136.34
E04	Health Education Department	3,308.58	95.43	42.09	0.00	42.09	3,446.10
	Total	252,138.66	126,185.24	31,681.93	7,636.05	39,317.98	417,641.88

Percentage of Labor cost : Material cost : Capital cost = 60.37 : 30.21 : 9.41

TABLE C2 Total Cost of NRPCC and RPCC in Nan General Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	64,690.33	6,499.35	71,189.68
A02	Medical record and Statistics	2,527.47	1,066.02	3,593.49
A03	Food and Nutrition Department	3,540.91	2,195.71	5,736.62
A05	Nurses Administration Department	10,256.17	3,896.93	14,153.10
A06	Maintenance and Material Supply	3,139.20	1,038.37	4,177.57
A07	Laundry	14,929.02	7,405.39	22,334.41
A08	Academic & Quality Control	6,172.33	3,360.42	9,532.74
A09	Central Supply Department	6,141.53	2,354.42	8,495.96
B01	Pharmacy Department	8,456.11	1,832.66	10,288.77
B02	Laboratory Department	21,368.53	6,850.45	28,218.98
B03	Radiation Department	18,425.72	5,727.15	24,152.87
B04	Operation Room	16,736.59	1,666.95	18,403.53
B05	Labor Room	7,032.95	7,166.08	14,199.04
B06	Rehabilitation Department	23,977.39	14,415.77	38,393.16
	Total	207,394.25	65,475.66	272,869.92

TABLE C3 Total Indirect Cost of PS and NPS in Nan General Hospital (Based on Market Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	A06	A07	A08	B01	B02	B03	B04	B05	B06	TIDC
C01	2,410.29	24.44	1.74	467.22	1,079.49	1,037.20	12.34	0.00	5,732.37	22,822.89	6,696.57	1,795.04	0.00	0.00	42,079.58
C02	2,754.62	27.44	233.55	533.96	415.39	1,310.15	1,608.85	0.00	0.00	229.40	291.24	0.00	0.00	0.00	7,404.60
C03	1,291.23	16.77	181.94	250.29	119.55	0.00	149.35	0.00	0.00	0.00	206.75	0.00	0.00	0.00	2,215.88
D06	1,549.47	9.82	281.53	300.35	42.19	655.07	916.02	615.39	644.86	295.21	220.45	355.15	0.00	3,948.45	9,833.98
D07	1,205.15	10.61	279.67	233.61	39.74	491.30	535.26	486.25	457.65	423.46	191.20	291.15	0.00	4,684.48	9,329.54
D08	1,377.31	15.01	310.44	266.98	31.52	545.89	248.87	516.13	417.25	116.41	195.11	1,281.73	0.00	4,118.46	9,441.11
D09	1,291.23	15.13	289.49	250.29	31.91	545.89	264.95	467.99	367.18	115.00	175.69	1,166.45	0.00	2,987.23	7,968.44
D10	1,205.15	21.84	259.71	233.61	8.35	600.48	89.82	145.75	8.38	33.25	198.09	0.00	0.00	462.53	3,266.96
D11	946.90	18.29	282.04	183.55	4.03	382.13	52.17	231.15	0.00	0.00	86.58	0.00	0.00	0.00	2,186.84
D12	1,377.31	9.30	362.33	266.98	23.29	600.48	247.93	355.86	90.88	171.40	161.03	0.00	14,199.04	2,341.27	20,207.09
D13	1,635.55	12.34	299.72	317.04	45.23	764.25	500.76	462.50	498.76	545.14	282.81	107.20	0.00	2,661.77	8,133.07
D14	2,410.29	28.00	344.74	467.22	28.73	1,255.56	527.83	395.81	333.45	193.21	336.49	109.37	0.00	4,003.37	10,434.07
D15	1,635.55	17.23	254.27	317.04	47.12	764.25	398.37	485.35	522.26	680.51	326.71	39.46	0.00	2,841.19	8,329.32
D16	1,721.64	91.65	334.22	333.73	41.31	818.84	395.89	455.67	545.70	675.52	297.53	35.42	0.00	2,873.43	8,620.55
D17	3,098.95	110.26	332.70	600.71	15.62	1,583.09	730.79	254.15	262.37	212.45	1,809.98	132.68	0.00	1,982.67	11,126.42
D18	1,635.55	9.02	263.36	317.04	45.17	764.25	278.25	432.43	409.93	554.00	726.48	73.02	0.00	2,366.83	7,875.32
D19	1,377.31	27.01	282.06	266.98	19.99	600.48	507.35	452.73	424.82	466.11	159.82	30.14	0.00	2,070.48	6,685.28
D20	1,807.72	27.68	328.74	350.41	68.02	818.84	223.26	435.77	228.06	303.87	278.81	0.00	0.00	2,144.18	7,015.36
D21	2,065.96	98.94	180.20	400.47	6.76	1,037.20	729.57	138.42	83.47	57.88	1,288.19	73.64	0.00	1,067.57	7,228.29
D22	1,032.98	17.75	255.55	200.24	32.13	491.30	128.41	266.37	129.55	163.26	162.99	0.00	0.00	5,916.25	8,796.80
D23	1,032.98	9.93	225.90	200.24	5.82	436.72	330.38	76.57	49.06	53.62	193.99	148.52	0.00	1,011.94	3,775.67
E03	2,926.78	15.94	13.20	567.33	0.00	818.84	21.55	0.00	0.00	0.00	26.67	0.00	0.00	0.00	4,390.31
E04	688.65	9.20	0.00	133.49	0.00	218.36	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	1,049.79

