

## **MEDICAL AND PUBLIC HEALTH**

### **Introduction**

The Health Care in the Union Territory of Puducherry has been delivered through a network of 8 major Hospital, 4 CHCs, 39 PHCs, 77 Sub-Centres, 14 ESI Dispensaries and 17 Disease Specific Clinics. Annually over 57 lakhs outpatients and over 1.40 lakhs in-patients are treated in these 159 health care centres/Institutions. In the Health Care Delivery Services, the Union Territory of Puducherry has been adjudged as the best in the country. Accessible medical care is ensured within an average distance about 1.18 kilometres.

### **Reduction of IMR**

The U.T. of Puducherry has been able to achieve the Infant Mortality rate of 24 against the national goal of 28 to be achieved during the Eleventh Plan period. Neo-natal death has been considerably reduced from 406 in 2007-08 to 300 in 2008-09. (NMR 2007-08 – 20.54 % and 2008-09 – 17.03%). Initiatives are being taken to reduce the IMR further to 17. It has been identified that the Mortality of infant is due to low birth weight of the babies. Therefore steps have been taken to increase the weight of the new born babies by taking care of the pregnant mothers who have been advised to attend the Health Centres frequently for accessing their health and weight of the baby. They are also provided with the adequate supplementary medicines to increase the weight of the baby. The Maternity Hospital has been conducting the following weekly Special Clinics to reduce the IMR:

- Well-Baby Clinic
- Post-Natal Clinic
- High Risk Clinic

The Health services for the infants would further be strengthened during Annual Plan 2010-11. The mothers would be informed through SMS or Phone about their next health check-up.

### **Reduction of MMR**

Efforts have been taken to ensure two ante-natal check-ups during the last trimester. In order to increase the weight of the new born babies, provision of Nutrition through anganwadis, self-help groups and Mahila Mandals are

implemented. Specialists' services including gynaecologists have been extended to 8 PHCs for consultations. Health Department provides better care to pregnant mothers. Nearly 98.6 % mothers had atleast 3 ante-natal care visits. 96% mothers receive post natal care within 48 hours of delivery. Initiatives are taken to reduce the Maternal Mortality Rate by training the Health personnel to interact with the pregnant mothers for attending four ante-natal check-ups in the nearest Health Centre. Lady Health Visitors and ANMs would be educated and the pregnant would be motivated for intake of nutritional supplements and consumption of Iron Folic Tablets particularly during first & second trimester. Since more than 98 % deliveries are conducted in the health institutions, it has been able to achieve the lowest Maternal Mortality rate of 36 against the national target of less than 100 / 1 lakh live births(Eleventh Plan Target). In order to achieve **100% Institutional Deliveries, Monetary incentives** of Rs.700/- in rural areas and Rs.600/- in urban areas are provided to the patients for attending the Hospital for deliveries.

### **Reduction of Total Fertility Rate**

- Total Fertility Rate of 1.7 is the lowest in India against the national goal of 2.1 of the Eleventh Plan Period. An exclusive Infertility Clinic and Genetic Counselling Clinic have recently been started in the Maternity Hospital, Pudukherry. Prevention of Parent to Child transmission of HIV infection Programme is also established.

### **Sex Ratio**

Government of India has the target to raise the Sex Ratio for age group of 0-6 years to 935 by 2011-12 and to 950 by 2016-17. The Union of Territory of Puducherry has well ahead of the national target in the maintenance of Sex Ratio. Due to strict implementation of PC & PNMT Act and close monitoring of the sex ratio of children, the sex ratio is maintained at a balanced level.

<b>Adult Sex Ratio as per 2001 census</b>	<b>Juvenile Sex as per Ratio 2001 census</b>	<b>Children 0-5 years IPPI Survey 2009</b>
<b>1001</b>	<b>958</b>	<b>977</b>

To improve the overall health of adolescent girls in the Union Territory of Puducherry, **Special School Health Programmes** was initiated comprising of general health check-up, haemoglobin estimation and treatment of anemia,

deworming, nutrition, immunization, health promotion, raising awareness about sexual and reproductive health.

