

Pan American Health Organization/ World Health Organization (PAHO/WHO)

Systems Analysis for Oral Health Regional Oral Health Program May 2004

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Systems Analysis for Oral Health Regional Oral Health Program May 2004



Pan American Health Organization/ World Health Organization (PAHO/WHO) Technology and Health Services Delivery Regional Oral Health Program

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Introduction

The objective of this study is to look at the health care systems in the (name of the country) and to evaluate the dental care that is provided to the people of these countries. Oral disease is a critical element in the overall health status in the ______ since it remains at a high prevalence and has substantial associated treatment costs. There is a high incidence and severity of dental caries in most countries in the ______. A great proportion of this disease burden is in the form of untreated tooth decay and extracted teeth. Additionally, the prevalence and severity of dental caries is greater in low income and poorly educated segments of the population.

Methodology

In this study six aspects of oral health will be evaluated:

- 1. Oral Health Policy and Planning
- 2. Human Resources
- 3. Supply and Demand of Services
- 4. Infrastructure
- 5. Financial Resources
- 6. Research Capability

Protocols that have been used in the past studies by the Pan American Health Organization will be sent to the Government Institutions, the Educational Institutions, and the Dental Societies in (this country/both countries). An initial mailing will be sent that will include an explanatory cover letter, a protocol, and guidelines. Follow up phone mailings and phone calls will be made if needed. Also field trips to the (country/countries) will be made to gather additional information.

Analysis

The descriptive data from the survey will be summarized as follows:

- 1. Oral Health Policy and Planning
 - Identify the system for delivering oral health care
 - Determine how priorities are established
 - Identify regulations and standards used to measure the oral care delivery

2. Human Resources

- Determine the number of dentists and other oral health professionals
- Determine their involvement in the present programs
- Determine salary sources
- Determine the number of dentist per 10,000 population
- Determine the number of operational dental auxiliaries per 10,000 population
- 3. Supply and Demand of Services
 - Determine the type of care provided, preventive versus comprehensive services
 - Obtain information about the age groups of patients treated
 - Obtain the DMFT at age 12 for each country
 - Identify the prevalence of early childhood caries

4. Infrastructure

 Identify the settings and facilities in which the oral health care is provided

5. Financial Resources

- Determine the budget directed towards oral health care services
- Determine for what type of program the funds are used

6. Research Capability

• Identify areas of current or future research

The above analysis will be used in three different ways:

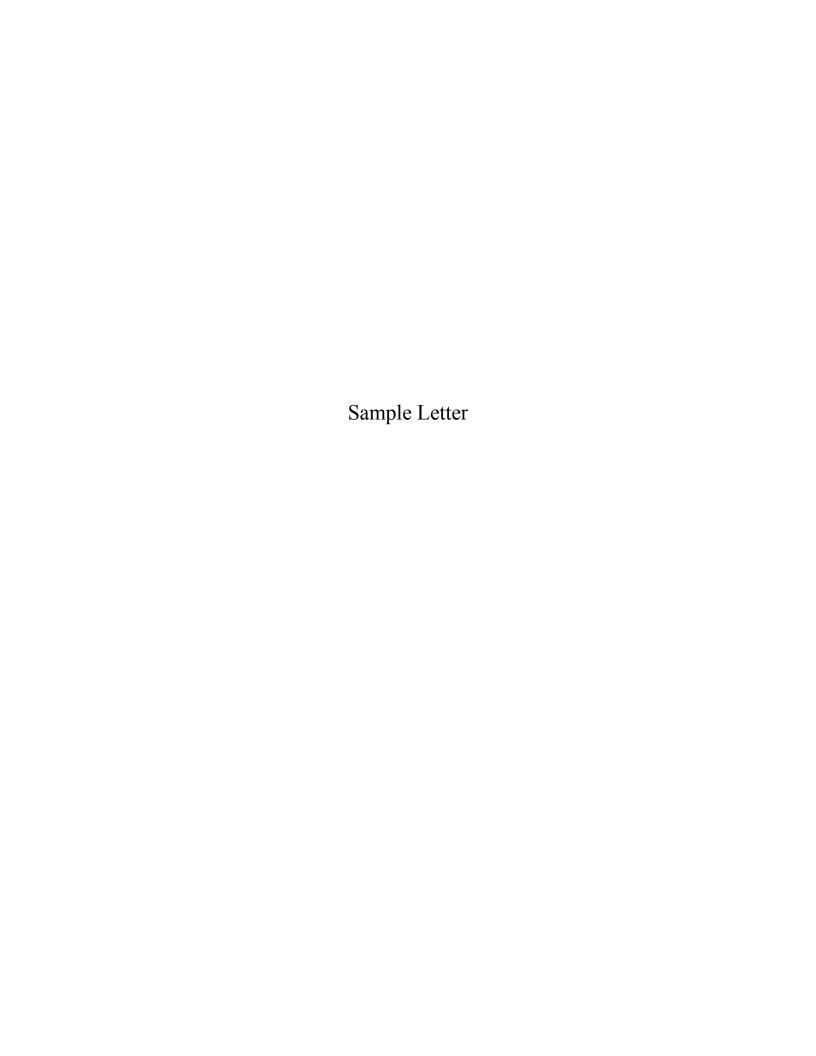
- For the evaluation of the present programs and services provided in each country
- To compare the data of this study with a study of this country done in
 ____ at ____ to determine if any improvements have been made
- To compare the oral health systems of this country with other countries



