

PASCAS FOUNDATION (PNG) Inc

PASCAS FOUNDATION (PNG) Inc

INDEX Sheet

STATEMENT of FINANCIAL POSITION	- progressive years	1
STATEMENT of FINANCIAL PERFORMANCE	- progressive years	2
STATEMENT of CASHFLOWS		3
KEY PERFORMANCE INDICATORS (KPI's) A		4
KEY PERFORMANCE INDICATORS (KPI's) B		5
PRODUCTION		6
PROFIT & LOSS		7
FUNDING		8
CAPITAL EXPENDITURE		9
TAXATION RECONCILIATION		10
VALUATION NOTES & LOAN to VALUE RATIOS		11
VALUATION NOTES II		12
CORPORATE RATINGS CRITERIA		13
VALUE BASED MANAGEMENT		14
NOPAT to FUTURE VALE		15
SHAREHOLDER VALUE		16
Monthly Cash Flow		17
Quarterly Cash Flow		18
Financial Factors		19
Building Costs School		20
Building Costs TAFE		21
Building Costs University		22
Building Costs Hospital		23
Hospital Equipment		24
Building Costs Clinics		25
Scholarship Grants		26
Enterprise Agreement		27
Schools Grant 1		28
Schools Grant 2		29
PNG Population Demographic		30
PNG Cities		31
PNG Provinces		32
Map of Consciousness (MoC) 1		33
Map of Consciousness (MoC) 2		34
Map of Consciousness (MoC) 3		35
Map of Consciousness (MoC) 4		36
Feeling-Healing is the Pathway		37
PNG Wages		38
PNG Wages Generally		39
PNG Wages Teachers 1		40
PNG Wages Teachers 2		41
PNG Wages Nurses		42
PNG Wages Doctors		43
PNG Wages Dentists & Optometrists		44
PNG Roads Map		45
PNG Land Ownership		46
Hypothetical Land Value		47
PNG Land Leasing		48
PNG Land Titles System		49
PNG Development Land Required		50
PNG Doctors Nurses Teachers Ratios		51
Teachers		52
Teacher's Qualifications DD-CODE		53
Education Costs		54
PNG Education Fail		55
Dauli - location review example		56
Dauli Google Earth		57
Dauli Mud Map		58
Education Chain		59
PASCAS University		60
University Subjects		61
Chaldi TAFE College		62
Craft Creations		63
Cooperative Enterprises 1 - TAFE Business Developments		64
Cooperative Enterprises 2		65
University Layout		66
Sporting Fields - Universities and Schools		67
Hospital Concept I		68
Hospital Concept II		69
Hospital Concept III		70
Pascas Care Hospital		71
Pascas Hospital Ship		72
Pascas Care Clinic		73
Pascas Mobile & Community		74
Hospitals in PNG		75
Hospitals PNG		76
PNG Health Statistics 1		77
PNG Health Statistics 2		78
PNG Health Statistics 3		79
PNG Health Statistics 4		80
PNG Health Statistics 5		81
PNG Health Statistics 6		82
PNG Health Statistics 7		83
Kokoda Track Foundation		84
Kokoda Track Projects		85
Planpac Architecture		86
Recommended Reading		87
PNG Maps - Madang region		88



PASCAS FOUNDATION (PNG) Inc OPERATING STATEMENT STATEMENT of FINANCIAL PERFORMANCE	2022	2023	2024	\$ = AUD		2027	2
				30 Jun			
				2025	2026		
				AU\$1.00 = USD 0.75			PGK 2.50
REVENUE (being grant subsidy)	\$0	\$78,000	\$403,000	\$15,934,490	\$105,040,110	\$105,365,110	
Less:							
DIRECT COSTS	0	258,616	787,626	15,108,196	98,788,260	100,422,650	
ADMINISTRATION COSTS	0	6,087,790	10,759,165	14,204,797	21,187,006	23,086,281	
PROFIT before STAFF INCENTIVE	0	-6,268,406	-11,143,791	-13,378,503	-14,935,156	-18,143,821	
Less:							
STAFF INCENTIVE	0	0	0	0	0	0	
NET PROFIT CONTRIBUTION	0	-6,268,406	-11,143,791	-13,378,503	-14,935,156	-18,143,821	
before							
Scholarships Granted overseas	0	67,000,000	134,000,000	201,000,000	244,000,000	263,000,000	
PROFIT before Interest & Depreciation	0	-73,268,406	-145,143,791	-214,378,503	-258,935,156	-281,143,821	
Interest	0	0	0	0	0	0	
Depreciation	0	18,710,714	38,647,428	67,680,844	74,222,844	80,764,844	
Other costs - borrowing	0	0	0	0	0	0	
OPERATING PROFIT	0	-91,979,120	-183,791,219	-282,059,347	-333,158,000	-361,908,665	
Income Tax Expense	0	0	0	0	0	0	
PROFIT after Tax	0	-91,979,120	-183,791,219	-282,059,347	-333,158,000	-361,908,665	
TOTAL GRANTS FUNDING received	0	739,700,000	762,800,000	901,700,000	692,500,000	711,800,000	
Less							
Grants previously treated as Revenue	0	-78,000	-403,000	-15,934,490	-105,040,110	-105,365,110	
Dividends Paid	0	0	0	0	0	0	
RETAINED EARNINGS	\$0	\$647,642,880	\$578,605,781	\$603,706,163	\$254,301,890	\$244,526,225	

KEY FINANCIAL DATA	2023	2024	2025	2026	2027
REVENUE	\$78,000	\$403,000	\$15,934,490	\$105,040,110	\$105,365,110
EBITDA	-\$73,268,406	-\$145,143,791	-\$214,378,503	-\$258,935,156	-\$281,143,821
DEPRECIATION	\$18,710,714	\$38,647,428	\$67,680,844	\$74,222,844	\$80,764,844
EBIT	-\$91,979,120	-\$183,791,219	-\$282,059,347	-\$333,158,000	-\$361,908,665
NET CASH GENERATED	-\$73,289,856	-\$145,226,449	-\$217,461,293	-\$276,756,280	-\$281,208,821

PASCAS FOUNDATION (PNG) Inc
PROJECTED CASH FLOW
STATEMENT of CASHFLOWS

	2021	2022	2023	2024	\$ = AUD 2025	30 Jun 2026	2027	3
					AU\$1.00 =	USD 0.75	PGK 2.50	
NET PROFIT		\$0	-\$91,979,120	-\$183,791,219	-\$282,059,347	-\$333,158,000	-\$361,908,665	
Interest		0	0	0	0	0	0	
Depreciation		0	18,710,714	38,647,428	67,680,844	74,222,844	80,764,844	
Prepaid Borrowing Costs		0	0	0	0	0	0	
Increase in Payables - Creditors		0	1,300	5,417	258,858	1,485,094	5,417	
Decrease in Stock & Stores		0	-16,250	-60,992	-2,047,357	-11,880,749	-43,333	
Decrease in Receivables - Debtors		0	-6,500	-27,083	-1,294,291	-7,425,468	-27,083	
CASH FROM OPERATIONS		0	-73,289,856	-145,226,449	-217,461,293	-276,756,280	-281,208,821	
NON DISCRETIONARY EXPENSES								
Creditors - Directors		0	0	0	0	0	0	
Taxation		0	0	0	0	0	0	
Interest		0	0	0	0	0	0	
Principal of Borrowings Repaid		0	0	0	0	0	0	
Borrowings Repaid - current		0						
Borrowings Repaid - noncurrent		0	0					
Total non discretionary		0	0	0	0	0	0	
DISCRETIONARY EXPENSES								
Dividends		0	0	0	0	0	0	
CapEx Land Building Acquisitions		0	467,467,850	468,117,850	394,035,400	163,250,000	163,250,000	
Plant & Equipment		0	100,000	10,100,000	110,600,000	100,000	100,000	
Office Building		0	5,000,000	0	0	0	0	
Housing Accommodation		0	150,000,000	150,000,000	150,000,000	150,000,000	150,000,000	
Intellectual Property		0	0	0	0	0	0	
Other		0						
Borrowing Costs		0	0	0	0	0	0	
Total discretionary		0	-622,567,850	-628,217,850	-654,635,400	-313,350,000	-313,350,000	
FUNDS GENERATED		0	-695,857,706	-773,444,299	-872,096,693	-590,106,280	-594,558,821	
FUNDED by:								
TOTAL GRANTS FUNDING		0	739,700,000	762,800,000	901,700,000	692,500,000	711,800,000	
Loans		0	0	0	0	0	0	
Equity Capital net raising		0	0	0	0	0	0	
Asset Sales		0	0	0	0	0	0	
TOTAL FUNDING		0	739,700,000	762,800,000	901,700,000	692,500,000	711,800,000	
Less								
Grants previously treated as Revenue			-78,000	-403,000	-15,934,490	-105,040,110	-105,365,110	
NET CASH FLOW		0	43,764,294	-11,047,299	13,668,817	-2,646,390	11,876,069	
CLOSING CASH (DEBT)	\$0	\$0	\$43,764,294	\$32,716,995	\$46,385,812	\$43,739,422	\$55,615,491	

PASCAS FOUNDATION (PNG) Inc

\$ = AUD

30 Jun

4

KEY RATIOS

2022

2023

2024

2025

2026

2027

KEY PERFORMANCE INDICATORS (KPI's) A

AU\$1.00 = USD 0.75

PGK 2.50

SALES	\$0	\$78,000	\$403,000	\$15,934,490	\$105,040,110	\$105,365,110
EBIT (earnings before interest & tax)	0	-91,979,120	-183,791,219	-282,059,347	-333,158,000	-361,908,665
Operating profit after Tax (OPAT)	0	-91,979,120	-183,791,219	-282,059,347	-333,158,000	-361,908,665
Total assets	0	647,644,180	1,226,255,378	1,830,220,399	2,086,007,383	2,330,539,024
Total tangible assets	0	647,644,180	1,226,255,378	1,830,220,399	2,086,007,383	2,330,539,024
Net tangible assets (total SHF - intangible assets)	0	647,642,880	1,226,248,661	1,829,954,824	2,084,256,714	2,328,782,939
Total liabilities	0	1,300	6,717	265,575	1,750,669	1,756,085
Shareholders funds	0	647,642,880	1,226,248,661	1,829,954,824	2,084,256,714	2,328,782,939
Finance charges	0	0	0	0	0	0
	8.00%					
RETURN on SALES (EBIT / sales)	0.0%	-117921.9%	-45605.8%	-1770.1%	-317.2%	-343.5%
OPAT / Sales % (opat / sales)	0.0%	-117921.9%	-45605.8%	-1770.1%	-317.2%	-343.5%
Return on Assets % (opat / tangible assets)	0.0%	-14.2%	-15.0%	-15.4%	-16.0%	-15.5%
Return on Equity (EBIT / equity)	#DIV/0!	-14.2%	-15.0%	-15.4%	-16.0%	-15.5%
Liability ratio (total liabilities / equity)	#DIV/0!	0.0%	0.0%	0.0%	0.1%	0.1%
Debt Ratio (total liabilities / total assets)	#DIV/0!	0.0%	0.0%	0.0%	0.1%	0.1%
NET INTEREST COVER (profit+interest+tax+dep/interest)						
Gearing Ratio (total liabilities / tangible assets)	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
Secured Debt ratio (long term debt / equity)	#DIV/0!	0.0%	0.0%	0.0%	0.0%	0.0%
CURRENT RATIO (current assets / current liabilities)	#DIV/0!	33,682.3	4,887.5	187.7	38.0	44.7
Quick Assets Ratio (current assets-stock / current liabilities - OD)	#DIV/0!	33,669.8	4,876.0	179.7	30.0	36.7
Working Capital (current assets - current liabilities)	0	43,785,744	32,821,103	49,572,710	64,747,444	76,688,513
LONG-TERM CREDIT RATING DATA						
EBIT interest coverage (x)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
EBITDA interest coverage (x)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Funds flow/total debt (%)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Free operating cash flow / total debt (%)	#BEZUG!	#BEZUG!	#BEZUG!	#BEZUG!	#BEZUG!	#BEZUG!
Return on capital (%)	-28.4%	-19.6%	-18.5%	-17.0%	-16.4%	
Operating income / sales (%)	-93933.9%	-36015.8%	-1345.4%	-246.5%	-266.8%	
Long-term debt / capital (%)	0.0%	0.0%	0.0%	0.0%	0.0%	
Total debt / capital (incl. STD) (%)	0.0%	0.0%	0.0%	0.0%	0.0%	

PROJECTED - CREDIT RATING RANKING	2023	2024	2025	2026	2027
EBIT interest coverage (x)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
EBITDA interest coverage (x)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Funds flow/total debt (%)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Free operating cash flow / total debt (%)	#BEZUG!	#BEZUG!	#BEZUG!	#BEZUG!	#BEZUG!
Return on capital (%)	<B	<B	<B	<B	<B
Operating income / sales (%)	<B	<B	<B	<B	<B
Long-term debt / capital (%)	AAA	AAA	AAA	AAA	AAA
Total debt / capital (incl. STD) (%)	AAA	AAA	AAA	AAA	AAA

Overall Projected Credit Rating	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
--	---------	---------	---------	---------	---------

PASCAS FOUNDATION (PNG) Inc				\$ = AUD	30 Jun	5
KEY RATIOS	2023	2024	2025	2026	2027	
KEY PERFORMANCE INDICATORS (KPI's) B	AU\$1.00 = USD 0.75					PGK 2.50
Current Assets	\$43,787,044	\$32,827,820	\$49,838,285	\$66,498,113	\$78,444,598	
Fixed Assets	\$603,857,136	\$1,193,427,558	\$1,780,382,114	\$2,019,509,270	\$2,252,094,426	
Total Assets	\$647,644,180	\$1,226,255,378	\$1,830,220,399	\$2,086,007,383	\$2,330,539,024	
Ratio of Current Assets	6.8%	2.7%	2.7%	3.2%	3.4%	
Ratio of Fixed Assets	93.2%	97.3%	97.3%	96.8%	96.6%	
Current Liabilities	\$1,300	\$6,717	\$265,575	\$1,750,669	\$1,756,085	
Long Term Liabilities	\$0	\$0	\$0	\$0	\$0	
Equity	\$647,642,880	\$1,226,248,661	\$1,829,954,824	\$2,084,256,714	\$2,328,782,939	
Total Liabilities	\$647,644,180	\$1,226,255,378	\$1,830,220,399	\$2,086,007,383	\$2,330,539,024	
Equity to Fixed Assets Ratio A equity capital in relation to fixed assets	107.3%	102.8%	102.8%	103.2%	103.4%	
Equity to Fixed Assets Ratio B equity capital + long-term liabilities in relation to fixed assets	107.3%	102.8%	102.8%	103.2%	103.4%	
Debt Ratio	0.0%	0.0%	0.0%	0.1%	0.1%	
Equity Ratio	100.0%	100.0%	100.0%	99.9%	99.9%	
Liquidity						
Cash	\$43,764,294	\$32,716,995	\$46,385,812	\$43,739,422	\$55,615,491	
Receivables - Debtors	\$6,500	\$33,583	\$1,327,874	\$8,753,343	\$8,780,426	
Current Assets	\$43,787,044	\$32,827,820	\$49,838,285	\$66,498,113	\$78,444,598	
Current Liabilities	\$1,300	\$6,717	\$265,575	\$1,750,669	\$1,756,085	
Cash Ratio	3366484.2%	487101.7%	17466.2%	2498.4%	3167.0%	
Quick Ratio	3366984.2%	487601.7%	17966.2%	2998.4%	3667.0%	
Current Ratio	3368234.2%	488751.7%	18766.2%	3798.4%	4467.0%	
WORKING CAPITAL DATA						
Days stock held	72	66	45	45	45	
Days stores held	3	3	3	3	3	
Days debtors	30	30	30	30	30	
Days creditors	6	6	6	6	6	
RETURN on FUNDS INVESTED (ROI)						
LOAN / PROJECT FUNDS required	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	
EBIT	-91,979,120	-183,791,219	-282,059,347	-333,158,000	-361,908,665	
ROI ratio against Funding Request	-919.8%	-1837.9%	-2820.6%	-3331.6%	-3619.1%	
LOAN FUNDS + RETAINED EQUITY	647,642,880	1,226,248,661	1,829,954,824	2,084,256,714	2,328,782,939	
ROI ratio against Loans + Equity	-14.2%	-15.0%	-15.4%	-16.0%	-15.5%	
After Tax Profit before Dividends Paid	647,642,880	578,605,781	603,706,163	254,301,890	244,526,225	
Prior Year retained Equity	0	647,642,880	1,226,248,661	1,829,954,824	2,084,256,714	
ROI based on Prior Year Equity	#DIV/0!	89.3%	49.2%	13.9%	11.7%	
Standard & Poor's ratio for: RETURN ON CAPITAL =	EBIT					
	Average of beginning of year and end of year capital, including short-term debt, current maturities, long-term debt, non-current deferred taxes, and equity.					

PASCAS FOUNDATION (PNG) Inc
PRODUCTION continued:

	loading	Ratio of Administration cost growth				
			0.5	1.0	1.2	1.4	1.6
Salaries - Administration						
RAIT PASCAS Foundation PNG Inc						
DIRECTORS	5	30.0%	\$200,000	\$1,300,000		Directors - Executive
Executive Directors - All Schools, Univerity, Hospitals	3	30.0%	150,000	\$585,000		
Executive Directors - Finance	3	30.0%	100,000	\$390,000		
Executive Human Resources Manager	1	30.0%	120,000	\$156,000		
Human Resources Officers	3	30.0%	85,000	\$331,500		
General Manager	3	30.0%	100,000	\$390,000		
Marketing Manager	1	30.0%	85,000	\$110,500		
Marketing Officers	3	30.0%	85,000	\$331,500		
Sales Manager	3	30.0%	85,000	\$331,500		
Production Manager	3	30.0%	85,000	\$331,500		
Information Technology Manager	1	30.0%	85,000	\$110,500		
Information Technology Officers	3	30.0%	85,000	\$331,500		
Technical Engineer	3	30.0%	70,000	\$273,000		
Quality Control Officers	3	30.0%	60,000	\$234,000		Directors - Non Exec
Administrative Manager	3	30.0%	50,000	\$195,000		\$60,000
Secretary	3	30.0%	35,000	\$136,500		60,000
Shipping	3	30.0%	35,000	\$136,500		60,000
Other Staff	20	30.0%	35,000	\$910,000		60,000
Security	15	30.0%	35,000	\$682,500		60,000
Non Executive Directors	5	30.0%	60,000	\$390,000		
Sub Contractors	20	30.0%	50,000	\$1,300,000		
						<u>\$300,000</u>
Administration Salaries Total	107 (full time)			<u>\$8,957,000</u>		

PASCAS FOUNDATION (PNG) Inc PROFIT & LOSS	30 Jun			AU\$1.00 = USD 0.75		PGK 2.50	7
	2021	2022	2023	2024	2025	2026	2027
REVENUE				\$ = AUD			
HIGH SCHOOL LAND & BUILDINGS	\$0	\$0	\$0	\$0	\$7,328,520	\$7,328,520	\$7,328,520
TAFE & CRAFT CREATIONS sites	0	0	0	0	7,877,970	7,877,970	7,877,970
UNIVERSITY LAND & BUILDINGS	0	0	0	0	0	14,955,620	14,955,620
HOSPITAL LAND & BUILDINGS	0	0	0	0	0	60,000,000	60,000,000
FIRST AID POST	0	0	78,000	273,000	468,000	663,000	858,000
CLINICS LAND & BUILDINGS	0	0	0	130,000	260,000	390,000	520,000
COMMUNITY CENTRE	0	0	0	0	0	260,000	260,000
EDUCATION COMPLEX TARI / DAULI	0	0	0	0	0	13,500,000	13,500,000
MOBILE CLINIC	0	0	0	0	0	65,000	65,000
TOTAL SALES / GRANTS	\$0	\$0	\$78,000	\$403,000	\$15,934,490	\$105,040,110	\$105,365,110
Less:							
Royalty	0	0	0	0	0	0	0
TOTAL REVENUE	\$0	\$0	\$78,000	\$403,000	\$15,934,490	\$105,040,110	\$105,365,110
OPERATING COSTS							
Consumable variable to Total Revenue							
HIGH SCHOOL LAND & BUILDINGS	0	0	0	0	366,426	366,426	366,426
TAFE & CRAFT CREATIONS sites	0	0	0	0	551,458	551,458	551,458
UNIVERSITY LAND & BUILDINGS	0	0	0	0	0	1,046,893	1,046,893
HOSPITAL LAND & BUILDINGS	0	0	0	0	0	7,200,000	7,200,000
FIRST AID POST	0	0	18,720	229,320	673,920	1,352,520	2,265,120
CLINICS LAND & BUILDINGS	0	0	0	15,600	62,400	140,400	249,600
COMMUNITY CENTRE	0	0	0	0	0	26,000	26,000
EDUCATION COMPLEX TARI / DAULI	0	0	0	0	0	945,000	945,000
MOBILE CLINIC	0	0	0	0	0	9,750	9,750
Total Consumable Costs	0	0	18,720	244,920	1,654,204	11,638,447	12,660,247
Total Employee Costs	0	0	48,360	249,860	9,879,384	65,124,868	65,326,368
Operating Costs Direct	0	0	15,600	80,600	3,186,898	21,008,022	21,073,022
Freight Inwards	0	0	936	12,246	82,710	581,922	633,012
Professional Support Contractors	0	0	40,000	50,000	150,000	250,000	500,000
Repairs & Maintenance	0	0	15,000	25,000	30,000	35,000	50,000
Transport	0	0	120,000	125,000	125,000	150,000	180,000
TOTAL DIRECT COSTS	\$0	\$0	\$258,616	\$787,626	\$15,108,196	\$98,788,260	\$100,422,650
ADMINISTRATION COSTS							
Advertising	0	0	400,000	400,000	550,000	650,000	650,000
Travelling & Accommodation	0	0	160,000	180,000	220,000	250,000	280,000
Bank Fees	0	0	2,340	12,090	478,035	3,151,203	3,160,953
Debt Collection	0	0	390	2,015	79,672	525,201	526,826
Occupancy Costs	0	0	70,000	75,000	80,000	85,000	90,000
Repairs & Maintenance	0	0	20,000	25,000	30,000	35,000	40,000
General Expenses	0	0	75,000	100,000	100,000	100,000	100,000
Administration Salaries	0	0	4,478,500	8,957,000	10,748,400	12,539,800	14,331,200
Administration Other	0	0	280,000	400,000	900,000	1,000,000	1,000,000
Directors Fees	0	0	300,000	300,000	300,000	300,000	300,000
Research & Development	0	0	300,000	300,000	400,000	450,000	500,000
Sundry Expenses	0	0	1,560	8,060	318,690	2,100,802	2,107,302
TOTAL ADMINISTRATION COSTS	0	0	6,087,790	10,759,165	14,204,797	21,187,006	23,086,281
TOTAL OPERATING COSTS	\$0	\$0	\$6,346,406	\$11,546,791	\$29,312,993	\$119,975,266	\$123,508,931
PROFIT before STAFF INCENTIVE	0	0	-6,268,406	-11,143,791	-13,378,503	-14,935,156	-18,143,821
STAFF INCENTIVE	0	0	0	0	0	0	0
NET PROFIT CONTRIBUTION before Scholarships Granted overseas	\$0	\$0	-\$6,268,406	-\$11,143,791	-\$13,378,503	-\$14,935,156	-\$18,143,821
NET PROFIT CONTRIBUTION	\$0	\$0	67,000,000	134,000,000	201,000,000	244,000,000	263,000,000
NET PROFIT CONTRIBUTION	\$0	\$0	-\$73,268,406	-\$145,143,791	-\$214,378,503	-\$258,935,156	-\$281,143,821

PASCAS FOUNDATION (PNG) Inc **\$ = AUD** 30 Jun AU\$1.00 = USD 0.75 PGK 2.50 **8**
 2021 2022 2023 2024 2025 2026 2027

FUNDING

GRANT FUNDING

INITIATING WORKING CAPITAL GRANT		\$50,000,000		\$30,000,000	\$30,000,000	\$30,000,000
LAND & BUILDINGS		\$467,500,000	\$468,200,000	\$394,100,000	\$163,300,000	\$163,300,000
PLANT & EQUIPMENT		\$100,000	\$10,100,000	\$110,600,000	\$100,000	\$100,000
RECURRENT COSTS (subsidised client fees)		\$100,000	\$500,000	\$16,000,000	\$105,100,000	\$105,400,000
SCHOLARSHIPS		\$67,000,000	\$134,000,000	\$201,000,000	\$244,000,000	\$263,000,000
HOUSING ACCOMMODATION		\$150,000,000	\$150,000,000	\$150,000,000	\$150,000,000	\$150,000,000
COMMERCIAL OFFICE		\$5,000,000	\$0	\$0	\$0	\$0
TOTAL GRANT FUNDINGS		\$0	\$739,700,000	\$762,800,000	\$901,700,000	\$692,500,000
						\$711,800,000

Financing:

Not-for-profit organisations do not have equity partners:

Equity Capital		\$0	\$0	\$0	\$0	\$0	\$0
Share Placement Costs		\$0	\$0	\$0	\$0	\$0	\$0
Equity Capital net raising	5%	\$0	\$0	\$0	\$0	\$0	\$0

\$0 Equity Capital AUD
\$3,808,500,000 Grant Funding AUD
\$3,808,500,000 Total Funding AUD

Principal Debt Amount	example	0	\$10,000,000	\$0	\$0	\$0	\$0
Draw down Month		first 8 mths					
Interest Rate %		8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Capital Repayments (10% per annum)		0	0	0	1,000,000	1,000,000	1,000,000
	10%						
FLAT PRINCIPAL REPAYMENTS							
Balance	example	0	10,000,000	10,000,000	9,000,000	8,000,000	7,000,000
Principal reductions		0	0	0	1,000,000	1,000,000	1,000,000
Interest	existing loan	0	800,000	800,000	720,000	640,000	560,000
Total monthly payments			66,667	66,667	143,333	136,667	130,000
PRINCIPAL & INTEREST AMORTISED							
Principal Amount	example	10,000,000	8,295,435	6,454,506	4,466,302	2,319,041	0
Amortised equally over years being	5	-2,504,565	-2,504,565	-2,504,565	-2,504,565	-2,504,565	-2,504,565
Interest Rate per annum fixed %	8%		800,000	663,635	516,360	357,304	185,523
Principal Reduction annually			1,704,565	1,840,930	1,988,204	2,147,260	2,319,041
Repayments Monthly of principal	12		142,047	153,411	165,684	178,938	193,253
Total monthly payments			208,714	208,714	208,714	208,714	208,714

RAIT PASCAS FOUNDATION (PNG) Inc is a not-for-profit Dividends are not payable under its constitution: This is an example practice:

Dividend (from prior year profit)							
As % net profit after tax		0.0%	0.0%	0.0%	20.0%	40.0%	50.0%

PASCAS FOUNDATION (PNG) Inc	\$ = AUD	30 Jun		AUS\$1.00 = USD 0.75	PGK 2.50	10
	2022	2023		2024	2025	2026
TAXATION RECONCILIATION						2027
Operating Profit	\$0	-\$91,979,120	-\$183,791,219	-\$282,059,347	-\$333,158,000	-\$361,908,665
Adjustments:						
Add Back Depreciation	0	18,710,714	38,647,428	67,680,844	74,222,844	80,764,844
Less Taxation based Depreciation 20.00%	0	20,000	2,040,000	24,160,000	24,180,000	24,200,000
Adjusted Taxable Profit	<u>0</u>	<u>-73,288,406</u>	<u>-147,183,791</u>	<u>-238,538,503</u>	<u>-283,115,156</u>	<u>-305,343,821</u>
Past Years Tax Losses b/f	0	0	-73,288,406	-220,472,197	-459,010,700	-742,125,856
TAXABLE INCOME to be assessed	<u>0</u>	<u>-73,288,406</u>	<u>-220,472,197</u>	<u>-459,010,700</u>	<u>-742,125,856</u>	<u>-1,047,469,677</u>
TAXABLE INCOME to be assessed on after deducting past tax losses	0	0	0	0	0	0
Income Tax Expense 30.00%	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Taxation Paid	0	0	0	0	0	0
Provision for Tax	0	0	0	0	0	0
Future Tax	0	0	0	0	0	0
CARRIED FORWARD TAX LOSSES	0	73,288,406	220,472,197	459,010,700	742,125,856	1,047,469,677
Notional Value of Tax Losses at end of year: CARRIED FORWARD TAX CREDITS 30.00%		\$21,986,522	\$66,141,659	\$137,703,210	\$222,637,757	\$314,240,903

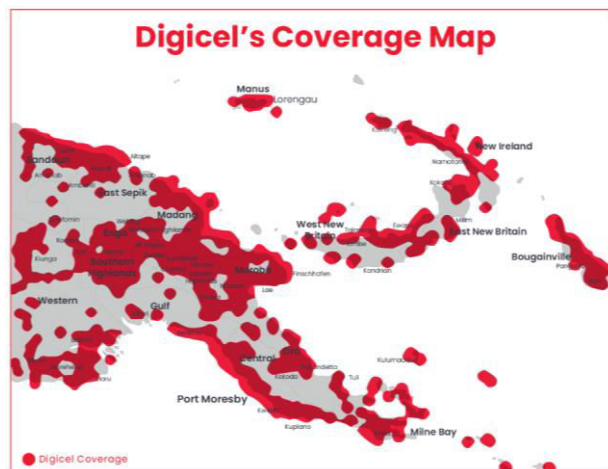
NOTE: Income Tax credits from tax losses are not cash receipts in the year of loss.

Research & Development taxation extra benefits have not been accounted for.

Note receipts are possible for:
 Export Market Development Grant
 Research & Development
 Commercialising Emerging Technologies
 Innovation Start Up Scheme
 State Grants include
 Commonwealth Grants include

Government Taxable Grants:
 EMDG upto 50% of export promotion costs.
 R & D tax claims can be 125% to 175% or cash grant to 52.5% of costs.
 COMET innovation aid on 80:20 basis.
 ISUS State grant 80:20 basis for start up support.
 CIV - QIDS - QMI - E-ComDG - QSEIF - QSTDP
 ITOL - NHMCD - RECP - BioStart - BioTech

contact AusIndustry
www.bizlink.gov.au
 there are 500+ programs



CAPITALISATION RATES could fall within these guidelines:

				LOAN to VALUE RATIOS		
				90%		LVR
Residential				80%		
Homes Units, Villas & Townhouses				50%		
Land Subdivisions				75%	-	80%
Office Building	5.00%	-	9.00%	75%	-	80%
Factories	9.25%	-	10.50%	75%	-	80%
Show Rooms / Warehouses	9.50%	-	10.50%	75%	-	80%
Shopping Centres	8.00%	-	11.50%	75%	-	80%
Hotel / Motels	16.00%	-	25.00%	70%		
Hospital / Convalescent Homes	11.50%	-	16.50%	65%		
Restaurants	20.00%	-	25.00%			
Renovation existing building				75%	-	100%
Specialised Security				65%		
Newsagencies - goodwill component only				50%		
Intellectual Property						

note: value it and enter it into your balance sheet!!!!!!

VALUATION METHODOLOGIES

- 1 Discounted cashflow / net present value ("DCF/NPV")
- 2 Capitalisation of future maintainable earnings ("FME/FCF")
- 3 Valuation of net tangible assets
- 4 Notional realisation of assets.
- 5 Capitalisation of future maintainable dividends.

CAPITALISATION RATE is a factor of perceived risk.

Old economy projects with their proven track record have market capitalisation rates as outlined above.

New technology that is proven to work and has a well researched marketing plan require a more conservative assessment of capitalisation rates, say:

20.00%	-	25.00%
40.00%	-	47.50%

A valuation of untested technology could be valued with the discount rate based on "capital asset pricing model":

ER = RF + Beta(RM-RF) where:
 ER = The expected return from equity after the corporate tax rate
 RF= The pre-tax risk free rate of return
 RM= The expected return from the market portfolio
 RM-RF= The risk premium of the market portfolio relative to the risk free asset (commonly referred to as the "market risk premium")

Beta= The measure of a risky asset's level of risk to the market.
 ER = 6.00% + .97(47.5%-6.00%) per annum = 46.25% (high risk) 38.98% (low risk)

It is assumed RF to be 6.00%, which represents the 10 year government bond rate.

It is assumed the market risk premium to be between a range of 40% (low) to 47.5% (high) for new technology.

The beta could be:		0.93	lower	0.88	upper	0.97
beta greater than 1, more	All industrials	0.93	lower	0.88	upper	0.97
risky than ASX, e.g.:	Miscellaneous Industrials	1.49		1.21		1.77
Source:	Tourism & leisure	1.19		1.02		1.36
Centre for Research in Finance	Building materials	1.12		0.91		1.32
Bs 02 9931 9200	Gold	1.10		0.77		1.43
Fx 02 9662 1695	Telecommunications	1.08		0.84		1.32
	Engineering	1.06		0.92		1.20
	Media	1.00		0.66		1.34
	Energy industries	0.97		0.73		1.21
	Healthcare & biotechnology	0.86		0.68		1.04
	Chemicals	0.86		0.67		1.06
	Infrastructure & utilities	0.76		0.57		0.95
	Transport	0.68		0.47		0.90
	Food & household goods	0.47		0.23		0.71

HURDLE RATES: Term of investment is typically 3 to 7 years. Funding stages typically consist of:

				Australian Venture Capital ind results 2000			
				No deals	Av deal\$m	Av hurdle	
SEED CAPITAL	required rate	50% +	per annum	Seed	82	0.9	105%
ROUND ONE / TWO	rates between	35% to 50%	per annum	Startup / Early	97	1.2	67%
EXPANSION	rates between	28% to 35%	per annum	Early Exp (\$4+m)	102	1.6	47%
				Expansion	202	2.2	35%
Why? Because funds are competing against lower risk opportunities, eg:				MBO/MBI	17	9.5	29%
ASX Top 100 (last 40 year average)		15.55%	per anm	Turnaround	14	2.6	26%
RISK FREE GOVERNMENT BONDS 5 yr		6.00%	per anm				

	Actual Past 5 yrs	Forecast Next 10 yrs	June 2001 appraisal by leading funds manager: Macquarie Funds Management
MARKET OUTLOOK			
Australian Shares	11.20%	11.00%	With earnings growing in line with the overall economy
Small Company Stocks	4.10%	13.00%	Small capitalisation stocks should perform strongly in the next five years, with the current high yields available supported by strong earnings growth from the emerging stocks in this sector.
Listed Property	12.60%	9.00%	The highest-yielding major asset class will continue to provide solid returns and provide a good hedge against the prospect of any increase in inflation.
International Shares - including currency impact	19.50%	11.00%	Earning growth in line with the overall economy, and limited prospects for further re-rating to increase valuations, will limit international equities to more modest returns.
International Shares - excluding currency impact	11.50%	10.00%	Currency impacts should have little effect on international equities in the medium to longer term.
Cash	5.80%	5.75%	Cash rates should match the growth in the economy over the long run.
Australian Bonds	9.60%	6.00%	Australian fixed interest will tend to provide a small margin over cash investments.
International Bonds	8.90%	5.00%	International bond investments will provide a similar average performance to their Australian counterparts.
Alternative Assets	14.20%	15.00%	Alternative assets will continue to provide high returns to compensate investors for the additional risk taken when investing in these long-term, illiquid securities.