### **Reduction of Malnutrition among Children**

The Government of India has proposed to reduce the malnutrition among children of age group 0-3 years to half of the present level. The Union Territory of Puducherry is closely monitoring the health of infants/children in the age group of 0-3 years through house-hold visit and survey of the ANMs and LHVs. Moreover, all the General Hospital and Primary Health Centres have conducting weekly special Paediatrics clinics for vaccination and regular health check-ups. The Indira Gandhi Government General Hospital and Post Graduate Institute, Puducherry is conducting weekly Special Clinics in the Paediatrics OPD as detailed below:

Respiratory	Monday
Epilepsy	Tuesday
Cardiac	Wednesday
Well Baby	Thursday
Nutrition	Friday

ANMs of the Health Centres are visiting the Anganwadi Centres in their respective areas to identify the children with malnutrition and provide them with nutritional supplements and Anganwadi are also instructed to provide nutritional diet and special care to the children with malnutrition.

### **Life Style Modification**

Due to change in the life style of the people of Puducherry, a majority portion of the population is following prey to the Diabetic and hyper tension diseases. Hence the focus during the Annual Plan 2010-11 would be to educate the people of Puducherry through media, Mini-Exhibition, Health Programmes, etc. about healthy eating habits and routine exercises. It is also proposed to set up a Diabetic Wing/ Block in the Indira Gandhi Government General Hospital and Post Graduate Institute to provide better health care to the diabetic affected people.

## **ACHIEVEMENTS DURING 2008-09 :**

- 24 Hours Medical Services and Mobile Medical Unit at Primary Health Centre, Bahour has been inaugurated.
- A new building for Health Sub-Centre, Selliamedu has been inaugurated.
- Land has been acquired for Sub-Centres at **Kuruvinatham and Pudukuppam.**
- A diagnostic and therapeutic equipment - Cath Lab costing 4.52 cores was commissioned on **28.11.2008** by the Hon'ble Health Minister. Cardiac Cath Lab is the '**State of the art**' equipment used for performing Cardiac Catherization of complex congenital heart diseases, Coronary Angioplasty for Coronary Artery Diseases, Peripheral and renal angioplasty, Balloonoplasty and Pace-maker implantation.
- 17748 deliveries and 3816 Tubectomy Sterilization were performed.
- **Neo-natal death has been considerably reduced from 406 in 2007-08 to 300 in 2008-09. (NMR 2007-08 – 20.54 % and 2008-09 – 17.03%)**
- 9780 persons adopted the permanent methods of sterilization
- 12403 cataract operations were performed and percentage of IOL implantation being 99.47 %.
- 2015 school students were supplied with free glass out of 5104 students who were screened for refractive error.
- 171 camps were conducted and screening of 9278 patients and extraction(334), scaling(115), fillings(973), minor surgery(24), root canal treatment(18) and fluoride application treatment are provided to the needy patients and students.
- A branch of Mother Theresa Institute of Health Sciences has been started at Mahe region with two Diploma courses in Medical Lab Technology and Mutli-Purpose Health Worker. New courses viz. - LHV Course(Promotional course for in-service ANM), Msc. Nursing, PBBSc. Nursing, M. Pharm and MPT have been started in Puducherry.
- The Union Territory of Puducherry has been declared as "**Leprosy Free State**". The Prevalence Rate of U.T. of Puducherry as on March 2009 is 0.37 per 10,000 population. Full Integration i.e. structural and vertical integration of Leprosy services has been achieved.

- **Puducherry** is a non endemic area for Dengue, Malaria, etc. A limited break-out of Chikungunya was effectively controlled. Mass Drug Administration for control of Filariasis is effectively implemented.
- DEC Tablets were distributed to the 9,91,240 people of Puducherry under Eradication of Filariasis Programme.
- An **ESI Hospital Development Committee** has been constituted in October 2008 covering ESI Hospital and all ESI Dispensaries in Puducherry and Karaikal.
- The **Super-speciality Cashless Service** Scheme has been implemented for ESI Beneficiaries.
- Health Mela was conducted at Mahe for creating awareness on Health services and Comprehensive Health Check-up was also provided during the Mela.
- The Health Insurance Scheme commenced in Mahe and Yanam regions.