TABLE C4 Total Cost of PS and NPS in Nan General Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Outpatients Department	38,220.56	42,079.58	80,300.14
C02	Emergency Room	16,444.85	7,404.60	23,849.45
C03	Dental health Department	5,828.20	2,215.88	8,044.07
D06	Male Surgical Ward	7,329.36	9,833.98	17,163.35
D07	Female Surgical Ward	6,278.80	9,329.54	15,608.34
D08	Male Orthopedics Ward	6,105.76	9,441.11	15,546.87
D09	Female Orthopedics Ward	5,592.54	7,968.44	13,560.98
D10	Nursery Ward	4,702.69	3,266.96	7,969.65
D11	Post Patum Ward	4,575.36	2,186.84	6,762.20
D12	Obs-Gynae Ward	6,627.33	20,207.09	26,834.42
D13	Ratanurak Ward Fr-2	7,630.16	8,133.07	15,763.23
D14	Ratanurak Ward Fr-1	5,093.91	10,434.07	15,527.98
D15	Pitakthai Ward Fr-2	7,111.16	8,329.32	15,440.48
D16	Pitakthai Ward Fr-1	8,537.46	8,620.55	17,158.01
D17	ICU Ward (Med+Surg) Chayanan Fr-1	19,557.90	11,126.42	30,684.32
D18	Chayanan Ward Fr-2	8,014.33	7,875.32	15,889.66
D19	Special Room Ward (200 Yr memory)	7,456.19	6,685.28	14,141.47
D20	Pediatric Ward	6,988.53	7,015.36	14,003.90
D21	ICU Ward (Ped+Surg)	13,224.82	7,228.29	20,453.10
D22	EENT. Ward	5,566.78	8,796.80	14,363.58
D23	Rutrungsan Ward Fr-1 (Surg)	5,778.49	3,775.67	9,554.16
E03	Community Medical Services Department	10,136.34	4,390.31	14,526.65
E04	Health Education Department	3,446.10	1,049.79	4,495.89
	Total	210,247.62	207,394.25	417,641.88

TABLE C5 Total Cost and Unit Cost of PS and NPS in Nan General Hospital (Based on Market Wage)

unit: baht

Code	Outpatients Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	80,300,138	108,647	739		
C02	Emergency Room	23,849,447	41,808	570		
C03	Dental health Department	8,044,074	12,032	669		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D06	Male Surgical Ward	17,163,346	2,123	8,084	12,337	1,391
D07	Female Surgical Ward	15,608,337	2,000	7,804	9,748	1,601
D08	Male Orthopedics Ward	15,546,866	1,586	9,803	10,347	1,503
D09	Female Orthopedics Ward	13,560,981	1,606	8,444	9,382	1,445
D10	Nursery Ward	7,969,648	420	18,975	2,922	2,727
D11	Post Partum Ward	6,762,196	203	33,311	4,634	1,459
D12	Obs-Gynae Ward	26,834,420	1,172	22,896	7,134	3,761
D13	Ratanurak Ward Fr-2	15,763,231	2,276	6,926	9,272	1,700
D14	Ratanurak Ward Fr-1	15,527,979	1,446	10,739	7,935	1,957
D15	Pitakthai Ward Fr-2	15,440,484	2,371	6,512	9,730	1,587
D16	Pitakthai Ward Fr-1	17,158,009	2,079	8,253	9,135	1,878
D17	ICU Ward (Med+Surg) Chayanan Fr-1	30,684,319	786	39,039	5,095	6,022
D18	Chayanan Ward Fr-2	15,889,658	2,273	6,991	8,669	1,833
D19	Special Room Ward (200 Yr memory)	14,141,467	1,006	14,057	9,076	1,558
D20	Pediatric Ward	14,003,896	3,423	4,091	8,736	1,603
D21	ICU Ward (Ped+Surg)	20,453,105	340	60,156	2,775	7,370
D22	EENT. Ward	14,363,576	1,617	8,883	5,340	2,690
D23	Rutrungsan Ward Fr-1 (Surg)	9,554,157	293	32,608	1,535	6,224
	Total IPD	286,425,674	25,870	11,072	133,802	2,141



TABLE C6 Total Direct Cost in Pua Crown Prince Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Administration Department	8,942.52	9,638.19	791.54	1,678.36	2,469.89	21,050.60
A02	Medical Record	507.56	34.32	30.09	25.73	55.82	597.70
A03	Nutrition	166.38	605.18	24.77	29.45	54.22	825.79
A04	Laundry and Supply	1,181.95	352.75	8.29	39.23	47.52	1,582.22
A05	Nursing Department	1,478.13	20.10	4.71	0.40	5.11	1,503.35
B01	Pharmacist	2,633.98	81.71	28.15	40.21	68.36	2,784.05
B02	Laboratory	1,610.82	81.96	42.92	25.02	67.94	1,760.72
B03	Radiation	471.99	146.94	338.28	73.90	412.17	1,031.10
B04	Operation Room	2,011.74	373.61	116.52	90.14	206.66	2,592.01
B05	Labor Room	1,901.56	208.37	154.82	78.33	233.16	2,343.09
C01	Out Of Patient Department	5,650.37	6,953.52	97.37	63.39	160.76	12,764.65
C02	Emergency Department	3,176.77	1,083.07	55.23	473.05	528.28	4,788.12
C03	Dentist Department	1,928.87	494.85	50.14	23.58	73.72	2,497.43
D02	Female Ward	2,649.31	338.13	50.63	115.36	165.99	3,153.43
D03	Male ward	2,430.23	330.38	57.04	126.67	183.71	2,944.33
D04	ICU	2,132.52	522.85	77.47	107.08	184.55	2,839.92
D05	Pediatric	1,238.14	238.22	52.36	113.33	165.69	1,642.05
E01	Health Promotion Department	1,384.87	295.56	31.47	76.37	107.84	1,788.27
E02	Sanitation Department	660.21	342.84	31.47	76.37	89.73	1,092.78
	<b>Total</b>	<b>42,157.89</b>	<b>22,142.57</b>	<b>2,043.26</b>	<b>3,255.99</b>	<b>5,281.13</b>	<b>69,581.60</b>