PAN AMERICAN HEALTH ORGANIZATION REGIONAL ORAL HEALTH PROGRAM

Work Plan: System Analysis for Oral Health

	sept	oct	nov	dec	jan	feb	march	april	may	June
proposal approval	\rightarrow									
1st mailing	\rightarrow	\rightarrow								
2nd mailing		\rightarrow	\rightarrow							
field trip		\rightarrow	\rightarrow	\rightarrow						
3rd mailing			\rightarrow	\rightarrow						
data analysis				\rightarrow	\rightarrow	\rightarrow				
Interpretation						\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow







Technology and Health Services Delivery Health Services Organization

			(data)
			(date)
Dear Dr	:		
of the Pan Ame		ganization (PAHO) on	ring with the Regional Oral Health Program a project called a System Analysis of the
Health System (2) to identify keeping activities ain guidelines for s	in the (name of coxey institutions and at improving)	ountry) from the information of individuals who can planning, service deling the areas of planning	(1) to update the information on the Ora rmation collected by PAHO in 1994-199 in serve as resources and who can partici- tivery and research, and (3) to provide g, manpower development, finance,
information rec	uested in the encl t the following en	closed protocol. If you	istance is necessary to provide the u have any questions, please do not hesi or at the address indicated
Thank	you for your parti	icipation and collabor	ration.
			Sincerely yours,
Saskia Estupiña Regional Advis Technology and Services Delive	sor for Oral Healtl d Health	h	(researcher name and addre

Teléfono: (202) 974-3000 Facsímil: (202) 974-3663

Protocol for Governmental Institutions to Conduct a System Analysis for Oral Health



PAN AMERICAN HEALTH ORGANIZATION REGIONAL ORAL HEALTH PROGRAM

PROTOCOL FOR GOVERNMENTAL INSTITUTIONS TO CONDUCT A SYSTEM ANALYSIS FOR ORAL HEALTH FOR _____

1 Oral Health Policy and Planning in the area of your responsibility:

Describe the hierarchy for decision making and the regulation for the oral health delivery

organ	ization	cate the relationship of oral health to chart and regulations at national, statem a) and b).					
	a)	Internal Management Structure *Dental Director *Administrators					
	b) Regulations: *Infection control guidelines *HIV policy						
	*Health personnel vaccinated against Hepatitis B c) Indicate the relationship to the primary health care system						
2)	2) Human resources:						
Indicate the number of dental and non-dental personnel in government service. Answers can be recorded in the spaces provided. If categories in your country differ from the ones listed, please indicate appropriate names and describe their respective activities.							
	a)	Number of dentists in government s	service				
	b)	Number of dentists per specialty: *general dentists *oral surgeons *public health *periodontistis	Full time	Part time			
		*endodontists *prosthodontists *pedondontists *orthodontists *oral pathologists *military					
		*others					

	c) d) e) f) g) h)	Number of operating de Number of dental assis Number of dental hygic Number of preventive Number of laboratory to Number of non-dental	tants enists dentistry auxiliaries	
3)	Supp	oly and Demand of Service	es:	
		ne number of individual se f services provided routing		quested below. Also indicate
	a) b)	Number of patients see children <18 yr adults >18 yrs. If available by a 1 to 5 yr 6 to 9 yr 10 to 14 15 to 24 25 to 34 35 to 44	s. old old age group: rs. old rs. old yrs. old	per year
	c)	Primary interventions (check services provided ro	outinely)
	*Sys *Sea *Heal *Ora *Atr	ical Fluoride - rinses - gel tem Fluoride - salt - water lants th Education l Cancer Screening aumatic Restorative atment (ART)	Individual	Community based
	1 re	aunent (AKI)		

a)	*Fillings
	*Extractions
	*Crowns
	*Fixed Bridges
	*Partial Dentures
	*Full Dentures
	*Endodontics
	*Periodontal Treatment
	*Orthodontics
) Infra	astructure:
Describe t	he type of facilities use in the space provided and answer item a), b), and c)
a)	Type of Clinic
,	*Private
	*Public
b)	Please indicate total number of operatories
c)	Does the program provide services at other sites?
,	(check all that apply):
	*Mobile clinics
	*At Community Centers
	*At Schools with portable equipment
	*Others (specify)
	(-r - J)