P = Market multiplier of Earnings, E = Profit after Tax (PAT)

AUSTRALIAN STOCK EXCHANGE (A.S.E.) Price / Earning (P/E) Ratio & Dividend Yield Series (note TwinTowers 11 Sep)	P/E ratio series		Dividend Yield series		INDEX	Global Industry Classification Standard (GICS)					
	25Dec01	28Aug01	25Dec01	28Aug01		P/E ratio	P/E ratio	P/E ratio	Div Yield	Div Yield	Div Yield
INDEX					INDEX	30Oct06	2Jan04	31Jul02	30Oct06	2Jan 04	31Jul02
Alcohol and Tobacco	20.62	25.37	2.83	2.81	All Ordinaries	13.79	16.40	18.33	3.76	3.88	3.82
Banks	18.15	15.56	4.13	3.97	S&P/ASX 20	13.38	18.56	20.38	3.68	3.89	3.91
Building Materials	10.59	13.60	3.84	3.68	S&P/ASX 50	13.78	16.91	19.60	3.74	3.88	3.90
Chemicals	12.29	13.86	4.14	5.25	S&P/ASX 100	13.65	17.07	19.22	3.76	3.94	3.85
Development & Contractors	27.98	26.16	2.08	2.29	S&P/ASX 200	13.65	16.93	18.82	3.77	3.96	3.83
Diversified Industrial	26.74	23.35	3.25	3.81	S&P/ASX 300	13.67	16.85	18.72	3.76	3.94	3.84
Diversified Resources	16.23	16.55	3.31	3.02	S&P/ASX Midcap 50	12.96	18.18	17.30	3.87	4.37	3.61
Energy	8.58	8.96	2.86	2.96	S&P/ASX Small Ords	13.79	14.83	14.85	3.70	3.80	4.02
Engineering	21.07	22.42	3.47	3.66	Consumer Discretionary	20.25	25.60	21.13	3.75	2.09	3.57
Food, H/hold Goods	11.68	11.83	3.51	3.72	Consumer Staples	14.20	18.59	17.96	3.25	3.71	3.23
Gold	14.68	10.73	1.33	1.19	Energy	14.34	15.44	10.44	2.74	2.68	2.83
Health & Biotech	35.91	38.93	1.69	2.81	Financials	12.65	14.28	16.69	4.51	5.31	4.73
Infrastructure / Utility	25.82	16.61	3.45	3.61	Financial-ex-property	16.21	14.24	17.82	4.11	4.75	4.12
Insurance	19.23	24.54	2.79	2.41	Health Care	34.06	40.74	27.38	1.66	2.59	2.17
Invest & Finance Services	18.62	17.10	2.50	2.57	Industrials	14.06	17.12	30.92	4.19	3.84	2.70
Media	26.55	19.19	3.83	4.12	Info Technology	23.63	47.07	14.76	2.11	2.28	2.93
Miscellaneous Industries	14.84	15.47	3.06	2.58	Materials	12.70	18.97	26.33	2.28	2.49	3.07
Other Metals	11.69	11.24	3.58	3.53	Property Trusts	7.31	14.41	13.11	5.85	7.40	7.35
Paper & Packaging	14.86	13.13	4.43	4.80	Telecommunications	14.05	15.19	16.32	7.75	4.72	3.60
Property Trusts	12.99	12.90	7.19	7.21	Utilities	21.67	17.21	18.36	6.76	5.01	4.82
Retail	31.69	29.81	2.57	2.62							
Telecommunications	16.41	17.52	3.59	2.70							
Tourism & Leisure	18.61	19.15	4.00	3.99							
Transport	24.22	21.21	2.44	5.77							
Market Average	17.88	16.91	3.63	3.56							
Resource Average	12.46	13.57	3.03	3.02							
Industrial Average	18.83	17.67	3.70	3.66							

(GICS level 2 by Industry Groups)

{Companies making losses have been excluded from A.S.E. P/E series}

NOTE: The average range of All Ordinaries PE ratios over the last 15 years has been around 10 to 15.

REFLECTIONS	Close 16 Jan 22	Close 3 Sep 20	Close 31 Dec 18	Close 31 Dec 17	Close 31 Dec 16	Close 31 Dec 15	Close 31 Dec 14	Close 31 Dec 13	Close 31 Dec 12	Close 31 Dec 11	Close 31 Dec 10	Close 31 Dec 09	Close 31 Dec 08
Dow Jones (industrial average of 30 leading Wall Street stocks)	35,912	29,100	23,327	25,219	19,762	17,603	17,983	16,504	13,104	12,287	11,570	10,548	9,034
Nasdaq (composite index)	14,894	12,056	6,635	7,239	5,440	5,065	4,282	4,154	3,019	2,613	2,663	2,291	1,632
Standard & Poor's 500 (larger sample of businesses)	4,663	3,526	2,507	2,732	2,251	2,063	2,080	1,848	1,426	1,263	1,257	1,115	931
S&P-ASX 200	7,406	6,090	5,646	5,904	5,666	5,295	5,411	5,304	4,631	4,050	4,750	4,870	3,722
ASX All Ordinaries	7,728	6,301	5,709	6,004	5,719	5,344	5,388	5,353	4,664	4,111	4,846	4,882	3,659

STANDARD & POOR'S

Long-term credit ratings:

'AAA'	The obligor's capacity to meet its financial commitment on the obligation is extremely strong.
'AA'	An obligation rated 'AA' differs from the highest rated obligation only to a small degree.
'A'	The obligor's capacity to meet its financial commitment on the obligation is very strong. An obligation rated 'A' is somewhat more susceptible to the adverse effects of changes in circumstances and economic conditions than obligations in higher rated categories. However, the obligor's capacity to meet its financial commitment on the obligation is still strong.
'BBB'	An obligation rated 'BBB' exhibits adequate protection parameters. However, adverse economic conditions or changing circumstances are more likely to lead to a weakened capacity of the obligor to meet its financial commitment on the obligation.
Investment Grade	
'BB', 'B', 'CCC', 'CC', 'C'	Obligations rated thus are regarded as having significant speculative characteristics. 'BB' indicates the least degree of speculation and 'C' the highest. While such obligations will likely have some quality and protective characteristics, these may be outweighed by large uncertainties or major exposures to adverse conditions.
Junk Bond Grade	
'BB'	Is less vulnerable to nonpayment than other speculative issues. However, it faces major ongoing uncertainties or exposure to adverse business, financial, or economic conditions that could lead to the obligor's inadequate capacity to meet its financial commitment on the obligation.
'B'	More vulnerable to nonpayment than 'BB', but the obligor currently has the capacity to meet its financial commitment on the obligation. Adverse business, financial, or economic conditions will likely impair the obligor's capacity or willingness to meet its financial commitment.
'CCC'	Is currently vulnerable to nonpayment, and is dependent upon favourable business, financial, and economic conditions for the obligor to meet its financial commitment on the obligation.
'CC'	An obligation rated 'CC' is currently highly vulnerable to nonpayment.
'C'	This rating may be used to cover a situation where a bankruptcy petition has been filed or similar action has been taken but payments on this obligation are being continued. C' is also used for preferred stock that is in arrears (as well as for junior debt of issuers rated CCC-' and 'CC').
'D'	It is used only where a default has actually occurred.

KEY INDUSTRIAL FINANCIAL RATIOS:

US Industrial long-term debt: 3 year (1996 /1998) median	AAA	AA	A	BBB	BB	B
EBIT interest coverage (x)	12.9	9.2	7.2	4.1	2.5	1.2
EBITDA interest coverage (x)	18.7	14.0	10.0	6.3	3.9	2.3
Funds flow/total debt (%)	89.7%	67.0%	49.5%	32.2%	20.1%	10.5%
Free operating cash flow / total debt (%)	40.5%	21.6%	17.4%	6.3%	1.0%	-0.4%
Return on capital (%)	30.6%	25.1%	19.6%	15.4%	12.6%	9.2%
Operating income / sales (%)	30.9%	25.2%	17.9%	15.8%	14.4%	11.2%
Long-term debt / capital (%)	21.4%	29.3%	33.3%	40.8%	55.3%	68.8%
Total debt / capital (incl. STD) (%)	31.8%	37.0%	39.2%	46.4%	58.5%	71.4%

EBIT - Earnings before interest and taxes.

EBITDA - Earning before interest, taxes, depreciation, and amortisation.

$$\text{EBIT interest coverage} = \frac{\text{Earnings from continuing operations * before interest and taxes}}{\text{Gross interest incurred before subtracting (1) capitalised interest and (2) interest income}}$$

$$\text{EBITDA interest coverage} = \frac{\text{Earnings from continuing operations * before interest, taxes, depreciation and amortisation}}{\text{Gross interest incurred before subtracting (1) capitalised interest and (2) interest income}}$$

$$\text{Funds from operations/total debt} = \frac{\text{Net income from continuing operations plus depreciation, amortisation, deferred income taxes, and other noncash items}}{\text{Long-term debt plus current maturities, commercial paper, and other short-term borrowings}}$$

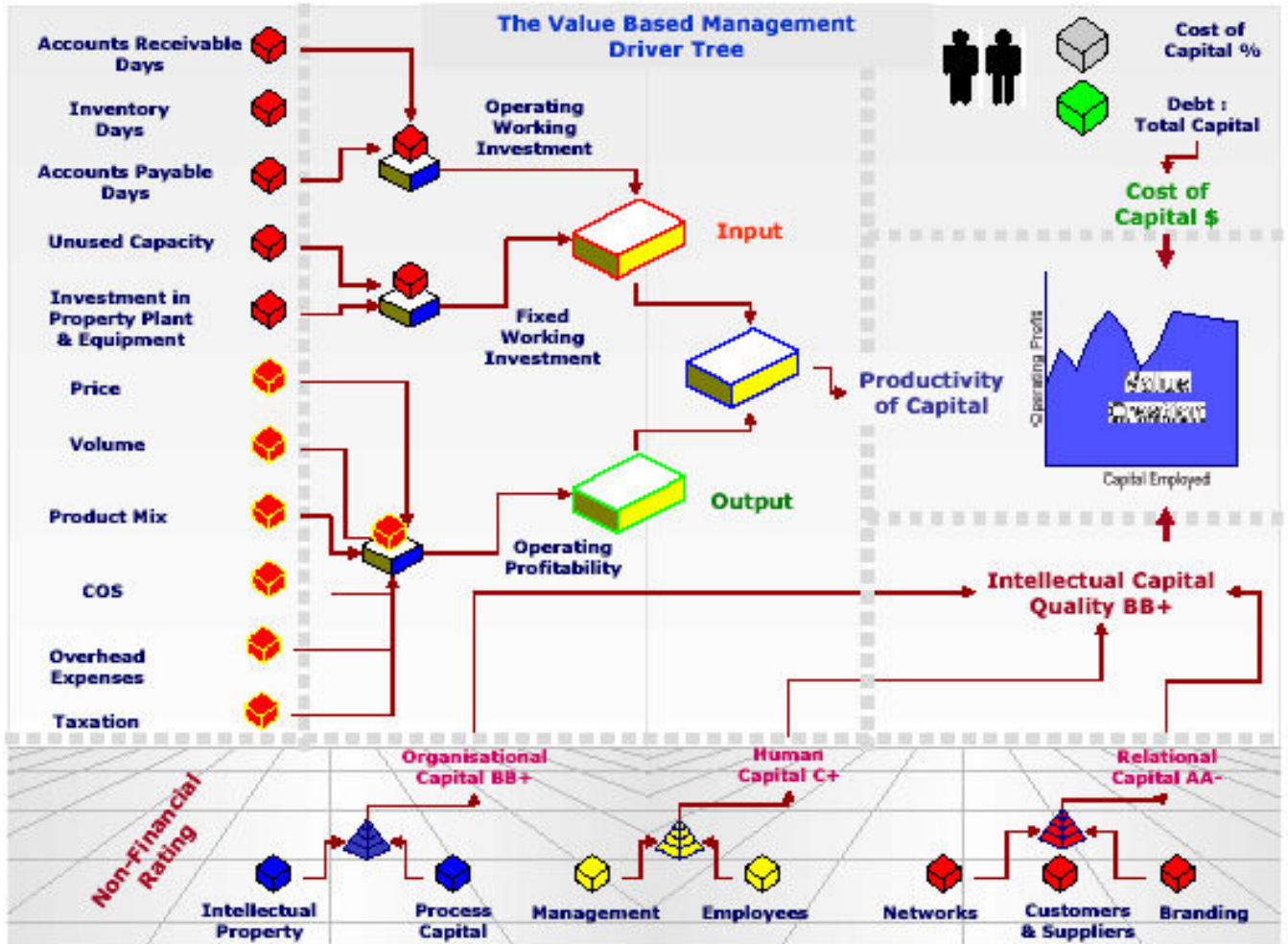
$$\text{Free operating cash flow/total debt} = \frac{\text{Funds from operations minus capital expenditure, minus (plus) the increase (decrease) in working capital (excluding changes in cash, marketable securities, and short-term debt)}}{\text{Long-term debt plus current maturities, commercial paper, and other short-term borrowings}}$$

$$\text{Return on capital} = \frac{\text{EBIT}}{\text{Average of beginning of year and end of year capital, including short-term debt, current maturities, long-term debt, non-current deferred taxes, and equity.}}$$

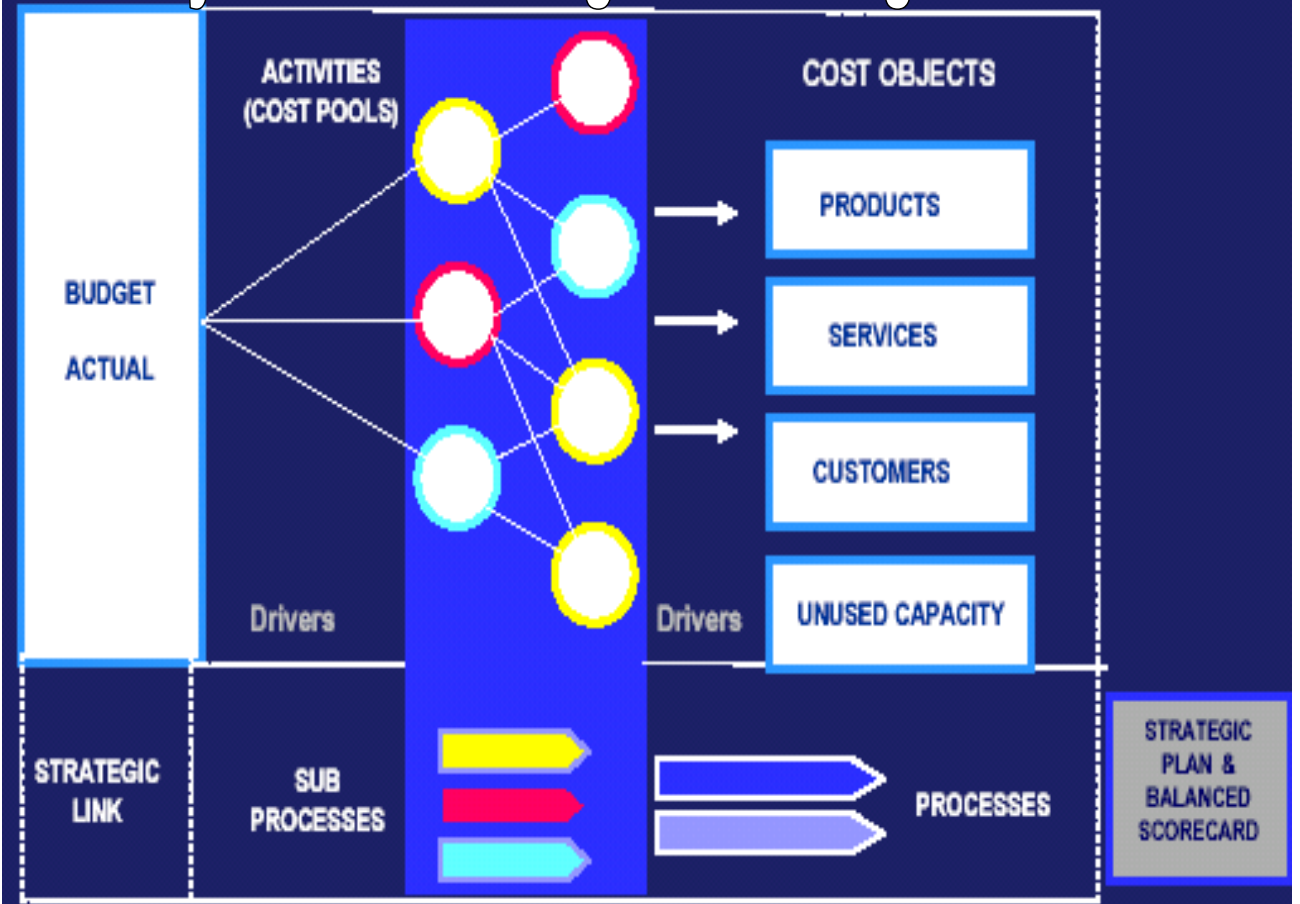
$$\text{Operating income/sales} = \frac{\text{Sales minus cost of goods manufactured (before depreciation and amortisation), selling, general and administrative, and research and development costs}}{\text{Sales}}$$

$$\text{Long-term debt/capitalisation} = \frac{\text{Long-term debt}}{\text{Long-term debt + shareholders' equity (including preferred stock) plus minority interest}}$$

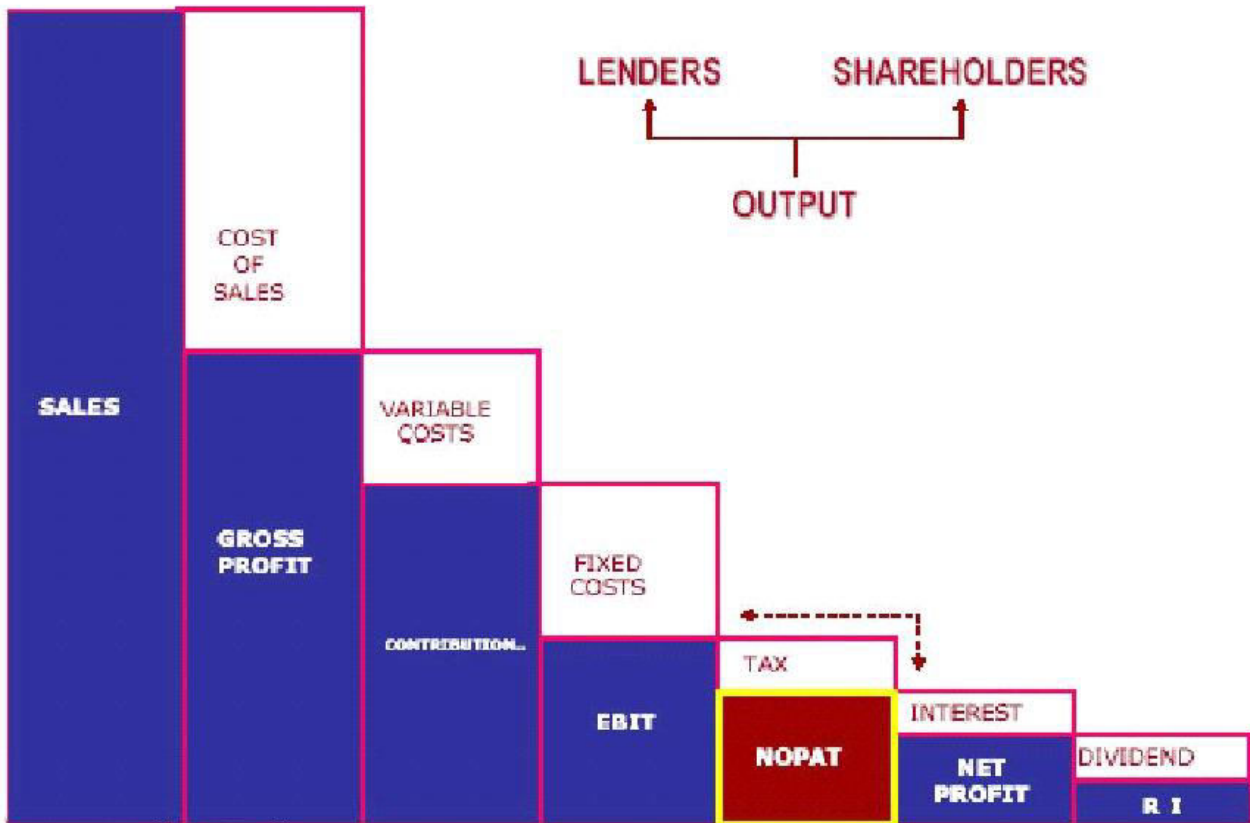
$$\text{Total debt/capitalisation} = \frac{\text{Long-term debt plus current maturities, commercial paper, and other short-term borrowings}}{\text{Long-term debt plus current maturities, commercial paper, and other short-term borrowings + shareholders' equity (including preferred stock) plus minority interest.}}$$



Activity Based Costing - A Strategic Framework

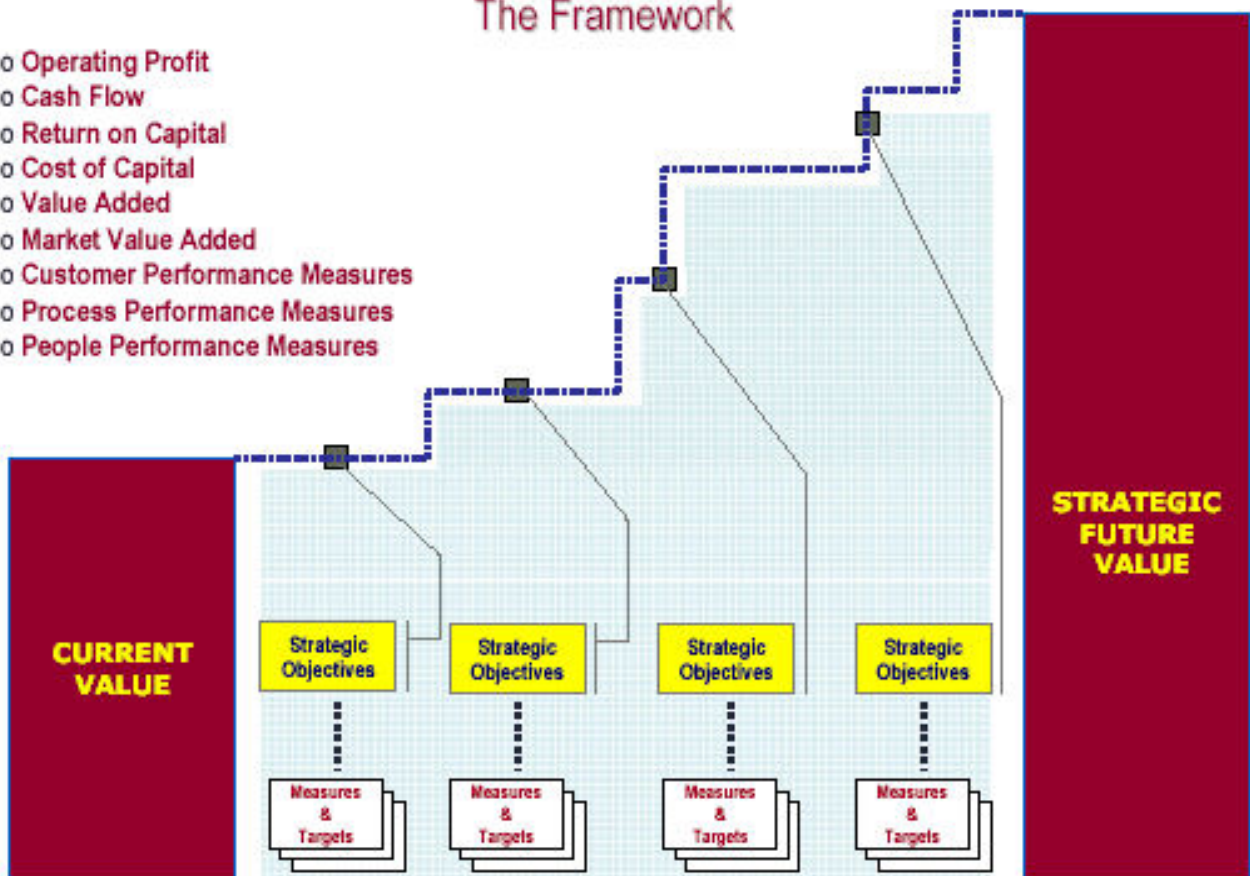


Net Operating Profit after tax, before interest



The Framework

- o Operating Profit
- o Cash Flow
- o Return on Capital
- o Cost of Capital
- o Value Added
- o Market Value Added
- o Customer Performance Measures
- o Process Performance Measures
- o People Performance Measures



The Balanced Scorecard & Intellectual Capital Rating

SHAREHOLDER VALUE

see Valuation Notes:
Adjust WACC with Bloomberts
beta factor industry loadings:

NOPAT = Net operating profit after tax (and before interest)
WACC = Weighted average cost of capital
WACC benchmark - listed company **9.8%**

unlisted company **12.0%**

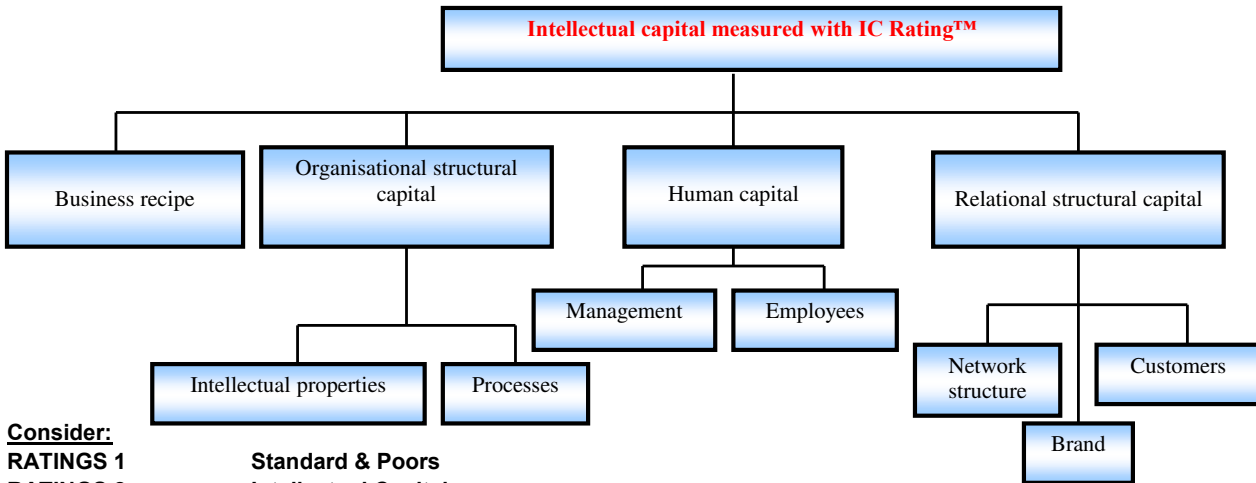
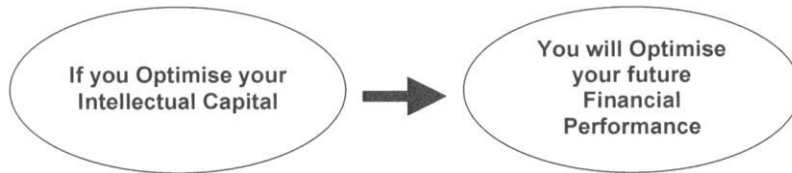
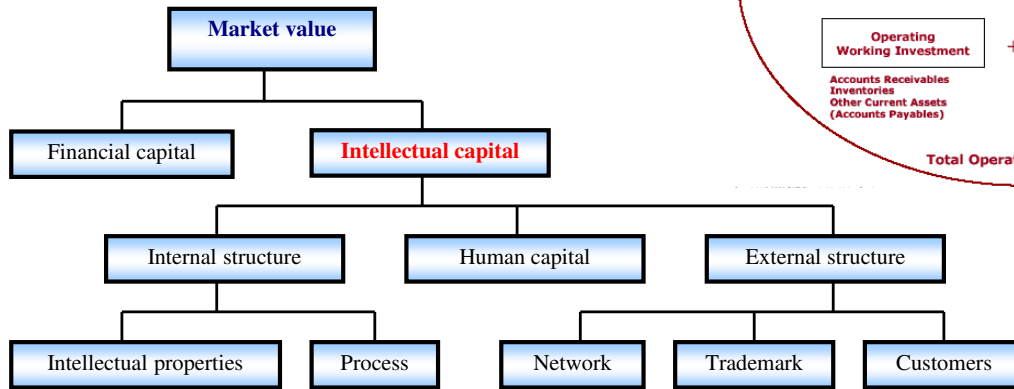
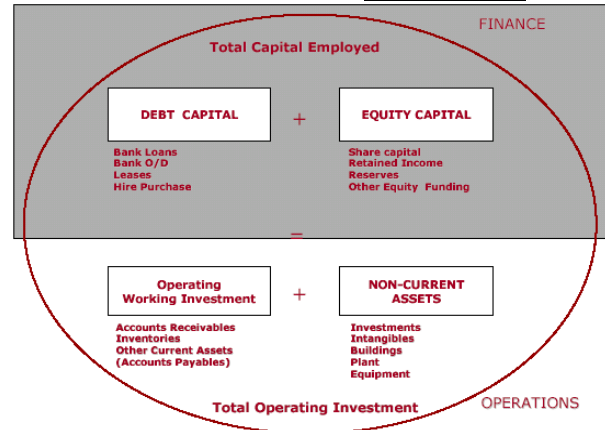
NOPAT	Profit before depreciation					2027	
	Depreciation						-\$18,143,821
	Profit before interest and borrowing costs						80,764,844
	Less Taxation						-98,908,665
	NOPAT =						<u>-29,672,599</u>
							<u><u>-\$69,236,065</u></u>

Valuation as Private Entity
Valuation as Private Entity

Yield required **12.0%** -\$577,000,000
discounted back to **#BEZUG!** **#BEZUG!**
#BEZUG! #BEZUG!
Yield required **9.80%** -\$707,000,000
discounted back to **#BEZUG!** **#BEZUG!**

PE base
Adopted Value variance
#BEZUG! #####

Annual requirement:
INCOME GENERATED must exceed above benchmark rates on the TOTAL of CAPITAL EMPLOYED otherwise you are destroying value!