Percentage of Labor cost : Material cost : Capital cost = 60.59 : 31.82 : 7.59

TABLE C7 Total Cost of NRPCC and RPCC in Pua Crown Prince Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	21,050.60	124.69	21,175.29
A02	Medical Record	597.70	140.61	738.30
A03	Nutrition	825.79	284.20	1,109.98
A04	Laundry and Supply	1,582.22	1,023.20	2,605.42
A05	Nursing Department	1,503.35	1,406.06	2,909.41
B01	Pharmacist	2,784.05	1,686.91	4,470.95
B02	Laboratory	1,760.72	1,013.13	2,773.85
B03	Radiation	1,031.10	482.63	1,513.73
B04	Operation Room	2,592.01	1,411.46	4,003.47
B05	Labor Room	2,343.09	2,620.99	4,964.08

TABLE C8 Total Indirect Cost of PS and NPS in Pua Crown Prince Hospital (Based on Market Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	B01	B02	B03	B04	B05	TIDC
C01	2,664.44	377.47	0.00	92.45	374.07	2,519.46	764.86	395.80	363.09	0.00	7,551.64
C02	1,542.57	60.04	0.00	156.57	290.94	419.04	360.08	214.87	422.85	0.00	3,466.98
C03	1,262.10	28.86	0.00	205.04	207.82	201.30	218.31	130.37	206.37	0.00	2,460.16
D02	1,823.04	77.15	335.86	502.97	415.63	190.93	240.27	148.14	589.92	4,964.08	9,288.00
D03	2,103.51	85.97	374.23	560.43	457.19	192.01	287.41	172.94	711.06	0.00	4,944.74
D04	1,542.57	39.76	173.06	259.16	332.50	307.95	386.10	224.24	682.60	0.00	3,947.94
D05	560.93	52.11	226.83	339.69	124.69	202.21	236.81	129.90	442.60	0.00	2,315.76
E01	841.40	9.53	0.00	18.64	41.56	83.21	43.51	0.00	0.00	0.00	1,037.85
E02	701.17	7.42	0.00	18.64	41.56	82.69	125.47	80.58	0.00	0.00	1,057.53

TABLE C9 Total Cost of PS and NPS in Pua Crown Prince Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Out Of Patient Department	12,764.65	7,551.64	20,316.29
C02	Emergency Department	4,788.12	3,466.98	8,255.10
C03	Dentist Department	2,497.43	2,460.16	4,957.60
D02	Female Ward	3,153.43	9,288.00	12,441.43
D03	Male ward	2,944.33	4,944.74	7,889.07
D04	ICU	2,839.92	3,947.94	6,787.87
D05	Pediatric	1,642.05	2,315.76	3,957.81
E01	Health Promotion Department	1,788.27	1,037.85	2,826.13
E02	Sanitation Department	1,092.78	1,057.53	2,150.30
	<b>Total</b>	<b>33,510.98</b>	<b>36,070.61</b>	<b>69,581.60</b>

TABLE C10 Total Cost and Unit Cost of PS and NPS in Pua Crown Prince Hospital (Based on Market Wage)

unit: baht

Code	Outpatients Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	20,316,292	99,013	205		
C02	Emergency Room	8,255,100	15,750	524		
C03	Dental health Department	4,957,598	7,569	655		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D02	Female Ward	12,441,426	2,336	7,826	8,994.00	1,347
D03	Male ward	7,889,072	2,457	7,577	9,237.00	1,555
D04	ICU	6,787,867	822	9,495	7,094	1,455
D05	Pediatric	3,957,812	1,714	8,146	8,117	1,394
	Total IPD	31,076,177	7,329	4,240	33,442	929

TABLE C11 Total Direct Cost in Tungchang Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Administration Department	1,009.99	2,328.50	156.83	946.70	1,103.52	4,442.02
A02	Medical Record	153.68	7.55	23.51	28.20	51.71	212.94
A03	Nutrition	140.11	79.25	8.56	10.02	18.58	237.94
A04	Laundry and Supply	122.22	56.48	14.89	2.48	17.37	196.06
A05	Nursing Department	209.71	15.00	3.85	27.00	30.85	255.55
B01	Pharmacist	1,397.30	69.58	15.01	45.16	60.18	1,527.05
B02	Laboratory	579.84	121.92	78.56	47.24	125.80	827.55
B03	Radiation	230.20	97.71	405.00	28.20	433.20	761.11
B04	Operation Room	567.10	107.82	18.12	36.61	54.73	729.65
B05	Labor Room	910.61	80.71	20.35	59.41	79.76	1,071.08
C01	Out Of Patient Department	4,045.80	1,580.82	27.03	219.91	246.93	5,873.56
C02	Emergency Department	971.00	158.25	18.78	41.02	59.80	1,189.04
C03	Dentist Department	1,301.93	215.95	35.09	70.60	105.69	1,623.57
D01	In-Patient Department	3,345.52	1,281.70	29.00	167.69	196.69	4,823.91
E01	Health Promotion Department	766.90	160.53	103.59	210.10	313.70	1,241.12
E02	Sanitation Department	780.93	44.04	10.48	205.43	215.91	1,040.87
	Total	16,532.82	6,405.80	968.65	2,145.76	3,114.41	26,053.02