Indica	ate the	annual budget for the oral health program and alloc	cations as requested below.
	a)	Annual budget for the program (US\$)	
	b)	Breakdown into allocations as a percentage	
	U)	of the annual program budget:	
		*Salaries	
		*Materials	
		*Preventive programs	
		- topical fluoride	
		- systemic fluoride	
		- education	
		- sealants	
		*Comprehensive Dental Care	
	c)	Sources of Finance (check all that apply):	
	,	*Public	
		*Private	
		*Donations	
		*Patient Fees	
		*Other	
6)	Area	s of Oral /Dental Research:	
Indica	ate area	as of research and briefly describe projects in the sp	pace provided.
		*C:-1	
		*Cariology	
		*Periodontology *Dental Materials	
		*Animal Studies	
		*Care Delivery	
		*Fluoridation	
		*Epidemiology	
		*Other	
		*Briefly describe:	
		Briefly describe.	

5)

Financial Resources:

Number of dentists per 100,000-population Number of operating dental auxiliaries per 100,000 population Number of Dental Graduates per year DMFT at age 12 for the country (year & source) Per cent children with Baby Bottle Tooth Decay)	Number of dentists in the country	_
per 100,000 population Number of Dental Graduates per year DMFT at age 12 for the country (year & source))	Number of dentists per 100,000-population	
Number of Dental Graduates per year DMFT at age 12 for the country (year & source))	1 0	_
· · · · · · · · · · · · · · · · · · ·)	1	
Per cent children with Baby Bottle Tooth Decay)	DMFT at age 12 for the country (year & source)	_
1 01 00110 01111011011 With Buch Bottle 1 cottle Bottle		Per cent children with Baby Bottle Tooth Decay	

Protocol for Professional Institutions to Conduct a System Analysis for Oral Health



PAN AMERICAN HEALTH ORGANIZATION REGIONAL ORAL HEALTH PROGRAM

PROTOCOL FOR PROFESSIONAL INSTITUTIONS TO CONDUCT A SYSTEM ANALYSIS FOR ORAL HEALTH

This document contains questions directed to enecessary for the system analysis of oral health			t and	
There are 7 parts: 1) Oral Health Policy and Planning 2) Human Resources 3) Supply and Demand of Services 4) Infrastructure 5) Financial Resources 6) Research 7) Additional Information				
I. Oral Health Policy and Planning				
1. Describe the organizational	structure of the	ne society		
2. List the legal responsibilities	es that regulate	e the profession		
3. Identify the policies about I	HIV and Hepa	titis B		
II. Human Resources				
Number of members in				
Number of dentists per specialty:				
Speciality Full Time Part Time				
General Dentists				
Oral Surgeons				
Public Health				
Periodontistis				

Endodontists
Prosthodontists

Pedondontists	Full Time	Part Time
Orthodontists		
Oral Pathologists		
Military		
Others		

	Full Time	Part Time
operating dental auxiliaries		
Dental assistants		
Dental hygienists		
preventive dentistry auxiliaries		
laboratory technicians		
non-dental administrative		
personnel		

Number of Dentists/10,000 People	
----------------------------------	--

III. Supply and Demand of Services

Total number individuals served by the dentists per year

Age Group	Number Treated
0-5	
6-12	
13-18	
18 and older	

Primary interventions (check services provided routinely)

Service	Individual	Community Based
Topical Fluoride		
Rinses		
Gel		
System Fluoride		
Salt		
Water		
Sealants		
Health Education		
Oral Cancer Screening	_	
ART		

Secondary Interventions (check services provided routinely)

Services	Individual	Community Based
Fillings		
Extractions		
Crowns		
Fixed Bridges		
Partial Dentures		
Full Dentures		
Endodontics		
Periodontal Treatment		
Orthodontics		

IV.	Infrastructure
	Describe the type of facilities use in the space provided.

Annual Budget

	US\$
Total budget	
Salaries	
Operations:	
Administration	
Research	
Publications	

VI. Research

Indicate areas of research and briefly describe projects in the space provided.