#### **LIKELY ACHIEVEMENTS DURING 2009-10**

- Cardiac Thoracic Surgery will be conducted in the Indira Gandhi Government General Hospital and Post Graduate Institute .
- One Dialysis unit will be established in the Government General Hospital, Karaikal.
- Health Insurance Scheme will be extended to the BPL families of Karaikal region.
- A “Central Liquid Medical Oxygen Plant” has been set up with a capacity of 10,000 litres at Indira Gandhi Government General Hospital and Post Graduate Institute.
- The state-of the art equipment “Extracorporeal Shock Wave Lithotripsy” (ESWL) was installed at a cost of Rs.2.25 crores in the Indira Gandhi Government General Hospital and Post Graduate Institute.
- Inauguration of LHV courses in the Mother Theresa Institute of Health Sciences.
- Inauguration of New Building for the Health Sub-Centre at Kathirkamam.
- One Dialysis unit will be established in the Government General Hospital, Karaikal.
- Health Insurance Scheme will be extended to the BPL families of Karaikal region.

## **PROPOSED TARGETS FOR 2010-11**

- Construction of Medical College will be taken up so as to commence the Hospital and College in the ensuing year.
- Medical Courses will be started from the academic year 2010-11.
- Women and Children Hospital will be commenced.
- Proposed to set up a Diabetic Wing / Block in the Indira Gandhi Government General Hospital and Post Graduate Institute
- Proposed to construct a own building for the Directorate of Health and Family Welfare Services for which the land for the construction is available.
- Proposed to start a Cardiac Thoracic Surgery Unit, a separate OPD for Master Health Check Up, a Diabetic Wing services in the Indira Gandhi Government General Hospital and Post Graduate Institute.
- Training Institute for Health Personnel is proposed.
- Provision has been made for the Matching grant to National Rural Health Mission for award of 15% of the state share.
- Post Graduate programmes in 3 more specialities and Ph.d programme will be started in the Mahatma Gandhi Post Graduate Institute of Dental Sciences.

## **INDIAN SYSTEM OF MEDICINE AND HOMOEOPATHY**

A separate Department of Indian Systems of Medicine and Homoeopathy was established to facilitate the development of Ayurveda, Siddha, Unani, Naturopathy and Yoga and Homoeopathy systems of Medicine. The ISM&H offers uninterrupted health care facility to the people and serving as alternative to Allopathic System with better therapeutic goals and peoples satisfaction. The Panchakarma Special Therapy Unit started functioning with overwhelming response from the public. The 10-bedded Government Ayurveda Hospital at Chalakkara, Mahe started functioning and is to be expanded with infrastructure development and facilities. Naturopathy & Yoga unit will be started during the current financial year to provide non-pharmacological treatment to the public.

- Construction of 50 bedded ISM&H Hospital including OPD and IPD( 20 beds for Ayurveda, 20 beds for Siddha and 10 beds for Homoeopathy) along with administrative Block and College in Puducherry Region.
- Construction of Ist Floor of the Government Ayurveda Hospital, Mahe to expand all the facilities.
- Starting of Paramedical courses in Pharmacy in Ayurveda, Siddha and Homoeopathy, 10 students initially in the Mother Therasa Institute of Health Sciences at Puduchery.
- Construction of separate building for accommodating ISM&H units, within the campus of CHC and PHC of Puducherry/Karaikal/Mahe/Yanam Regions.
- Panchakarma Special Therapies will be expanded with all facilities.

#### **ACHIEVEMENT DURING 2008-09:**

- Grant-in-aid under the Centrally Sponsored Scheme for AYUSH Dispensaries for the procurement and supply of essential drugs, has been released.
- Proposal for establishment of 16 new ISM & H Units under the Centrally Sponsored Scheme through NRHM has been approved and released funds.