Percentage of Labor cost : Material cost : Capital cost = 63.46 : 24.59 : 11.95

TABLE C12 Total Cost of NRPC and RPCC in Tungchang Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	4,442.02	0.25	4,442.27
A02	Medical Record	212.94	71.90	284.84
A03	Nutrition	237.94	144.57	382.51
A04	Laundry and Supply	196.06	71.65	267.71
A05	Nursing Department	255.55	71.90	327.46
B01	Pharmacist	1,527.05	432.44	1,959.49
B02	Laboratory	827.55	432.39	1,259.94
B03	Radiation	761.11	216.95	978.06
B04	Operation Room	729.65	165.83	895.48
B05	Labor Room	1,071.08	599.53	1,670.61

TABLE C13 Total Indirect Cost of PS and NPS in Tungchang Hospital (Based on Market Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	B01	B02	B03	B04	B05	TIDC
C01	644.85	205.47	0.00	22.86	50.38	1,092.78	778.40	372.34	191.88	0.00	3,358.95
C02	286.60	4.49	0.00	39.62	37.78	37.27	46.47	246.56	48.62	0.00	747.42
C03	429.90	20.08	0.00	3.81	0.00	468.69	7.62	31.19	81.29	0.00	1,042.58
D01	931.44	29.28	382.51	88.90	138.54	99.97	357.60	265.68	379.22	1,670.61	4,343.75
E01	286.60	21.87	0.00	2.54	25.19	56.71	7.65	32.84	0.00	0.00	433.40
E02	286.60	3.27	0.00	2.54	25.19	0.00	5.28	11.98	0.00	0.00	334.85



TABLE C14 Total Cost of PS and NPS in Tungchang Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Out Of Patient Department	5,873.56	3,358.95	9,232.51
C02	Emergency Department	1,189.04	747.42	1,936.46
C03	Dentist Department	1,623.57	1,042.58	2,666.15
D01	In-Patient Department	4,823.91	4,343.75	9,167.65
E01	Health Promotion Department	1,241.12	433.40	1,674.52
E02	Sanitation Department	1,040.87	334.85	1,375.72
	<b>Total</b>	<b>15,792.07</b>	<b>10,260.95</b>	<b>26,053.02</b>

TABLE C15 Total Cost and Unit Cost of PS and NPS in Tungchang Hospital (Based on Market Wage)

unit: baht

Code	Outpatients Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	9,232,514	46,495	199		
C02	Emergency Room	1,936,465	3,716	521		
C03	Dental health Department	2,666,152	4,544	587		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D01	In-patient Department (WARD)	9,167,651	3,313	2,767	9,022	1,016
	Total IPD	9,167,651	3,313	2,767	9,022	1,016

TABLE C16 Total Direct Cost in Songkwae Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	Total Labor Cost	Total Material Cost	Total Capital Cost with Depreciated			TDC
				Durable Equipment	Building	Total CC	
A01	Administration Department	1,336.97	766.42	127.04	623.26	750.30	2,853.69
A02	Medical Record	147.09	1.67	13.86	11.69	25.55	174.30
A03	Nutrition	79.96	4.25	3.56	0.00	3.56	87.77
A04	Laundry and Supply	82.36	16.54	9.70	0.00	9.70	108.60
A05	Nursing Department	52.43	0.85	0.75	18.19	18.94	72.22
B01	Pharmacist	1,306.10	39.02	7.01	41.46	48.47	1,393.60
B02	Laboratory	169.48	56.34	73.76	28.63	102.39	328.20
B03	Radiation	129.16	43.89	400.00	14.93	414.93	587.99
B04	Operation Room	480.86	32.50	0.12	22.02	22.14	535.50
B05	Labocr Room	385.80	46.40	11.35	24.12	35.47	467.67
C01	Out Of Patient Department	1,774.95	773.72	11.44	59.08	70.51	2,619.18
C02	Emergency Department	675.87	150.10	63.81	21.60	85.41	911.38
C03	Dentist Department	732.92	274.32	9.97	36.29	46.26	1,053.51
C04	In-Patient Department	1,245.49	449.72	9.74	73.54	83.28	1,778.49
E01	Health Promotion Department	935.92	91.59	22.61	56.79	79.40	1,106.91
E02	Sanitation Department	160.99	2.90	0.48	18.74	19.22	183.11
	<b>Total</b>	<b>9,696.35</b>	<b>2,750.23</b>	<b>765.20</b>	<b>1,050.33</b>	<b>1,815.53</b>	<b>14,262.11</b>