•	Cariology	
•	Periodontology	
•	Dental Materials	
•	Animal Studies	
•	Care Delivery	
•	Fluoridation	
•	Epidemiology	
•	Other	

Briefly desc	cribe:	
-		
VII. Addit	ional Information	
a)	Number of dentists in the country	
b)	Number of dentists per 10,000 population	
c)	Number of operating dental auxiliaries	
	per 10,000 population	
d)	Number of Dental Graduates per year	·
e)	DMFT at age 12 for the country (year & source)	
f)	Percent children with Early Childhood Caries	

Please indicate your e-mail address:

Protocol for Governmental Institutions to Conduct a System Analysis for Oral Health



PAN AMERICAN HEALTH ORGANIZATION REGIONAL ORAL HEALTH PROGRAM

PROTOCOL FOR GOVERNMENTAL INSTITUTIONS TO CONDUCT A SYSTEM ANALYSIS FOR ORAL HEALTH FOR

This document contains questions directed to obtain the information pertinent a	and
necessary for the system analysis of oral health in	

There are 7 parts:

- 1) Oral Health Policy and Planning
- 2) Human Resources
- 3) Supply and Demand of Services
- 4) Infrastructure
- 5) Financial Resources
- 6) Research
- 7) Additional Information

I. Oral Health Policy and Planning

Describe the hierarchy for decision making and the regulation for the oral health delivery system. Indicate the relationship of oral health to primary health care. Copies of organization chart and regulations at national, state or provincial level can be mailed as answers to item a) and b).

- a) Internal Management Structure
 - Dental Director
 - Administrators
- b) Regulations
 - Infection control guidelines
 - HIV policy
 - Health personnel vaccinated against Hepatitis B
 - Policy on Flouridation
 - ART Services
- c) Indicate the relationship to the primary health care system

II. Human resources

Indicate the number of dental personnel in government service. Answers can be recorded in the spaces provided. If categories in your country differ from the ones listed, please indicate appropriate names and describe their respective activities

Speciality	Full Time	Part Time
General Dentists		
Oral Surgeons		
Public Health		
Periodontistis		
Endodontists		
Prosthodontists		
Pedondontists		
Orthodontists		
Oral Pathologists		
Military		
Others		
	Full Time	Part Time
operating dental auxiliaries	I dii I iiic	1 uit IIIIC
dental assistants		
dental hygienists		
preventive dentistry auxiliaries		
laboratory technicians		
non-dental administrative personnel		
non-dental administrative	eople	
non-dental administrative personnel Number of Dentists/10,000 Pe	y the program I routinely.	
non-dental administrative personnel Number of Dentists/10,000 Personnel ov and Demand of Services ethe number of individual served be dicate the type of services provided Total number individuals serve	y the program I routinely.	ram per year
non-dental administrative personnel Number of Dentists/10,000 Personnel y and Demand of Services the number of individual served belicate the type of services provided Total number individuals serve	y the program I routinely.	
non-dental administrative personnel Number of Dentists/10,000 Personnel y and Demand of Services the number of individual served be icate the type of services provided Total number individuals serve	y the program I routinely.	ram per year
non-dental administrative personnel Number of Dentists/10,000 Personnel and Demand of Services the number of individual served being the type of services provided Total number individuals serve	y the program I routinely.	ram per year

b) Primary interventions (check services provided routinely)

Service	Individual	Community Based
Topical Fluoride		
Rinses		
Gel		
System Fluoride		
Salt		
Water		
Sealants		
Health Education		
Oral Cancer Screening		
ART		

c) Secondary Interventions (check services provided routinely)

Services	Individual	Community Based
Fillings		
Extractions		
Crowns		
Fixed Bridges		
Partial Dentures		
Full Dentures		
Endodontics		
Periodontal Treatment		
Orthodontics		

IV. Infrastructure

Describe the type of facilities use in the space provided.

a)	Type of Clinic	number
b) c)	Please indicate total number of operations Does the program provide services at other sites? (check all that apply):	
	 Mobile clinics At Community Centers At Schools with portable equipment Others (specify) 	
V. Financia	al Resources	
Indicate th	e annual budget for the oral health program and allocati	ons as requested below.
a) b)	Annual budget for the program (US\$) Breakdown into allocations as a percentage Of the annual program budget: • Salaries • Material	
	 Preventive programs topical fluoride systemic fluoride education sealants 	
c)	 Comprenhensive Dental Care Sources of Finance (check all that apply) Public Private Donations Patient Fees 	

• Other

VI. Research

	• Cariology	
	Periodontology	
	Dental Materials	
	 Animal Studies 	
	 Care Delivery 	
	• Fluoridation	
	 Epidemiology 	
	• Other	
riefly desc	eribe:	
II. Addit	ional Information	
II. Addit	ional Information	
	ional Information Number of dentists in the country	
a)	Number of dentists in the country	
a) b)	Number of dentists in the country Number of dentists per 10,000 population	
a) b)	Number of dentists in the country Number of dentists per 10,000 population Number of operating dental auxiliaries	
a) b) c)	Number of dentists in the country Number of dentists per 10,000 population Number of operating dental auxiliaries per 10,000 population	

Please indicate your e-mail address: