CHAPTERVI

THESIS PRESENTATION

For Master in Public Health

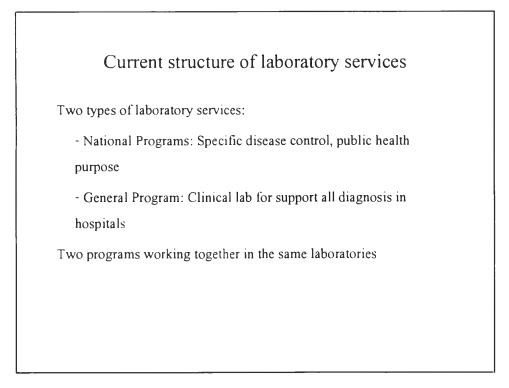
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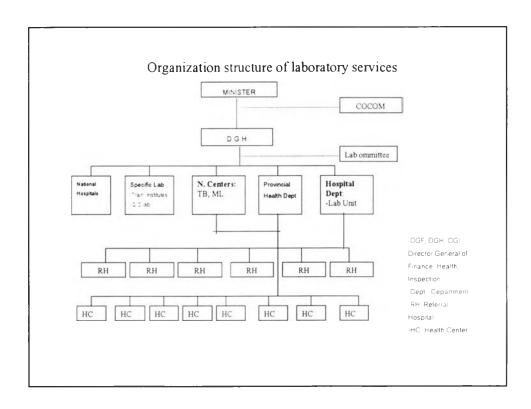
University

SITUATION ANALYSIS OF LABORATORY SUPPLY SYSTEM : THE INFLUENCE OF KEY ACTORS IN CAMBODIAN HEALTH CARE SYSTEM

Sok Khim

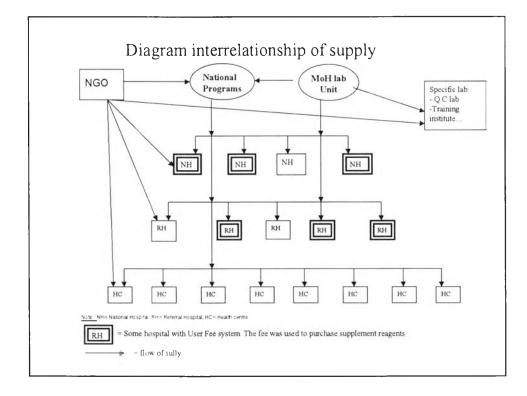
MPH student, June 2000





Current Supply System

- MoH
 - Centralization
 - Gross purchasing at central level
 - All supplies purchased from one company.
- NGOs:
 - Interested on National Program
 - Separate system from MoH
 - Preferred technical support rather then recurrent budget



The pro	portion of annual lab	expenditure & MoH bud	lget
Year	Lab exp. in US\$	MoH exp. in US\$	% of lab exp. of total MoH budget
1996	296,703	15.9M	1.86
1997	1,220,345	14.3M	8.53
1998	780,189	11.3M	6.90
1999	1,078,565	13.7 M	7.87
2000	1,302,122		

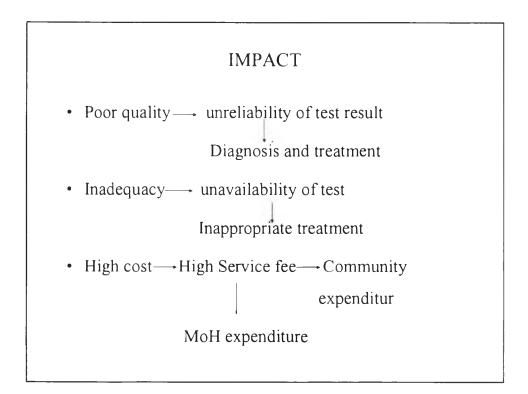
PROBLEM SITUATION (cont).

- Reagents and equipments were reported under utilized:
 - Microscope slides during this period have not been used
 because of fungus on its surface (report lab committee 1999)
 - The new spectrophotometers (each unit cost around 10,000US\$) provided are unused because its need expensive reagents (supervision report 1999)

PROBLEM SITUATION (cont).

• Used equipment donated are useless because of maintenance problems and no spare parts (Medical Equipment Committee report 1999)

- Reagents supplies in general are costly that lead to increase the expenditure in each laboratory.
- Imbalance of supplies (national workshop, lab committee report)



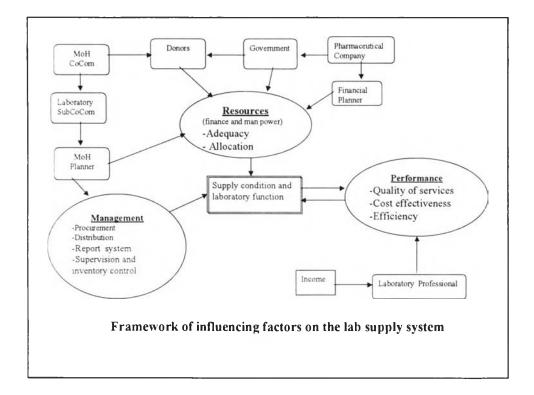
OBJECTIVES

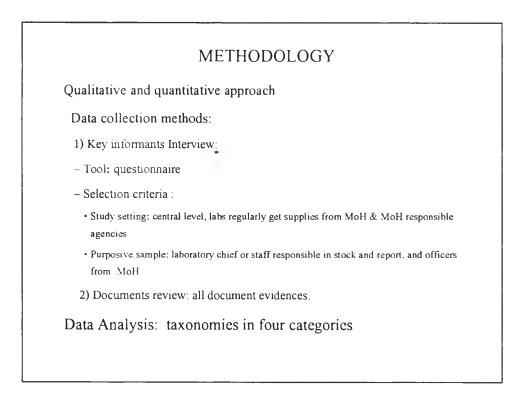
- 1) Explore the extent of the problems related to the condition of supplies, reagent equipment, and laboratory professional
- 2) To identify the factors influencing the performance of laboratory services
- 3) To propose possible strategies for improving the lab supply system.

