



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF EDUCATION, CULTURE AND SPORTS
Marcelo Avenue, Pasig, Metro Manila

OFFICE OF THE SECRETARY


May 6, 1997

DECS MEMORANDUM
No. 174, s. 1997

NATIONAL ORAL HEALTH SURVEY IN PUBLIC ELEMENTARY SCHOOLS

To: Bureau Directors
Regional Directors
Directors of Services/Centers and Heads of Units
Schools Superintendents
All Others Concerned

1. Dental caries is a major health problem among the school children, despite intensive delivery of services by our school dentists nationwide. The condition has remained consistently high and ranked first among the ten common ailments that affects the school populace.
2. In order to determine the different variables and factors that impinges in the implementation to resolve this problem - this Department, through the Health and Nutrition Center, shall undertake a Nationwide Oral Health Survey among the children in public elementary schools, results of which shall be the bases for the re-direction of policies on dental health.
3. The survey aims to identify the prevalence rate as well as the different variables that impedes on the implementation of the project.
4. The survey will commence on June to July 1997 and shall be undertaken by trained school dental officers from the regional offices and selected divisions under the supervision of the dental personnel from the central office. Cross-posting of examiners shall be done to avoid biases in data gathering.
5. Travel expenses, per diems and other expenses incidental to this project shall be charged from HNC funds which shall be sent through fund transfer to the region.
6. All regional directors and schools superintendents are requested to extend full support to this project.
7. Inclosed are the project brief; cross-posting of oral examiners and list of schools by division per region (inclosures 1-3).
8. Widest and immediate dissemination of this Memorandum to all concerned is desired.


RICARDO T. GLORIA
Secretary

Incls.:

As stated

Reference:

N o n e

Allotment: 1-2--(M.O. 1-87)

To be indicated in the Perpetual Index
under the following subjects:

HEALTH EDUCATION

OFFICIALS-

PUPILS

SURVEYS

PROJECT BRIEF

I. RATIONALE :

The need for an oral health survey to establish valid and reliable baseline data has been a long felt need of the Department . Several studies were conducted previously but none ever revealed the true picture of the dental status of the schoolchildren.

The DECS, through the Health and Nutrition Center embarks on a Nationwide Oral Health Survey in Public Elementary Schools to gather valuable and accurate data which will be vital to the re-direction of policies and to the planning of a viable and responsive dental program in the future.

II. OBJECTIVES :

This survey aims to assess the extent , severity of dental caries , gingival disease and the Knowledge , Attitudes and Practices (KAP) of the schoolchildren in public elementary schools .

Specifically , the survey is expected to :

1. Gather the baseline data on the prevalence rate of dental caries in terms of determining the proportion of :

a.) Caries free children in the elementary school

b.) children with decayed teeth by :

- grade level
- sex
- age group
- income level
- school classification (central , non-central)
- Regional Location
- island setting (Luzon, Visayas, Mindanao)

c.) Status of 6 yr. molars

2. Determine the number of decayed teeth of the children by :

- grade level
- sex
- age group
- income level
- school classification
- regional location
- island setting

3. Assess the degree of severity of gingival disease among the schoolchildren ;

4. Determine the Knowledge, Attitudes, and Practices (KAP) of the children regarding dental health;
5. Evaluate the school dental health care services.

III. PROJECT DESCRIPTION :

This descriptive survey will be conducted nationwide. The preparatory phase was already done in July 1996 to May 1997. This included calibration of oral examiners, random sampling of divisions and schools, testing of survey instruments and drafting of DECS Memorandum. The implementation phase will be from June to July 1997.

This will involve 19,200 pupils, 960 teachers, 160 school principals as respondents. The oral examiners will be composed of Supervising Dentists and selected Division Dentists. Cross-posting of examiners shall be done to avoid biases in data gathering (enclosure # 2).

IV. SELECTION OF TARGETS BY RANDOM SAMPLING :

1. **Selection of Divisions** - There are 80 divisions involved in the survey. The number of divisions involved per region was determined by the percentage of the divisions in the region against the total no. of divisions nationwide.

2. **Selection of schools** - Random selection of schools was performed at the Health and Nutrition Center, Pasig City. The schools selected were, one central and one non-central school in each Division. Schools randomly chosen are situated in one school district to minimize travel time. Schools under the following criteria was automatically eliminated during the random sampling to facilitate data gathering :

1. Index schools for Mouthrinsing Program
2. Inaccessible to transportation
3. Situated in critical areas
4. Incomplete elementary schools

3. **Selection of pupils** - One section for each grade level shall be selected by random selection. Twenty pupils for each grade level (10 boys and 10 girls) shall be selected using systematic random sampling.

