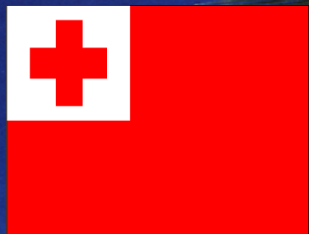
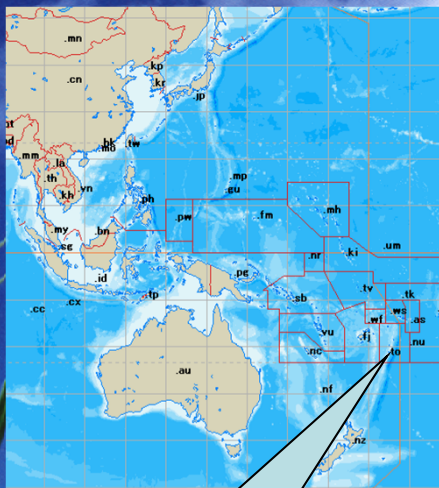


School –based fluoride mouth rinse-in program in the Kingdom of Tonga

**Ministry of Health,TONGA
Dr.Sililo Tomiki**



The Kingdom of TONGA



The Kingdom of TONGA



ROYAL FAMILY



Pumpkin



Church



Rugby

Tonga, a South Pacific Independent Polynesian Island

Introduction

The Kingdom of Tonga has more than 170 islands spread over an area of the South Pacific roughly the size of Japan.

According to the WHO decay rating in 1986, Tonga DMFT for the 12 years old was low (1.0). The islands traditional diets were thought to be responsible for the low prevalence of dental caries.

In 2001 DMFT of 12 years old children were 4.85 in the main island, and 2.60 in Lifuka. Percentage of persons with caries, 89.4% in the main island and 70.0% in Lifuka. Percentage of teeth treated 4.4% in male and 1.5% in female.

Fluoride in water

Tongatapu	0.11 — 0.26ppm
Lifuka	0.54 ppm

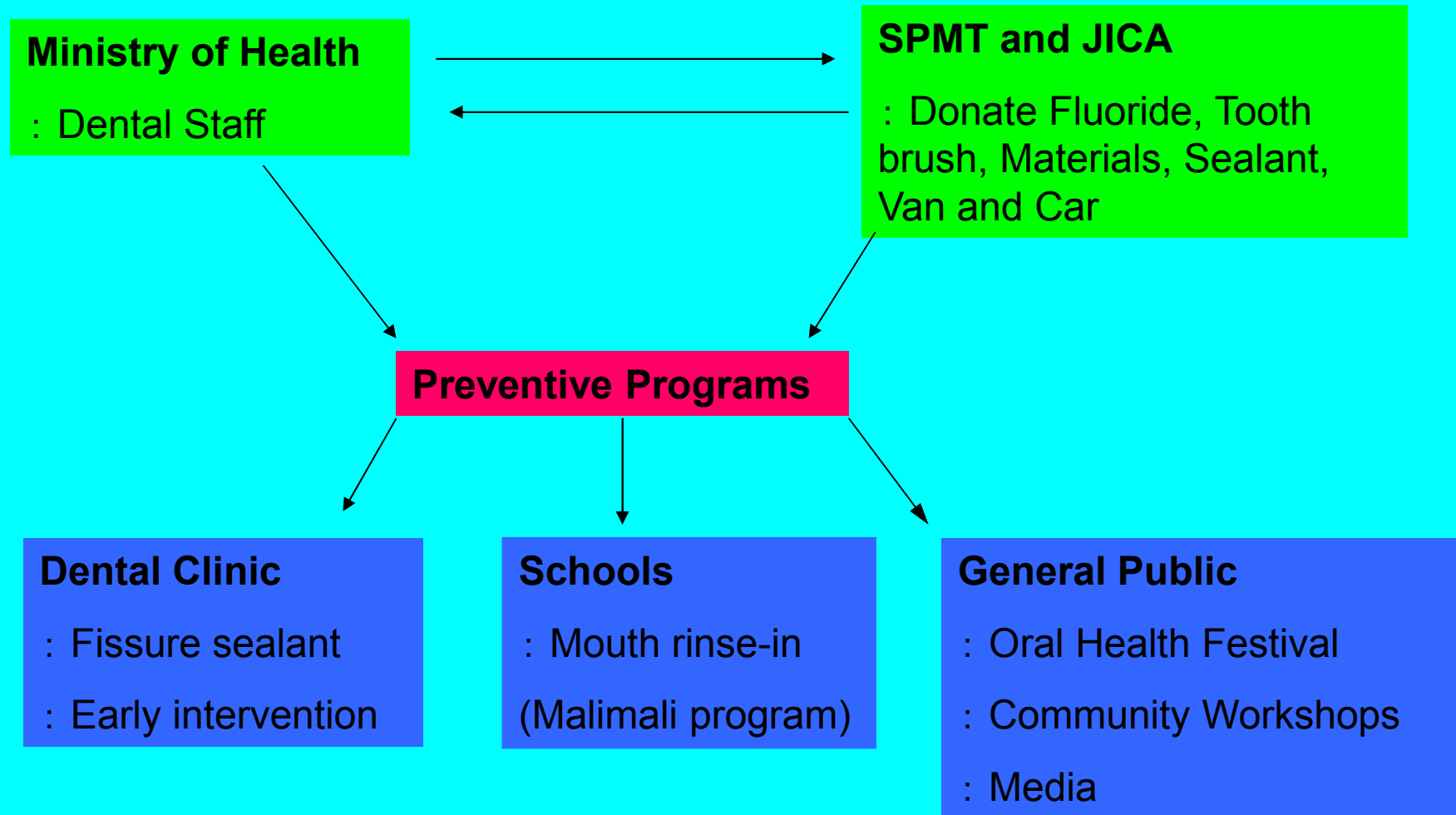
Introduction (Continue)