Percentage of Labor cost : Material cost : Capital cost = 67.99 : 19.28 : 12.73

TABLE C17 Total Cost of NRPC and RPCC in Songkwae Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
A01	Administration Department	2,853.69	0.00	2,853.69
A02	Medical Record	174.30	73.17	247.48
A03	Nutrition	87.77	73.17	160.94
A04	Laundry and Supply	108.60	73.17	181.77
A05	Nursing Department	72.22	73.17	145.39
B01	Pharmacist	1,393.60	365.86	1,759.45
B02	Laboratory	328.20	197.24	525.44
B03	Radiation	587.99	125.44	713.43
B04	Operation Room	535.50	176.63	712.13
B05	Labor Room	467.67	725.42	1,193.09

TABLE C18 Total Indirect Cost of PS and NPS in Songkwae Hospital (Based on Market Wage)

unit: thousand baht

Code	A01	A02	A03	A04	A05	B01	B02	B03	B04	B05	TIDC
C01	146.34	174.02	0.00	3.56	19.39	981.22	210.58	167.94	77.16	0.00	1,780.21
C02	219.51	30.12	0.00	89.75	19.39	33.47	22.87	239.78	84.39	0.00	739.28
C03	439.03	21.58	0.61	13.96	0.00	420.84	0.00	30.34	0.00	0.00	926.35
D01	365.86	21.76	160.34	14.96	38.77	89.77	116.23	258.37	68.32	1,193.09	2,327.46
E01	365.86	0.00	0.00	7.12	29.08	50.92	92.04	0.00	0.00	0.00	545.02
E02	219.51	0.00	0.00	0.00	0.00	0.00	71.69	0.00	0.00	0.00	291.20

TABLE C19 Total Cost of PS and NPS in Songkwae Hospital (Based on Market Wage)

unit: thousand baht

Code	Cost Centers	TDC	IDC	Total Cost
C01	Out Of Patient Department	2,619.18	1,780.21	4,399.39
C02	Emergency Department	911.38	739.28	1,650.66
C03	Dentist Department	1,053.51	926.35	1,979.86
D01	In-Patient Department	1,778.49	2,327.46	4,105.96
E01	Health Promotion Department	1,106.91	545.02	1,651.93
E02	Sanitation Department	183.11	291.20	474.31
	<b>Total</b>	<b>7,652.58</b>	<b>6,609.53</b>	<b>14,262.11</b>

TABLE C20 Total Cost and Unit Cost of PS and NPS in Songkwae Hospital (Based on Market Wage)

unit: baht

Code	Outpatients Services	Total Cost	Out-patient visit	Unit cost (Baht/visit)		
C01	Outpatients Department	4,399,392	20,567	214		
C02	Emergency Room	1,650,661	3,560	464		
C03	Dental health Department	1,979,858	2,548	777		
Code	In-patient Services	Total Cost	In-patient case	Unit cost (Baht/case)	In-patient day	Unit cost (Baht/day)
D01	In-patient Department (WARD)	4,105,955	1,292	3,178	3,175	1,293
	Total IPD	4,105,955	1,292	3,178	3,175	1,293

APPENDIX D  
COST CALCULATION OF HEALTH CENTERS  
(BASED ON MARKET WAGE)



TABLE D1 Total Direct Cost of Chondan Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	98.75	173.37	117.92	74.91	192.83	464.95
2. Information management	26.41	5.50	7.34	7.79	15.13	47.04
3. Medical treatment	79.35	117.31	29.83	33.76	63.58	260.24
4. Maternal and child health services	34.30	3.31	-	5.19	5.19	42.80
5. Family planning clinic	34.30	10.77	-	5.19	5.19	50.26
6. EPI clinic	49.47	18.93	0.29	5.19	5.48	73.89
7. Health education	55.21	2.50	-	0.65	0.65	58.37
8. School health promotion	35.61	2.50	-	0.65	0.65	38.77
9. Community health service	26.41	10.00	-	9.96	9.96	46.37
10. Sanitary & prevention and diseases control	41.35	10.50	0.40	1.31	1.71	53.56
<b>Total</b>	<b>481.16</b>	<b>354.70</b>	<b>155.78</b>	<b>144.61</b>	<b>300.39</b>	<b>1,136.25</b>

Percentage of Labor cost : Material cost : Capital cost = 42.35 : 31.21 : 26.44

Note : LC = Labor Cost

MC = Material Cost

CC = Capital Cost

TDC = Total Direct Cost

TABLE D2 Total Indirect Cost of Chondan Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	98.75	173.37	192.83	464.95	-	-	-	-	-	-
2. Information management	26.41	5.50	15.13	47.04	-	-	-	-	-	-
3. Medical treatment	79.35	117.31	63.58	260.24	260.24	0.42	52.18	74.57	86.70	213.44
4. Maternal and child health services	34.30	3.31	5.19	42.80	42.80	0.07	8.58	12.26	14.26	35.11
5. Family planning clinic	34.30	10.77	5.19	50.26	50.26	0.08	10.08	14.40	16.74	41.22
6. EPI clinic	49.47	18.93	5.48	73.89	73.89	0.12	14.81	21.17	24.62	60.60
7. Health education	55.21	2.50	0.65	58.37	58.37	0.09	11.70	16.72	19.44	47.87
8. School health promotion	35.61	2.50	0.65	38.77	38.77	0.06	7.77	11.11	12.91	31.80
9. Community health service	26.41	10.00	9.96	46.37	46.37	0.07	9.30	13.29	15.45	38.03
10. Sanitary & prevention and diseases control	41.35	10.50	1.71	53.56	53.56	0.09	10.74	15.35	17.84	43.93
<b>Total</b>	<b>481.16</b>	<b>354.70</b>	<b>300.39</b>	<b>1,136.25</b>	<b>624.26</b>	<b>1.00</b>	<b>125.16</b>	<b>178.87</b>	<b>207.96</b>	<b>512.00</b>