Example: Gr. I-section I

$$\text{Formula: } \frac{\text{total number of boys}}{\text{no. of pupils (boys) needed}} = \frac{20}{10} = 2$$

so every second child is chosen to complete the 10 (sample size). The same procedure shall be applied for the girls.

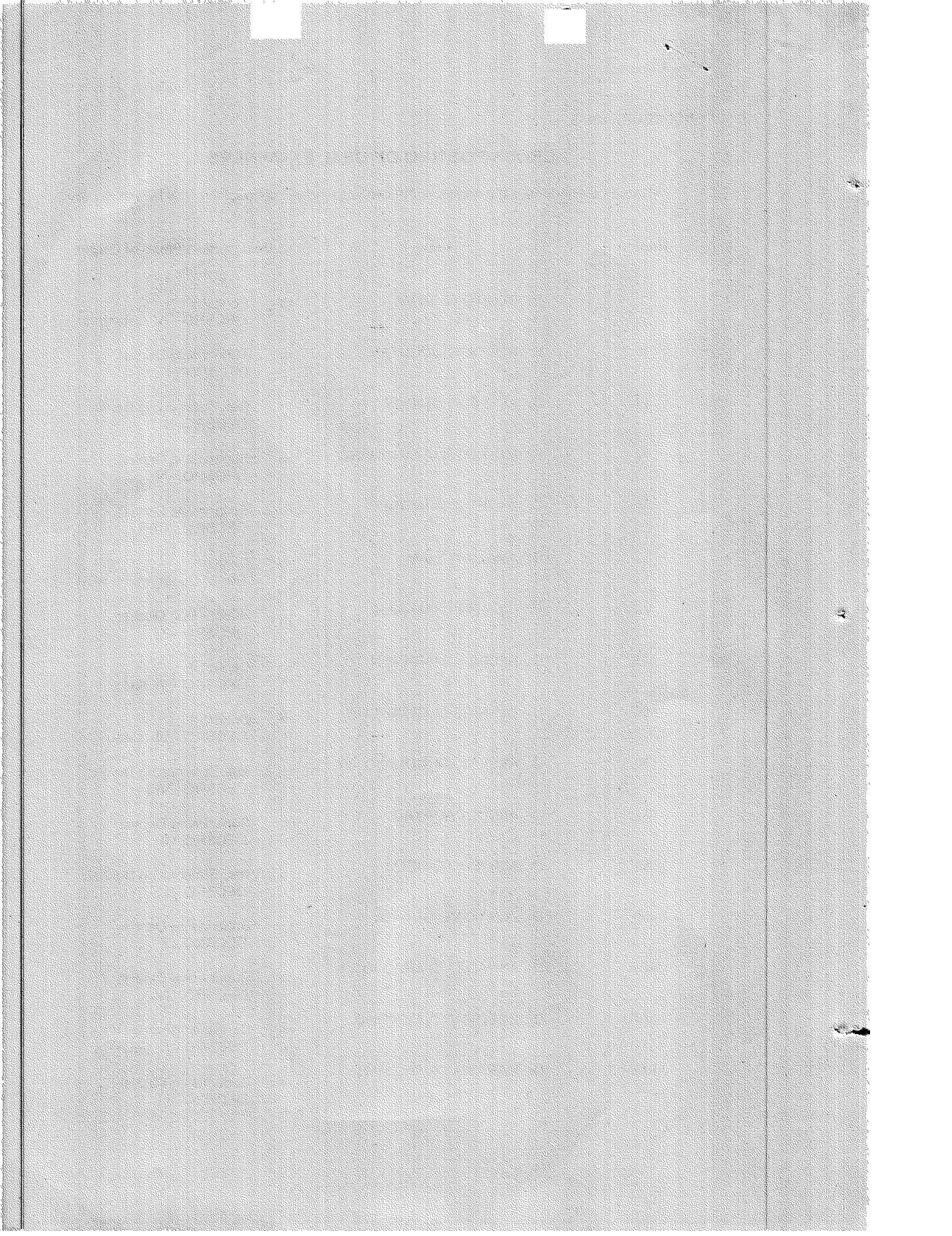
4. **Selection of teachers** - Teacher in-Charge of sections randomly selected will automatically be the respondent.