- The results of the 1996 population census indicated that the population was 97,784 and the projected population for Tonga for 2004, was 101,865. It may increase to 103,289 by 2007.
- Total number of dentists (in Service) : 9
- Dentist to population ratio = 1 : 11,318

Typical caries



Oral Health Preventive Programs



SPMT activities in Tonga



SPMT Meeting with Dr.TANGI



Preventive Clinic



Donated car for fluoride delivery services



Workshop

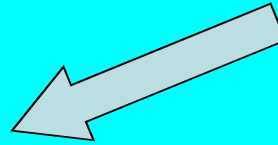


Oral Health Festival

Preventive Oral Health Program in School

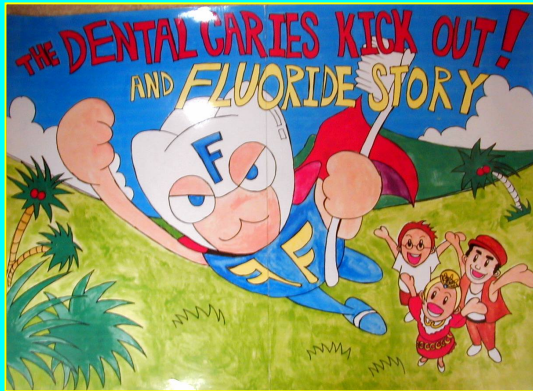
- 1. Regular oral check in school**
- 2. Oral health education**
by Leaflet, Picture Story, Poster and Media
- 3. Tooth brushing instruction**
- 4. Fluoride mouth rinse-in program**
Primary school : 0.2% NaF (7– 10mls) ,1 min
Kindergarten : 0.05% NaF (5mls) , 30 sec
- 5. Fissure sealant program in children dental clinic**
- 6. Early intervention in dental clinic**