Consider:
RATINGS 1
RATINGS 2
RATINGS 3

Standard & Poors
Intellectual Capital
Corporate Social Responsibility



AAA Outstanding



AA High



A Satisfactory



B Low



C Very Low



D Inadequate

PASCAS FOUNDATION (PNG) Inc

MONTHLY CASH FLOW

	TOTAL	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.6%	16.6%	16.7%	16.7%	16.7%	16.7%
Sales Monthly													
TOTAL SALES	\$78,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,948	\$12,948	\$13,026	\$13,026	\$13,026	\$13,026
OUTGOINGS													
Total Consumable Costs	18,720	0	0	0	0	0	0	3,108	3,108	3,126	3,126	3,126	3,126
Employee Costs	48,360	0	0	0	0	0	0	8,028	8,028	8,076	8,076	8,076	8,076
Operating Costs Direct	15,600	0	0	0	0	0	0	2,590	2,590	2,605	2,605	2,605	2,605
Other production costs	175,936	0	0	0	0	0	0	29,205	29,205	29,381	29,381	29,381	29,381
TOTAL DIRECT COSTS	258,616	0	0	0	0	0	0	42,930	42,930	43,189	43,189	43,189	43,189
SCHOLARSHIPS GRANTED	67,000,000	0	0	0	0	0	0	11,122,000	11,122,000	11,189,000	11,189,000	11,189,000	11,189,000
ADMINISTRATION													
Advertising	400,000	33,333	33,333	33,333	33,333	33,333	33,333	33,333	33,333	33,333	33,333	33,333	33,333
Travelling & Accommodation	160,000	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333
Bank Fees	2,340	0	0	0	0	0	0	388	388	391	391	391	391
Debt Collection	390	33	33	33	33	33	33	33	33	33	33	33	33
Occupancy Costs	70,000	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833
Repairs & Maintenance	20,000	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667
General Expenses	75,000	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250
Administration Salaries	4,478,500	373,208	373,208	373,208	373,208	373,208	373,208	373,208	373,208	373,208	373,208	373,208	373,208
Administration Other	280,000	23,333	23,333	23,333	23,333	23,333	23,333	23,333	23,333	23,333	23,333	23,333	23,333
Directors Fees	300,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Research & Development	300,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Sundry Expenses	1,560	130	130	130	130	130	130	130	130	130	130	130	130
STAFF INCENTIVE	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ADMINISTRATION	6,087,790	507,121	507,121	507,121	507,121	507,121	507,121	507,509	507,509	507,512	507,512	507,512	507,512
TOTAL COSTS	73,346,406	507,121	507,121	507,121	507,121	507,121	507,121	11,672,440	11,672,440	11,739,700	11,739,700	11,739,700	11,739,700
NET REVENUE	-73,268,406	-507,121	-507,121	-507,121	-507,121	-507,121	-507,121	-11,659,492	-11,659,492	-11,726,674	-11,726,674	-11,726,674	-11,726,674
PROGRESSIVE REVENUE	-73,268,406	-507,121	-1,014,242	-1,521,363	-2,028,483	-2,535,604	-3,042,725	-14,702,217	-26,361,708	-38,088,383	-49,815,057	-61,541,732	-73,268,406
Grants treated as Revenue	-78,000	0	0	0	0	0	0	-12,948	-12,948	-13,026	-13,026	-13,026	-13,026
WORKING CAPITAL	-21,450							-7,150	-7,150	-7,150			
Other costs - borrowing	0	0											
Taxation	0												0
CAPITAL EXPENDITURE													
CapEx Land Building Acquisitions	-467,467,850			-46,746,785	-46,746,785	-46,746,785	-46,746,785	-46,746,785	-46,746,785	-46,746,785	-46,746,785	-46,746,785	-46,746,785
Plant & Equipment	-100,000			-33,333	-33,333	-33,333	-33,333						
Office Building	-5,000,000		-1,250,000	-1,250,000	-1,250,000	-1,250,000	-1,250,000						
Housing Accommodation	-150,000,000			-15,000,000	-15,000,000	-15,000,000	-15,000,000	-15,000,000	-15,000,000	-15,000,000	-15,000,000	-15,000,000	-15,000,000
Intellectual Property	0	0											
FUNDS NEEDED		-507,121	-1,757,121	-63,537,239	-63,537,239	-63,537,239	-62,253,906	-73,426,375	-73,426,375	-73,493,635	-73,486,485	-73,486,485	-73,486,485
PROGRESSIVE FUNDS NEED		-507,121	-2,264,242	-65,801,481	-129,338,720	-192,875,959	-255,129,865	-328,556,240	-401,982,614	-475,476,250	-548,962,735	-622,449,221	-695,935,706
TOTAL GRANTS FUNDING	739,700,000	50,000,000		229,700,000			230,000,000				230,000,000		
CASH BALANCE	43,764,294	49,492,879	-1,757,121	166,162,761	-63,537,239	-63,537,239	167,746,094	-73,426,375	-73,426,375	-73,493,635	156,513,515	-73,486,485	-73,486,485
PROGRESSIVE CASH BALANCE	43,764,294	49,492,879	47,735,758	213,898,519	150,361,280	86,824,041	254,570,135	181,143,760	107,717,386	34,223,750	190,737,265	117,250,779	43,764,294

PASCAS FOUNDATION (PNG) Inc
QUARTERLY CASH FLOW

	\$ = AUD 30 Jun				AU\$1.00 = USD 0.75				PGK 2.50				18
	Year of 2023				Year of 2024				Year of 2025				
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	
SALES													
HIGH SCHOOL LAND & BUILDINGS	0	0	0	0	0	0	0	0	1,832,130	1,832,130	1,832,130	1,832,130	
TAFE & CRAFT CREATIONS sites	0	0	0	0	0	0	0	0	1,969,493	1,969,493	1,969,493	1,969,493	
UNIVERSITY LAND & BUILDINGS	0	0	0	0	0	0	0	0	0	0	0	0	
HOSPITAL LAND & BUILDINGS	0	0	0	0	0	0	0	0	0	0	0	0	
FIRST AID POST	19,500	19,500	19,500	19,500	68,250	68,250	68,250	68,250	117,000	117,000	117,000	117,000	
CLINICS LAND & BUILDINGS	0	0	0	0	32,500	32,500	32,500	32,500	65,000	65,000	65,000	65,000	
COMMUNITY CENTRE	0	0	0	0	0	0	0	0	0	0	0	0	
EDUCATION COMPLEX TARI / DAUL	0	0	0	0	0	0	0	0	0	0	0	0	
MOBILE CLINIC	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL SALES / GRANTS	\$19,500	\$19,500	\$19,500	\$19,500	\$100,750	\$100,750	\$100,750	\$100,750	\$3,983,623	\$3,983,623	\$3,983,623	\$3,983,623	
TOTAL DIRECT COSTS	64,654	64,654	64,654	64,654	196,907	196,907	196,907	196,907	3,777,049	3,777,049	3,777,049	3,777,049	
TOTAL DIRECT COSTS	64,654	64,654	64,654	64,654	196,907	196,907	196,907	196,907	3,777,049	3,777,049	3,777,049	3,777,049	
GROSS PROFIT CONTRIBUTION	-45,154	-45,154	-45,154	-45,154	-96,157	-96,157	-96,157	-96,157	206,574	206,574	206,574	206,574	
TOTAL ADMINISTRATION COSTS	1,521,948	1,521,948	1,521,948	1,521,948	2,689,791	2,689,791	2,689,791	2,689,791	3,551,199	3,551,199	3,551,199	3,551,199	
STAFF INCENTIVE					0				0				0
PROFIT CONTRIBUTION	-\$1,567,102	-\$1,567,102	-\$1,567,102	-\$1,567,102	-\$2,785,948	-\$2,785,948	-\$2,785,948	-\$2,785,948	-\$3,344,626	-\$3,344,626	-\$3,344,626	-\$3,344,626	
SCHOLARSHIPS GRANTED	-\$16,750,000	-\$16,750,000	-\$16,750,000	-\$16,750,000	-\$33,500,000	-\$33,500,000	-\$33,500,000	-\$33,500,000	-\$50,250,000	-\$50,250,000	-\$50,250,000	-\$50,250,000	
WORKING CAPITAL	-5,363	-5,363	-5,363	-5,363	-20,665	-20,665	-20,665	-20,665	-770,697	-770,697	-770,697	-770,697	
Grants treated as Revenue	-19,500	-19,500	-19,500	-19,500	-100,750	-100,750	-100,750	-100,750	-3,983,623	-3,983,623	-3,983,623	-3,983,623	
Interest	0			0				0				0	
Other costs - borrowing	0				0				0				
Creditors - Directors	0	0											
Taxation	0	0	0	0	0	0	0	0	0	0	0	0	
Dividends Paid				0				0				0	
NET CASH FLOW	-18,341,964	-18,341,964	-18,341,964	-18,341,964	-36,407,362	-36,407,362	-36,407,362	-36,407,362	-58,348,946	-58,348,946	-58,348,946	-58,348,946	
CAPITAL EXPENDITURE													
CapEx Land Building Acquisitions	-116,866,963	-116,866,963	-116,866,963	-116,866,963	-117,029,463	-117,029,463	-117,029,463	-117,029,463	-98,508,850	-98,508,850	-98,508,850	-98,508,850	
Plant & Equipment	-25,000	-25,000	-25,000	-25,000	-2,525,000	-2,525,000	-2,525,000	-2,525,000	-27,650,000	-27,650,000	-27,650,000	-27,650,000	
Office Building	-2,500,000	-2,500,000	0	0	0	0	0	0	0	0	0	0	
Housing Accommodation	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	-37,500,000	
Intellectual Property	0				0				0				
TOTAL GRANTS FUNDING	\$184,925,000	184,925,000	184,925,000	184,925,000	190,700,000	190,700,000	190,700,000	190,700,000	225,425,000	225,425,000	225,425,000	225,425,000	
LOAN REPAYMENTS				0				0				0	
NET QUARTER CASH FLOW	9,691,074	9,691,074	12,191,074	12,191,074	-2,761,825	-2,761,825	-2,761,825	-2,761,825	3,417,204	3,417,204	3,417,204	3,417,204	
OPENING BALANCE	0	9,691,074	19,382,147	31,573,221	43,764,294	41,002,469	38,240,644	35,478,820	32,716,995	36,134,199	39,551,403	42,968,608	
CLOSING BALANCE	\$9,691,074	\$19,382,147	\$31,573,221	\$43,764,294	\$41,002,469	\$38,240,644	\$35,478,820	\$32,716,995	\$36,134,199	\$39,551,403	\$42,968,608	\$46,385,812	
BALANCE SHEET BALANCE				\$43,764,294				\$32,716,995				\$46,385,812	

PASCAS FOUNDATION (PNG) Inc
ESTIMATED BUILDING COSTS SCHOOL

\$ = AUD 30 Jun 20

AU\$1.00 = USD 0.75 PGK 2.50

AU\$.40 = PGK 1.00

HIGH SCHOOL

TOTAL COMPLEX

Metres Metres Total \$ M² TO BUILD
 Length Width Floor Area Cost A\$ Cost

SCHOOL building per m2				\$2,500	
building per m2 for Maths	\$1,200				
building per m2 for Technology	\$3,500				
Floor space per child (classroom, halls, toilets, admin, etc.)			33		
School student population			600		
Total building area and cost			19,800	\$2,500	\$49,500,000
Sporting fields and grounds					2,500,000
Total School Campus to be developed		students	3,000		

TOTAL BUILDING STRUCTURES M² 19,800 \$2,626 \$52,000,000
 (Cordell based estimates can be improved upon)

SITE WORKS

Site Filling		20,000	M³		50	1,000,000
	spaces	circulation	1.5			
Parking Areas	200	15	296.8	4,452	100	445,200
	per car space	5.3	2.8	14.84		
Site works			M²	800	100	80,000
Sporting Fields		20,000	M³		150	3,000,000
Services (electrical / sewer etc) transformers						5,000,000
Security fences						30,000
Security deposits Power Authority						10,000
Professional costs					6%	3,120,000
Contingency					5%	2,600,000

TOTAL CONSTRUCTION \$67,285,200

LAND COSTS 30,000 M³ 200 6,000,000

Stamp duty waived by Government RAIT PASCAS FOUNDATION (PNG) Inc is a charity
 PNG Special Agricultural and Business Leases (SABLs)
 'State lease' lasting a maximum of **99 years**
 Lease agreement administered under the PNG "Land Act 1996"
 Acquiring land for public purposes in Papua New Guinea comes under "Land Act 1996"

LAND & BUILDINGS

\$73,285,200

RENTAL BUDGET

19,800 M² \$370.13 M²
 10.0% pr anm \$7,328,520



PASCAS FOUNDATION (PNG) Inc
ESTIMATED BUILDING COSTS TAFE
Technical And Further Education
TAFE

			\$ = AUD	30 Jun	21
			AU\$1.00 = USD 0.75	PGK 2.50	
			AU\$.40 =	PGK 1.00	
	Metres	Metres	Total M ²	\$ M ²	TO BUILD
	Length	Width	Floor Area	Cost	A\$ Cost

TOTAL COMPLEX					
TAFE building per m2		CRAFT CREATIONS		\$2,750	
building per m2 for Maths	\$1,200				
building per m2 for Technology	\$3,500				
Floor space per child (classroom, halls, toilets, admin, etc.)				33	
School student population				600	
Total building area and cost			19,800	\$2,750	\$54,450,000
Sporting fields and grounds buildings					2,500,000
Total TAFE Campus to be developed		students	3,000		
TOTAL BUILDING STRUCTURES		M ²	<u>19,800</u>	\$2,876	\$56,950,000
(Cordell based estimates can be improved upon)					

SITE WORKS

Site Filling		20,000	M ³		50	1,000,000
	spaces	circulation	1.5			
Parking Areas	200	15	296.8	4,452	100	445,200
	per car space	5.3	2.8	14.84		
Site works			M ²	800	100	80,000
Sporting Fields		20,000	M ³		150	3,000,000
Services (electrical / sewer etc) transformers						5,000,000
Security fences						30,000
Security deposits Power Authority						10,000
Professional costs					6%	3,417,000
Contingency					5%	2,847,500
TOTAL CONSTRUCTION						\$72,779,700

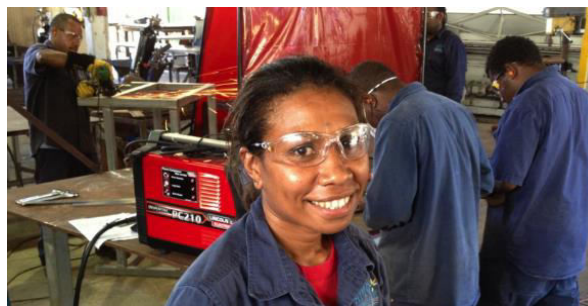
LAND COSTS

	30,000	M ³		200	6,000,000
--	--------	----------------	--	-----	-----------

Stamp duty waived by Government RAIT PASCAS FOUNDATION (PNG) Inc is a charity
 PNG Special Agricultural and Business Leases (SABLs)
 'State lease' lasting a maximum of **99 years**
 Lease agreement administered under the PNG "Land Act 1996"
 Acquiring land for public purposes in Papua New Guinea comes under "Land Act 1996"

LAND & BUILDINGS

	19,800 M ²	\$397.88 M ²			\$78,779,700
RENTAL BUDGET	10.0% pr anm	\$7,877,970			



PASCAS FOUNDATION (PNG) Inc **\$ = AUD** **30 Jun** **22**
ESTIMATED BUILDING COSTS UNIVERSITY AU\$1.00 = USD 0.75 PGK 2.50
(5 Campus = 1 University) AU\$.40 = PGK 1.00
HIGH SCHOOL equivalent + **\$ M²** **TO BUILD**
TOTAL COMPLEX **Cost** **A\$ Cost**

UNIVERSITY building per m2						\$3,200	
building per m2 for Maths	\$1,200						
building per m2 for Technology	\$3,500						
Floor space per child (classroom, halls, toilets, admin, etc.)					33		
University student population					1,000		
Total building area and cost					33,000	\$3,200	\$105,600,000
Sporting fields and grounds buildings							2,500,000
Total University Campus to be developed			students		5,000		
TOTAL BUILDING STRUCTURES (Cordell based estimates can be improved upon)			M ²		<u>33,000</u>	\$3,276	<u>\$108,100,000</u>

SITE WORKS

Site Filling		20,000	M ³		50		1,000,000
	spaces	circulation					
Parking Areas	200	15	296.8		4,452	100	445,200
	per car space	5.3	2.8		14.84		
Site works			M ²		800	100	80,000
Sporting Fields		20,000	M ³		150		3,000,000
Services (electrical / sewer etc) transformers							5,000,000
Security fences							30,000
Security deposits Power Authority							10,000
Professional costs					6%		6,486,000
Contingency					5%		5,405,000
TOTAL CONSTRUCTION							<u>\$129,556,200</u>

LAND COSTS 100,000 M³ 200 20,000,000

Stamp duty waived by Government RAIT PASCAS FOUNDATION (PNG) Inc is a charity
 PNG Special Agricultural and Business Leases (SABLs)
 'State lease' lasting a maximum of **99 years**
 Lease agreement administered under the PNG "Land Act 1996"
 Acquiring land for public purposes in Papua New Guinea comes under "Land Act 1996"

LAND & BUILDINGS **\$149,556,200**

RENTAL BUDGET 33,000 M² \$453.20 M²
10.0% pr anm \$14,955,620



PASCAS FOUNDATION (PNG) Inc	\$ = AUD 30 Jun	AU\$1.00 = USD 0.75	23
HOSPITAL COST		PGK 2.50	
INVESTED FUNDS			\$
Central Location - Medium Rise - Prestige Structure			\$
LAND ACQUISITION	TEN HECTARES	\$20,000,000	
Stamp Duty	REQUIRED	1,200,000	
Legals & Commissions on purchase		100,000	
Land Cost			21,300,000
Headwork Charges			1,000,000
Civil Works			4,000,000
SITE COSTS			\$26,300,000
HOSPITAL DEVELOPMENT			
	BEDS		
BUDGET COST OF BUILDING	300	\$600,000	180,000,000
Professional Fees - Construction		12.0%	12,387,840
BUILDING COSTS			192,387,840
TOTAL GENERAL AREA FITOUT	300	\$100,000	30,000,000
TOTAL for Theatres	15	\$1,200,000	18,000,000
IMAGING SYSTEMS TOTAL			19,000,000
RADIOTHERAPY TOTAL			0
EMERGENCY CENTRE			1,500,000
MEDICAL CENTRE for Medical Practitioners			600,000
MEDICAL CENTRE for Specialists			1,000,000
MEDICAL CENTRE for Oncologist Specialists			2,200,000
PAIN CLINIC			1,200,000
PATHOLOGY LABORATORY			2,000,000
HOSPITAL EQUIPMENT COSTS			75,500,000
Stockup			5,000,000
Professional Fees - Industry Specialities			2,250,000
Development Working Capital			2,000,000
Pe-opening marketing and staffing costs			5,000,000
Working Capital			5,000,000
WORKING CAPITAL & FEES			19,250,000
TOTAL HOSPITAL DEVELOPMENT COSTS			\$313,437,840
MEDI-HOTEL with Step-Down Accommodation	ROOMS	per room	
room fitout	150	\$60,000	9,000,000
balance			3,800,000
Hotel total fitout			12,800,000
ASSOCIATED MEDICAL FACILITIES & DIVISIONS			10,000,000
ASSET DEVELOPMENT COSTS			\$336,237,840
Borrowing Costs & Share Placement Costs		3.0%	10,087,135
INTEREST PROVISION - CONSTRUCTION		8.0%	26,899,027
INTEREST PROVISION - 3 Months Operation			6,000,000
TOTAL PROJECT BUDGET			\$379,224,002
BUFFER	{ buffer offset against interest + provision }		20,775,998
FUNDING STRUCTURE			\$400,000,000



HOSPITAL EQUIPMENT

PGK 2.50

PLANT & EQUIPMENT

EQUIPMENT & FITOUT BUDGETS

	No		Total
		\$	\$
Wards - single with medical gas, ensuite etc	300	40,000	\$12,000,000
Ward area equipment			1,000,000
Day Theatre complex fitout for patients	30	25,000	750,000
Common Areas			1,500,000
Office and administration			300,000
Computer System, hardware and software			9,000,000
Telephone System			550,000
Fire Detection Systems			500,000
Signage			400,000
Sundry Provisions			4,000,000

TOTAL GENERAL AREA FITOUT	300	100,000	\$30,000,000
---------------------------	-----	---------	--------------

THEATRES

Table		\$100,000	
Theatre Lights		100,000	
Instruments		200,000	
Image Intensifier		140,000	
Anaesthesia		170,000	
Endoscopy Instruments		120,000	
Autoclaves		100,000	
Sundry		270,000	
Total per Theatre		\$1,200,000	

Total for Main Theatres	10	12,000,000	
-------------------------	----	------------	--

Total for Day Theatres	5	6,000,000	
------------------------	---	-----------	--

TOTAL for Theatres			18,000,000
--------------------	--	--	------------

IMAGING EQUIPMENT

MRI Flex Art		4,400,000	
Cardiac Catheter Lab		2,400,000	
CT Scanner Xpress SX		2,200,000	
CT Scanner Xspeed		1,800,000	
Angiography Unit		1,400,000	
Dual Head Gamma Camera		1,000,000	
Fluoroscopy Room		800,000	
General Ultrasound		600,000	
Cardiac Ultrasound		600,000	
Mobile Image Intensifier - main theatres		300,000	
Mobile Image Intensifier - day theatres		300,000	
Mammography Unit		250,000	
General Xray Room		400,000	
Tomography Room		200,000	
Mobile Xray Unit		100,000	
Laser Camera		100,000	
Monitoring Equipment, ECG/pressures		250,000	
Dark Room Agfa & Miscellaneous		150,000	
Additional Developments		1,750,000	
IMAGING SYSTEMS TOTAL			19,000,000

RADIOTHERAPY UNIT

Linear Accelerator (10MEV) - Varian		0	
Linear Accelerator (6MEV) - Varian		0	
Support Equipment		0	

RADIOTHERAPY TOTAL			0
--------------------	--	--	---

EMERGENCY			1,500,000
-----------	--	--	-----------

MEDICAL CENTRE for Medical Practitioners			600,000
--	--	--	---------

MEDICAL CENTRE for Specialists			1,000,000
--------------------------------	--	--	-----------

MEDICAL CENTRE for Oncologist Specialists			2,200,000
---	--	--	-----------

PAIN CLINIC			1,200,000
-------------	--	--	-----------

PATHOLOGY LABORATORY			2,000,000
----------------------	--	--	-----------

TOTAL FITOUT & EQUIPMENT			\$75,500,000
--------------------------	--	--	---------------------

PASCAS FOUNDATION (PNG) Inc

\$ = AUD

30 Jun

25

**ESTIMATED BUILDING COSTS FIRST AID - CLINIC-
COMMUNITY CENTRE**

AU\$1.00 = USD 0.75

PGK 2.50

AU\$.40 =

PGK 1.00

	Metres Length	Metres Width	Total Floor Area M ²	\$ M ² Cost	TO BUILD A\$ Cost
TOTAL COMPLEX					
building per m2 budget including land				\$3,000	
FIRST AID POST	Loading 30%				\$300,000
MEDICAL CLINIC	30%				1,000,000
COMMUNITY CENTRE	30%				2,000,000
MOBILE CLINIC	30%				500,000
TOTAL BUILDING STRUCTURES (Cordell based estimates can be improved upon)			M ² <u>0</u>		<u>\$3,800,000</u>
SITE WORKS					
Site Filling		2,000 circulation	M ³ 1.5	50	100,000
Parking Areas	20 per car space	15 5.3	29.68 2.8	445 14.84	100 80,000
Site works			M ² 800	100	80,000
Services (electrical / sewer etc) transformers					50,000
Security fences					30,000
Security deposits Power Authority					10,000
Professional costs				6%	228,000
Contingency				5%	190,000
TOTAL CONSTRUCTION					<u>\$4,532,520</u>
LAND COSTS	3,000		M ³	200	600,000

Stamp duty waived by Government RAIT PASCAS FOUNDATION (PNG) Inc is a charity
 PNG Special Agricultural and Business Leases (SABLs)
 'State lease' lasting a maximum of **99 years**
 Lease agreement administered under the PNG "Land Act 1996"
 Acquiring land for public purposes in Papua New Guinea comes under "Land Act 1996"

LAND & BUILDINGS

\$5,132,520

RENTAL BUDGET

0 M²
 10.0% pr anm \$513,252 M²



Load prime
 cost by
 30%

Doctors require a three- to four-year undergraduate Bachelor of Medicine program and a four-year postgraduate degree. They then spend up to two years interning and training as a resident before spending up to four years training as a fellow in their chosen speciality.

In Australia, you can expect to pay between AU\$11,000 and AU\$60,000 per year for your studies, depending on whether you have a Commonwealth Supported Place (CSP) or are paying full-fees in an accelerated program. Typical tuition fees for undergraduate medical programs are around AU\$57,760 to AU\$71,488 (February 2022). (Consider AU\$70,000)

The fees for an undergraduate (bachelor's) nursing course may range between AUD \$27,000 to \$35,000 per year. The Bachelor of Nursing is 3 years, full-time under the standard study plan. By fast-tracking you can complete the degree in 2 years, including clinical placements. For a traditional four-year bachelor of science in nursing (BSN) program, students can expect total tuition costs of at least \$40,000 (or much more).

Master of Teaching (Secondary)

Indicative first year fee AU\$30,976

University of Melbourne 2022

Indicative total course fee AU\$63,500

Secondary school teachers are responsible for teaching students in Year 7 through 12, who are generally between the age group of 12 and 18. These typically include four-year courses for individuals with a good Universities Admission Index (UAI) score and who have successfully completed Year 12. The courses combine practical and theory to give a well-rounded teaching experience.

		Total Tuition Fees				
		2022	2022	2022	2022	2022
Bachelor of Accounting		2022	\$135,600			
Bachelor of Information & Communications		2022	\$111,840			
Bachelor of Psychology		2022	\$108,480			
Bachelore of Nursing & Midwifery		2022	\$82,920			
Master of Teaching		2022	\$48,960			

SCHOLARSHIPS GRANTS		2023	2024	2025	2026	2027
Doctors	numbers	200	200	200	200	200
Nurses	numbers	400	400	400	400	400
Teachers	numbers	400	400	400	400	400
		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
		1,000	1,000	1,000	1,000	1,000
Cumulative whilst at foreign university						
Doctors	numbers	200	400	600	800	1,000
Nurses	numbers	400	800	1,200	1,200	1,200
Teachers	numbers	400	800	1,200	1,600	1,600
		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
		1,000	2,000	3,000	3,600	3,800
Tuition Fees						
	each					
Doctors	per annum	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000
Nurses	per annum	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Teachers	per annum	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Living Allowance Subsidy						
	each					
Doctors	per annum	25,000	25,000	25,000	25,000	25,000
Nurses	per annum	25,000	25,000	25,000	25,000	25,000
Teachers	per annum	25,000	25,000	25,000	25,000	25,000
Total Individual Scholarship						
	each					
Doctors	per annum	\$95,000	95,000	95,000	95,000	95,000
Nurses	per annum	60,000	60,000	60,000	60,000	60,000
Teachers	per annum	60,000	60,000	60,000	60,000	60,000
ANNUAL SCHOLARSHIP BUDGET						
Doctors	per annum	\$19,000,000	38,000,000	57,000,000	76,000,000	95,000,000
Nurses	per annum	24,000,000	48,000,000	72,000,000	72,000,000	72,000,000
Teachers	per annum	24,000,000	48,000,000	72,000,000	96,000,000	96,000,000
TOTAL SCHOLARSHIPS		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
		\$67,000,000	\$134,000,000	\$201,000,000	\$244,000,000	\$263,000,000

PASCAS FOUNDATION (PNG) Inc
ENTERPRISE AGREEMENT WAGE STRUCTURE

\$ = AUD 30 Jun 27
 AU\$1.00 = USD 0.75

	Annualised Daywork	Weekly	Hourly Overtime
GENERAL OPERATIONS			
1 Trainee Operator	\$22,880	\$440	\$13.10
2 Operator	\$24,960	\$480	\$14.30
3 Senior Operator	\$26,520	\$510	\$15.20
4 Plant Controller	\$27,560	\$530	\$15.80
5 Senior Plant Controller	\$29,120	\$560	\$16.70
6 Senior Plant / Trainer	\$30,160	\$580	\$17.30
7 Plant Specialist	\$33,800	\$650	\$19.35

ADMINISTRATION			
Secretarial / Clerical	\$26,000	\$500	\$14.90
Personal Assistant	\$31,200	\$600	\$17.85
Specialist	\$52,000	\$600	\$29.75

PRODUCTIVE HOURS per ANNUM	Weeks	Days	Hours
Weeks per year	52	260	
Less: Public Holidays (10)	2	10	76
Annual Holidays	4	20	152
Effective working weeks	46	230	
Hours worked per day			7.60
Hours worked per week			38
Employee annual productive hours per Annum			1,748

Overtime hours worked are paid at the rate being annual salary / productive hours pa

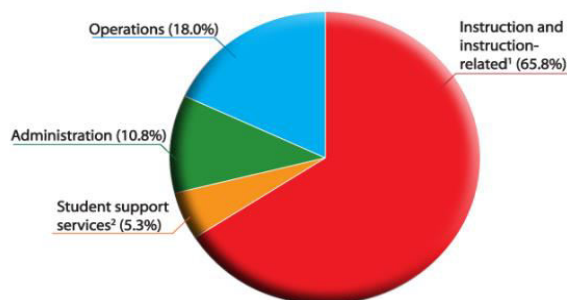
SHIFT PLATFORM	Day 7am-3pm	Night 3pm-11pm	Morning 11pm-7am
Shift Allowance	\$0.00	\$7.00	\$14.00

SUPERANNUATION			
Employer contribution as a % of ordinary time earnings	2006	9.00%	
Financial Year ending on 30 June	2009	10.00%	

WORKERS COMPENSATION 2.50%

AVERAGE WAGE Specialist	Base	On-Costs	TOTAL		
	\$26,520	20%	\$31,824		
Year	2023	2024	2025	2026	2027
Total Employees in Clinics & Schools	\$48,360	\$249,860	\$9,879,384	\$65,124,868	\$65,326,368
Employees Number	2	8	311	2,047	2,053
Employees Administration	54	107	128	150	171
Total Employed	56	115	439	2,197	2,224
Sales per Clinic & School Employee	\$39,000	\$50,375	\$51,236	\$51,314	\$51,323

Percentage distribution of total current expenditures for public elementary and secondary education



Construction Costs and Descriptors Queensland Independent Schools Block Grant Authority

	Construction Costs (per m2)	Descriptors
GENERAL LEARNING AREA (Prep)	AUD Feb 2022 \$2,550	Includes general classroom or multipurpose area, teacher work areas and general storage.
GENERAL LEARNING AREA (P &S) GENERAL LEARNING AREA (C) WITHDRAWAL / STORAGE AREA	\$2,410 \$2,410 \$2,380	
FLEXIBLE LEARNING AREA	\$2,650	Includes wet areas and/or additional storage/joinery.
HEALTH and PHYS ED	\$2,380	Includes basic gym areas and equipment stores and basic change rooms. *Excludes amenities.
SCIENCE	\$3,370	Includes laboratories and project/research labs, preparation rooms (high service costs), storage for laboratory equipment and chemicals. Basic building also reflects adjusted materials.
TECHNOLOGIES: - Design and Tech./Digital Tech. Laboratory	\$2,990	Includes provision for increased technology capability in an adaptable workspace including equipment storage and associated joinery, such as for robotics or other practical activities.
TECHNOLOGIES: - Food and fibre production - Food specialisations	\$3,260	Includes basic kitchen, pantry, laundry, storerooms and associated joinery.
TECHNOLOGIES: - Hospitality Practices (VET and/or Applied Syllabuses)	\$3,890	Includes higher density of building services and extraction system, industry relevant fit out, as well as food store, laundry, storerooms and associated joinery. *Excludes cold/cool room.

Functional Areas	Construction Costs (per m2)	Descriptors
TECHNOLOGIES e.g.: - Engineering principles and systems - Materials and technologies specialisation	AUD Feb 2022 \$2,630	Includes workshop areas, machine bays, spraying bays, wash areas, storerooms, materials storage/racking space and associated joinery. *Excludes dust extraction system.
TECHNOLOGIES e.g.: - Engineering Skills (VET and/or Applied Syllabuses)	\$2,630	Includes workshop areas, machine bays, spraying bays, wash areas, storerooms, materials storage/racking space and associated joinery. *Excludes dust extraction system.
THE ARTS: - Dance - Drama - Media Arts - Music - Visual Arts	\$3,140 \$3,140 \$3,140 \$3,140 \$2,650	Includes acoustic treatments and additional services, such as dance floors, as well as practice rooms, band rooms, recording studios, green rooms, sound booths and storage rooms. Visual Arts includes storage, associated joinery, wet areas and display areas. *Excludes associated COLA.
ADMINISTRATION (P) ADMINISTRATION (S) ADMINISTRATION (C)	\$3,070 \$3,040 \$3,040	Reception, site server room, school management, business/finance and clerical support offices, work areas, secure and unsecure storage, board room/meeting rooms, staff room and amenities, sickbay, finishes and fixtures of appropriate quality, internal travel and other areas deemed necessary for the operation of the school.
AMENITIES (P) AMENITIES (S)	\$4,330	Includes toilets, urinals, disabled/ambulant toilets, showers, sinks, and cleaner rooms. NOTE- rate for 2020 includes higher proportion of open space.
APPLIED TECHNOLOGIES	\$3,890	Higher density cabling for electrical and communications purposes resulting in a high heat load (such as a server room or comms space) requiring provision of air- conditioning. May also require acoustic treatment, due to the technology-based activity occurring within, such as Media Arts or Film and Television and New Media. *Excludes wi-fi service.
COVERED LUNCH AREA	\$1,130	Attached or detached (close proximity to other serviced structure), on ground, paving, tilted roof.

Construction Costs and Descriptors Queensland Independent Schools Block Grant Authority

Functional Areas	Construction Costs (per m2)	Descriptors
COVERED OUTDOOR LEARNING AREA (COLA)	AUD Feb 2022 \$1,130	Attached or detached (close proximity to other serviced structure), on ground, paving, tilted roof, open aired. NOTE- COLA area up to 40m2, larger emphasis on lighting.
ENGINEERING - Plant Room	\$1,890	Includes plant rooms e.g., switchboard, air conditioning.
HPE SPORTS AREA	\$1,130	Attached or detached (close proximity to other serviced structure), on ground, paving, tilted roof. NOTE- painted floor, basic line marking, possible small stage for assembly purposes or block wall for ball sports, some lighting.
LIBRARY/RESOURCE CENTRE (P) LIBRARY RESOURCE CENTRE (S) SENIOR STUDY CENTRE LIBRARY/RESOURCE CENTRE (C)	AUD Feb 2022 \$2,600 \$3,040 \$3,040 \$3,040	Includes all circulation spaces, reading rooms, individual study areas, work rooms, satellite libraries, storage rooms and associated joinery. *Excludes any server room or other areas reliant on higher density cabling for electrical and communications purposes.
MULTIPURPOSE HALL	\$2,540	Includes large, open span structure, hardstand floors, basic line marking, and natural ventilation. *Excludes amenities and sprung floors.
PERFORMANCE HALL	\$3,290	Includes provision for higher standard of finishes, stage, basic lighting and curtaining. *Excludes amenities.

TRAVEL ENCLOSED & STAIRWELLS

\$2,510

Includes enclosed pedestrian travel, such as stairwells, corridors and hallways.

TRAVEL LINK	\$800	Based on detached structure, basic frame, roof, simple lighting, ground slab as covered pedestrian walkway
TRAVEL UNENCLOSED	\$630	Based on attached structure, basic frame, roof, simple lighting, light ground pavement as pedestrian walkway between buildings. NOTE- also basic veranda on one side of building, 1st and/or 2nd floor, up to 3m wide. *Excludes uncovered paths. (refer Sundry Allowances- Landscaping)

Functional Areas	Construction Costs (per m2)	Descriptors
TUCKSHOP	AUD Feb 2022 \$4,940	Includes service areas such as service counter, roller doors, sink and food preparation areas such as benches and associated joinery. High intensity of building services and security. NOTE- Small area (10-20m2) *Excludes cold/cool room.

UNDERCROFT

DORMITORY ACCOMMODATION (inc. ensuites)

\$ 850 Includes basic structure to building works above, basic lighting and minimal walls.

\$2,840 Includes basic framed structure with dedicated ensuite.

DORMITORY ACCOMMODATION (inc. shared ensuites)	AUD Feb 2022 \$2,680	Includes basic framed structure, shared ensuite between multiple accommodation spaces (1, 2 or 4 beds sharing same service corridor). Higher density amenities.
SUPERVISORS ACCOMMODATION	\$2,840	Includes basic framed structure, with dedicated ensuite, kitchenette, area for single bed. NOTE- Studio type unit (35-45)

The current population of Papua New Guinea is 9,221,543 based on projections of the latest United Nations data.

The UN estimates the July 1, 2022 population at 9,292,169. say **9,300,000**

Predictions for the population of Papua New Guinea are 10,486,891 in 2030, 12,224,302 in 2040, and 13,871,403 by 2050.

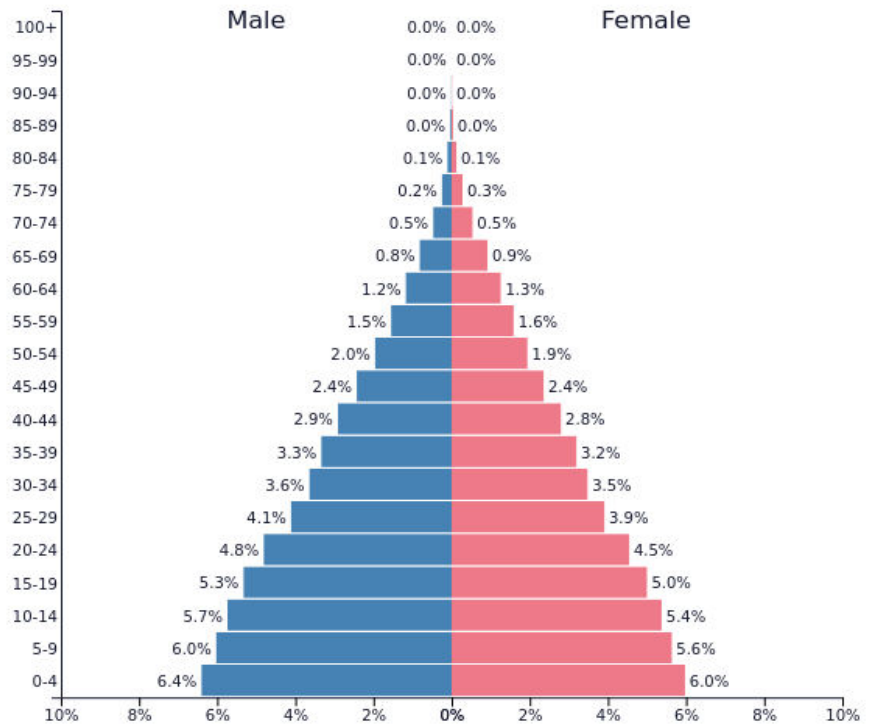
Births per Day	659
Deaths per Day	183

The median age in Papua New Guinea is **22.4 years**.