5. **Selection of principals** - Principals of Schools involved in the survey will be the respondent.

ENCLOSURE No. 2**CROSS-POSTING OF ORAL EXAMINERS**

Listed hereunder are the names of the dentists who will conduct the Oral Health Survey.

Region	Name	Designation/Place of Origin
I	Dr. BENITO G. SILVA	⇒ Dentist II DECSRO - IV, Batangas
II	Dr. RODOLFO JUCUTAN	⇒ Supervising Dentist DECSRO - I
III	Dr. ALFREDO QUIROS	⇒ Ret. Supervising Dentist DECSRO - I
IV	Dr. MA. ROSALIA MANINANG	⇒ Supervising Dentist DECSRO - V
V	Dr. JULIET B. PONTINO	⇒ Supervising Dentist DECSRO - CAR
VI	Dr. AMALIA P. LIAM	⇒ Dentist II Div. of Quezon City, NCR
VII	Dr. CRISTINA HALASAN	⇒ Supervising Dentist DECSRO - XI
VIII	Dr. NELDA F. MARAÑON	⇒ Dentist II DECSRO - VI, Iloilo
IX	Dr. GLYNNIS O. GUINOCOR	⇒ Dentist II DECSRO - VII, Cebu
X	Dr. ARSENIO M. NUDALO, JR.	⇒ Supervising Supervising Dentist DECSRO - VIII
XI	Dr. ABDUL PAGAYAO	⇒ Supervising Dentist DECSRO XII
XII	Dr. ALFREDO QUIROS	⇒ Ret. Supervising Dentist DECSRO - I
XIII	Dr. ZENAIDA L. CUDIRA	⇒ Supervising Dentist DECSRO - X
NCR	Dr. ANNALIZA T. ARAOJO	⇒ Supervising Dentist DECSRO - IV
CAR	Dr. ROSITA V. TOLENTINO	⇒ Dentist-In-Charge DECSRO - II, Iligan
ARMM	Dr. MARAVIA DE GUZMAN	⇒ Supervising Dentist DECSRO - III



ENCLOSURE # 3

List of pre-selected Divisions, Schools per Region involved in the Survey as determined through random sampling.

Region	Division	District	Schools
I	SAN CARLOS CITY	District II	* S.L. Central E.S. - Malacanang ES
	PANGI I	Mangatarem District	* Mangatarem I CES - Bueno ES
	ILOCOS NORTE	SND	* San Nicolas CES - Eladio V. Daangan ES
	LA UNION	Luna II	* Centoria CES - Pila Elem. School
	LAOAG CITY	District II	* Shamrock CES - La Paz Elem. School
	II	ISABELA	Naguilian
	NUEVA VIZCAYA	Villaverde	* Villaverde C.E.S. - Bintawan ES
	CAGAYAN	Tuguegarao West	* Camalanogon ES - Dugo ES
III	ANGELES CITY		* Guero Balibago E.S. - E.M. Ganzon E.S.
	CABANATUAN CITY		* Cabanatuan East ES - Mabini ES
	PAMPANGA		* Sta Ana CES - Sta. Lucia E.S.
	BULACAN	Norzagaray	* Tigbe E.S. - Minuyan E.S.
	NUEVA ECIJA		* Llanera CES - Andres Bonifacio ES
	IV	CAVITE	Silang I

			- Biga Elem. School
	ROMBLON	San Agustin	* San Agustin CES - Eachawan E.S.
	BATANGAS PROV.	Balayan West	* Balayan West C.S - San Pico Elem. Sch.
	PALAWAN	Narra	* Narra Pilot School - Calatigas E.S.
	MARINDUQUE	Torrijos	* Torrijos C.S. - Malibago E.S.
	MINDORO ORIENTAL	Bansud	* Bansud C.S. - Tiguisan E.S.
	CAVITE CITY	I	* Julian R. Felipe C.S - Sangley E.S.
	BATANGAS CITY	New	* Julian A. Pastor MS - Malitan E.S.
	LIPA CITY	South	* Lipa City South C.S - Rizal E.S.
	LAGUNA	Cabuyao	* Cabuyao CES - Marinig South E.S.
V	LEGASPI CITY		* Albay CES - Homapon E.S.
	IRIGA CITY		* San Antonio CES - Sto. Nino Elem. Sch
	CAMARINES SUR	Nabua	* Nabua West E.S. - Sto. Domingo E.S.
	SORSOGON		* Bulan South E.S. - Gate Elem Sch.
	CATANDUANES	San Andres West	* Cabcab Elem Sch. - Agoho Elem. School
VI	NEGROS OCC.	VIII	* A. Talisay South CS

