

AUROVILLE DENTAL CENTRE EDUCATION RESEARCH RURAL ACTION

' CARIES FREE CHILDREN '

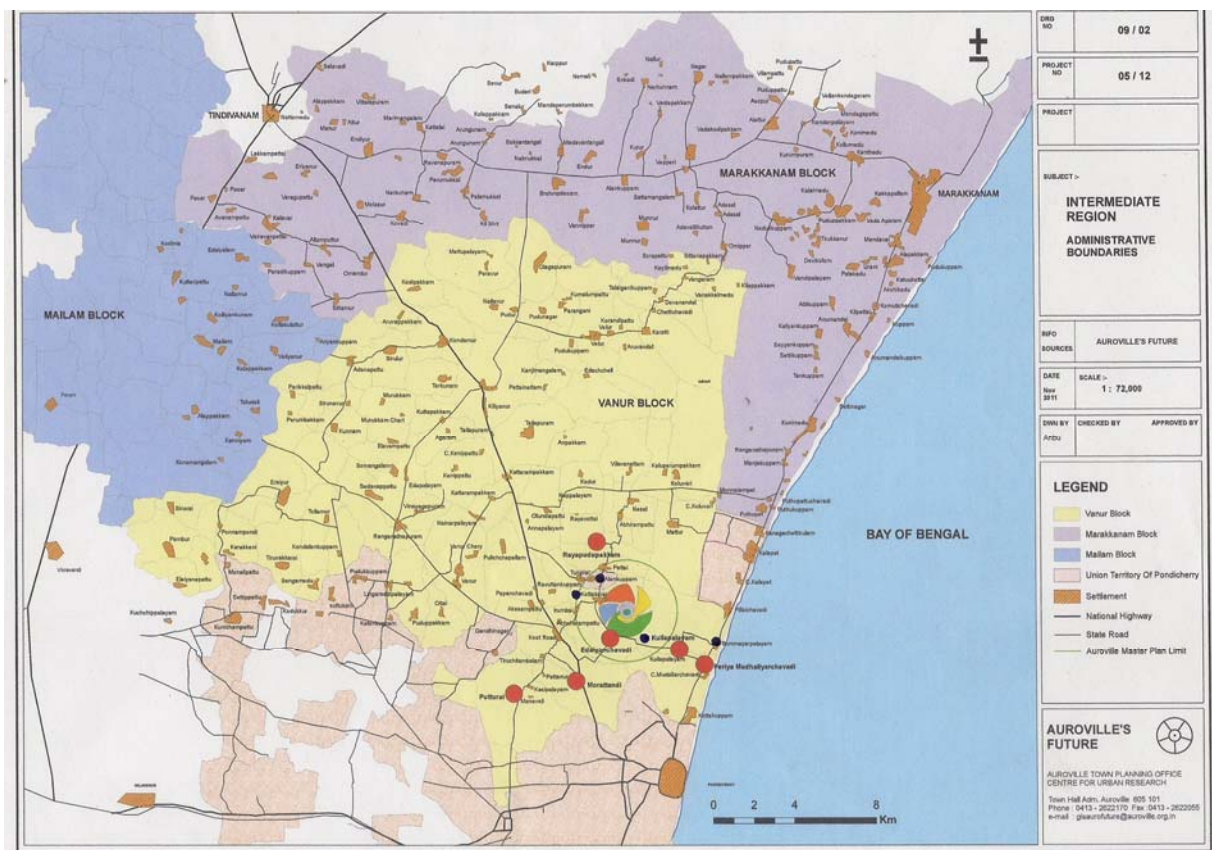
December 2011

A. DESCRIPTION OF THE PROJECT

Auroville Dental Centre Education Research Rural Action (ADCERRA) - a Unit under Auroville Foundation located in the South East of India, 10km North of Puducherry - was created with the goal of reducing the need for dental care.

Our rural programme was designed to address the absence of dentists for the population of 25,000 people spread in 19 villages who have access to dental care in the Dental Clinic from the villages of Vanur and Markkanam areas.

This includes more than 4,000 school children below 15 years old, only within the area where the Sub-Centres are located.



Red spots: 6 Sub-Centres with permanent set-ups
Dark blue spots: 4 set-ups in the schools which are revolving



The Dental programme is mainly carried out in the schools and sub-centres with Dental Health Workers to achieve this goal of “Carie free children”.

Our project has grown progressively since 1994 with the two main objectives: 1- to minimize the need for care, 2- priority to children in rural areas without dental facility.

In 2011, the program is running through:

- **Our team** of 22 members including: 3 project holders, 1 dentist, 1 assistant, 1 trainer, 1 technician, 1 secretary and 10 “dental health workers” with 2 dental supervisors.
- **Our structure** is decentralized with the Dental Clinic in Auroville’s Health Centre and 10 set-ups in the surrounding villages in Sub-Centres and schools.