Age structure

0-14 years:	34.45%	(male 1,169,870/female 1,128,631)
15-24 years:	19.77%	(male 668,327 /female 650,672)
25-54 years:	36.43%	(male 1,253,827/female 1,177,004)
55-64 years:	5.30%	(male 179,075/female 174,721)
65 years and over:	4.05%	(male 139,060/female 131,242) (2015 est.)

Religions	
Roman Catholic	27.00%
Protestant	69.4%
Evangelical Lutheran	19.50%
United Church	11.5%
Seventh-Day Adventist	10.00%
Pentecostal	8.60%
Evangelical Alliance	5.20%
Anglican	3.20%
Baptists	2.50%
Other Protestant	8.9%
Bahá'í	0.3%
Indigenous beliefs and other	3.30%



PopulationPyramid.net

Papua New Guinea - 2020
Population: **8,947,027**

Papua New Guinea is **the most linguistically diverse country**, despite its relatively small population. A likely reason for the country's linguistic diversity is its isolation from modern life. Over 80% of Papua New Guinea's population lives in rural areas and has minimal contact with external influences or other tribes.

English is the main language of government and commerce. In most everyday **contexts** the most widely **spoken language** is Tok Pisin ("Pidgin Language"; also called Melanesian Pidgin or Neo-Melanesian).

In addition to the official **languages**, there are more than 800 distinct indigenous languages belonging to two radically different language groups—Austronesian, to which the local languages classified as Melanesian belong, and non-Austronesian, or Papuan.

Corruption is rife in Papua New Guinea (PNG). According to The Economist, "PNG's governments are notorious for corruption, and ever run the risk of turning the state into a fully-fledged kleptocracy".

Transparency International's 2016 Corruption Perception Index ranks the country 142th place out of 180 countries.

Despite Papua New Guinea's (PNG) current extractives-led economic boom, an estimated 40% of the country lives in **poverty**.

Pressing human rights issues include gender inequality, violence, corruption, and excessive use of force by police.

Problems in the country

- Women's and Girls' Rights. ...
- Children's Rights. ...
- Police Abuse. ...
- Corruption. ...
- Asylum Seekers and Refugees. ...
- Land Rights. ...
- Disability Rights. ...
- Sexual Orientation and Gender Identity.





Population 8.251 million (2017)



Estimate 2022 population is 9 million

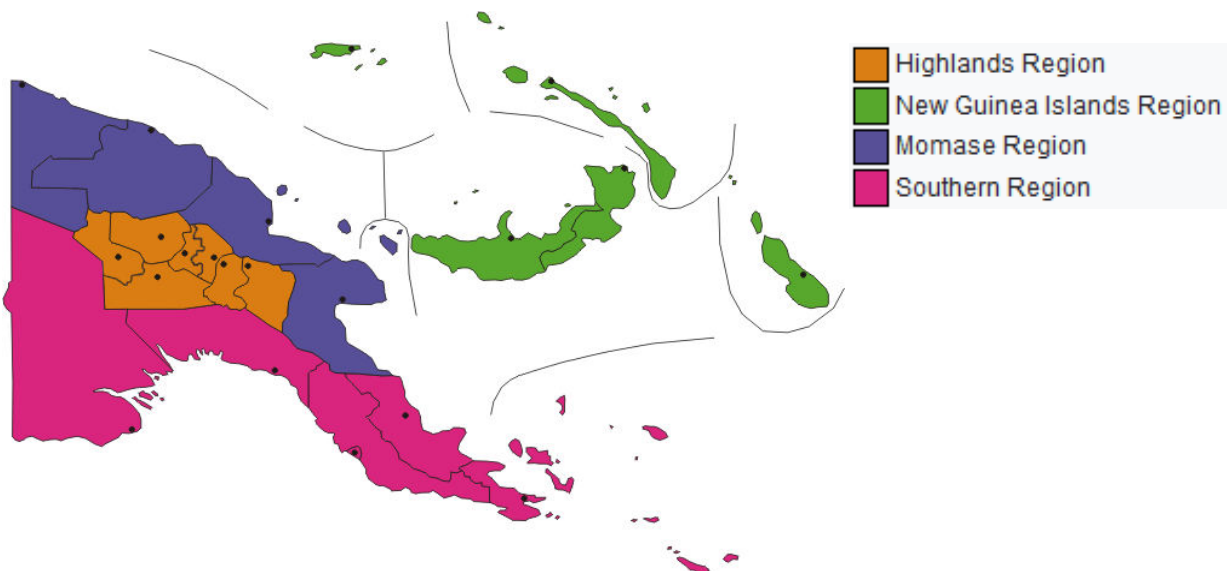
13.0 % of the population is **urban** (1,137,684 people in 2019)
 The **median age** in Papua New Guinea is **21.7 years**.

Gross domestic product USD 21.09 billion (2017)
 GDP per capita USD 2,556 (2017)

Name	Population	Map of Consciousness
1 Port Moresby National Capital	283,733	200
2 Lae Morobe	76,255	210
3 Arawa Bougainville	40,266	200
4 Mt Hagen Western Highlands	33,623	190
5 Popondetta Northern Province	28,198	200
6 Madang Madang	27,419	225
7 Kokopo East New Britain	26,273	190
8 Mendi Southern Highlands	26,252	200
9 Kimbe West New Britain	18,847	190
10 Goroka Eastern Highlands	18,503	200
11 Wewak East Sepik	18,230	205
12 Bulolo Morobe	16,042	215



# (map)	Region	Province	Capital	Population (2011 census)	Map of Consciousness	
	1 Southern Region	Central	Port Moresby	269,756	191	
	2 Highlands Region	Chimbu (Simbu)	Kundiawa	376,473	190	
	3 Highlands Region	Eastern Highlands	Goroka	579,825	193	
	4 Islands Region	East New Britain	Kokopo	328,369	197	
	5 Momase Region	East Sepik	Wewak	450,530	200	
	6 Highlands Region	Enga	Wabag	432,045	198	
	7 Southern Region	Gulf	Kerema	158,194	190	
	8 Momase Region	Madang	Madang	493,906	198	
	9 Islands Region	Manus	Lorengau	50,231	194	
	10 Southern Region	Milne Bay	Alotau	276,512	200	
	11 Momase Region	Morobe	Lae	674,810	197	
	12 Islands Region	New Ireland	Kavieng	194,067	195	
	13 Southern Region	Oro (Northern)	Popondetta	186,309	197	
	14 Islands Region	Autonomous Region of Bougainville	Buka	249,358	195	
	15 Highlands Region	Southern Highlands	Mendi	510,245	195	
	16 Southern Region	Western (Fly)	Daru	201,351	190	
	17 Highlands Region	Western Highlands	Mount Hagen	362,850	191	
	18 Islands Region	West New Britain	Kimbe	264,264	195	
	19 Momase Region	Sandaun (West Sepik)	Vanimo	248,411	198	
	20 Southern Region	National Capital District	Port Moresby	364,125	200	
	21 Highlands Region	Hela	Tari	249,449	195	
	22 Highlands Region	Jiwaka	Banz	343,987	198	
PAPUAL NEW GUINEA				2021 – 2022	9,000,000	202



There are four regions, each of which comprises a number of provinces:

Highlands Region: Chimbu (Simbu), Eastern Highlands, Enga, Hela, Jiwaka, Southern Highlands, and Western Highlands.

New Guinea Islands Region: Bougainville (North Solomons), East New Britain, Manus, New Ireland, and West New Britain.

Momase Region: East Sepik, Madang, Morobe, and Sandaun (West Sepik).

Southern Region: Central, Gulf, Milne Bay, Oro (Northern), and Western (Fly River).

Hela province is one of Papua New Guinea's newest provinces, formed from three Southern Highlands districts in 2012. The capital being Tari. The Province of Hela consists of the districts of (1) Komo / Margarima (Mr Rait), (2) Tari / Pori (PM), and (3) Koroba / Kopiago.

Papua New Guinea consists of 22 provinces with each having a governor elected to the federal government and 89 districts making for 111 elected members of parliament.

MAP OF CONSCIOUSNESS

Level	Log
ENLIGHTENMENT	700-1000
PEACE	600
JOY	540
LOVE	500
REASON	400
ACCEPTANCE	350
WILLINGNESS	310
NEUTRALITY	250
COURAGE	200
PRIDE	175
ANGER	150
DESIRE	125
FEAR	100
GRIEF	75
APATHY	50
GUILT	30
SHAME	20

PERSONALITY TRAITS:

Less than two dozen people on planet Earth.

Would not pick up a weapon let alone use it. These people gravitate to the health industry and humanitarian programs.

Debate and implement resolutions without argument and delay. 470

Debate and implement resolutions in due course. 440

Debate and implement resolutions with some degree of follow up generally needed. 410

Management supervision is generally necessary.

Politics become the hope for man's salvation.

Cause no harm to others starts to emerge. Power overrides force.

Illness is developed by those man erroneous emotions that calibrate 200 and lower.

Armies around the world function on pride. Force is now dominant, not power.

Harm of others prevails, self-interest prevails.

Totally self-reliant, not God reliant.

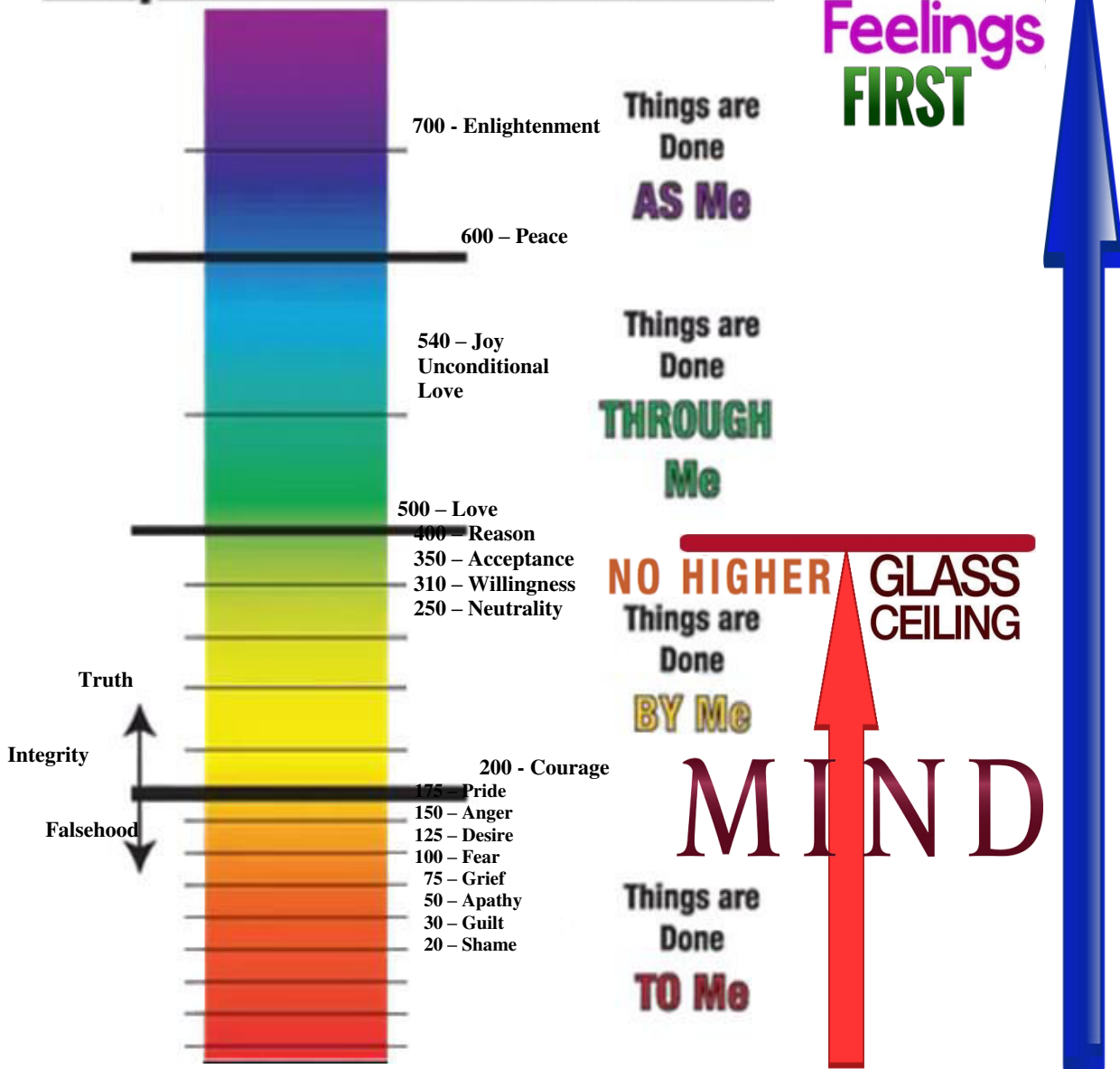
Fear dominates all motivation.

Suicide is possible and probable.

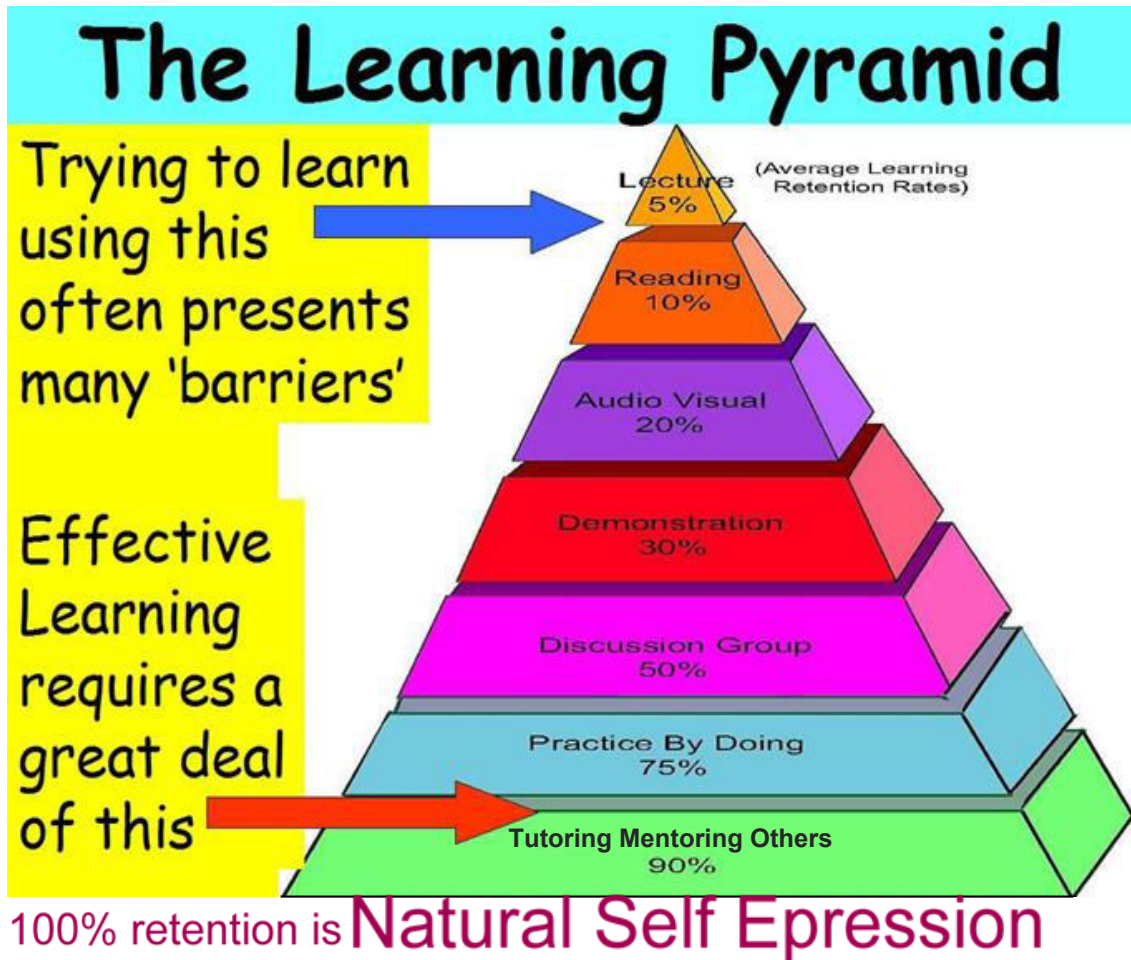
At these levels, seriously harming others for even trivial events appears to be justifiable.

Poverty, unemployment, illness, etc., this is living hell on Earth.

Map of Consciousness



Correlation of Levels of Consciousness – Soul Condition – and Society Problems				
Level of Consciousness	Rate of Unemployment	Rate of Poverty	Happiness Rate "Life is OK"	Rate of Criminality
600 +	0%	0.0%	100%	0.0%
500 - 600	0%	0.0%	98%	0.5%
400 - 500	2%	0.5%	79%	2.0%
300 - 400	7%	1.0%	70%	5.0%
200 - 300	8%	1.5%	60%	9.0%
100 - 200	50%	22.0%	15%	50.0%
50 - 100	75%	40.0%	2%	91.0%
< 50	95%	65.0%	0%	98.0%



<u>MoC</u>	No. of Countries	Average MoC	Average Life Expectancy	Human Development Index	Happiness Index	Education Index	Per Capita Income 2020
400s	10	406	78.50	0.939	6.8	.861	US\$54,010
300s	13	331	71.77	0.798	5.9	.684	US\$17,827
200s	10	232	69.45	0.759	5.8	.648	US\$16,972
High 100s	18	176	69.00	0.724	5.2	.639	US\$9,900
Low 100s	7	129	61.88	0.653	4.7	.567	US\$2,628
Below 100	11	66	52.73	0.564	4.2	.488	US\$2,658
WORLD		220	70				US\$10,900

When educators do not know what it is that they are teaching - that is the subject of Medicine!

Doctors do not know what the cause is of any illness - that is maybe why they have identified more than 10,000 illnesses and diseases!

Education and Health systems are now to EVOLVE!

The elephant in the room being: CHILDHOOD SUPPRESSION

The pathway forward is to embrace: FEELING-HEALING



**our MIND is a CONTROL ADDICT!
our MIND is addicted to UNTRUTH!
our MIND cannot discern TRUTH!**

**our MIND is within our SPIRIT BODY
and orchestrates our physical BRAIN.**

ASSUMPTIONS are the product of our MIND!

HEALING ends
MIND-CONTROL!



**our SOUL is our TRUTH!
our FEELINGS are our TRUTH!
FEELINGS FIRST, mind to follow!**

**all we need is WITHIN.
our MIND suppresses FEELINGS.**

The 111 MPs share over K15 million every year, over half a million Kina every fortnight. **Prime minister** earns the highest salary and probably the highest paid public servant in the country, not the Chief Justice. Provincial governors are at the bottom of MPs pay scale earning 5 times less than the PM at nearly K3000.

Papua New Guinea Doctors are among the most highly paid public servants, earning **between K80,000 and K295,000** a year. Average PGK 116,000 per annum

A person working in **Doctor / Physician** in **Papua New Guinea** typically earns around **9,650 PGK** per month. Salaries range from 3,540 PGK (lowest average) to 16,300 PGK (highest average, actual maximum salary is higher).

Registered Nurse (RN) Jobs by Salary	PNG Average
Registered Nurse (RN), Operating Room	K 36,690
Registered Nurse (RN)	K 16,200
Clinical Operations Manager	K 103,200
Clinical Supervisor	K 27,709
Director of Health Services	K 1,593
Health Manager	K 95,000
Health Program Officer	K 1,100



The starting salary of Secondary School Teacher is **between K 23,639.00 and K 27,810.00** whereas the maximum salary range is between K 42,230.00 and K 48,565.00. The average hourly pay of Secondary School Teacher is K 15.60. The maximum hourly wage is between K 16.50 and K 19.00.

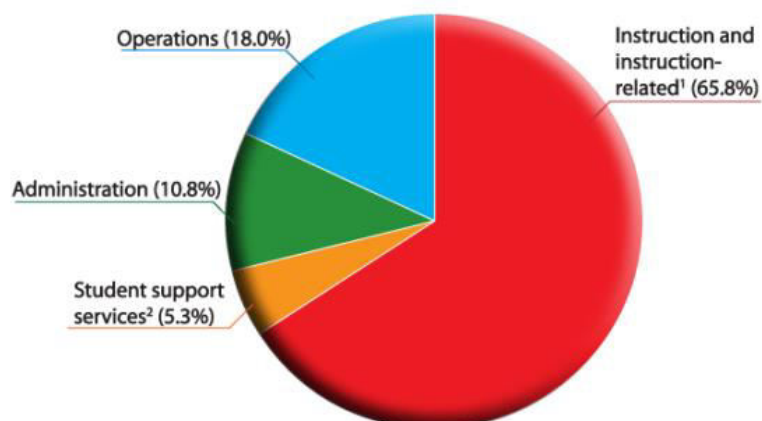
The starting salary of Primary School Teacher is **between K 893.00 and K 1,050.00** whereas the maximum salary range is between K 35,360.00 and K 40,664.00. The average hourly pay of Primary School Teacher is K 14.42.

What is the average salary in Papua New Guinea?

The Anker Living Income Reference Value for 2020 for rural Papua New Guinea is **PGK 1,593 per month (US \$460)**.

This is the estimated monthly cost of a basic but decent standard of living for a typical family in rural Papua New Guinea in 2020.

Percentage distribution of total current expenditures for public elementary and secondary education



Appx. Yearly Minimum Wage

Rank by Min. Wage

Gross National Product

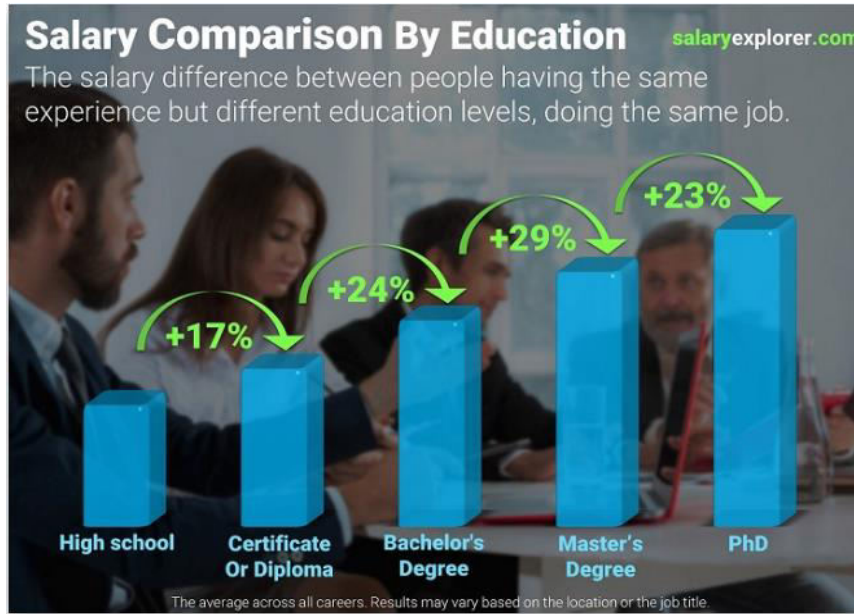
\$3,304.00 USD

53 / 197

\$4,988.00 USD

Papua New Guinea's minimum wage is 3.20 Papua New Guinean kina per hour for adult workers in the private sector.
 PGK 3.20 = AUD 1.28 per hour
 Papua New Guinea's minimum wage was last changed in 1-Aug-2014.

Minimum Wages in Papua New Guinea remained unchanged at 140.80 PGK/Week in the third quarter of 2021 from 140.80 PGK/Week in the second quarter of 2021.
 PGK 140.80 = AUD 56.32 per week



Academic Advisor	52,900 PGK	Language Instructor For Expatriate	32,700 PGK
Academic Coach	51,100 PGK	Law Teacher	54,800 PGK
Academic Manager	55,900 PGK	Learning Designer	46,600 PGK
Academic Specialist	45,200 PGK	Lecturer	65,800 PGK
Academic Staff	37,900 PGK	Librarian	32,700 PGK
Accompanist	41,200 PGK	Library Assistant	26,300 PGK
Achievement Coach	48,100 PGK	Library Director	47,500 PGK
Admissions Specialist	46,100 PGK	Library Specialist	36,000 PGK
Agricultural Sciences Teacher	38,500 PGK	Life Sciences Teacher	39,200 PGK
Anthropology Teacher	39,600 PGK	Math Lecturer	75,000 PGK
Arabic Language Teacher	38,600 PGK	Mathematics Teacher	46,500 PGK
Archeology Teacher	43,100 PGK	Mentor	45,000 PGK
Architecture Teacher	45,500 PGK	Middle School Teacher	41,200 PGK
Archivist	34,000 PGK	Music Teacher	35,500 PGK
Art Teacher	36,200 PGK	Nursery Manager	60,200 PGK
Assistant School Principal	52,700 PGK	Nursery Worker	24,200 PGK
Assistant Teacher	33,400 PGK	Paraprofessional	55,400 PGK
Biochemistry Professor	69,600 PGK	Physical Education Specialist	43,900 PGK
Biology Teacher	39,900 PGK	Physical Education Teacher	35,600 PGK
Bursary Scheme Manager	46,000 PGK	Physics Teacher	41,800 PGK
Business Teacher	41,700 PGK	Political Science Teacher	40,900 PGK
Chemistry Teacher	40,800 PGK	Post Doctoral Researcher	65,100 PGK
Child Care Coordinator	40,800 PGK	Preschool Education Administrator	44,400 PGK
Child Care Worker	31,800 PGK	Preschool Teacher	34,400 PGK
Clinical School Psychologist	60,800 PGK	Primary School Teacher	35,900 PGK
College Aide	49,100 PGK	Principal	58,400 PGK
College and Career Readiness Specialist	55,600 PGK	Product Specialist	42,800 PGK
College President	88,900 PGK	Professor - Accounting	69,000 PGK
Communications Teacher	42,700 PGK	Professor - Architecture	75,100 PGK
Community Education Officer	33,400 PGK	Professor - Biology	70,400 PGK
Computer Science Teacher	36,800 PGK	Professor - Business Administration	66,400 PGK
Computer Teacher	39,100 PGK	Professor - Chemical Engineering	77,900 PGK
Creative Writing Trainer	45,800 PGK	Professor - Chemistry	74,200 PGK
Credit Counselor	48,700 PGK	Professor - Civil Engineering	66,700 PGK
Cultural Studies Teacher	40,200 PGK	Professor - Communication	70,700 PGK
Curriculum Developer	53,600 PGK	Professor - Computer Science	72,100 PGK
Curriculum Specialist	51,500 PGK	Professor - Dentistry	72,800 PGK
Demonstrator	34,900 PGK	Professor - Drama	71,600 PGK
Deputy Controller of Examinations	48,700 PGK	Professor - Economics	74,800 PGK
Director of Learning Technology	54,300 PGK	Professor - Education	71,300 PGK
Distance Learning Coordinator	46,100 PGK	Professor - Electrical Engineering	79,400 PGK
Economics Lecturer	66,100 PGK	Professor - English	69,700 PGK
Education Administrator	44,000 PGK	Professor - Environmental Engineering	72,200 PGK
Education Assistant Director	54,400 PGK	Professor - Foreign Languages	71,500 PGK
Education Assistant Principal	43,500 PGK	Professor - Geological Sciences	71,800 PGK
Education Assistant Professor	55,300 PGK	Professor - History	70,100 PGK
Education Consultant	57,900 PGK	Professor - Industrial Engineering	67,300 PGK
Education Coordinator	41,000 PGK	Professor - Law	78,200 PGK
Education Counselor	48,200 PGK	Professor - Legal Support	67,400 PGK
Education Director	70,700 PGK	Professor - Liberal Arts	68,100 PGK
Education Program Specialist	50,300 PGK	Professor - Marketing	74,200 PGK
Education Researcher	55,000 PGK	Professor - Mathematics	79,700 PGK
Education Resource Specialist	44,800 PGK	Professor - Mechanical Engineering	75,400 PGK
Education Services Facilitator	45,700 PGK	Professor - Medical Administration	73,600 PGK
Educational Psychologist	59,800 PGK	Professor - Medicine	88,600 PGK
EFL Teacher	39,400 PGK	Professor - Music	65,600 PGK
eLearning Trainer	37,000 PGK	Professor - Nursing	65,200 PGK
Elementary School Teacher	31,900 PGK	Professor - Pharmaceutical Sciences	73,500 PGK
Engineering Lecturer	67,600 PGK	Professor - Philosophy	71,900 PGK
Engineering Teacher	53,600 PGK	Professor - Physical Therapy	73,000 PGK
English Teacher	35,900 PGK	Professor - Physics	80,600 PGK
ESL Teacher	41,000 PGK	Professor - Psychology	70,900 PGK
Faculty Assistant	48,900 PGK	Professor - Rehabilitation	64,000 PGK
Foreign Language Teacher	35,200 PGK	Professor - Social Work	67,300 PGK
GED Teacher	36,800 PGK	Professor - Sociology	71,200 PGK
Geography Teacher	37,900 PGK	Professor - Special Education	70,100 PGK
Head of Mathematics Department	52,800 PGK	Psychology Teacher	59,900 PGK
Head of School	63,000 PGK	Public Management Assistant Professor	59,600 PGK
High School Teacher	45,600 PGK	School Counselor	55,400 PGK
History Teacher	41,700 PGK	Science Educator	39,900 PGK
Infant Teacher	29,600 PGK	Science Laboratory Assistant	36,600 PGK
Instructional Assistant	43,900 PGK	Science Teacher	39,600 PGK
Instructor	43,100 PGK	Secondary Mathematics Teacher	41,000 PGK
Kindergarten Teacher	30,800 PGK	Secondary School Teacher	38,000 PGK

PNG TEACHERS WAGES 2

<http://www.salaryexplorer.com/salary-survey.php?loc=168&loctype=1&job=50&jobtype=1>

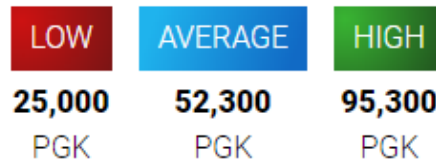
Special Education Teacher	41,700 PGK
Special Needs Assistant	32,900 PGK
Statistics Lecturer	67,200 PGK
Student Accounts Coordinator	38,200 PGK
Student Development Specialist	45,200 PGK
Student Employment Specialist	45,900 PGK
Student Services	35,900 PGK
Student Support Manager	49,400 PGK
Substitute Teacher	34,100 PGK
Teacher	36,500 PGK
Teacher Aide	32,500 PGK
Teacher Trainer	49,100 PGK
Training and Development Specialist	51,900 PGK
Training Coordinator	35,100 PGK
Tutor	37,400 PGK
University Teacher	68,300 PGK
Vocational Education Teacher	39,400 PGK



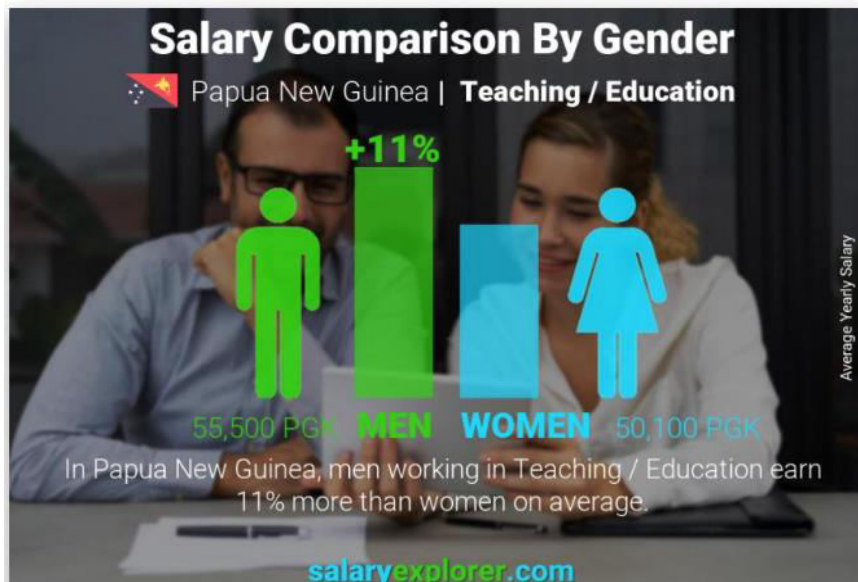
Average Yearly Salary

52,300 PGK

(4,350 PGK monthly)



Teaching / Education Salary Comparison By Gender

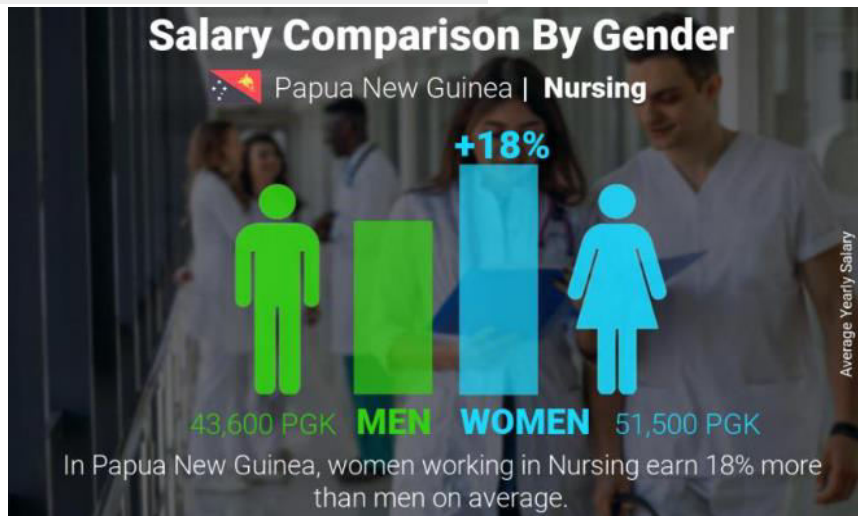
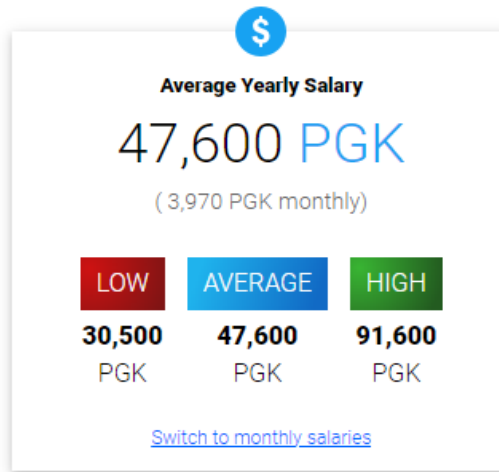