Note :  
 LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE D3 Total Cost and Unit Cost of Chondan Health Center (Based on Market Wage)

unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	131.53	191.88	150.28	473.69	12,155	Visits	11	16	12	39
4. Maternal and child health services	42.88	15.58	19.45	77.91	456	Visits	94	34	43	171
5. Family planning clinic	44.38	25.17	21.94	91.48	551	Visits	81	46	40	166
6. EPI clinic	64.29	40.11	30.10	134.49	1,547	Visits	42	26	19	87
7. Health education	66.91	19.22	20.10	106.23	146	Times	458	132	138	728
8. School health promotion	43.38	13.61	13.57	70.56						
9. Community health service	35.71	23.29	25.40	84.39						
10. Sanitary & prevention and diseases control	52.09	25.85	19.55	97.48						
<b>Total</b>	<b>481.16</b>	<b>354.70</b>	<b>300.39</b>	<b>1,136.25</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

TABLE D4 Total Direct Cost of Numripattana Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	22.82	103.50	96.00	52.42	148.42	274.74
2. Information management	24.00	2.50	7.20	4.33	11.53	38.03
3. Medical treatment	25.49	110.00	0.90	27.08	27.98	163.47
4. Maternal and child health services	18.56	11.00		4.33	4.33	33.89
5. Family planning clinic	21.16	8.80		4.33	4.33	34.29
6. EPI clinic	22.89	32.30	0.32	4.33	4.65	59.84
7. Health education	22.71	4.50		2.71	2.71	29.92
8. School health promotion	22.82	5.50		2.71	2.71	31.03
9. Community health service	22.96	14.50		4.33	4.33	41.79
10. Sanitary & prevention and diseases control	25.49	7.30		5.42	5.42	38.21
Total	228.91	299.90	104.42	112.00	216.42	745.23

Percentage of Labor cost : Material cost : Capital cost = 30.72 : 40.24 : 29.04

Note : LC = Labor Cost

MC = Material Cost

CC = Capital Cost

TDC = Total Direct Cost

TABLE D5 Total Indirect Cost of Numripallana Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	22.82	103.50	148.42	274.74	-	-	-	-	-	-
2. Information management	24.00	2.50	11.53	38.03	-	-	-	-	-	-
3. Medical treatment	25.49	110.00	27.98	163.47	163.47	0.38	17.70	40.07	60.46	118.23
4. Maternal and child health services	18.56	11.00	4.33	33.89	33.89	0.08	3.67	8.31	12.53	24.51
5. Family planning clinic	21.16	8.80	4.33	34.29	34.29	0.08	3.71	8.41	12.68	24.80
6. EPI clinic	22.89	32.30	4.65	59.84	59.84	0.14	6.48	14.67	22.13	43.28
7. Health education	22.71	4.50	2.71	29.92	29.92	0.07	3.24	7.33	11.07	21.64
8. School health promotion	22.82	5.50	2.71	31.03	31.03	0.07	3.36	7.61	11.48	22.44
9. Community health service	22.96	14.50	4.33	41.79	41.79	0.10	4.53	10.24	15.46	30.23
10. Sanitary & prevention and diseases control	25.49	7.30	5.42	38.21	38.21	0.09	4.14	9.37	14.13	27.63
<b>Total</b>	<b>228.91</b>	<b>299.90</b>	<b>216.42</b>	<b>745.23</b>	<b>432.45</b>	<b>1.00</b>	<b>46.82</b>	<b>106.00</b>	<b>159.95</b>	<b>312.77</b>

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE D6 Total Cost and Unit Cost of Numripattana Health Center (Based on Market Wage)

unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	43.19	150.07	88.45	281.71	8,660	Visits	5	17	10	33
4. Maternal and child health services	22.23	19.31	16.87	58.40	440	Visits	51	44	38	133
5. Family planning clinic	24.87	17.21	17.02	59.09	400	Visits	62	43	43	148
6. EPI clinic	29.37	46.97	26.79	103.13	1,500	Visits	20	31	18	69
7. Health education	25.95	11.83	13.78	51.57	43	Times	604	275	320	1,199
8. School health promotion	26.18	13.11	14.19	53.47						
9. Community health service	27.48	24.74	19.79	72.02						
10. Sanitary & prevention and diseases control	29.63	16.67	19.55	65.84						
<b>Total</b>	<b>228.91</b>	<b>299.90</b>	<b>216.42</b>	<b>745.23</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

TABLE D7 Total Direct Cost of Pon Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	81.36	147.27	1.02	63.47	64.49	293.13
2. Information management	23.79	5.50	7.10	5.19	12.29	41.58
3. Medical treatment	82.86	108.56		35.70	35.70	227.12
4. Maternal and child health services	11.55	0.00		5.19	5.19	16.74
5. Family planning clinic	18.18	3.29		5.19	5.19	26.66
6. EPI clinic	20.81	18.54		5.19	5.19	44.55
7. Health education	20.81	2.50		3.25	3.25	26.56
8. School health promotion	20.81	2.50		3.25	3.25	26.56
9. Community health service	35.51	25.00		13.50	13.50	74.01
10. Sanitary & prevention and diseases control	47.99	5.20		6.49	6.49	59.68
<b>Total</b>	<b>363.68</b>	<b>318.36</b>	<b>8.12</b>	<b>146.43</b>	<b>154.55</b>	<b>836.60</b>