Implementation of the project “Carie free Children”

Dental check-ups, education and instruction for tooth brushing in all the schools, scaling and follow up treatment (ART) for more than 4,000 children from 11 villages every year,

For the children who need more complex treatment, we arrange the transport to the Dental Clinic of Auroville Health Centre.



The women are employed full time or part time.

They share their time between their visits of schools and their work at the Sub-Centres.

They provide:

- At school: check-ups (every school is visited once per year).
- In the Sub-Centres:
 1. Check-ups;
 2. Cleaning and scaling (tartar removal);
 3. Prevention of caries: pits and fissures of permanent teeth are closed with sealants.
 4. Treatment of caries with ART technique.



- Sub-centres are also busy with spontaneous visits of patients.
- Refer to Dental Clinic the more complex cases of adults and children which cannot be done in the Sub-Centres.

Achievements

After 17 years of existence, the programme is a strong asset for the population. A solid experience was built up: the results and impacts are encouraging.



- Dental care are provided where there where no dental facilities previously.
- The basic care prevent the need for extractions and other unaffordable dental care. The early treatments avoid bigger problems.



- New awareness in force:
Rural children became aware of dental health. Adults became aware of nutrition issues, of the benefits of oral health for their children, and of prosthesis treatment for themselves.
- The regular meetings with village leaders, headmen and women's clubs to motivate the population have enhancing mutual understanding and cooperation.



- All our "hygienists" enjoy a new recognition.
They are proud of being useful to their own communities as well as being more independent.

B. PREVENTIVE PROGRAMME : toothpaste and toothbrushes distribution, scaling and ART data

1. Details of the school children below 15 years from the 17 schools, which are under our programme.

(Children start in the crèche from the age of 2 and the 1st standard starts from the age of 5).

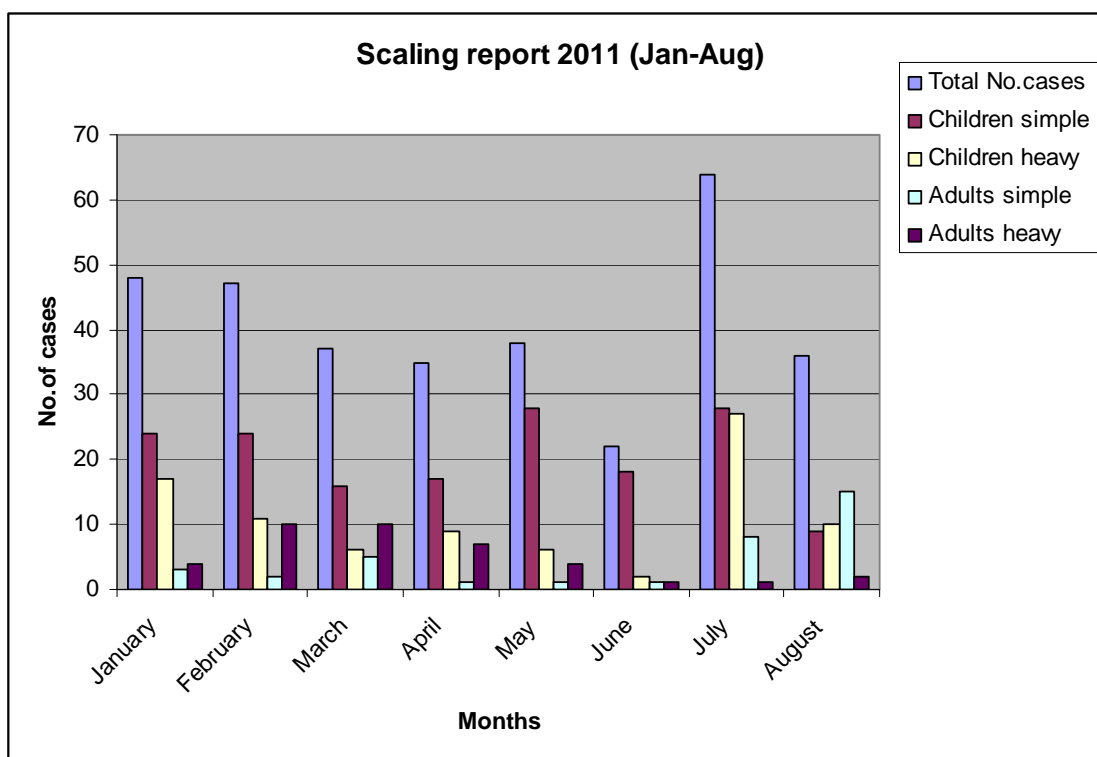
Name of the schools	Standards	No. of Students
Aikiyam school	1 st – 8 th	238
Auroville schools	Crèche – 12 th	345
Boomiyapalayam Government school	1 st – 8 th	105
Cinnamudaliarchavadi Government school	1 st – 5 th	86
Edayanchavadi Government school	Crèche – 8 th	137
Isaiambalm school	Crèche – 8 th	115
Kottakarai Govt. school crèche	1 st – 5 th	79
Kuilpalayam Government school	1 st – 5 th	15
Moratandi Government school	1 st – 5 th	50
Moratandi Govt. school crèche	1 st – 5 th	52
Palayam Trust school	LKG – 5 th	307
Periyamudaliarchavadi Government school	1 st – 8 th	188
Poothurai Govt. school	Crèche – 10 th	406
Ragavendra	LKG – 7 th	63
Rayapudupakkam Govt. school	1 st – 5 th	60
Trust school	LKG – 12 th	1,883
Udavi school	LKG – 12 th	200
Total		4,329