Male	55,500 PGK
Female ▼ -10%	50,100 PGK
Private Sector	45,300 PGK
Public Sector ▲ +14%	51,700 PGK

PNG WAGES NURSES

http://www.salaryexplorer.com/salary-survey.php?loc=168&loctype=1&job=12&jobtype=2

Acute Care Nurse	44,300 PGK
Assistant Director of Nursing	68,300 PGK
Case Manager	55,600 PGK
Company Nurse	30,900 PGK
Critical Care Nurse	43,600 PGK
District Nurse	36,600 PGK
Head Nurse	43,100 PGK
Home Nurse	37,200 PGK
ICU Registered Nurse	41,900 PGK
Informatics Nurse Specialist	43,000 PGK
Licensed Practical Nurse (LPN)	36,200 PGK
MDS Coordinator	42,100 PGK
Mental Health Nurse	40,000 PGK
Neonatal Nurse Practitioner	54,600 PGK
Nurse	36,300 PGK
Nurse Midwife	46,700 PGK
Nurse Practitioner	47,100 PGK
Nursing Assistant	33,300 PGK
Nursing Coordinator	46,500 PGK
Nursing Director	90,900 PGK
Nursing Services Instructor	42,200 PGK
Nursing Supervisor	60,200 PGK
Occupational Health Advisor	70,100 PGK
Occupational Therapist	63,000 PGK
Personal Support Worker	30,900 PGK
Psychiatric Nurse	38,400 PGK
Registered Nurse	39,800 PGK
Respiratory Manager	73,700 PGK
School Nurse	35,000 PGK
Staff Nurse	36,800 PGK
Theatre Manager	62,900 PGK
Utilization Review Nurse	41,700 PGK



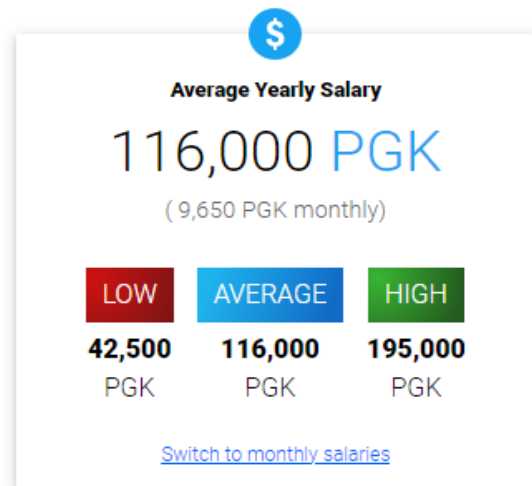
Male	43,600 PGK
Female ▲ +18%	51,500 PGK

PNG WAGES DOCTORS

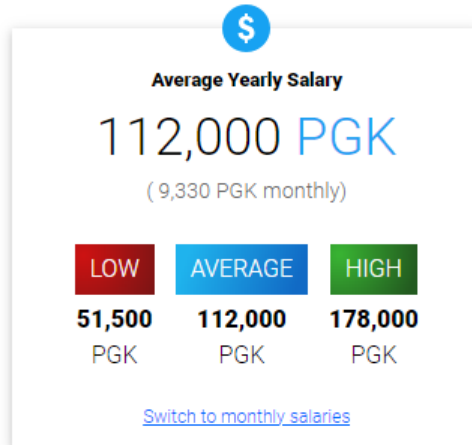
AU\$1.00 = USD 0.75

http://www.salaryexplorer.com/salary-survey.php?loc=168&loctype=1&job=13&jobtype=2#disabled

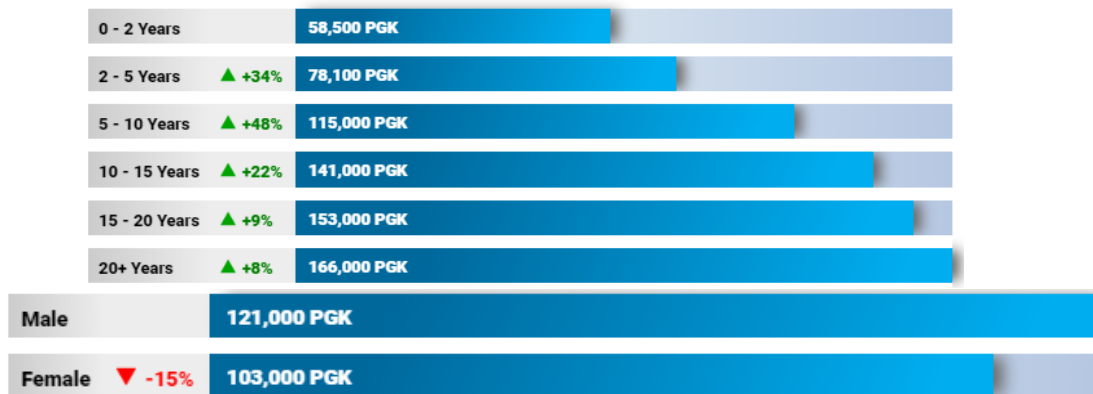
Advanced Nutrition Aide	69,100 PGK	Psychologist	124,000 PGK
Advanced Practice Provider	63,400 PGK	Psychometrician	103,000 PGK
Allergist	94,100 PGK	Radiologist	137,000 PGK
Behavioral Health Specialist	53,500 PGK	Registered Respiratory Therapist	75,300 PGK
Chiropractor	55,200 PGK	Skin Care Specialist	72,700 PGK
Clinical Psychologist	145,000 PGK	Urologist	160,000 PGK
Correctional Treatment Specialist	87,700 PGK	Vision Rehabilitation Therapist	78,500 PGK
Counseling Psychologist	111,000 PGK		
Dermatologist	137,000 PGK		
Dietitian	91,200 PGK		
Doctor	125,000 PGK		
Emergency Department Physician	103,000 PGK		
Exercise Physiologist	116,000 PGK		
Forensic Pathologist	129,000 PGK		
General Medical Practitioner	97,500 PGK		
Genetic Counselor	74,700 PGK		
Internist	144,000 PGK		
Interventionist	148,000 PGK		
Invasive Cardiologist	192,000 PGK		
Mental Health Therapist	82,200 PGK		
Naturopathic Physician	148,000 PGK		
Neurologist	143,000 PGK		
Neurophysiology Technologist	40,300 PGK		
Nuclear Medicine Physician	130,000 PGK		
Obstetrician / Gynecologist	135,000 PGK		
Occupational Health Safety Specialist	64,100 PGK		
Ophthalmologist	97,700 PGK		
Optometrist	98,100 PGK		
Pediatrician	115,000 PGK		
Physical Therapist	76,900 PGK		
Physical Therapy Director	85,900 PGK		
Physician - Anesthesiology	172,000 PGK		
Physician - Cardiology	178,000 PGK		
Physician - CCU	97,700 PGK		
Physician - Dermatology	148,000 PGK		
Physician - Emergency Room	107,000 PGK		
Physician - Endocrinology	133,000 PGK		
Physician - Family Practice	98,900 PGK		
Physician - Gastroenterology	130,000 PGK		
Physician - Generalist	101,000 PGK		
Physician - Geriatrics	93,100 PGK		
Physician - Hematology / Oncology	126,000 PGK		
Physician - Immunology / Allergy	149,000 PGK		
Physician - Infectious Disease	124,000 PGK		
Physician - Internal Medicine	146,000 PGK		
Physician - Maternal / Fetal Medicine	125,000 PGK		
Physician - Nephrology	148,000 PGK		
Physician - Neurology	144,000 PGK		
Physician - Nuclear Medicine	131,000 PGK		
Physician - Obstetrics / Gynecology	134,000 PGK		
Physician - Occupational Medicine	100,000 PGK		
Physician - Ophthalmology	91,200 PGK		
Physician - Otolaryngology	91,600 PGK		
Physician - Pain Medicine	82,800 PGK		
Physician - Pathology	102,000 PGK		
Physician - Pediatric Cardiology	135,000 PGK		
Physician - Pediatric Neonatology	125,000 PGK		
Physician - Pediatrics	109,000 PGK		
Physician - Physiatry	127,000 PGK		
Physician - Podiatry	113,000 PGK		
Physician - Pulmonary Medicine	86,600 PGK		
Physician - Radiation Therapy	152,000 PGK		
Physician - Radiology	147,000 PGK		
Physician - Rheumatology	126,000 PGK		
Physician - Sports Medicine	133,000 PGK		
Physician - Urology	167,000 PGK		
Physician Assistant	75,700 PGK		
Physiotherapist	90,300 PGK		
Podiatrist	90,500 PGK		
Preventive Medicine Physician	117,000 PGK		
Psychiatrist	122,000 PGK		



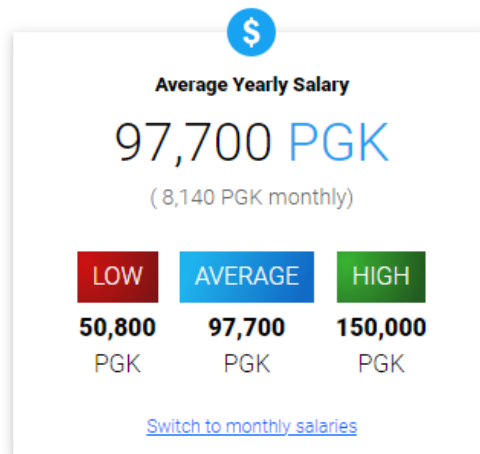
Dentist



Dentist average salary change by experience in Papua New Guinea

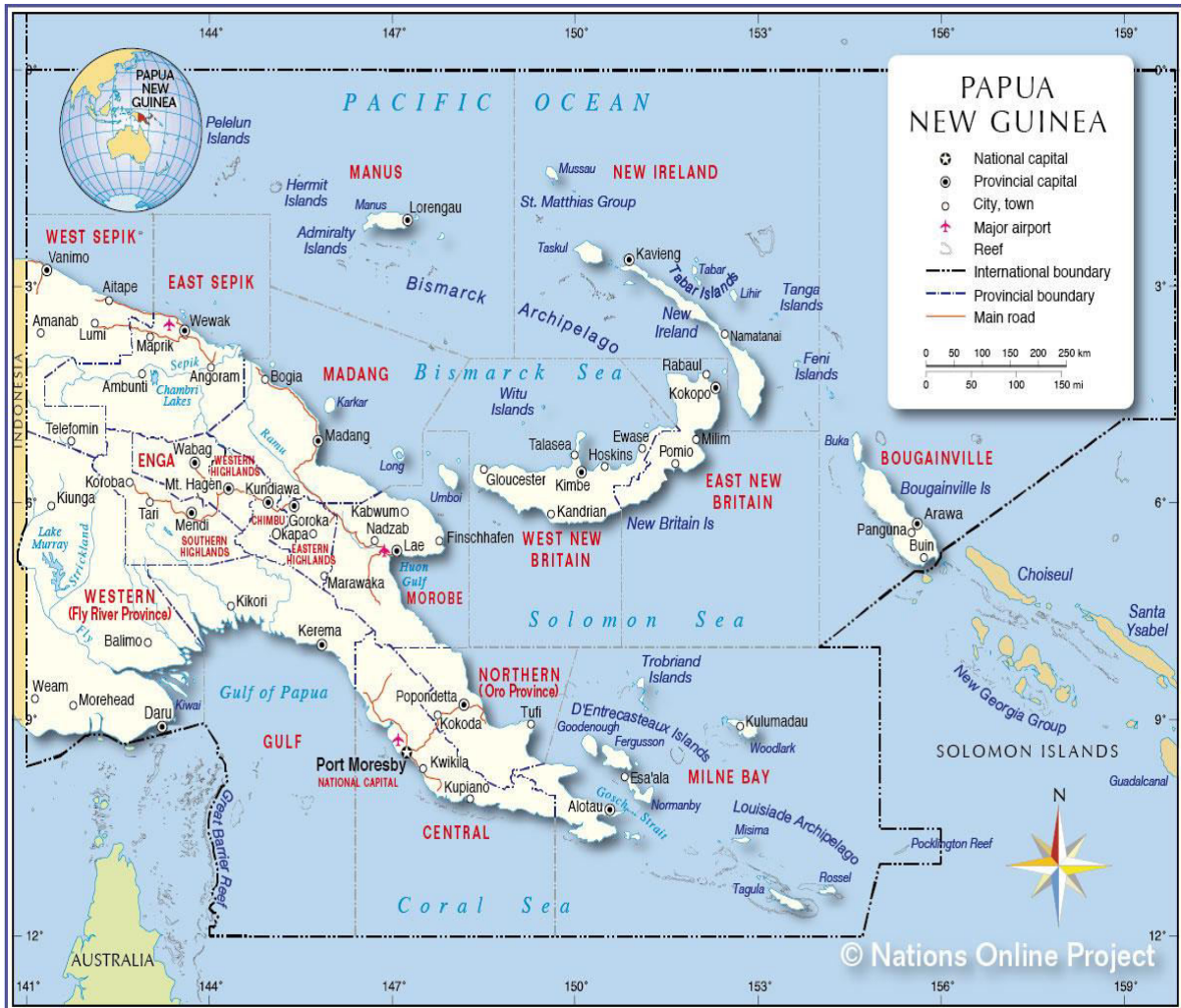


Ophthalmologist



Ophthalmologist average salary change by experience in Papua New Guinea





PNG has one of the most unusual land law systems in the world. Upon attaining independence in 1975, virtually all land in PNG was placed under customary ownership. It is estimated that some 97% of land in Papua New Guinea remains customary land.

Is it necessary to pay compensation?

Individuals who provide land for a public good are compensated because they have given up a possibly valuable asset for the benefit of the community. However, if it is a community that owns the land, as is the case with a customary landowning group, and if the land is acquired to provide a good that will benefit everyone in that community, some leaders in Papua New Guinea argue that compensation should not be paid. Some provincial governments have agreed with their constituents that compensation will not be paid in this circumstance. This approach to providing public land appears to be similar to the situation in Vanuatu.

Consider leasing land for public purposes.

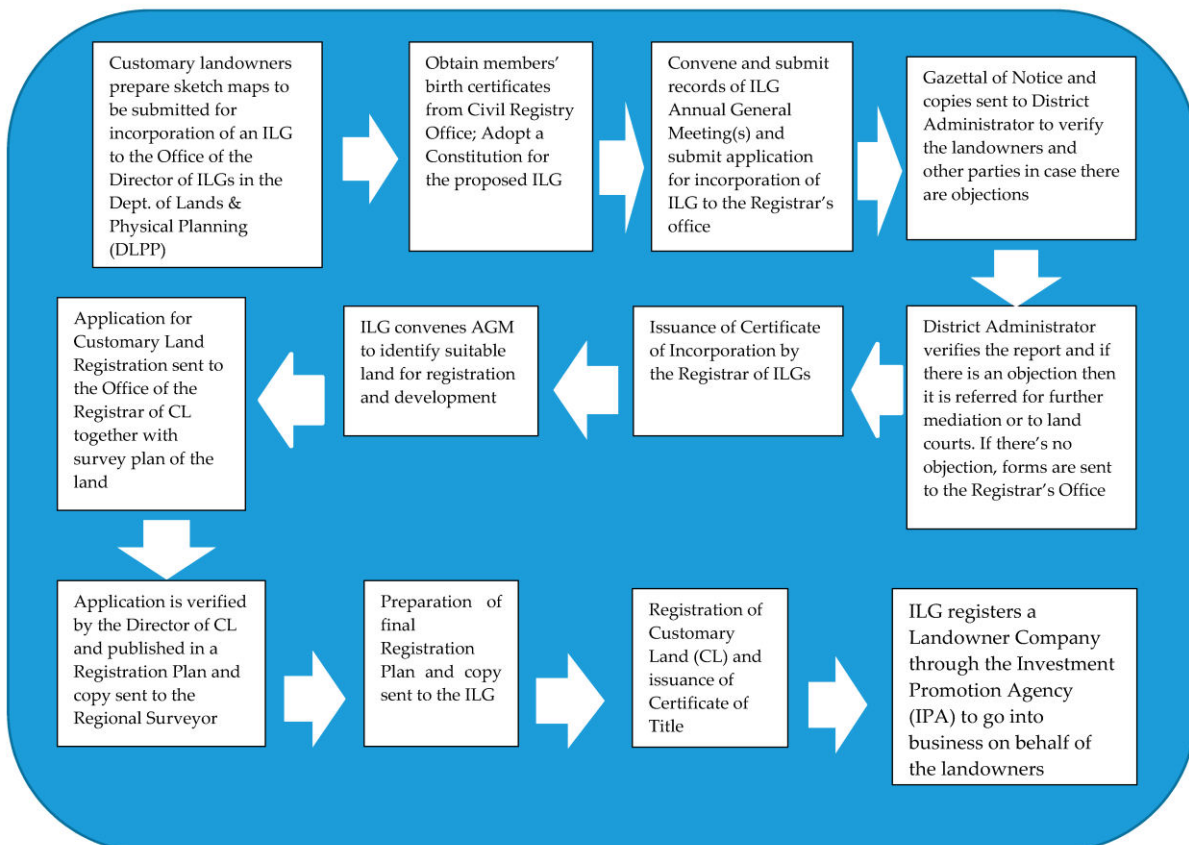
Some of the tensions surrounding the use of customary land for public purposes might be reduced if land were leased from owners rather than acquired outright through alienation. This would ensure that future generations also receive benefits, similar to those enjoyed in other lease arrangements between private users of customary land (for example, lease and lease back). If land were leased rather than acquired by the state, rents would need to be adjusted regularly relative to some measure such as the consumer price index, to ensure that the real value of the rental payment was maintained.

There is no simple way to balance the rights of customary owners with the interests of the wider community when land is acquired for public purposes. The only way to do it successfully is to ensure that the landowners receive 'fair and just' compensation based on a properly assessed value of their land at the time of acquisition or adjudication. A number of laws and agencies exist to handle this. These laws and the offices set up to administer them have demonstrated that they can work. An ongoing adjustable rent based on inflation or the unimproved capital value of the land may be a better way to ensure that owners and their descendants are fairly recompensed over time than outright acquisition.

In Fiji land can be returned to customary ownership if the public purpose lapses. This option, if incorporated into the system of land acquisition in Papua New Guinea, might help in some cases to address intergenerational issues if landowners knew that the land would be returned to them at some time in the future.

Incorporated Land Group (ILG) refers to an organized customary group legally given recognition to their corporate nature under the ILG Act. It is a legal mechanism whereby customary groups are empowered to do business, hold, dispose, manage and deal with land in their customary name.

The **ILG** is a legal entity empowered by legislation passed in 1974 to give legal and formal recognition, protection and powers to customary landowning groups in PNG.



1 Hectare

10,000 square metres
 Residential home lots 20 metres x 20 metres may be a home site without services.
 however:
 1 acre typically yields 4 home sites
 1 hectare typically yields 10 home sites

Road frontage small home site	PGK 100,000				Inflation Discount Factor 8.00%	Cash Flow received
Without road frontage small home site	PGK 50,000 being AUD	\$20,000	Holding and selling costs	10% Net		
Typically yield	Home sites sales	Lot Gross				
year 0	0	-	-	-	\$18,000	-
year 1	1	\$20,000	\$2,000	\$18,000	15,235	\$15,235
year 2	0	-	-	-	14,016	-
year 3	1	20,000	2,000	18,000	12,895	12,895
year 4	0	-	-	-	11,863	-
year 5	1	20,000	2,000	18,000	10,914	10,914
year 6	0	-	-	-	10,041	-
year 7	1	20,000	2,000	18,000	9,238	9,238
year 8	0	-	-	-	8,499	-
year 9	1	20,000	2,000	18,000	7,819	7,819
year 10	0	-	-	-	7,193	-
year 11	1	20,000	2,000	18,000	6,618	6,618
year 12	0	-	-	-	6,089	-
year 13	1	20,000	2,000	18,000	5,601	5,601
year 14	0	-	-	-	5,153	-
year 15	1	20,000	2,000	18,000	4,741	4,741
year 16	0	-	-	-	4,362	-
year 17	1	20,000	2,000	18,000	4,013	4,013
year 18	0	-	-	-	3,692	-
year 19	1	20,000	2,000	18,000	3,396	3,396
year 20	1	20,000	2,000	18,000		
Total sales	10	\$200,000		\$180,000		\$80,471

PRESENT DAY VALUE per HECTARE LESS Profit and Risk Factor 40.00% reduction leaving **\$48,283**

Land required maximum 3,000 hectares possible maximum land site acquisition in developed area **\$144,848,665**

OVERALL SITE lost to river encroachment, unworkable terrain, and public parks and gardens 30% per hectare \$33,798

SITE AMALGAMATION BUDGET Budget value per hectare **\$33,000 AUD** appropriate when **\$100,000,000**
 being PGK 82,500 per hectare roads, airport, power, etc., are available.
for site amalgamation in remoter areas Budget value per hectare **\$16,500 AUD**
 50% being PGK 41,250 per hectare **Remote Area Budget \$50,000,000**
 (Tari / Dauli)

Housing lots are sold without sewerage, water, electricity, telephone services and often without road frontage.
 Housing lots are often as small as 20 metres by 20 metres but most have vegetable garden areas.

Landowner clans involved 32 these clans with their subclans collectively own the site to be amalgamated.
 Yaluma clan (dad) involves 1 clan being 13 sub-clans Mr Rait has interest in 20 hectares
 Page clan (mum) involves 1 clan being 9 sub-clans

Customary ownership is converted to freehold title through this process of transfer to a single ownership by PNG nationals.

PAPUA NEW GUINEA LAND OWNERSHIP

https://www.dfat.gov.au/sites/default/files/MLW_VolumeTwo_CaseStudy_12.pdf

Is it necessary to pay compensation?

P.14 / 254

Individuals who provide land for a public good are compensated because they have given up a possibly valuable asset for the benefit of the community. However, if it is a community that owns the land, as is the case with a customary landowning group, and if the land is acquired to provide a good that will benefit everyone in that community, some leaders in Papua New Guinea argue that compensation should not be paid. Some provincial governments have agreed with their constituents that compensation will not be paid in this circumstance. This approach to providing public land appears to be similar to the situation in Vanuatu.

Consider leasing land for public purposes.

P.16 / 256

Some of the tensions surrounding the use of customary land for public purposes might be reduced if land were leased from owners rather than acquired outright through alienation. This would ensure that future generations also receive benefits, similar to those enjoyed in other lease arrangements between private users of customary land (for example, lease and lease back). If land were leased rather than acquired by the state, rents would need to be adjusted regularly relative to some measure such as the consumer price index, to ensure that the real value of the rental payment was maintained.

There is no simple way to balance the rights of customary owners with the interests of the wider community when land is acquired for public purposes. The only way to do it successfully is to ensure that the landowners receive 'fair and just' compensation based on a properly assessed value of their land at the time of acquisition or adjudication. A number of laws and agencies exist to handle this.

These laws and the offices set up to administer them have demonstrated that they can work. An ongoing adjustable rent based on inflation or the unimproved capital value of the land may be a better way to ensure that owners and their descendants are fairly recompensed over time than outright acquisition.

In Fiji land can be returned to customary ownership if the public purpose lapses.

This option, if incorporated into the system of land acquisition in Papua New Guinea, might help in some cases to address intergenerational issues if landowners knew that the land would be returned to them at some time in the future.

SETTLEMENT PAYMENTS IN PAPUA NEW GUINEA – Are they Just or Unjust?

<https://core.ac.uk/download/pdf/46582738.pdf>

P.5 / 45

Settlement payments are statutorily fixed payments provided under the National Land Registration (Amendment) Act 2006 (The Amendment Act). The National Lands Commission (NLC), the body established to award settlement payments, administers this process and awards payments to customary landowners, once a parcel of land that had been formerly acquired is declared National land. Since the enactment of the NLRA the State has not settled all outstanding claims. Approximately 3% of all land in PNG is State land and 97% is under customary ownership. Furthermore, the majority of State services and infrastructure development in PNG are provided on State land, such as schools, hospitals, government administration buildings, and other infrastructure services. What is disappointing however, is that customary landowners are aggrieved by the inadequate payments made for the purchase of their customary land which provides for some of these services and infrastructure. Services that they themselves benefit from and quite often threaten to shut down these services or in some cases prevent people for using the subject services until their claims are addressed.

Hon Bryan Jared Kramer, MP Minister for Justice b.kramer@madangopenmp.gov.pg
Madang

Land required for long term community projects may best be served through land leases through the administration of the Papua New Guinea government. Where lease agreements are in place then the term of the lease would be for the number of years left to run of the maximum term of 99 years that a lease can be established.

Thus, land required would best be arranged through land leases via the Papua New Guineas government, though some land is available freehold.

The importance of land and land rights in the economic development process is paramount. Individual and secure land tenure rights are vital components of a productive agricultural sector, which is crucial to poverty alleviation and economic growth. In most instances, secure land tenure requires that legal rights to land are adequately defined and documented. Defining and documenting landowners' legal rights and the extent of the landholding are important for simplifying land transactions, using land as collateral for credit, and enabling land administration. This opens discussion on land registration systems from the perspective of a developing country's government. The titles system covers countries in transition from a state or centrally planned economy to an open market economy. Further, this considers the relative importance of land registration and asks when a formal land registration system should be established, what type of land registration system is preferable, and how to establish and maintain the system.

A sound system of land registration is underpinned by three principles:

- the insurance principle;
- the curtain principle, and;
- the mirror principle.

What Are the Basic Requirements for Registration?

- Original of the deed / instrument. ...
- Certified copy of the latest Tax Declaration of the property.
- If titled property, owner's copy of the certificate of title, and all issued co-owner's copy, if any.

For the majority of the world's poor, secure property rights are a rare luxury. Only 30% of the world's population has a legally registered title to their land. Secure land rights are important for reducing poverty and boosting shared prosperity at the country, community, and family levels. Land rights are fundamental to stimulating investment and growth, particularly in agriculture and infrastructure; for supporting countries and their people in building resilience by preventing land-takings and mitigating forced migration.

A cadastral map has four main purposes:

Provides a cartographic record of official and sometimes private land surveys and subdivisions. Facilitates the administration and transfer of land ownership. Records land ownership. Assists in the valuation and taxation of land.

A large-scale cadastral map may show the boundaries of subdivisions of land, usually with the directions and lengths thereof and the areas of individual tracts, compiled for the purpose of describing and recording ownership. It may also show culture, drainage, and other features relating to use of the land.

The PAPUA NEW GUINEA LAND TITLES SYSTEM opportunity:

By taking into consideration satellite imaging and data, low level ground penetrating aerial surveys, on the ground investigation involving drones, local people's personal experience with the land and all other data generally, PNG land records can now become world leadership in title records and systems. Data with specific land locations may capture:

- property rights and ownership
- precise boundary records
- topographical modelling
- soil types
- soil use and agricultural application and potential
- water features within the site as well as its proximity
- flood potential and history of prior water inundation events
- drainage and run off data - rates off roofs verses vegetation
- mines in the area - working and not working
- mineral layers down to, say, 600 feet, then potentially to depths of thousands of feet.
- geothermal activity and potential to harness energy
- earthquake history and potential future events
- constraints to development
- utilities coordination - poles being numbered and positioned through this mapping process
- culture of peoples in area - languages in use
- cadastral maps to reveal layers of data of the subject land
- road systems relevant to the titled land to be accessible
- history of the land ownership to be recorded during the assembling of this data base
- property rights and ownership now to be protected
- the central mapping authority to be administered under national Land Titles System Act as appropriate.

Consequently, data can then be immediately accessed and title dealings executed within hours instead of presently years.

The national management of whole of country resources can then be constructively and prudently managed for future generations.

PAPUA NEW GUINEA LAND TITLES SYSTEM budget to implement:

USD 2.5 billion

This national agenda will necessarily involve all of the population and the development of the data base thousand of nationals.

Hectares Required:	Hectares
University	200
TAFE College	100
Hospital	10
Nursing Training College	25
High School	50
Primary School Extension	15
Dauli Demonstration School Extensions	15
Dauli Teachers' College Extensions	20
Future Real Estate	30
Various Retail	25
Warehouse / Light Industrial	50
Airport	300
Police Station	7
Fire Station	5
Sewage Treatm	2
Water Treatmer	10
Motel	10
Hotel	20
Corrections Facility	30
Total:	924 hectares

Housing Land Area		Hectare to accommodate
Rural setting	garden section attached	1 10 homes
Urban setting	minor gardens	1 20 or more homes

Budget Cost For a Home: High Set USD 1 to AUD \$1.40

Manufactured by Loyal Bloom - China	Kit Homes		
2 Bedroom, LAE, A2, 108.26 sq metres		USD 91,000	AUD 127,400
Construction Costs:		USD 20,000	AUD 28,000
3 Bedroom, Rabaul, A1, 126 sq metres		USD 95,000	AUD 133,000
Construction Costs:		USD 25,000	AUD 35,000
4 Bedroom, Kokopo, 130, ##### sq metres		USD 133,000	AUD 186,200
Construction Costs:		USD 30,000	AUD 42,000
5 Bedroom, Kavieng, CC2, ##### sq metres		USD 170,000	AUD 238,000
Construction Costs:		USD 35,000	AUD 49,000

required to be **added** to budget:

Consider installation of	Installed without land	land, services + furniture		
2 Bedrooms	1 \$155,400		250	\$38,850,000
3 Bedrooms	1 \$168,000		3,000	\$504,000,000
4 Bedrooms	1 \$228,200		750	\$171,150,000
5 Bedrooms	1 \$287,000		500	\$143,500,000

HOUSING ACCOMMODATION Per Annum Budget each yr: **\$150,000,000**

What is the student population of Dauli Demonstration School? – 1,000 currently.

What are the intentions for Dauli Demonstration School:

- Expansion from 1,000 to 2,500 children
- Further acquisition for land for classrooms
- Specialised labs
- Teachers accommodation

Budget Required: **\$20,000,000**

What is the Student Population of Dauli Teachers College – 400 currently.

What are the intentions for Dauli Teachers College:

- Expansion of Primary School Teachers from 400 to 1,000, after 5 years – 1,500
- Further acquisition for land for classrooms
- Teachers accommodation
- Training program requirements for High School Teachers
- Specialised Buildings for High School Education
- Establishment of 250 High School Teachers, after 5 years – 500

Budget Required – Dauli Teachers College rebuild and expand **\$40,000,000**

Budget Required – Primary School **\$35,000,000**

Budget Required – High School **\$40,000,000**

\$135,000,000 therefore: **TARI / DAULI PROGRAM** year **\$45,000,000**

3

	DOCTORS		NURSES & MIDWIVES		TEACHER / STUDENT	
Doctors per 1,000 people:	per 1,000 people		per 1,000 people		ratio	
Papua New Guinea	2019	0.1	2019	0.5	2016	36
Australia	2018	3.8	2019	13.2	1999	18
New Zealand	2018	3.4	2018	11.1	2017	15
Singapore	2016	2.3	2017	6.2	2017	15
Fiji	2019	0.9	2019	4.0	2012	28
India	2019	0.9	2014	2.4	2017	33
Indonesia	2019	0.5	2019	3.8	2018	17
Nauru	2015	1.3	2018	7.9	2016	40
New Caledonia	1999	2.0			1991	20
Solomon Islands	2016	0.2	2018	2.2	2018	25
Timor-Leste	2019	0.8	2019	1.8	2018	27
Tonga	2013	0.5	2019	4.3	2015	22
Vanuatu	2016	0.2	2019	1.4	2015	27

Papua New Guinea

Papua New Guinea suffers from a critical shortage of human resources for health. Most recent estimates of health worker duties reflect 0.5 physicians per 10,000 population and 5.3 nurses per 10,000 population (WHO, 2008). Health services in Papua New Guinea are primarily funded by the federal government.

The health workforce is characterised by:

- an aging workforce
- low numbers of critical cadres, such as midwives and community health workers
- a de-motivated workforce due to poor working conditions including low wages and poor physical infrastructure
- insufficient training capacity to produce the number of health workers to meet population needs
- maldistribution of specialist clinical and technical skills, where 30% of skilled health professionals occupy administrative and management positions.

Physicians (per 1,000 people) in Papua New Guinea was reported at 0.0661 in 2019.

That is ONE doctor per 18,000 people

Scarcity of Doctors and Nurses:

For a population of more than nine million, Papua New Guinea has [approximately 500 doctors](#) and 4,000 nurses. The country has 0.1 physicians per 1,000 people, compared to the world average of 1.566 physicians per 1,000 people. The quality of the small healthcare force is further hindered by poor working conditions, low wages and inadequate infrastructure. These limiting factors, combined with an inefficient training capacity, reduce the scarce healthcare workers' performance in Papua New Guinea.

Even before the coronavirus Covid-19 (2019-2022), the fragile health system in Papua New Guinea (PNG) was underfunded and overwhelmed, with high rates of malaria, tuberculosis, and diabetes among its population of more than nine million. Access to hospitals is extremely limited, with 80% of the population living outside urban centres. Prime Minister James Marape has acknowledged the country has only 500 doctors, less than 4,000 nurses, and around 5,000 beds in hospitals and health centres.

TARI in HELA PROVINCE

10.Apr.18

The PNG military is flying in its own doctors and medical personnel to help out at Tari Hospital in Hela after an exodus of staff amid ongoing tribal violence.

There are unconfirmed reports eight people have died in the fighting which has also hampered relief efforts after a massive 7.5 magnitude quake in February which killed at least 125 people.

Compounding problems are the continuing aftershocks, the latest a 6.3 magnitude quake which struck Tari, the provincial capital, on Saturday, killing four people and destroying more buildings.

19.Okt.10

Reports from Papua New Guinea say there is no doctor left at the Tari district hospital in the Southern Highlands province. The hospital serves more than 300,000 people in the Hela region and has no doctor to attend to their medical and health problems.

The acting chief executive officer, Dr Bravy Koensong, reportedly left in June after threats by locals who alleged that he had mismanaged the hospital's affairs.

Nurses say that they sometimes play the part of qualified doctors to deal with common tropical sicknesses and other medical problems. But they say without a doctor to manage the affairs of the hospital, nearly half of the 46 nursing staff have walked off from their duties and are roaming around the streets of Port Moresby, Mendi, Mt Hagen and other main centres while on full pay.

How many teachers are there in Papua New Guinea?

The number of teachers in the country will increase to **more than 53,000** this year with the inclusion of graduates from teachers colleges, according to the Teaching Services Commission. 24 Jan 2016

In Papua New Guinea (PNG), primary **school** attendance is at 63.4 percent for boys and 56.5 percent for girls. Early childhood education is foundational for children's learning, but there is little to no access to this. ... Limited classroom resources and a lack of trained teachers mean education quality remains low.