Preventive Oral Health Program in Primary School



Fluoride Mouth Rinsing

Preventive Oral Health Program in Kindergarten



First molar Tooth



Fluoride Mouth Rinsing

TONGA SCHOOL DENTAL SERVICE TEAM

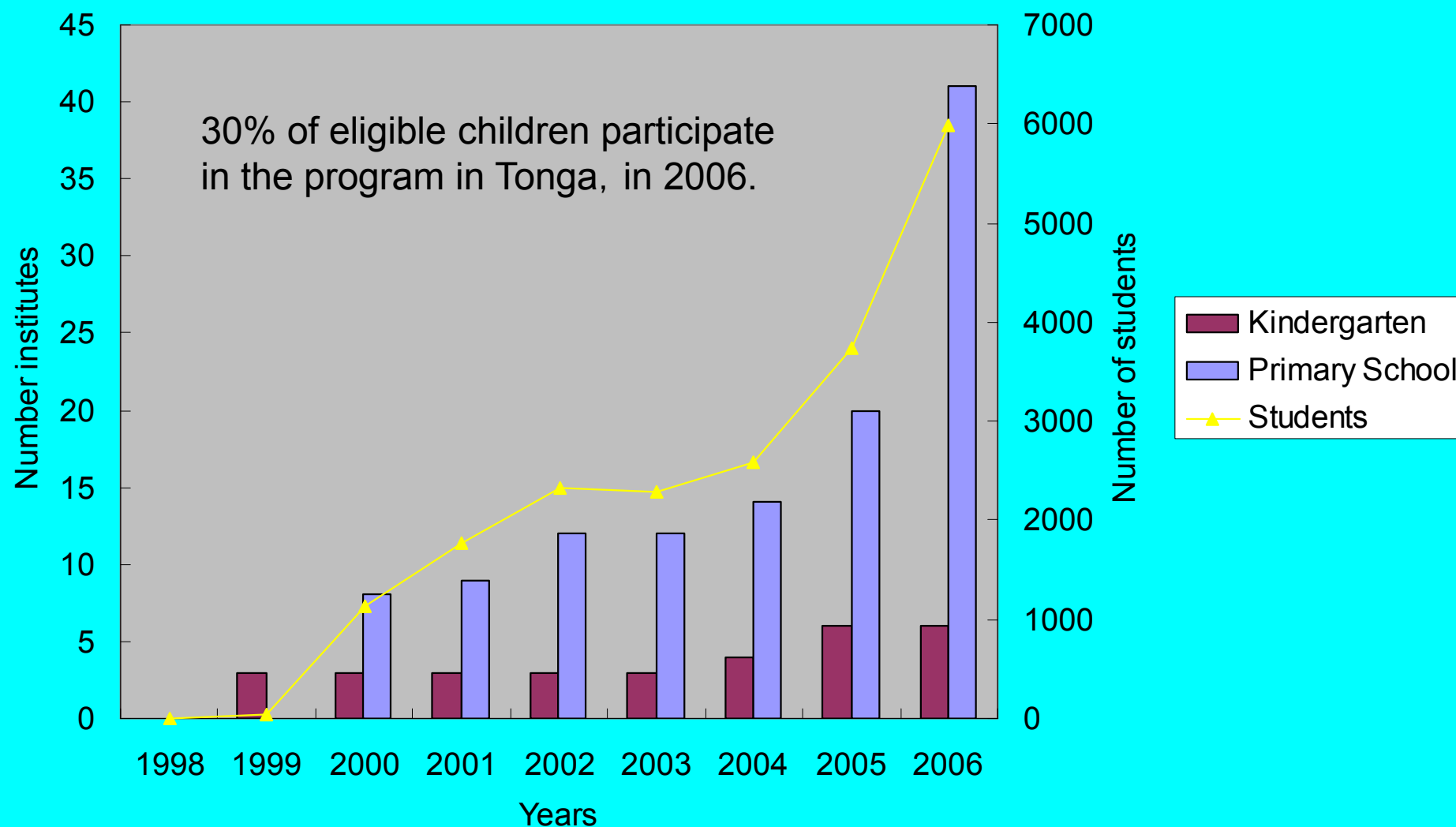


MALIMALI PROGRAM (Ministry of Health/JICA/SPMT)



South Pacific Medical Team in action

School-based Fluoride Mouth Rinse-in Program from 1998 to 2006



Percentage of the amount of fluoride retained while rinsing (4 and 5-year-olds: N=48).

Age	N	Mean (%)	Amount of fluoride retained (mg)*
4~5yr	48	13.5	0.15

* : Estimated amount of fluoride as used 5ml of 0.05% NaF solution

MALO 'AUPITO



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