2. Scaling and ART report 2011 for 8 months were scalings are done once in a month and ART is performed once in a week in the sub-centres and in the schools. The Health Workers are working 10 hours per month in average.

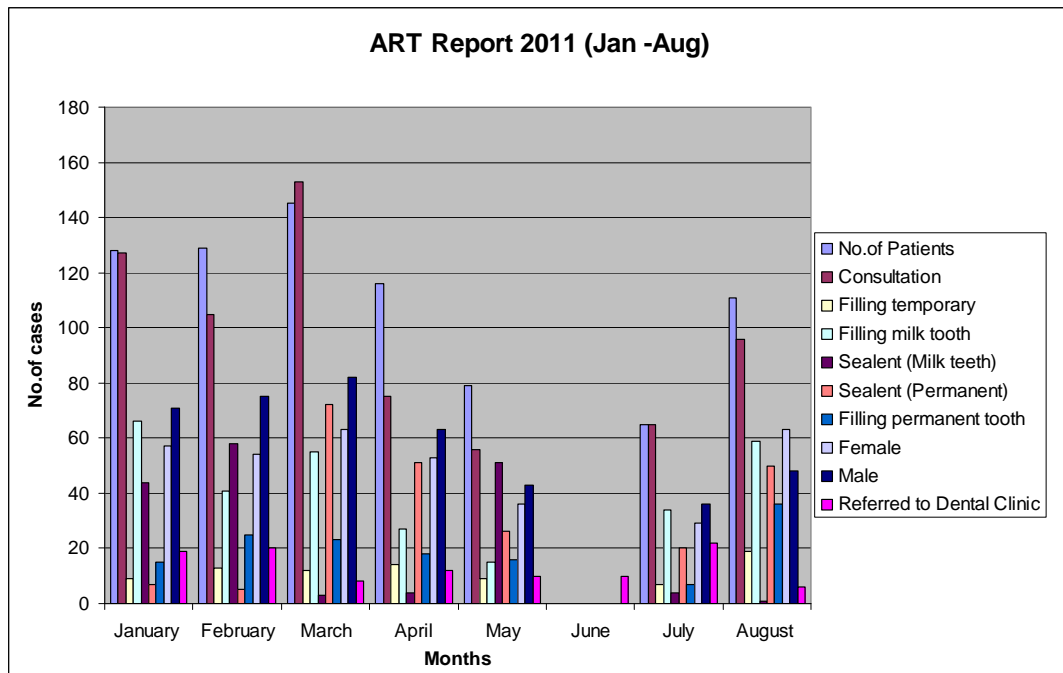
Scaling report 2011 (Jan to Aug)
(Monthly once)

	Total No. cases	Children simple	Children heavy	Adults simple	Adults heavy
January	48	24	17	3	4
February	47	24	11	2	10
March	37	16	6	5	10
April	35	17	9	1	7
May	38	28	6	1	4
June	22	18	2	1	1
July	64	28	27	8	1
August	36	9	10	15	2
TOTAL	327	164	88	36	39



ART report 2011 (Jan to Aug)
(Weekly once)

Months	No.of Patients	Consultation	Filling temporary	Filling milk tooth	Sealant		Filling permanent tooth	Female	Male	Referred to Dental Clinic
					M	P				
January	128	127	9	66	44	7	15	57	71	19
February	129	105	13	41	58	5	25	54	75	20
March	145	153	12	55	3	72	23	63	82	8
April	116	75	14	27	4	51	18	53	63	12
May	79	56	9	15	51	26	16	36	43	10
June *	Survey done	in the villages								10
July	65	65	7	34	4	20	7	29	36	22
August	111	96	19	59	1	50	36	63	48	6
TOTAL	773	677	83	297	165	231	140	355	418	107



*In June the survey in the villages was involving the Dental Health Workers.

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