Papua New Guinea

ranking	World Rank ▲	University	Det.	Impact Rank*	Openness Rank*	Excellence Rank*
1	5556	Papua New Guinea University of Technology	W	10800	7420	4736
2	5658	University of Papua New Guinea	W	9613	7420	5112
3	7463	Divine Word University	W	10749	7420	6132
4	12959	Pacific Adventist University	W	14994	7420	6775
5	13831	University of Goroka	W	21597	7420	6132
6	23053	Papua New Guinea University of Natural Resources and Environment (University of Vudal)	W	22698	7420	7190

Adult literacy rate > Total	59.6	2008	94th out of 110
Average years of schooling of adults	2.9	2000	82nd out of 100
Children out of school, primary	243,514	1989	21st out of 65
Children out of school, primary per 1000	60.02	1989	13th out of 65
Children out of school, primary, female	136,022	1989	16th out of 50
Children out of school, primary, female per 1000	33.52	1989	12th out of 50
College and university > Gender parity index	0.573	1999	95th out of 131
Government spending on education > Proportion of GDP	7.39%	1977	1st out of 51
Literacy > Female	59.30%	2003	124th out of 157
Literacy > Total population	66%	2003	129th out of 161
Primary education, duration > Years	6	2012	94th out of 200
Primary education, teachers per 1000	2.38	2006	124th out of 133
Pupil-teacher ratio, primary	35.82	2006	32nd out of 133
Pupil-teacher ratio, secondary	22.25	1998	14th out of 56
Secondary education, duration > Years	6	2012	128th out of 197

Papua New Guinea Literacy rates

Aged 15-24	66.70%	2000	30th out of 35
Aged 15-24 > Men	69.10%	2000	32nd out of 35
Aged 15-24 > Women	64.10%	2000	29th out of 35

Papua New Guinea Child care (preschool) Stats

Duration	1	2012	199th out of 204
Starting age	6	2012	2nd out of 204
Students per teacher	35.27	2002	3rd out of 125

Papua New Guinea School enrolment rate Stats

1st grade	30.91	2006	138th out of 138
1st grade > Female	28.64	2006	137th out of 137
1st grade > Male	33.05	2006	137th out of 137
5th grade	57.69	1995	40th out of 55
5th grade > Female	56.04	1995	32nd out of 47
5th grade > Male	59.09	1995	32nd out of 47

PROTECTING PNG'S TEACHERS

A major educational reform is under way in Papua New Guinea involving a major re-structure of the schooling system and new requirements for PNG's elementary and primary teachers. In 2021, the new 3-6-6 structure of schooling officially came into effect. This means that the new structure is made up of Early Childhood education (3 years), Primary education (6 years) and Secondary education (6 years). All of PNG's teachers - existing and new - are required to hold minimum Grade 12 schooling certificates as well as a minimum GPA of 2.4. This new policy has been applied in retrospect to all teachers resulting in the need for tens of thousands of teachers to re-train and up-skill.

When this was introduced, teachers had no pathway available for re-accreditation.

Papua New Guinea is a country of 850 languages, the most linguistically diverse on the planet.

A 'one-size-fits-all' approach is not always best in PNG, particularly for education. Although official languages are used in schools – English, Hiri Motu and Tok Pisin (Pidgin English) – cultural and linguistic differences mean learning is best tailored to local cultural and linguistic nuances.

DD-CODE

The Digital Dictionary Code (DD-CODE™) is a program to teach reading and speaking skills to students of all ages and ability levels and regardless of mother tongue. DD-CODE™ translates the international phonetic symbols into a coloured letter and number code format which is universal for the visualisation of syllables and the sound to letter associations required for written English. The DD-Code can be applied to ANY language.

The product imparts adult-learned reading ability, which is normally learned over many years, to very young children.

The DD-CODE is the only discovery, which can and is eliminating illiteracy all over the world, virtually overnight.

The DD-CODE (Digital Dictionary) is a 1 to 1, sound to letter correspondence without any exception to the rule.

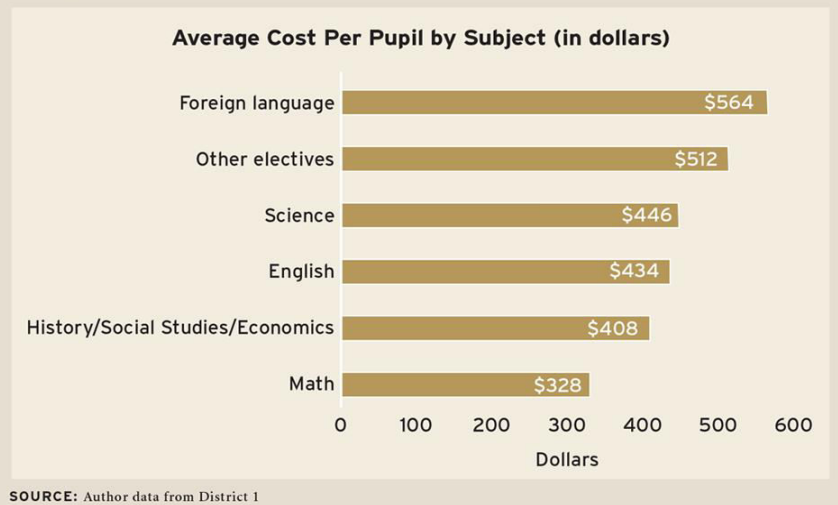
1. Training of educators to enable them to teach the reading writing of English takes ONE WEEK.
2. To enable ANYONE to read and write English fluently takes TWO weeks of full time education (5 hours a day for two weeks).

UNIVERSAL SOUND TO LETTER CODE
The Digital Dictionary Sound to Letter Code is UNINERSAL
for the 2 Million Words of Written and Spoken ENGLISH.

1. **VOWELS COLOURED RED** & CODED 1- 22 for SOUND.
2. **BLACK CONSONANTS SOUNDED PHONETICALLY.**
(DIGRAPHS: ch/tʃ, sh/ʃ, thin/θ, that/ð & treasure: 3)
3. **CONSONANTS COLOURED BLUE** 'SOUND-SWITCH'
to PHONETIC LETTER ABOVE.
4. **YELLOW LETTERS** and LETTER-**e** ENDINGS are not
SOUNDED at all.

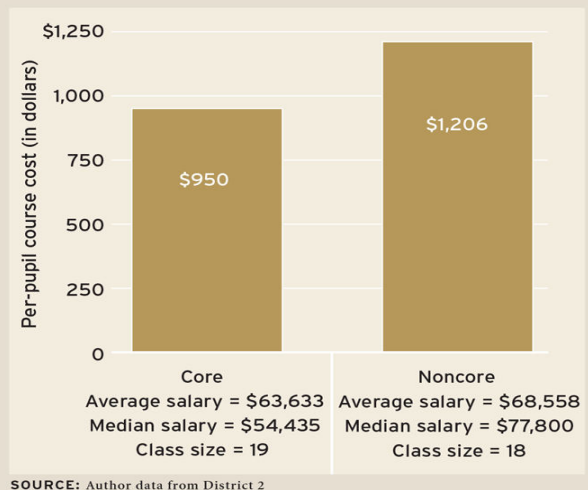
Cost by Subject (Figure 1)

In one small western district, math courses per student cost only 75 percent as much as English courses and about 60 percent as much as courses in foreign languages.



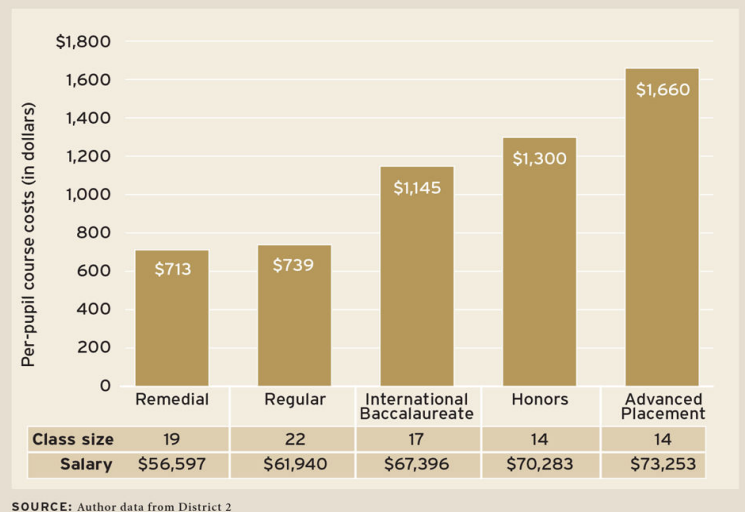
Cost Factors (Figure 2)

Teacher salary differences were more important than differences in class size in explaining the higher per-pupil costs of instruction in noncore courses in one midsize eastern district.



Cost by Course Level (Figure 3)

The midsize eastern district spends substantially more per pupil on advanced courses than on regular and remedial courses.



FACTS ABOUT THE STATE OF EDUCATION IN PAPUA NEW GUINEA

<https://borgenproject.org/education-in-papua-new-guinea/>

In 2012, Papua New Guinea's Prime Minister Peter O'Neill introduced the Tuition Fee-Free (TFF) policy aimed at eliminating tuition fees for elementary to grade 12. The policy which put into action the government's Universal Basic Education Plan 2010-2019, is PNG's fourth and longest-lasting attempt to provide free education in Papua New Guinea.

According to 2012 statistics, an estimated two million youths and adults, which accounts for about one-third of the population were out of school and unemployed. According to PNG's education minister, an estimated 10 percent of school-aged children do not even get a chance to enroll and 50 percent of those who do drop out of school before reaching the sixth grade. The country's net enrollment rate of 63 percent is the lowest in the Asia-Pacific region.

While PNG's Universal Primary Education started as a British Colonial policy, access to primary schools was expanded under the Australian administration. However, the policy favored only a select few students and those selected were males. It was not until 1981, six years after independence, that PNG started its TFF policy to attract more attention. The program was met with a lot of resistance from the newly formed provinces who considered it an act of the government taking over their newly granted authority.

After four failed attempts at providing free [education in Papua New Guinea](#), many believe that the policy is a part of the government's political agenda to get re-elected. The policy is aimed at pleasing parents and persuading the public that the policy is the solution to easing parent's burden in paying school fees. However, in a country, which ranks 136 out of 165 in corruption, it is not a surprise that huge amounts of funding meant for education went into the wrong hands resulting in ghost schools, ghost teachers and ghost management. Many schools are still forced to charge fees as the government fails to send its cheques on time.

Hasty and, in most cases, a complete lack of implementation has been considered some of the reasons for the policy's failure. Though government funding is mostly focused on fee elimination, it does little to eliminate the problem of classroom sizes. In many schools, students have been sent home due to lack of space. Infrastructure is another issue. Most schools have poor infrastructure with no plans in place for upgrading them to allow for more student intake.

However, all is not lost. UNICEF's education programs are providing the much-needed support to improve education in Papua New Guinea. In collaboration with the government, UNICEF is building a case for girl's education by reviving the Accelerating Girl's Education Steering Committee and working with schools to promote a healthy environment for students. UNICEF is also working with the Department of Education to ensure that Early Childhood Care and Development (ECCD) is appropriately addressed. UNICEF is partnering with various government departments to develop early childhood development indicators and curricula for pre-schools and Elementary teacher training colleges, a revision of ECCD Policy and ensure engagement with civil society partners.

UNICEF is also working with the Department of Education to ensure that Early Childhood Care and Development (ECCD) is appropriately addressed. UNICEF is partnering with various government departments to develop early childhood development indicators and curricula for pre-schools and Elementary teacher training colleges, a revision of ECCD Policy and ensure engagement with civil society partners.

With Papua New Guinea currently in the midst of its election season (early 2022), it is now up to the people to elect a government that will provide access and quality education of which the country is in dire need.

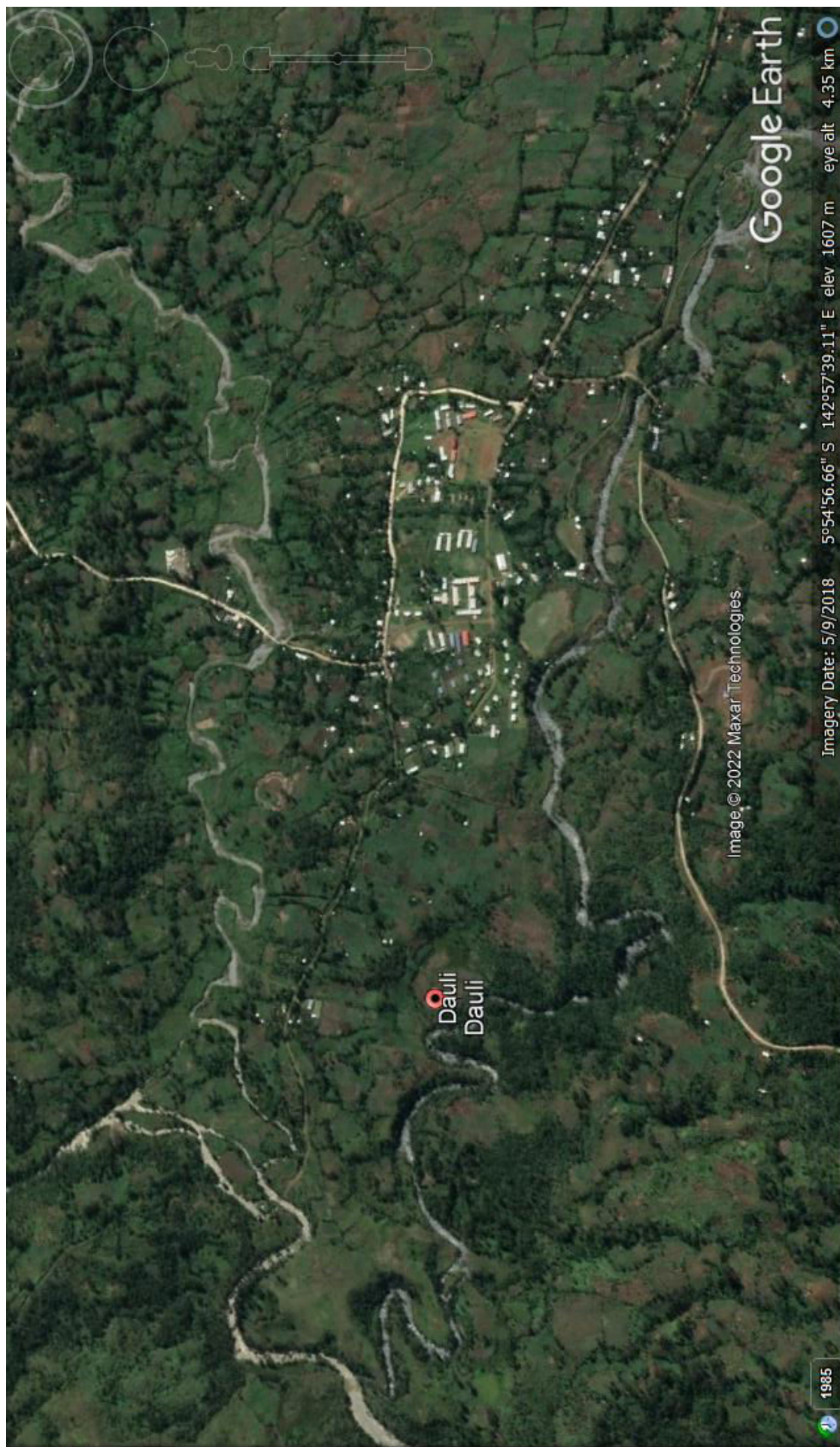
– Jagriti Misra



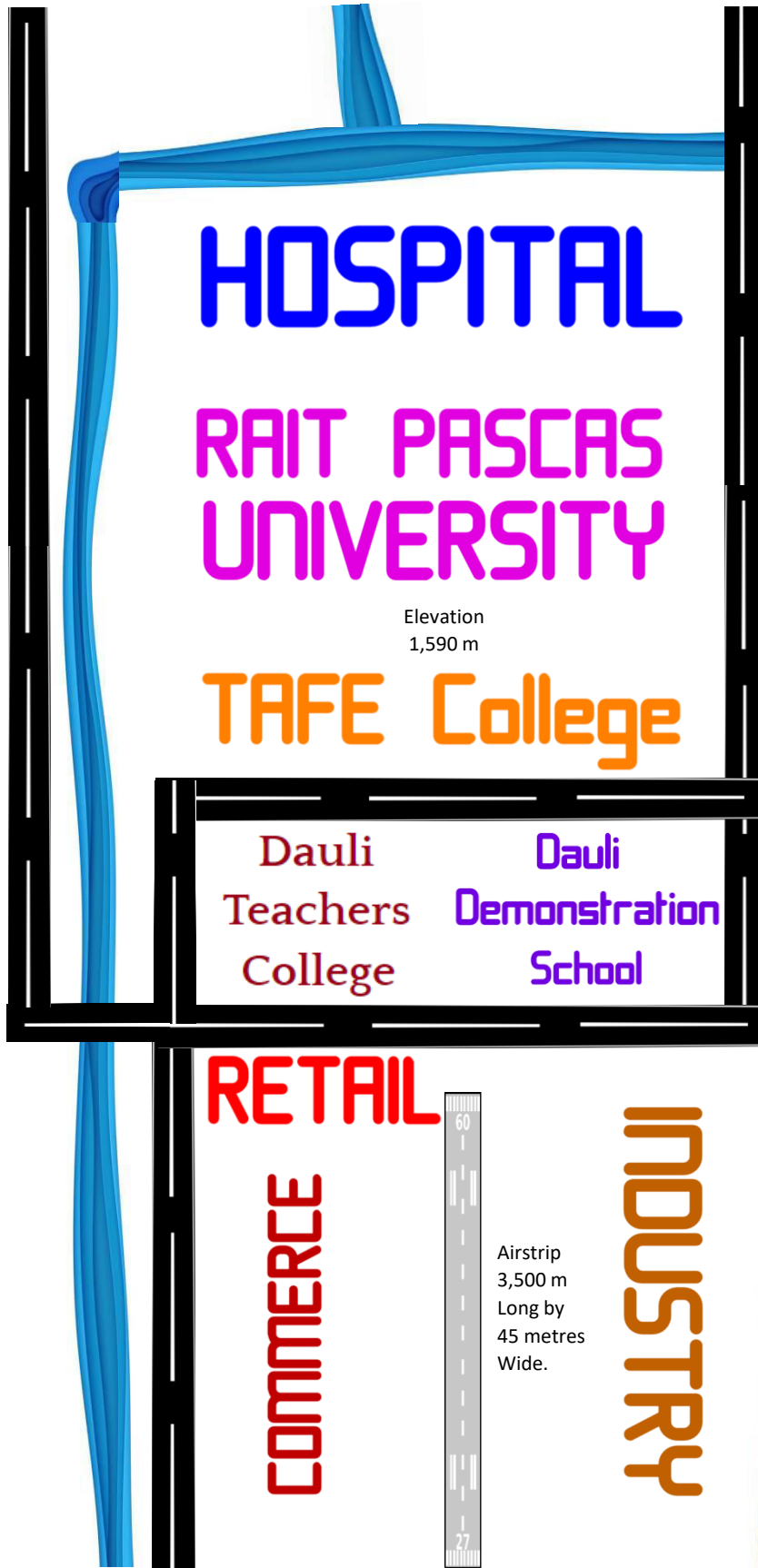
Dauli Teachers College School Fees

Boarding:	PGK6,000	AUD 2,400
Day :	PGK4,000	AUD 1,600





High Residential Area



Residential Residential



PASCAS UNIVERSITY



TAFE



Technical And Further Education Craft Creations Family Shed

x^2 Year 10

Δ Year 11

\sqrt{y} Year 12

\leq Year 7

Year 8

\approx Year 9

∞ Year 4

% Year 5

Year 6

Year 1

Year 2

\pm Year 3



KINDERGARTEN

PRESCHOOL





Benchmark Land Area required:
University of Queensland (Brisbane) 114 hectares

Incorporating sporting fields say 10 hectares

Main Building area 4 hectares to 20 hectares
1 mile² is 259 hectares
1 kilometre² 100 hectares

Urban university may be 3 hectares to 5 hectares
Rural university 10 hectares to 150 hectares
Agricultural university 1,000 hectares to 3,000 hectares

PASCAS UNIVERSITY CAMPUS 15,000 to 20,000 students
consider individual campuses of 5,000 students each

feed in schools:
HIGH SCHOOLS Yrs 7 - 12 campus 3,000 to 5,000
consider individual campuses of 600 students each



PRIMARY SCHOOLS Yrs K - 6 campus 2,000 to 4,000
consider individual campuses of 600 students each



KINDERGARTEN

PRE-SCHOOL 100 children each

PRESCHOOL

PASCAS UNIVERSITY

HIGHER EDUCATION SUBJECT GROUPINGS:



**ANIMALS AND
LAND**



**ARCHITECTURE,
BUILDING AND
CONSTRUCTION**



**ARTS,
HUMANITIES
AND LANGUAGES**



**CREATIVE ARTS,
DESIGN AND
MEDIA**



**ECONOMICS,
COMMERCE,
BUSINESS AND
MANAGEMENT**



**EDUCATION AND
TEACHING**



ENGINEERING



**HEALTH
SCIENCES
(ACADEMIC)**



**HEALTH
SCIENCES
(PROFESSIONAL)**



**HOSPITALITY,
TOURISM AND
EVENT
MANAGEMENT**



**INFORMATION
TECHNOLOGY
AND COMPUTER
SCIENCE**



**INTERNATIONAL
RELATIONS AND
DEVELOPMENT
STUDIES**



**LAW AND
CRIMINOLOGY**



**MARINE,
ENVIRONMENT
AND RENEWABLE
ENERGY**



MEDICINE



**MULTIMEDIA
MOVIES AND
MUSIC**



**NURSING,
MIDWIFERY AND
PARAMEDICINE**



PSYCHOLOGY



SCIENCE



**SOCIAL WORK
AND
COUNSELLING**



**SPORTS AND
EXERCISE
SCIENCE**

CHALDI TAFE COLLEGE

Technical and Further Education



Building and construction



Child care



Sports and fitness



Technology, information and networking



Nursing and health



Creative



Agriculture and horticulture



Automotive



Business, justice and management



Community services



Hospitality and cookery



Beauty and hairdressing



By location



Online courses



Apprenticeships



TAFE at School

Craft Creations



Fiber art

Oil painting



Magic



Papermaking



Patchwork



Taxidermy



Creative writing



Metalworking



Web design



Cardmaking



Needlework



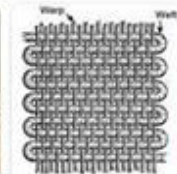
Quilting



Wood carving



Pyrography



Weaving



Upcycling



Photography



Calligraphy



Woodworking



Gardening



Watercolor painting



Toy



Quilting



Sewing



Knitting



Painting



Embroidery



Crochet



Handicraft



Drawing



Book Binding



Glassblowing



Brewing



Pottery



Scrapbooking



Origami



Cross-stitch



Floral design



Macramé



Pressed flower craft



Decoupage



Whittling



Leather crafting



Digital art



Needlepoint



Knife making



Tating



Carpenter



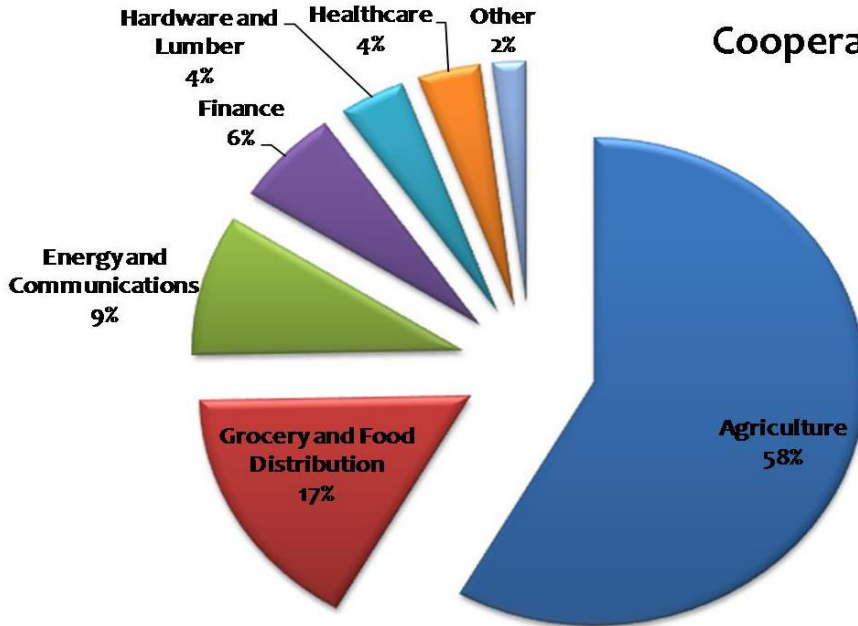
Doodle



Digital photography



Beadwork



Cooperative Activity by Sector

TYPES OF #COOPS

Co-operatives are a unique species inside the contemporary economic environment and are present in almost all its sectors

1 CONSUMER CO-OPERATIVES

Are owned and controlled by consumers. Have a strong focus on satisfying their members needs and provide a sale service focus on product quality and consumer protection.



2 HOUSING CO-OPERATIVES

Derive from consumer #coops, are owned by their residents and want to make sure that their members get good value for money and live together peacefully.



3 SOCIAL CO-OPERATIVES

Manage health and education services or are focus on the reintegration through work of disabled, long-term unemployed, former addicts...



4 PRODUCERS CO-OPERATIVES

Widespread #coops whose activities belong to the primary sector, including farming, fishing, forestry. Their members also process and sell their agricultural products.



5 FINANCIAL CO-OPERATIVES

Their members are often the account holders and they provide investment and funds for socially sustainable initiatives to support families and small enterprises



6 MULTI-STAKEHOLDERS CO-OPERATIVES

'Hybrid' kind of co-operative whose members represent more than one typical co-op ownership group, such as producers, consumers or workers. EROSKI (MONDRAGON GROUP) | Spain



7 EUROPEAN COOPERATIVE SOCIETY

Is an optional legal form and aims to facilitate co-operatives' cross-border and trans-national activities. Their members can't be based in one country and is required to unite residents from more than one country.



★ CO-OPERATIVE ENTREPRENEURSHIP

manage the venture, take risk and make decisions to create a business in a participatory way to obtain mutual benefit that is distribute with equity among them.



PLANT BASED MEAT

top meatless protein sources



10 VEGETABLES
that **PACK MORE PROTEIN THAN MEAT**





cooperative enterprise



Cooperative arrangements within communities may be focused upon small area enterprises through to whole of nation endeavours to bring to the global markets high volumes of quality goods derived through value adding processes applied to natural resources and regional produce from the land, river and sea, encapsulating all elements of farming and animal produce.

Microfinance typically engages a cooperative of around five women when financing home enterprises. A cooperative is particularly useful when local fishermen bring their catches together at canneries for preparation to market their fish to foreign markets.

The introduction of 'Craft Creations' is to enliven the community's recognition of their high quality traditional skills and then enable their customary craftware to be globally marketed through a cooperative of their own making.

This is all about cooperatives to bring to the fore traditional and innate skills that fulfil needs for people around the globe, not just the local village. A cooperative may embrace several nations.

Natural resources that may be used in producing high quality goods in large volumes include:

Forrest logs processed into high quality furniture in volume for large distribution chains.
Timber offcuts for high strength laminated beams and reconstituted timber products.
Local building systems utilising local resources for durable housing – local market solutions.
Hydroponics particularly for produce that is not native to the area and its climate.
Aquaculture in rivers, estuaries and sea to mitigate depletion of ocean resources.
Traditional home produce being increased in volume to provide famine relief worldwide.
Hemp production to be on scale to enable volumes sufficient for manufacturing processing.
Cocoa, coffee, moringa, sandalwood, tea, vanilla, plus others, cropping to be of commercial scale, cooperatively run.
All farming and animal produce come into the equation for cooperatives.

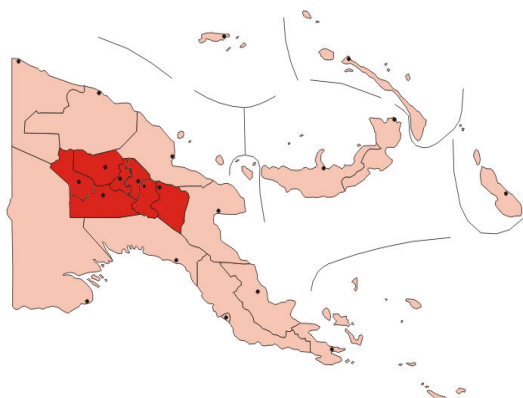
Funding availability per quarter AU **\$40,000,000**

Value adding Natural Resources!

The Highland Region is administratively divided into seven provinces:

[Chimbu \(Simbu\)](#)
[Eastern Highlands](#)
[Enga](#)
[Hela](#)
[Jiwaka](#)
[Southern Highlands](#)
[Western Highlands](#)

The Cooperative Enterprises in the highlands may be distinctly different to lowland projects. Highlands may be food basket orientated. Whereas lowlands forest products.