			- B. Tayabas ES
	SILANG CITY	IV	* A. North C.E.S. - Lantad E.S.
VI	AKLAN	Mabinao	* Mabinao C.E.S. - Tambuan E.S.
	LA CARLOTA	Dist. III	* La Bringa CES - La Carlota II
	BAGO CITY		* Bago City CES - Lagiman E.S.
	ROXAS CITY	II	* Bansa Central Sch - Amando Bayot M.S.
	SAN CARLOS CITY	I	* A Ramon Magsaysay - Medina E.S.
VII	CEBU PROV.	Talisay II	* Tabnec Cent. E.S. - Lagtang E.S.
	LAPU-LAPU CITY	West City	* LapuLapu CES - Ba bag I.E.S.
	MANDAUE	North Dist.	* Basak C.E.S - Labagon ES
	BOHOL	Dawis	* Dawis CES - Biking E.S.
	TOLEDO CITY	West District	* North CES - Magdugo E.S.
VIII	EASTERN SAMAR	Salcedo	* BagtongCES - Buabua ES
	SOUTHERN LEYTE	San Juan Macrohon	* San Juan CES - Ichon ES
	LEYTE	Tolosa Jaro II	* DZRM CES - Jaro Elem. School
	NORTHERN SAMAR		* Palapag CES - Cabatuan ES
	SAMAR		* Jipapad CES

			- Buntag ES
IX	ZAMBO CITY	Manikahan	* Manikahan CES - Sangali ES
	ZAMBO. DEL NORTE	Liloy	* Liloy CES - Cominada ES
	PAGADIAN CITY	City Central	* Pagadian City CES - Danhugan ES
	DAPTAN CITY	Barcelona	* Barcelona CES - Mahay ES
X	MIS. OCC.		* Talairon CES - Clarin Sett ES
	OZAMIS CITY		* Tabid CES - Litapan ES
	GINGOOG CITY		* Lunao CES - Bartaawan ES
	CAGAYAN DE ORO CITY		* Bulua CES - Pagatpat ES
	BUKIDNON		* Linabo CES - Canagaan ES
XI	DAVAO DEL SUR	Padada	* Padada CES - Piape ES
	DAVAO DEL NORTE		* Panabo CES - Fizal ES
	DAVAO ORIENTAL		* Maliao CES - Lopez ES
	SOUTH COTABATO	Midsayap N.	* Tupi CES - Cebuano ES
XII	COTABATO PROV.	Midsayap North	* Kimagango CES - Malanate ES
	ILIGAN CITY	North	* Iligan City North CS - Villaverde ES
	COTABATO CITY	IV	* Lugaylugay CES - Foxas ES

	LANAO DEL NORTE	Kapatagan West	* Banlili CES - Bansanil ES
XIII			
CARAGA			
	SURIGAO DEL NORTE	Tubod	* Tubod CES - Marga ES
	SURIGAO CITY	IV	* C.D. Diez CMES - Ipil ES
	BUTUAN CITY	South East District	* Alveola Vill. CES - Maibu ES
NCR	QUEZON CITY		* Flacido del Mundo - Goodwill Elem. Sch
	PASIG, MARIKINA, SN JUAN		* Kabayanan ES - Addition Hills
	PARANAQUE, LAS PINAS		* Tambo ES - Camp Claudio ES
	Pasay City	N. District	* Palomo CES - Edces ES
	CALOOCAN		* Tandang Sora ES - C. Arellano ES
	VALMANA		* Pio Valenzuela ES - Pasolo Elem.
CAR	MOUNTAIN PROV.		* Paracelis Elem. - Ambasing ES
	IFUGAO		* Iamut CES - Panodpodan ES
	BAGUIO CITY		* Dona Aurora ES - Magsaysay ES
	ABRA	Tayum	* Tayum CES - Don Marcos Rosales ES
ARMM	SULU		* Sultan M. J. Kiram - Lapa ES
	TAWI-TAWI		* Pongao CES - Bongao ES
	LANAO DEL SUR II	Buadiposo Buntong	* Ragondingan CES - Buntong Pos ES