Percentage of Labor cost : Material cost : Capital cost = 43.47 : 38.05 : 18.48

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE D8 Total Indirect Cost of Pon Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	81.36	147.27	64.49	293.13	-		-	-	-	-
2. Information management	23.79	5.50	12.29	41.58	-		-	-	-	-
3. Medical treatment	82.86	108.56	35.70	227.12	227.12	0.45	47.58	69.13	34.75	151.46
4. Maternal and child health services	11.55	-	5.19	16.74	16.74	0.03	3.51	5.10	2.56	11.17
5. Family planning clinic	18.18	3.29	5.19	26.66	26.66	0.05	5.59	8.12	4.08	17.78
6. EPI clinic	20.81	18.54	5.19	44.55	44.55	0.09	9.33	13.56	6.82	29.71
7. Health education	20.81	2.50	3.25	26.56	26.56	0.05	5.56	8.08	4.06	17.71
8. School health promotion	20.81	2.50	3.25	26.56	26.56	0.05	5.56	8.08	4.06	17.71
9. Community health service	35.51	25.00	13.50	74.01	74.01	0.15	15.51	22.53	11.32	49.36
10. Sanitary & prevention and diseases control	47.99	5.20	6.49	59.68	59.68	0.12	12.50	18.17	9.13	39.80
<b>Total</b>	<b>363.68</b>	<b>318.36</b>	<b>154.55</b>	<b>836.60</b>	<b>501.89</b>	<b>1.00</b>	<b>105.15</b>	<b>152.77</b>	<b>76.79</b>	<b>334.71</b>

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost



TABLE D9 Total Cost and Unit Cost of Pon Health Center (Based on Market Wage)

unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	130.44	177.69	70.45	378.58	7,860	Visits	17	23	9	48
4. Maternal and child health services	15.06	5.10	7.75	27.91	144	Visits	105	35	54	194
5. Family planning clinic	23.77	11.40	9.27	44.45	685	Visits	35	17	14	65
6. EPI clinic	30.15	32.10	12.01	74.26	794	Visits	38	40	15	94
7. Health education	26.38	10.58	7.31	44.27	12	Times	2,198	882	609	3,689
8. School health promotion	26.38	10.58	7.31	44.27						
9. Community health service	51.02	47.53	24.82	123.37						
10. Sanitary & prevention and diseases control	60.50	23.37	15.62	99.49						
<b>Total</b>	<b>363.68</b>	<b>318.36</b>	<b>154.55</b>	<b>836.60</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

TABLE D10 Total Direct Cost of Ngob Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	65.22	159.69	2.78	78.31	81.09	306.00
2. Information management	33.42	5.50	5.56	7.09	12.65	51.57
3. Medical treatment **	89.85	142.06	5.00	34.03	39.03	270.93
4. Maternal and child health services	17.54	6.20	1.00	2.84	3.84	27.58
5. Family planning clinic	19.20	8.10	0.00	2.84	2.84	30.14
6. EPI clinic	22.68	23.51	0.10	2.84	2.94	49.12
7. Health education	22.63	1.75	0.00	2.84	2.84	27.22
8. School health promotion	19.15	7.26	0.00	2.84	2.84	29.25
9. Community health service	17.12	67.50	0.00	7.09	7.09	91.71
10. Sanitary & prevention and diseases control	24.07	31.55	0.00	7.09	7.09	62.71
11. Dental health services	63.56	52.00	1.00	14.18	15.18	130.74
<b>Total</b>	<b>394.45</b>	<b>505.11</b>	<b>15.44</b>	<b>161.96</b>	<b>177.40</b>	<b>1,076.97</b>

Percentage of Labor cost : Material cost : Capital cost = 36.63 : 46.90 : 16.47

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE D11 Total Indirect Cost of Ngob Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	65.22	159.69	81.09	306.00	-	-	-	-	-	-
2. Information management	33.42	5.50	12.65	51.57	-	-	-	-	-	-
3. Medical treatment	89.85	142.06	39.03	270.93	270.93	0.38	37.15	62.21	35.30	134.66
4. Maternal and child health services	17.54	6.20	3.84	27.58	27.58	0.04	3.78	6.33	3.59	13.71
5. Family planning clinic	19.20	8.10	2.84	30.14	30.14	0.04	4.13	6.92	3.93	14.98
6. EPI clinic	22.68	23.51	2.94	49.12	49.12	0.07	6.74	11.28	6.40	24.42
7. Health education	22.63	1.75	2.84	27.22	27.22	0.04	3.73	6.25	3.55	13.53
8. School health promotion	19.15	7.26	2.84	29.25	29.25	0.04	4.01	6.72	3.81	14.54
9. Community health service	17.12	67.50	7.09	91.71	91.71	0.13	12.57	21.06	11.95	45.58
10. Sanitary & prevention and diseases control	24.07	31.55	7.09	62.71	62.71	0.09	8.60	14.40	8.17	31.17
11. Dental health services	63.56	52.00	15.18	130.74	130.74	0.18	17.93	30.02	17.04	64.98
<b>Total</b>	<b>394.45</b>	<b>505.11</b>	<b>177.40</b>	<b>1,076.97</b>	<b>719.40</b>	<b>1.00</b>	<b>98.64</b>	<b>165.19</b>	<b>93.74</b>	<b>357.56</b>