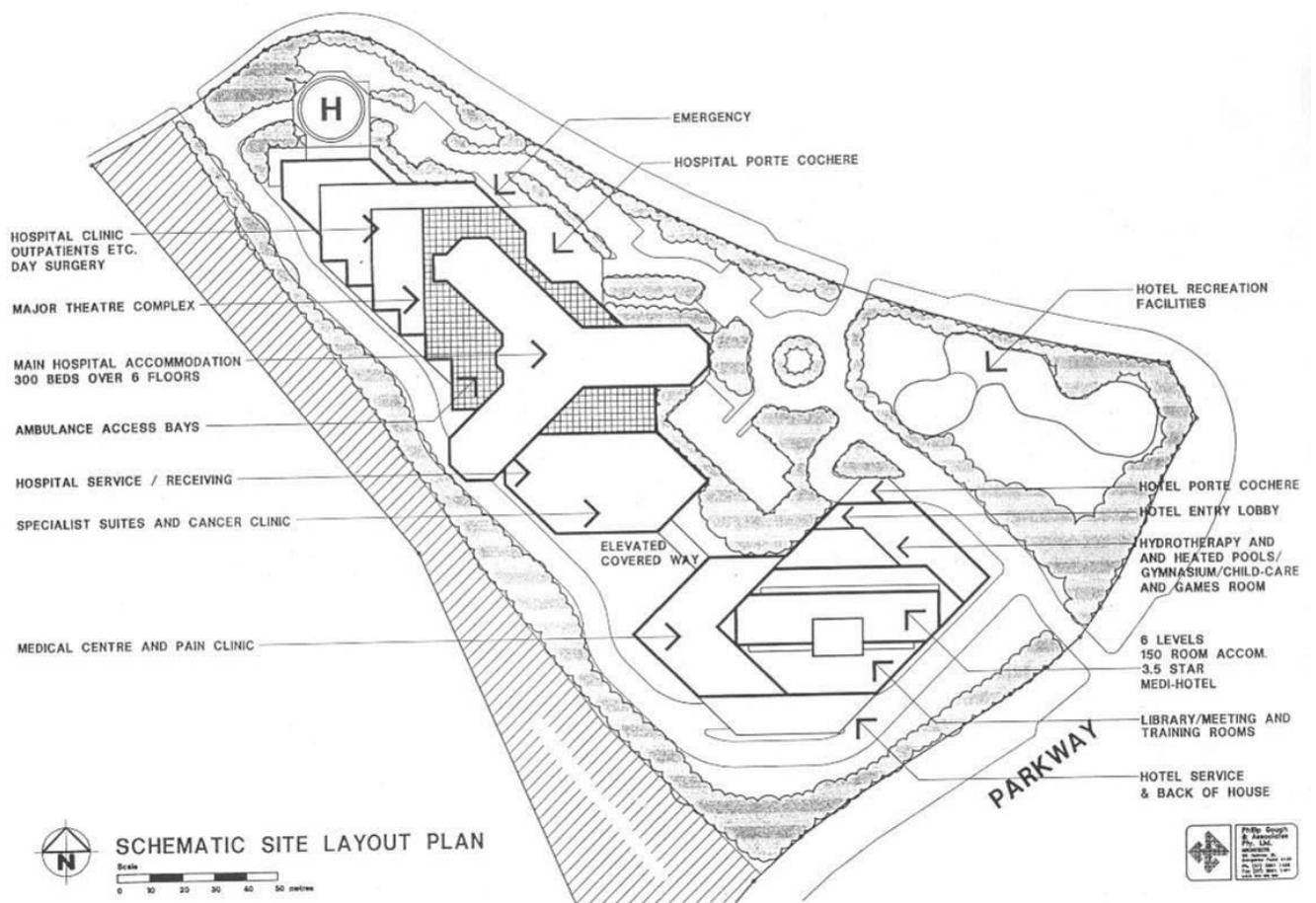


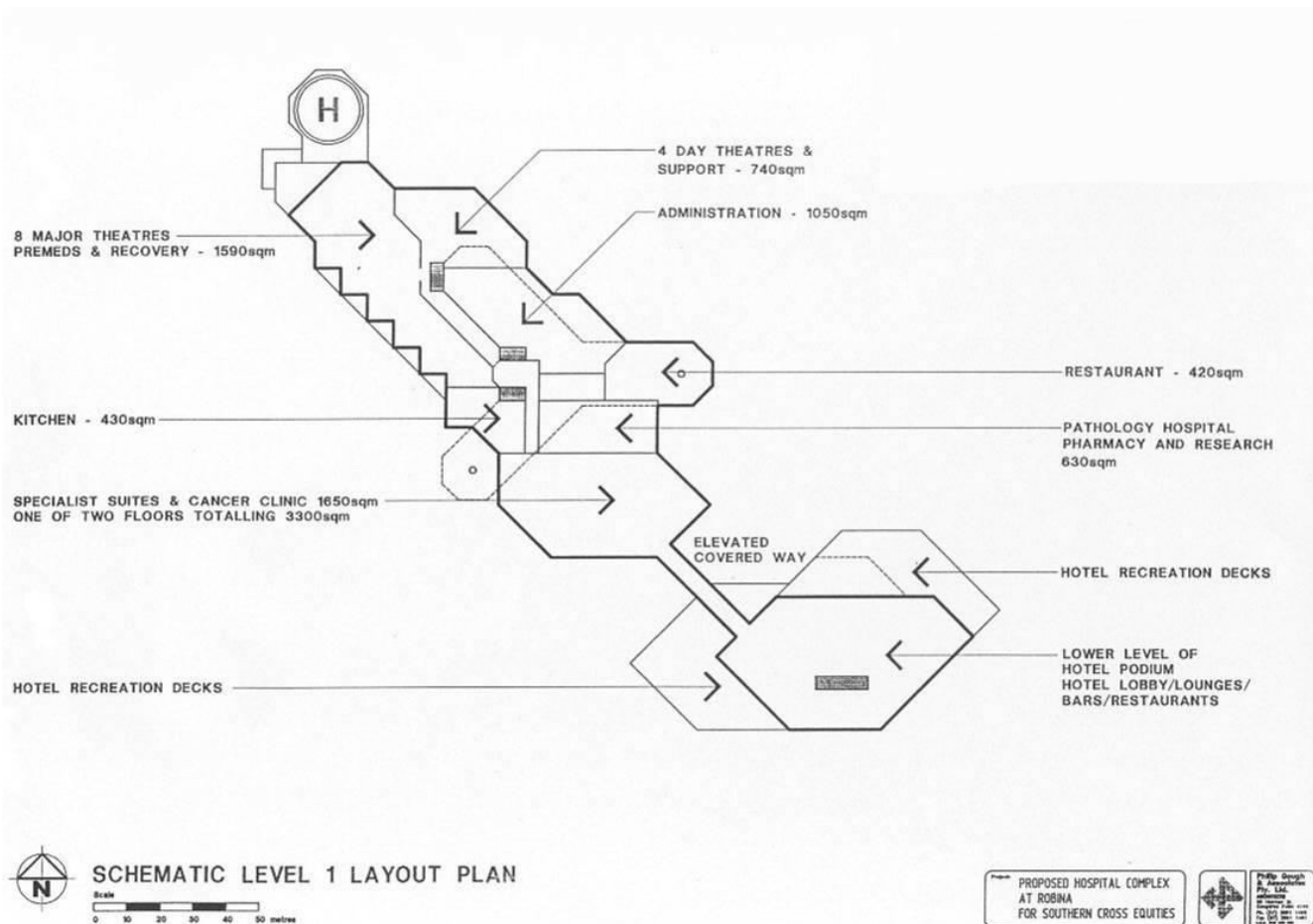
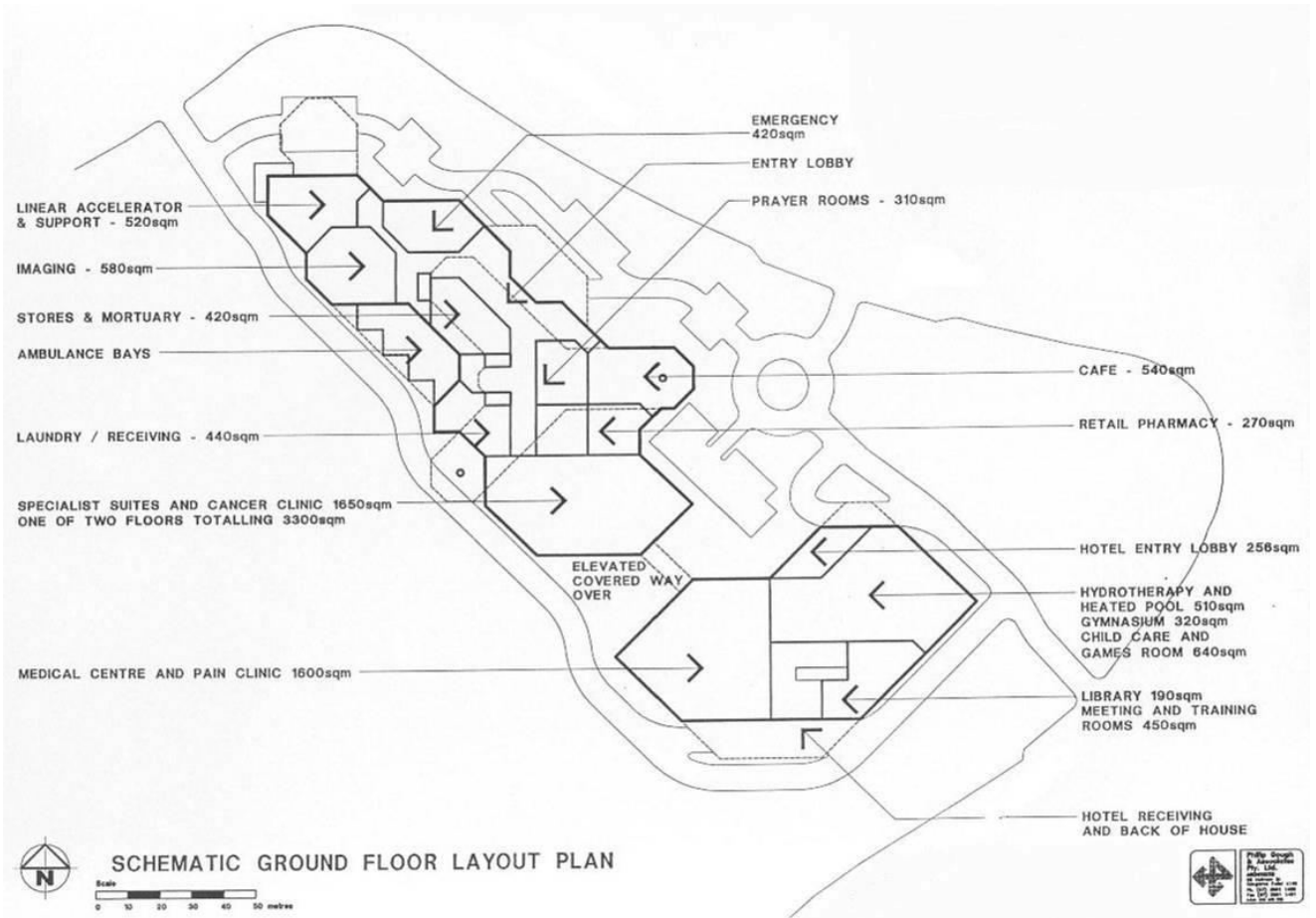
Master plan of Sunshine Coast, Queensland, University:

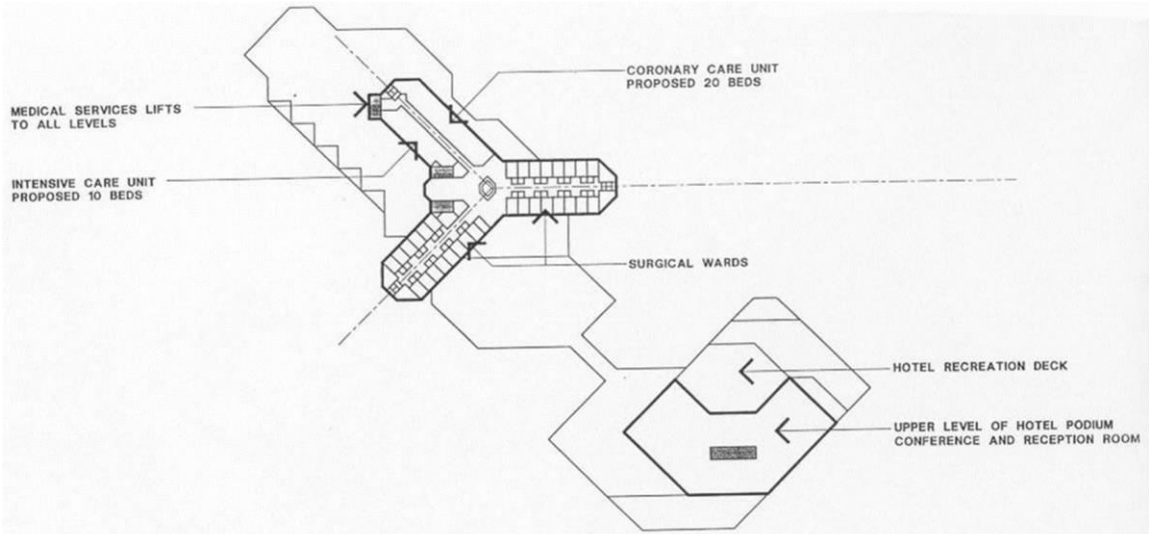




Cricket field		Acres with surrounds		hectares	
		3.30		1.50	
Football field		1.32		1.00	
Soccer		2.00		1.00	
Athletics				2.00	
Tennis / Netball / Basket Ball				1.00	
Olympic Swimming Pool				1.00	
Park and grounds				2.00	
Budget per hectare	develop	\$1,500,000	Total	9.50	Allow
				Developmental Costs	hectares
					10.00
					\$15,000,000

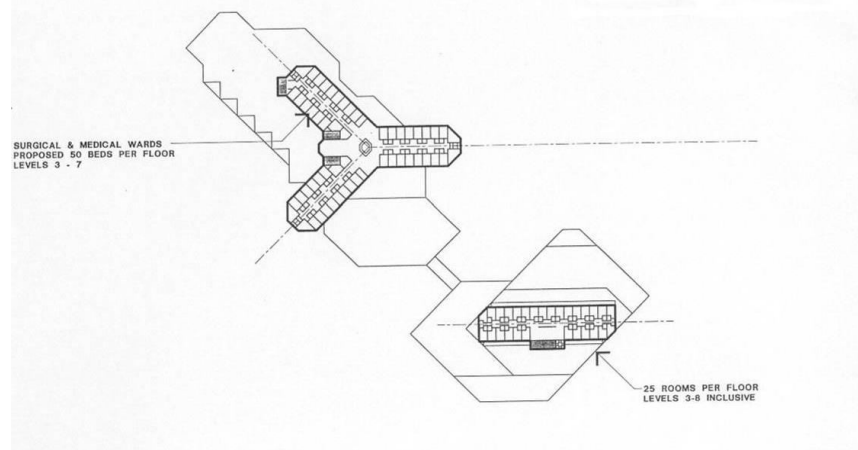






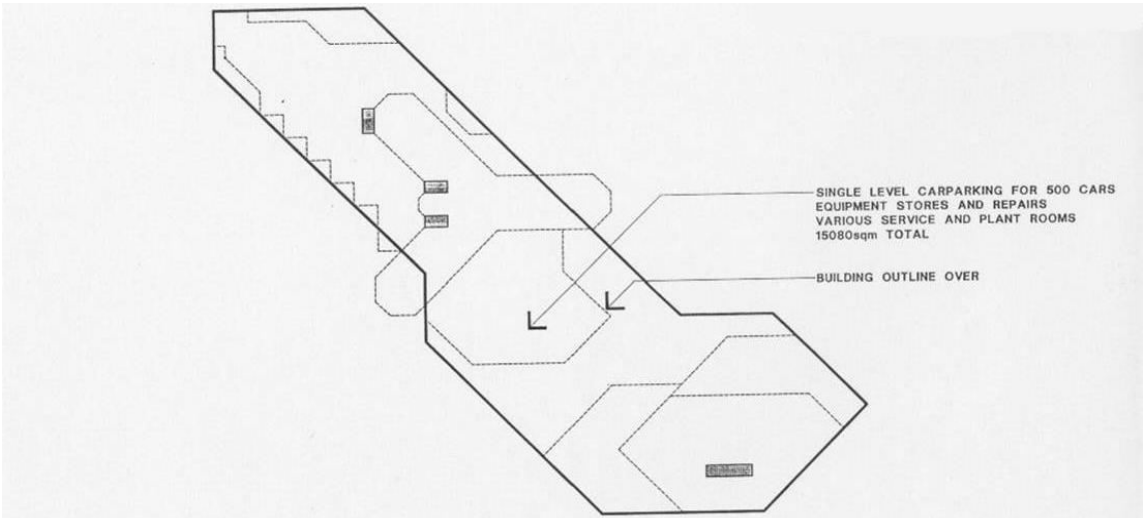
SCHEMATIC HOSPITAL LEVEL 2 & UPPER LEVEL HOTEL PODIUM

Public Group A. 1000 B. 1000 C. 1000 D. 1000
--



SCHEMATIC TYPICAL HOSPITAL & HOTEL FLOOR LAYOUT PLAN

Public Group A. 1000 B. 1000 C. 1000 D. 1000
--



SCHEMATIC BASEMENT LAYOUT PLAN





































Public Group A. 1000 B. 1000 C. 1000 D. 1000
--

Pascas Care Hospital



Pascas Care
Medical Clinic

Medical Specialties

 Geriatrics	 Obstetrics	 Postnatal Care	 pregnancy	 Cardiology	 Fetus
 Rhinology	 Pulmonology	 Dental Care	 Facial Plastic Surgery	 Gynecology	 Dermatology
 Otology	 Gastroenterology	 Hepatology	 Psychiatry	 Plastic Surgery	 Symptom Checker
 Human Brain	 Pelvic Bone	 Neurosurgery	 Chiropractic	 Hematology	 Osteology
 Breast Augmentation	 Breast Reduction	 Optometry	 Naturopathy	 Newborn	 Herbal Medicine
 Ear examination	 Eye Specialties	 Dermatology	 Neurology	 Orthopedics	 Pulmonology

Pascas Care MEDICAL CENTRE



PASCAS HOSPITAL SHIP

US \$29,480,000 Available to order (AU\$42 million – add helicopter, etc., budget AU\$50 million)

These Hospital Cats are all fully self-contained with live on-board accommodation for the medical staff as well as the crew. Vessels come with standard fit out as below and can be fitted with state of the art medical equipment (at additional cost). These vessels are both modern in the Naval design as well as being a fully functional Hospital on the water. The 60-metre vessel has been designed for coastal use as well as being able to travel up rivers to isolated communities. Construction time for this vessel is approximately 9 months.

Uses: As a fully functional modern Mobile Hospital. Disaster relief such as for Flooding, Cyclone, Tsunami, Volcano and Earthquakes. As a training centre, working together with local land-based Hospitals. Assisting the Navy as emergency and rescue vessels. Assisting search and rescues operations on or near the water.

Standard 60-metre Hospital Cat Fit-out

- Operating Theatre x 4
- Scrub Rooms x 2
- Sterilization Room x 1
- X-Ray Department x 1
- Laboratory x 1
- Dental Clinic x 1
- Gynaecology x1
- Ophthalmology x 1
- Phlebotomy Station
- General Medicine x 4
- Pre-op and Post-op 4 + 4
- Overnight Ward x 8 patients
- ICU x 6
- Patient Waiting Room
- Medical + Crew Dining Area
- Medical + Crew Galley
- Administration Office
- Helipad (Helicopter is additional)
- Elevator Twin



Vessel Particulars

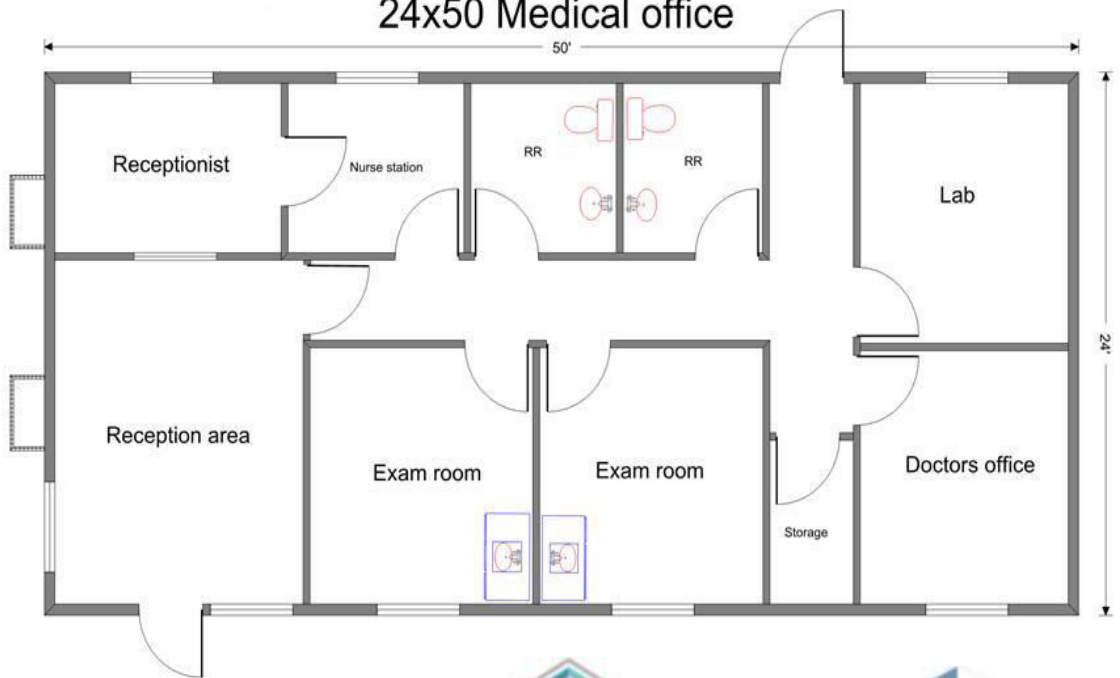
LOA: 60.00 metres WOA: 22.0 Height: 18. Draft: 2.60 metres
 Patient Beds: 80 (wards)
 Medical Staff Accommodation: 42 Berths
 Ship's Crew Accommodation: 24 Berths

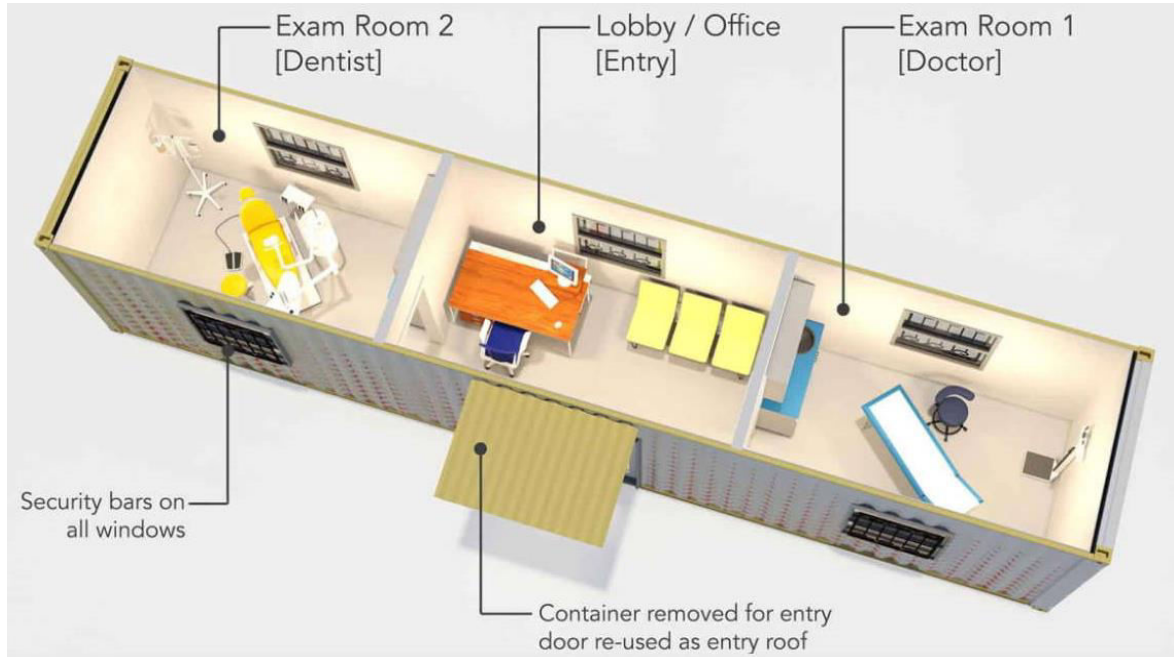
Vessels Levels

Below Deck: Engine room, Tank room and Ships crew accommodation.
 Main Deck: Patient Waiting Room, X-Ray Department, Laboratory, Dental Clinic, Gynaecology, Ophthalmology, General Medicine, Overnight Ward, Pharmacy, Phlebotomy Station, ICU stations.
 1st Level: Patient ward.
 2nd Level: Operating theatres, Overnight beds, Equipment storage, PPE storage.
 3rd Level: Medical staff accommodation, Galley + Dining area, Medical staff accommodation.
 Top Deck: Bridge, Ventilation system, Helipad

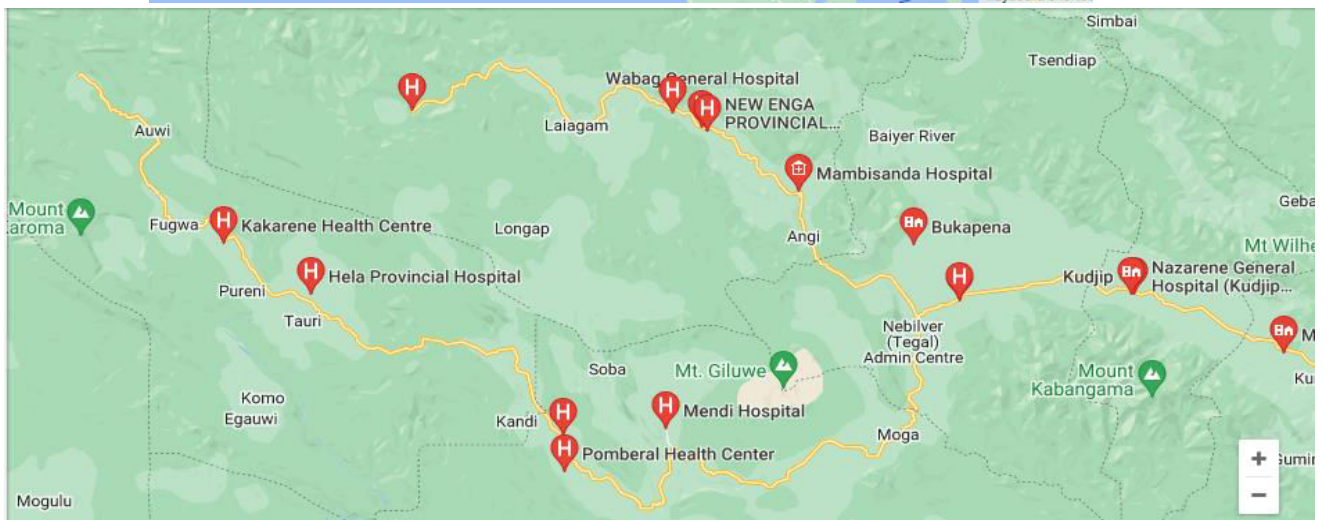
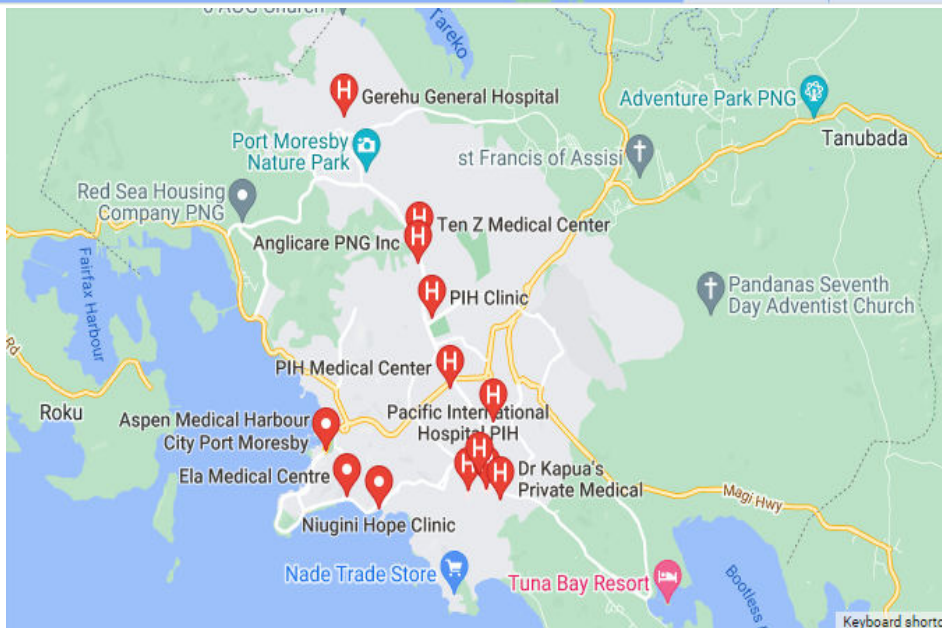
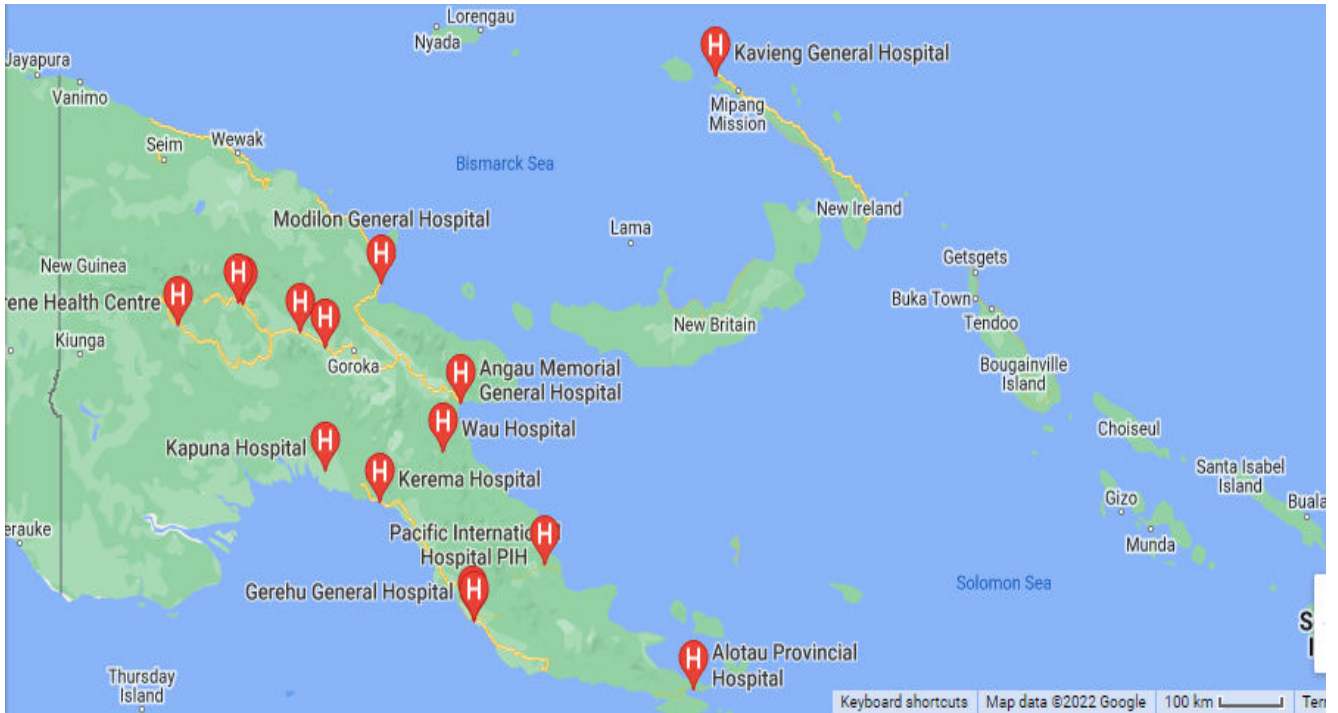
Budget AU \$50,000,000

24x50 Medical office





Hospitals in Papua New Guinea			
Name	City	Province	Bed Capacity
Alotau General Hospital	Alotau	Milne Bay Province	204 beds
Angau General Hospital	Lae	Morobe Province	500 beds
Boram Hospital	Wewak	East Sepik Province	312 beds - 40 new beds recently added
Daru General Hospital		Western Highlands Province	126 beds
Flores Hospital	Lae	Morobe Province	100 bed super speciality tertiary care
Goroka Hospital	Goroka	Eastern Highlands Province	265 beds deteriorating
Kapuna Hospital		Gulf Province	100 beds (old)
Kavieng General Hospital		New Ireland Province	90 beds
Kerema Hospital		Gulf Province	83 beds
Kimbe General Hospital	Kimbe		140 beds
Kokoda Memorial Hospital	Kokoda	Oro Province	25 beds
Kundiawa General Hospital	Kundiawa	Chimbu Province	200 beds
Kudjip Nazarene Hospital	Kudjip	Jiwaka Province	130 beds
Lae International Hospital	Lae	Morobe Province	320 beds
Laloki Psychiatric Hospital	Boroka	NCD	37 beds
Lorengau General Hospital	Lorengau	Manus Province	94 beds
Mendi General Hospital	Mendi	Southern Highlands Province	300 bed planned on 5.34 hect 19,000m2 Planpac
Madang Provincial Hospital	Madang	Madang Province	270 beds
Mount Hagen General Hospital	Mount Hagen	Western Highlands Province	250 beds
Nazarene General Hospital	Mount Hagen	Western Highlands Province	120 beds
Nonga General Hospital	Rabaul		190 beds with new hospital planned
Pacific International Hospital	Port Moresby		Expanding from 80 to 150 beds
Paradise Private Hospital	Port Moresby		40 beds 14 doc + 10 spec
PIH Clinic	Port Moresby		80 beds (8,000 m2)
Popondetta General Hospital	Popondetta	Oro Province	150 beds
Port Moresby General Hospital	Port Moresby		400 beds
Sohano General Hospital	Buka Bouganville		84 beds Planpac
Buka General Hospital			
Tari General Hospital	Tari	Hela Province	86 beds Planpac
Togoba Rural Health Center	Mount Hagen	Western Highlands Province	113 beds
Wabag General Hospital	Wabag	Enga Province	> 300 beds
Yagaum Rural Hospital	Madang (near)	Madang Province	18 bed?



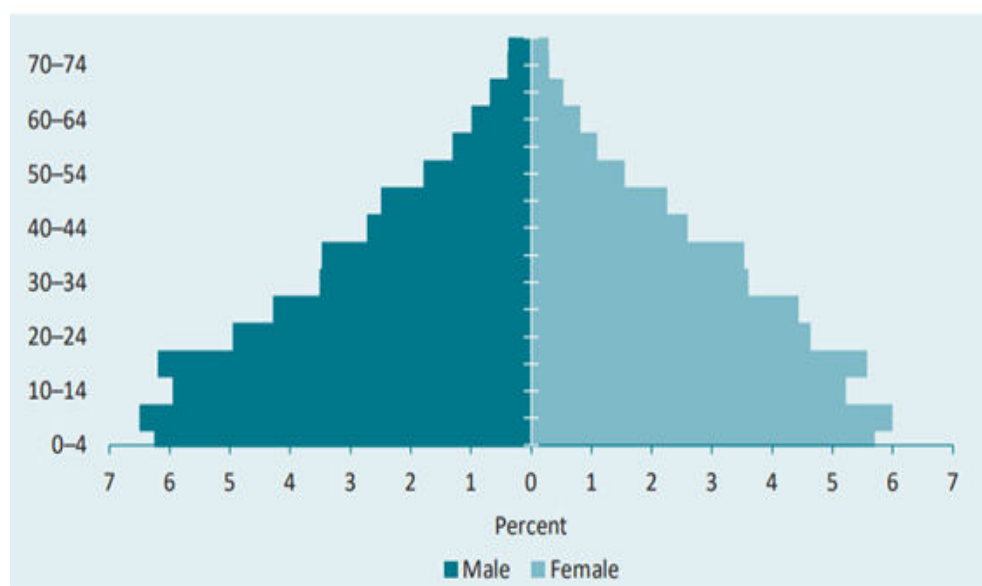
Independent State of Papua New Guinea Health System Review

<https://apps.who.int/iris/bitstream/handle/10665/280088/9789290226741-eng.pdf?sequence=5&isAllowed=y>

Public health system network in Papua New Guinea

Government administrative structures	Formal public health system (including Church health system) (minimum average number of staff indicated)	Private health system	Employer-provided health services
Community/ Village /Ward	Aid Post - 1 community health worker (CHW) Community Health Post - 2 CHWs Population served: 500–2000	Village birth attendants, village health volunteers, Traditional practitioners	Aid post/First aid post
Ward/Local-level government or Urban council	Health subcentre/ Urban clinic 300–1500 inpatients per year 100–150 deliveries per year 2000–5000 rural > 10 000 urban 1 nurse, 3 CHWs		Health subcentre
	Health centre 2 nurses, 5 CHWs 5000–10 000 population 400–600 inpatients/year 100–150 deliveries/year		Health centre
District	District health centre 1 Health Extension Officer (HEO), 6 nurses, 7 CHWs <70 000 population 30 beds	Private doctors, private clinics, private pharmacies	Hospital (own or manage/support public)
	Level 5 Rural hospital 1 Medical Officer (MO), 3 HEOs, 9 nurses, 22 CHWs 70 000+ population No more than 2 in a province 50 beds		
Province	Level 4 hospital 2 MOs, 1 HEO, 25–35 nurses, 25–30 CHWs	Private doctors, private clinics, private pharmacies, private hospitals	
	Level 3 hospital 10–20 MOs, 5–10 HEOs, 30–80 nurses, 50–90 CHWs		
Province/Region	Level 2 hospital 25 MOs, 5+ HEOs, 100–200 nurses, 70–120 CHWs (Western Highlands province, Morobe province, East New Britain province)		
	Level 1 hospital 30 MOs, 5+ HEOs, 100–200+ nurses, 70–120 + CHWs Port Moresby General Hospital		

Population pyramid, Papua New Guinea, 2011



Mortality indicators, Papua New Guinea, 1990–2015

Indicators	1990	2000	2005	2010	2015
Life expectancy at birth, total (years)	58	58.9	60.4	61.8	62.9
Life expectancy at birth, male (years)	54.9	56.7	58.1	59.5	60.6
Life expectancy at birth, female (years)	56.7	61.3	62.8	64.3	65.4
Total mortality rate*(both sexes)	..	335	307	286	275
Total mortality rate, adult, male (per 1000)	..	374	344	312	324
Total mortality rate, adult, female (per 1000)	..	293	267	248	236

Trends in demographic indicators, Papua New Guinea, 1980–2015

Indicators	1980	1990	1995	2000	2005	2015
Total population	3 304 473	4 313 059	4 894 276	5 572 222	7 108 239	7 919 825
Population aged 0–14 years (% total)	43.6	42.0	40.6	39.7	39.1	36.6
Population aged 65 years and above (% of total)	2.7	2.9	3.1	3.2	3.3	3.6
Population growth (average annual growth rate)	2.8	2.5	2.6	2.6	2.5	2.1
Population density (population per sq.km)	7.3	9.5	10.8	12.3	13.9	17.5
Fertility rate (births per woman)	5.7	4.8	4.7	4.5	4.3	3.7
Birth rate, crude (per 1000 people)	39.4	34.8	34.6	34.0	32.1	27.9
Death rate, crude (per 1000 people)	11.3	9.5	8.8	8.3	7.7	7.1
Age dependency ratio	86.3	81.7	77.6	75.1	73.7	67.4
Rural population (% of total population)	87.0	85.0	85.9	86.8	86.9	87.0
Adult literacy levels (%)	..	..	..	57.3	..	..