SCOPE

-Key actors involving in the supply system

- The Laboratories regularly receive supplies from MoH





Type of Setting	Total Number of Setting	Total Number of Sample	Number of Informant in each setting	Position of Informants
National Hospital: - Mother Child Health - National Pediatric - Municipal Hopital - Preah Kossomak -PreahNorodam Sihanu	5	6	2 1 1 1	Lab chief &Lab adviso Laboratory chief Laboratory chief Laboratory chief Laboratory chief
National Program - Malaria Center - Tuberculosis Center - National Blood Bank	3	-4	1 2 1	Chief of supply Dept Chief of supply dept & Lab adv Chief of supply
Ministry of Health: - Laboratory Unit - Procurement Unit	2	2	1 1	Vice chief of unit Vice chief of unit

	FINDING
N	faterials and Reagents Problems (MoH)
•	Slide about 14,000 to 20,000 boxes which is 70% of annual order
	have mold and unused (6 US\$ / boxes)
•	Giemsa about 200liters which is 70% of Annual purchasing do not
	give proper staining, found expired in all laboratory networks.
•	Malaria dipsticks (10 to 15 expensive than normal test) always
	used in normal case because of supplies in short shelf-life (ML
	center)

FINDING (cont.)

 Many expensive reagents found expired due to improper allocation. The waste found from 3 hospitals about 12,600 US\$ (1% of lab budget for year 2000)

• The MoH provided in average 81% to national program and 34% to general program in acceptable need.

FINDING (cont.)						
National Program	% supplied by MaH	% supplied by Danar	✤ from Hospital fee	% of Adequate		
Blood Bank	80	20 (WB. GVC)		80		
TB-Lepro	95 (1997,98, 99) 20 (2000)	5 (JICA) 80 (WB)		95 20		
ML	70	30 (EU.WB)		70		
Hospital	% supplied by MoH	% supplied by Danar	% from Hospital fee	% Staff Funding		
Municipal	20			80		
Norodam	30			70		
Pediatric	40	40 (Unucef)	20			
МСН	30	20 (ЛСА)	50			
Kossomac	50		15	35		

FINDING (cont.)

• Price of reagents were high 28,4% higher than the free market, calculate in total lab budget in 1999, the waste is 306,000US\$

(higher than budget in 1996 = 296,700)

"The price is quite high, if the MoH purchased properly we won't have shortage"

FINDING (cont.)

- Equipment problems (donors)
 - 20 set of microscopes are lower quality than requirement (TB)
 - Many equipments found unfit with the current practice (Blood Bank, MCH, TB, & NIPH)
 - Donated equipments found outdated model and unused
 - Equipments supplies not on the priority area.

THE INFLUENCING ACTORS

Gov. administrator & Economic planners

- Over centralization practice on financial allocation for health sector
- Long process of documents for funding approval
- Budget promised always less than budget allocated & the MoH can use only 70% of her budget
- Facilitate high cost by choosing monopoly suppliers (no price competition)

THE INFLUENCING ACTORS (cont.)

- Laboratory coordination committee
 - Indifferent leadership (lack of relationship with upper level)
 - Conflict among members (different objectives)
 - Rare meeting lead to no further development plan

THE INFLUENCING ACTORS (cont.)

The MoH Laboratory Planner

- Poor management practice in supply:
 - · Miss judgment in prioritization
 - · Imbalance and inappropriate allocation
 - Ineffective information management
 - lack of monitoring system (supply no control)
- Lack of creating effective strategies

THE INFLUENCING ACTORS (cont.)

The international donors

- Lack of knowledge about laboratory situation in Cambodia:expensive technologies and inappropriate equipment
- Used their own plan and strategies in managing the services under their support
- Focus on specific project rather than the whole system

(many donors support the same program-duplication encourage separate system. difficult for MoH to manage)

THE INFLUENCING ACTORS (cont.)

• Laboratory Professional

- Low salary cause the negligence of the work
- Concern on private income causing problem on supplies.
- Unequal incentive affect efficiency of work and least collaboration among staff

CONCLUSION The current supply is inappropriate: - Misused and improper allocation of resources - Lack of coordination : • Internal suppliers & External suppliers • Suppliers and user - No comprehensive system for supply - Lack of effective agreement on aid assistant - Ineffective of services performance cause by low payment of lab professional.

RECOMMENDATION

- Government should revise the policy on centralization with more flexible adaptation to the urgent and priority need in health sector.
- Promote more dialog from the lowest to the highest level for health investment.
- Coordination committee should formulate and implement policy regarding donor role and standard criteria in agreement regarding donor assistance

RECOMMENDATION

- Establish effective system for laboratory supply with acceptable standard.
- National program should receive only 40% and the general program 60% of the MoH supplies.
- Staff Salary should be supplemented from a well managed fee system.

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