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE D12 Total Cost and Unit Cost of Ngob Health Center (Based on Market Wage)

Unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-	-	-	-	-	-	-
2. Information management	-	-	-	-	-	-	-	-	-	-
3. Medical treatment	126.99	204.27	74.33	405.59	10,207	Visits	12	20	7	40
4. Maternal and child health services	21.33	12.53	7.43	41.29	270	Visits	79	46	28	153
5. Family planning clinic	23.34	15.02	6.76	45.12	1,079	Visits	22	14	6	42
6. EPI clinic	29.42	34.79	9.34	73.54	1,209	Visits	24	29	8	61
7. Health education	26.36	8.00	6.38	40.74	87	Times	303	92	73	468
8. School health promotion	23.16	13.98	6.65	43.79						
9. Community health service	29.69	88.56	19.04	137.29						
10. Sanitary & prevention and diseases control	32.67	45.95	15.26	93.88						
11. Dental health services	81.49	82.02	32.21	195.72						
<b>Total</b>	<b>394.45</b>	<b>505.11</b>	<b>177.40</b>	<b>1,076.97</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

TABLE D13 Total Direct Cost of Hauysatang Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	LC	MC	CC with Depreciated			TDC
			Durable Equipment	Building	Total CC	
1. General administration	34.30	30.10		2.35	2.35	66.75
2. Information management	6.95	1.00	4.70	0.88	5.58	13.54
3. Medical treatment	63.41	107.74	1.40	5.52	6.92	178.07
4. Maternal and child health services	8.25	0.70		1.10	1.10	10.05
5. Family planning clinic	8.25	9.19		1.10	1.10	18.54
6. EPI clinic	8.25	12.57	0.10	1.10	1.20	22.02
7. Health education	8.25	0.00		0.88	0.88	9.13
8. School health promotion	8.25	1.67		0.88	0.88	10.80
9. Community health service	9.55	12.10		0.88	0.88	22.53
10. Sanitary & prevention and diseases control	9.55	16.71		0.88	0.88	27.14
<b>Total</b>	<b>165.00</b>	<b>191.78</b>	<b>6.20</b>	<b>15.60</b>	<b>21.80</b>	<b>378.58</b>

Percentage of Labor cost : Material cost : Capital cost = 43.58 : 50.66 : 5.76

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE D14 Total Indirect Cost of Hauysatang Health Center (Based on Market Wage)

unit: thousand baht

Cost Centers	Total Direct Cost				Cost for %Calculate	Proportion	Indirect Cost			
	LC	MC	CC	TDC			LC	MC	CC	Total IDC
1. General administration	34.30	30.10	2.35	66.75	-	-	-	-	-	-
2. Information management	6.95	1.00	5.58	13.54	-	-	-	-	-	-
3. Medical treatment	63.41	107.74	6.92	178.07	178.07	0.60	24.62	18.56	4.74	47.93
4. Maternal and child health services	8.25	0.70	1.10	10.05	10.05	0.03	1.39	1.05	0.27	2.71
5. Family planning clinic	8.25	9.19	1.10	18.54	18.54	0.06	2.56	1.93	0.49	4.99
6. EPI clinic	8.25	12.57	1.20	22.02	22.02	0.07	3.05	2.30	0.59	5.93
7. Health education	8.25	-	0.88	9.13	9.13	0.03	1.26	0.95	0.24	2.46
8. School health promotion	8.25	1.67	0.88	10.80	10.80	0.04	1.49	1.13	0.29	2.91
9. Community health service	9.55	12.10	0.88	22.53	22.53	0.08	3.12	2.35	0.60	6.06
10. Sanitary & prevention and diseases control	9.55	16.71	0.88	27.14	27.14	0.09	3.75	2.83	0.72	7.30
<b>Total</b>	<b>165.00</b>	<b>191.78</b>	<b>21.80</b>	<b>378.58</b>	<b>298.29</b>	<b>1.00</b>	<b>41.25</b>	<b>31.10</b>	<b>7.94</b>	<b>80.28</b>

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost  
 TDC = Total Direct Cost

TABLE D15 Total Cost and Unit Cost of Hauysatang Health Center (Based on Market Wage)

Unit: Baht

Cost Centers	Total Cost = Direct Cost+Indirect Cost ('000)				Output	Unit	Unit Cost (Baht/Unit)			
	LC	MC	CC	Total Cost			LC	MC	CC	Total
1. General administration	-	-	-	-						
2. Information management	-	-	-	-						
3. Medical treatment	88.03	126.31	11.66	226.00	2,483	Visits	35	51	5	91
4. Maternal and child health services	9.64	1.75	1.37	12.76	49	Visits	197	36	28	260
5. Family planning clinic	10.81	11.12	1.60	23.53	133	Visits	81	84	12	177
6. EPI clinic	11.30	14.86	1.79	27.95	94	Visits	120	158	19	297
7. Health education	9.51	0.95	1.13	11.59	14	Times	679	68	80	828
8. School health promotion	9.74	2.79	1.17	13.71						
9. Community health service	12.66	14.45	1.48	28.59						
10. Sanitary & prevention and diseases control	13.30	19.54	1.61	34.44						
<b>Total</b>	<b>165.00</b>	<b>191.78</b>	<b>21.80</b>	<b>378.58</b>						

Note : LC = Labor Cost  
 MC = Material Cost  
 CC = Capital Cost

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