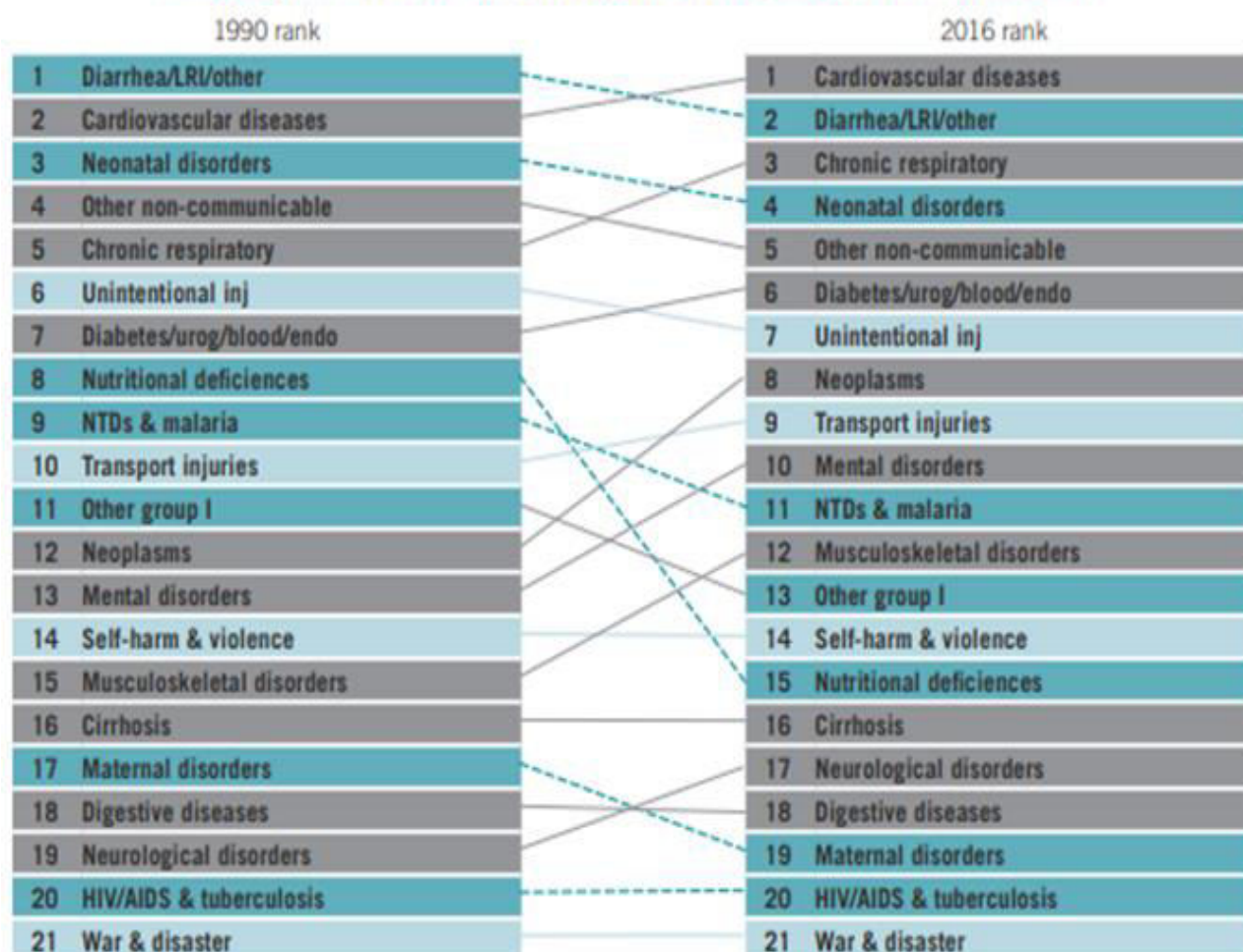
Main causes of death, Papua New Guinea, 2000–2015

Cause of death	Age-standardized death rates per 100 000 population				
	2000	2005	2010	2013	2015
Communicable diseases					
Tuberculosis	18.7	17.8	15.0	12.8	11.4
Sexually transmitted infections excluding HIV	7.4	7.7	10.6	9.6	8.6
HIV/AIDS	8.3	16.3	11.5	9.6	7.9
Non-communicable diseases					
Neoplasms	120.8	124.0	124.3	123.0	122.0
Colon and rectum cancer	8.7	8.9	9.0	9.0	9.0
Larynx cancer	1.7	1.7	1.7	1.7	1.7
Tracheal, bronchus and lung cancer	18.9	19.1	18.9	19.0	19.1
Breast cancer	11.7	12.5	12.7	12.6	12.6
Cervical cancer	11.1	11.3	10.9	10.4	10.0
Diabetes mellitus	86.6	99.7	107.1	109.5	111.0
Mental disorders	1.6	1.6	1.6	1.6	1.6
Ischemic heart disease	290.9	303.5	302.4	296.6	291.7
Cardiovascular diseases	633.5	646.5	634.4	614.2	598.8
Chronic respiratory diseases	382.7	381.3	369.8	357.1	347.1
Digestive diseases	44.1	43.1	41.2	39.3	38.0
External causes					
Transport injuries	38.8	39.3	38.5	37.2	36.4
Self-harm and interpersonal violence	23.9	24.3	24.2	23.6	23.3

Maternal, child and adolescent health indicators, Papua New Guinea, 1980–2015

Indicators	1980	1990	2000	2010	2015
Adolescent fertility rate (births per 1000 women aged 15–19 years)	100.2	73.0	66.3	58.6	54.4
Neonatal mortality rate (per 1000 live births)	36.7	31.1	29.6	26.5	24.0
Infant mortality rate (per 1000 live births)	76.6	64.4	57.5	49.8	43.8
Under-5 mortality rate (per 1000 live births)	107.3	88	77.2	65.2	56.2
Maternal mortality ratio (per 100 000 live births)	..	470	342	238	215
Prevalence of HIV, total (% of population aged 15–49)	..	0.1	0.7	0.9	0.9
Measles immunization (% children aged 12–23 months)	..	67	69	74	79
Prevalence of stunting, height for age (% of children under 5)	50.2% (1983)	..	..	49.5% (2010)	..
Prevalence of underweight, weight for age (% of children under 5)	24.6% (1983)	..	..	27.9% (2010)	..

DALYs per 100 000 population, both sexes, 1990 and 2016



- Communicable, maternal, neonatal and nutritional diseases
- Noncommunicable diseases
- Injuries

Behavioural risk factors for NCDs in Papua New Guinea

Behavioural risk factor	Males (%)	Females (%)	Total (%)
Current smoking (age-standardized rate) (2011) ^a	55%	27%	41%
Obesity in adults 20 years and over (%) (2008) ^b	11.8	20.1	..
Total alcohol per capita consumption, in liters of pure alcohol (2010) ^a	5.1	1.0	3.0
Consumption of less than 5 servings of fruit and vegetable per day (2007) ^c	99.1	98.6	98.9
Low physical activity (2007) ^c	9.0	10.9	9.9
Prevalence of raised fasting blood glucose among adults aged 25 years and over (%) (2008) ^b	15.2	14.7	..
Prevalence of raised blood pressure among adults aged 25 years and over (%) (2008) ^b	21.1	18.1	..

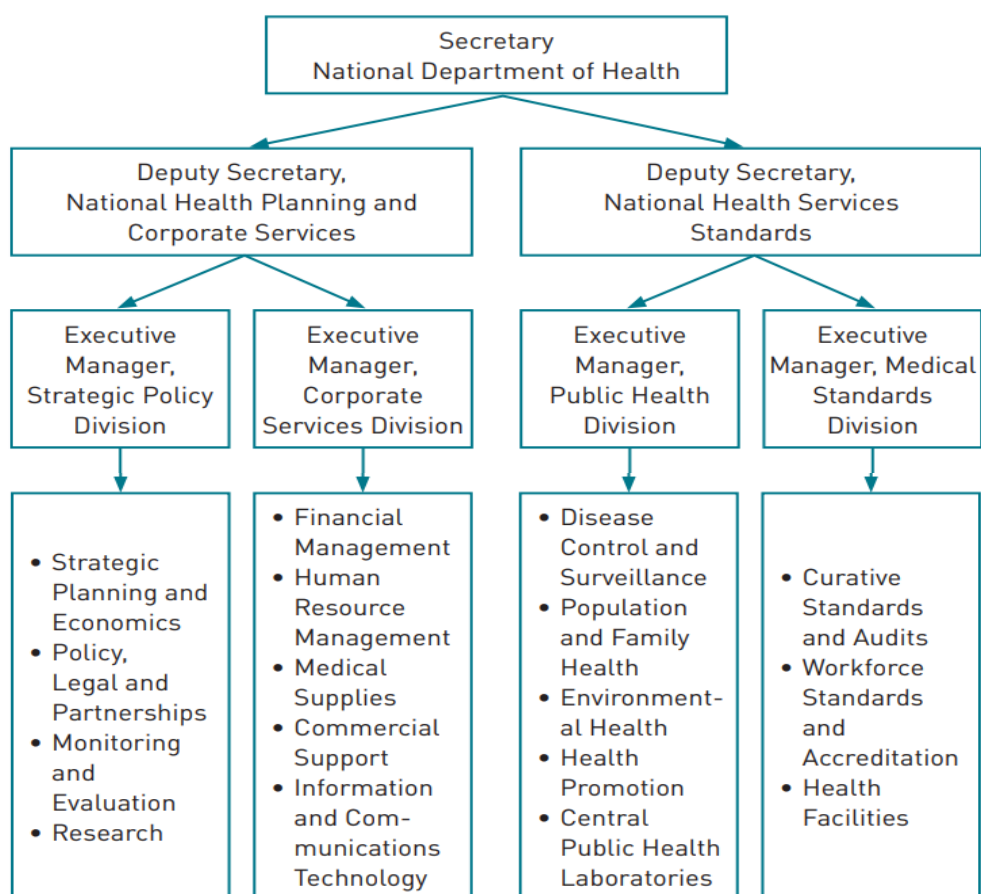
Main governance functions at each level of the health system in Papua New Guinea

Levels of governments	Main functions (as described in NDoH Corporate Plan 2013–2015)
National Government	<p>Oversee health-care system</p> <p>Coordinate and provide technical advice and support to lower levels of Government</p> <p>Oversee management of public hospitals</p>
National Health Board	<p>Endorse the National Health Plan and recommend its adoption to the National Executive Council It also approves standards and monitors progress against the National Health Plan</p> <p>May be requested or directed to carry out enquiries</p>
National Department of Health	<p>Provides assistance and support to the National Health Board to discharge its functions</p> <p>Develops standards, monitors and ensures compliance against standards, as well as provides technical assistance to the provinces to assist them in implementing the NHP and meeting relevant standards</p> <p>Required to maintain National Health Service Standards</p>
Provincial governments	<p>Responsible for planning, implementation and funding of the NHP through service delivery at the district level</p> <p>Fund health activities that allow for minimum standards to be met</p> <p>Have powers under Section 42 (1) (n) of the Organic Law on Provincial Governments and Local Level Governments Administration Act, 1997 and Section 19 of the National Health Administration Act, 1997 to make laws in relation to rural health.</p>
Local governments	<p>Responsible for funding health activities at the local level and should participate in planning</p> <p>Provide information to the NDoH for the National Health Information System (NHIS)</p> <p>Chair the district health management committees</p> <p>Participate in planning activities</p>
Hospitals	<p>Specific functions described under the Public Hospitals Act (1994) and are required:</p> <ul style="list-style-type: none"> • to provide curative care and support rural health-care delivery • to provide support to rural health services • to conduct in-service training • to develop agreements with the nongovernment sector to deliver health services

Number of health facilities in Papua New Guinea, 2008

Facility level	Government	Mission	Other	Total
Provincial hospitals	20 (95.2%)	2 (4.8%)	0	22
Urban health clinics	48 (69.6%)	10 (14.5%)	11 (15.9%)	69
District and rural hospitals	5 (35.7%)	7 (50.5%)	2 (14.3%)	14
Health centres	149 (74.1%)	48 (23.8%)	4 (2.1%)	201
Health subcentres	158 (36.9%)	263 (61.5%)	7 (1.6%)	428
Aid posts				
Open				2672 (77.5%)
Closed				776 (22.5%)

Organizational structure of the National Department of Health



Key: CPHL: Central Public Health Laboratories; CS: Corporate Services; ICT: information and communication technology; NDoH: National Department of Health; NHP: National Health Plan; NHSS: National Health Service Standards

Governance arrangements in Papua New Guinea: An overview

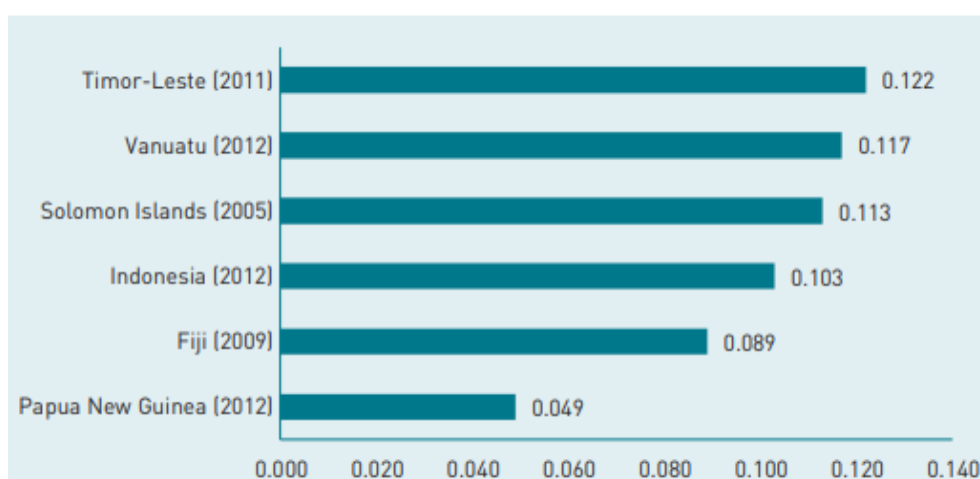
Administrative level	Political structures	Administrative structures
National	National Parliament National Executive Council Ministries	National Parliament Statutory Bodies National Department of Health National Health Board
Province	Provincial Assembly Provincial Executive Council Provincial Committees Joint Province Planning and Budgetary Priorities Committee	Provincial Administration Provincial Treasury Provincial Audit Service Provincial Health Board Provincial Health Advisor*
District	Joint District Planning and Budgetary Priorities Committee	District Administration District Treasury District Health Manager District Health Management Committee
LOCAL LEVEL		
Each district is divided into local-level governments (LLGs). There are 284 LLGs in Papua New Guinea.		
WARD LEVEL		
Each LLG has many wards. There are 5747 wards in Papua New Guinea.		
COMMUNITIES AND VILLAGES		
Each ward is made up of many hamlets, villages and non-traditional village areas.		

Note: * Changes under the PHAA to a CEO of provincial health

Overview of education programmes for the health sector in Papua New Guinea

Category	Entry year	Duration (years)	Level	Provider	No. of schools
Community health worker	10	2	Certificate	Churches and 12 provinces	12
Nursing	12	3	Diploma in General Nursing	Churches and Government located in 8 provinces	7
Bachelor of Nursing	12	4	Degree	School of Health Sciences – Pacific Adventist University	1
Physiotherapist	12	4	Degree	Divine Word University	1
Bachelor of Rural Health	12	4	Degree	Divine Word University	1
Environmental Health Officer (EHO)	12	4	Degree	Divine Word University	1
Bachelor of Health Management (BHM)	12	4	Degree	Divine Word University	1
Bachelor of Oral Health	12	4	Degree	University of Papua New Guinea (UPNG), School of Medicine and Health Sciences (SOMHS)	1
Bachelor of Dental Surgery (BDS)	12	4	Degree	UPNG, SOMHS Taurama campus	1
Bachelor of Pharmacy	12	4	Degree	UPNG, SOMHS Taurama campus	1
Bachelor of Medical Laboratory Sciences	12	4	Degree	UPNG, SOMHS Taurama campus	1
Bachelor of Medical Imaging	12	4	Degree	UPNG, SOMHS Taurama campus	1
Bachelor of Medicine and Bachelor of Surgery (MBBS)	12	5	Degree	UPNG, SOMHS Taurama campus	1

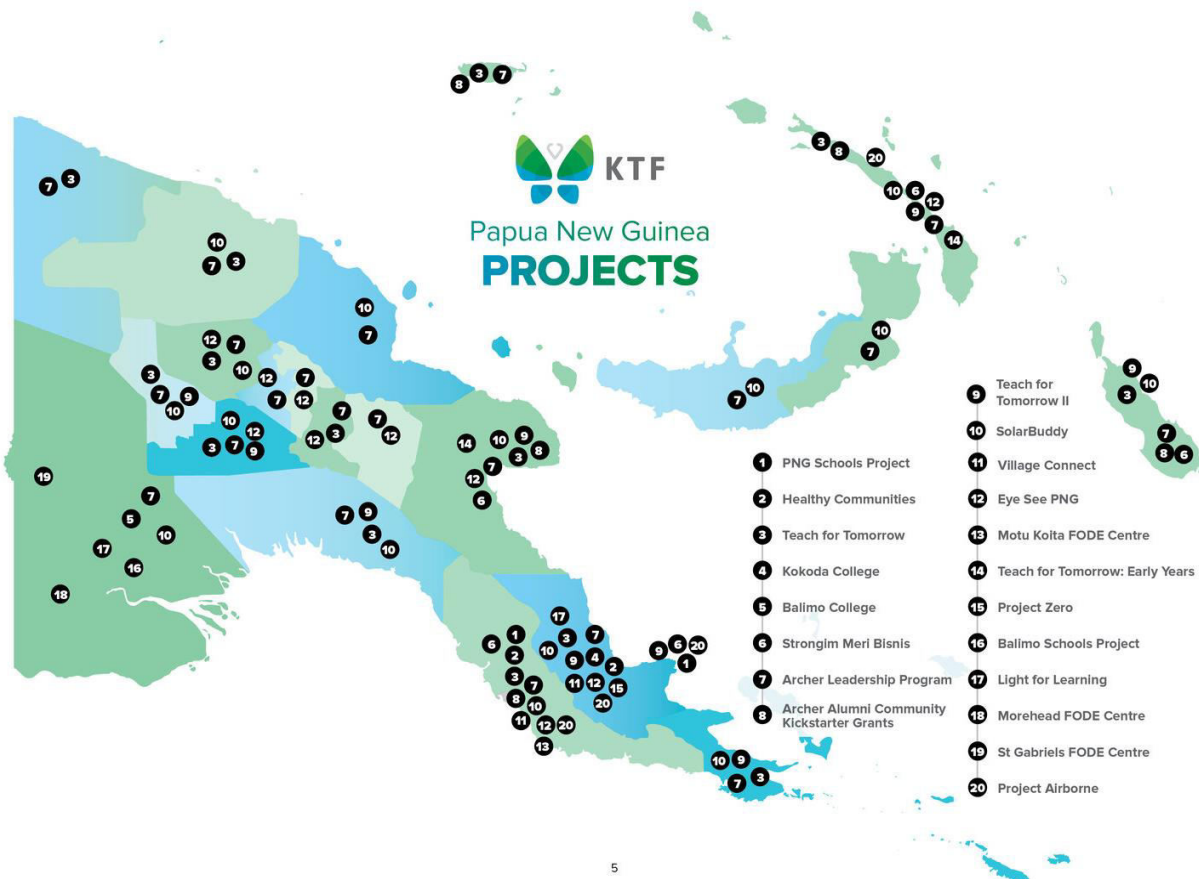
Pharmacists per 1000 population, selected countries, latest available year

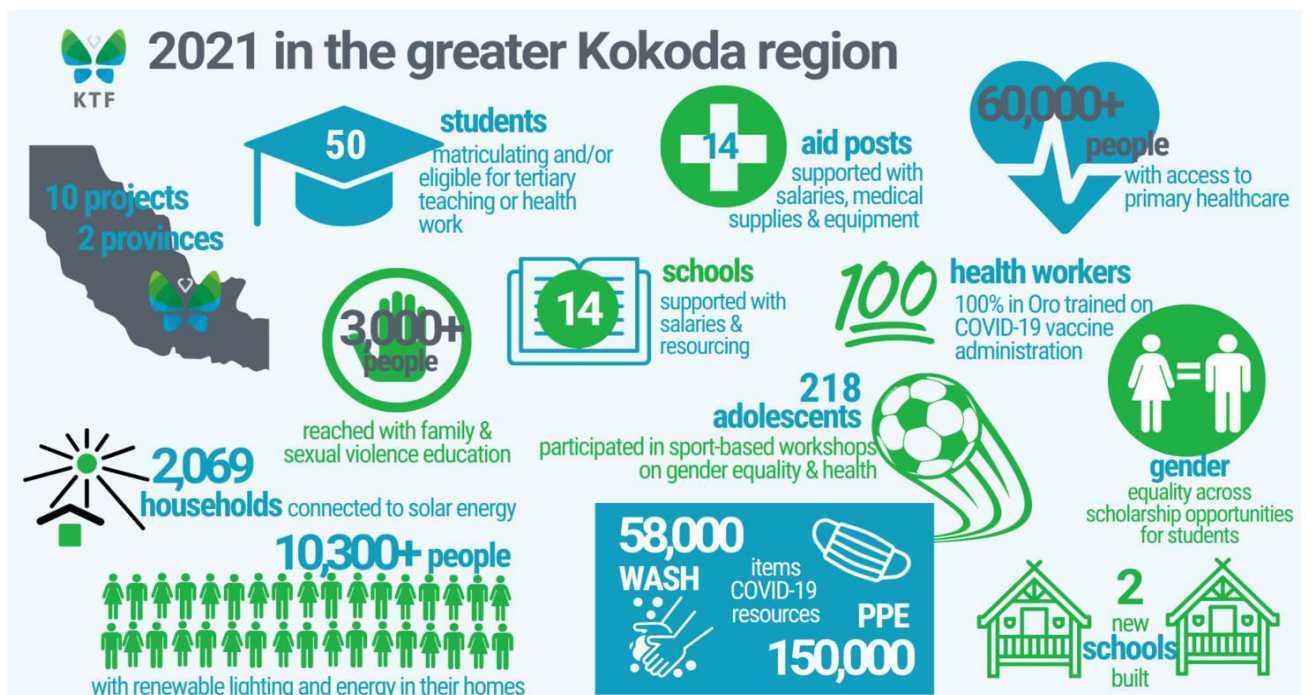
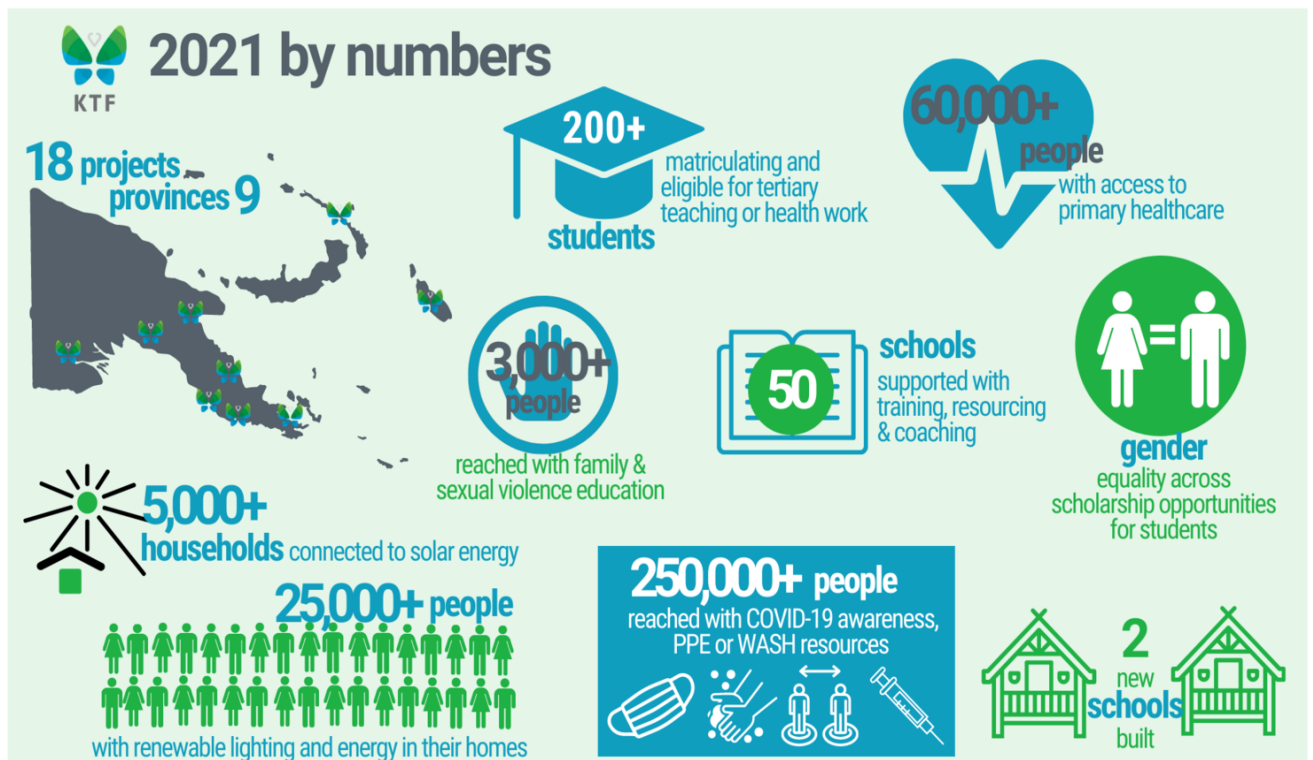


Papua New Guinea had a population of over seven million in 2011 with over 80 percent living in rural areas. According to the World Health Organization in 2014, there were seven regional hospitals, 19 provincial hospitals, 89 district hospitals, 677 health centre's, and 2,600 health posts in Papua New Guinea. Many rural hospitals have closed because of shortages of supplies.

Data from Department of Education in Papua reported that the total number of primary schools was 2,472, secondary schools 395, high schools 115 and vocational schools 30 (Dinas Pendidikan dan Pengajaran, Papua, 2001).

In Papua New Guinea (PNG), **primary school attendance is at 63.4 percent for boys and 56.5 percent for girls.** Early childhood education is foundational for children's learning, but there is little to no access to this. This means most children are behind before they even attend their first class.







A major hospital redevelopment providing essential long-term health services to the Tari community and more regional patients of Hela Province and beyond.



- Location: Tari Hela Province, Southern Highlands
- Client: Southern Highlands Provincial Government
- Scale: 1.34ha site, 3,000m2 building

The Tari District Hospital in PNG provides an 86-bed facility with a mix of hospital wards. The redevelopment will feature wards for maternity, paediatric, surgical and medical patients. A new fully equipped emergency department and community outpatient treatment centre will allow the people of the Hela Province access to dental, optical, post natal, paediatric and traveling specialist clinics.

Planpac Group PNG provided site master planning services, design and staging for a major hospital redevelopment proposal. The detailed master plan and subsequent site utilisation and assessment studies were undertaken on an existing site. The overall site is 1.34ha, with the building approximately 3,000sqm.

Milupa Pty Ltd T/ as Planpac 14-16 Yeatman Street, Hyde Park, Townsville P 07 4772 1300
Planpac Group PNG Limited Level 1, ENB Haus, Harbour City, Konedobu, NCDP: +675 320 3874
admin@planpacgroup.com.au admin@planpacgroup.com.pg
<https://www.planpacgroup.com.au/company/people/>

Damien Ferguson

Geoff Plante

K300mil Mendi hospital redevelopment starts 11 November 2021

Mendi Provincial Hospital Redevelopment



Arawa District Hospital Redevelopment



RECOMMENDED READING

www.pascashealth.com go to **Library Download** page

<https://www.pascashealth.com/index.php/library.html>

then scroll down to click on the link to open the PDF:

PASCAS INTRODUCTION NOTES

Kindly consider any of the topics that takes your fancy elsewhere throughout the Pascas Care Library:

 [Pascas Foundation Overview.pdf](#)

PASCAS CARE LETTERS

 [Pascas Care Letters One Pathway.pdf](#)

MEDICAL - SPIRITUAL REFERENCES

 [Soul Light book 1 via James Moncrief.pdf](#)

 [Soul Light book 2 via James Moncrief.pdf](#)

MEDICAL - EMOTIONS

 [Pascas Care Living Feelings First - Adults.pdf](#)

 [Pascas Care Living Feelings First - Children - Annexures.pdf](#)

 [Pascas Care Living Feelings First - Children - Discussions.pdf](#)

 [Pascas Care Living Feelings First - Children - Graphics.pdf](#)

 [Pascas Care Living Feelings First - Children.pdf](#)

 [Pascas Care Living Feelings First - Drilling Deeper - Structures.pdf](#)

 [Pascas Care Living Feelings First - Drilling Deeper.pdf](#)


 [Pascas Care Living Feelings First - Reference Centre.pdf](#)

CORPORATE ALLIANCE

 [Chaldi Child Care Centre - Safe Space.pdf](#)

 [Chaldi College Free to Learn Instinctively.pdf](#)

 [Chaldi College Free to Learn Pathway.pdf](#)

 [Chaldi College Primary thru to High Feelings First.pdf](#)

 [Chaldi College Women & Girls' Education.pdf](#)

 [Chaldi College WW Education through Feelings.pdf](#)


 [Chaldi College WW Massive Open Online Courses.pdf](#)

 [Chaldi College WW technology & product information.pdf](#)

 [Chaldi University Postgraduate Feelings Degree.pdf](#)

 [Education Dynamics Technology & Product Information.pdf](#)

 [Pascas University and Global View.pdf](#)

 [Pascas University and the Meeting House.pdf](#)

 [Pascas University Education with Zelmar.pdf](#)

 [Pascas University Papua New Guinea Education Leadership.pdf](#)

 [Pascas University Postgraduate Feelings Degree.pdf](#)

 [Pascas University Universally Free Education.pdf](#)

MEDICAL

 [Pascas Care Kinesiology Testing.pdf](#)

PASCAS CARE PARENTING

 [Pascas Care Parenting Awareness.pdf](#)

 [Pascas Care Parenting Eureka Moment.pdf](#)


 [Pascas Care Parenting Feelings Supreme Guides.pdf](#)


 [Pascas Care Parenting Health Generation.pdf](#)

 [Pascas Care Parenting into the Abyss.pdf](#)

 [Pascas Care Parenting Rebellion.pdf](#)

 [Pascas Care Parenting Vaccinations.pdf](#)


 [Sam's Book Parenting and Feeling Healing Book I.pdf](#)

 [Sam's Book Parenting and Feeling Healing Book II.pdf](#)


 [Sam's Book Parenting and Feeling Healing Book III.pdf](#)


 [Sam's Book Parenting and Feeling Healing Book IV.pdf](#)

 [Sam's Book Parenting and Feeling Healing Book V.pdf](#)

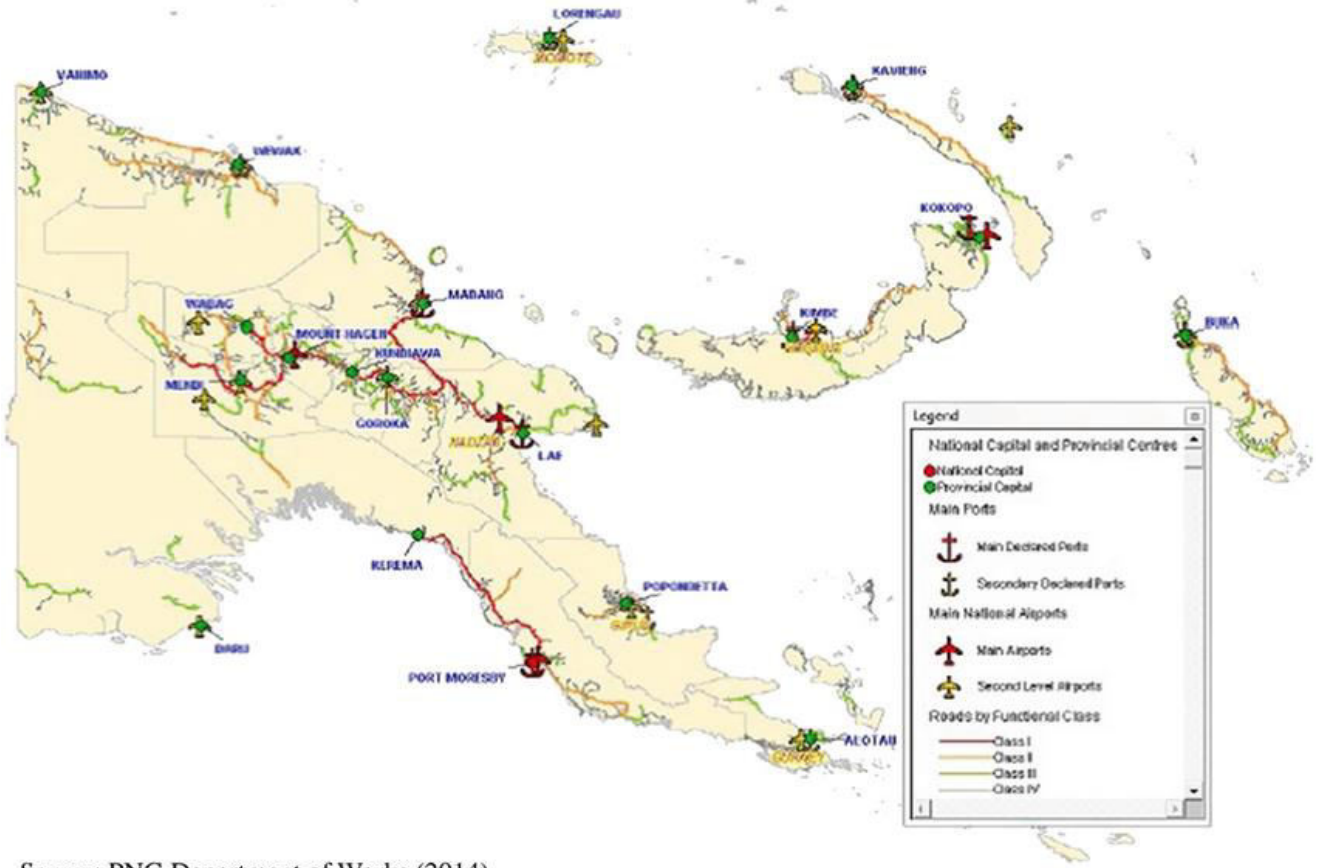
 [Sam's Book Parenting and Feeling Healing Book VI.pdf](#)

 [Sam's Book Parenting and Feeling Healing Book VII.pdf](#)

 [Sam's Book Parenting and Feeling Healing Book VIII.pdf](#)

 [Sam's Book Parenting and Feeling Healing Book IX.pdf](#)

 [Sam's Essay I am allowed not to love my parents.pdf](#)



Source: PNG Department of Works (2014)