#### **LIKELY ACHIEVEMENTS DURING 2009-10 :**

- 14 new ISM & HG Units in the existing PHCs/CHCs have already been opened under Centrally Sponsored Scheme in Puducherry and Karaikal Regions. 2 new ISM & H units in the existing PHCs in Mahe Region to be opened shortly.
- Establishment of Panchakarma Special Therapy Units in Karaikal, Mahe and Yanam Regions under Centrally Sponsored Scheme through NRHM.
- Starting of In-patient facilities in Government Ayurveda Hospital, Chalakara, Mahe.
- Establishment of Herbal Gardens in Government Institutions and offices.
- Establishment of Thokkanam and Varma Special Therapy Unit in Puducherry.

- Establishment of Drug Quality Control lab for AYUSH medicines in Puducherry.

**PROPOSED TARGETS FOR 2010-11:**

- Land acquisition for the proposed 50 bedded ISM & H Hospital and Administrative Block.
- Construction of 50 bedded ISM & H Hospital (20 bed for Ayurveda, 20 bed for Siddha and 10 bed for Homoeopathy) with Administrative Block.
- Establishment of Panchakarma Special Therapy Units in Karaikal, Mahe and Yanam Regions under Centrally Sponsored Scheme through NRHM.
- Establishment of Herbal Gardens in Government Institutions and Offices.
- Establishment of Thokkanam and Varma Special Therapy Unit in Puducherry.
- Establishment of Drug Quality Control lab for AYUSH medicines in Puducherry.
- Establishment of one year Masseur Course in Ayurveda and Siddha.
- Establishment of 2 year integrated course in Pharmacy (Ayurveda, Siddha and Homoeopathy).



## OUTLAY AT A GLANCE

Sector : MEDICAL & PUBLIC HEALTH

No. of Schemes : 26

Department : 1. HEALTH & FAMILY WELFARE SERVICES  
2. INDIAN SYSTEM OF MEDICINES

(Rs. in lakh)

Eleventh Five Year Plan 2007-12 Outlay	:	138685.23
Annual Plan 2007-08 Actual Expenditure	:	13364.11
Annual Plan 2008-09 Actual Expenditure	:	9937.01
Annual Plan 2009-10 Approved Outlay	:	14919.54
Annual Plan 2009-10 Revised Outlay	:	15795.54
Annual Plan 2010-11 Proposed Outlay	:	26545.19

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

### HEALTH & FAMILY WELFARE SERVICES

1.	Improvements / Construction / Opening of sub-centres and Rural / Urban Health Centres & Construction of Staff Quarters	2446.39	238.70	351.05	421.89	516.04	468.80
2.	Improvements / Construction / Conversion of Primary Health Centre as CHC and Construction of Staff Quarters	1854.95	189.14	234.14	188.20	220.70	220.42
3.	Improvements to General Hospitals	40041.48	2803.50	3858.00	3778.30	4698.82	4860.53
4.	Improvements to Maternity Hospital & Child Health Services	6220.00	440.37	567.52	2027.35	2230.31	2147.51

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
5.	Improvements to Govt. Pharmacy	1698.00	135.47	359.77	348.25	347.25	386.25
6.	Improvements to Ophthalmic Services	160.00	22.94	44.77	47.25	66.06	53.85
7.	Mahatma Gandhi Dental College and Hospital	3000.00	640.00	855.00	855.00	935.00	1816.50
8.	Mother Theresa Institute of Health Sciences	3400.00	432.00	535.00	535.00	635.00	937.71
9.	T.B. Control Programme	633.55	56.12	78.88	75.07	114.38	147.52
10.	Leprosy Control Programme	246.94	20.49	34.82	40.46	54.02	46.15
11.	Improvements to Filaria Control & Malaria Eradication Programme	243.50	8.84	23.61	19.26	18.99	40.76
12.	Employees State Insurance Scheme	260.00	59.11	89.07	72.37	73.38	74.52
13.	Strengthening of Directorate of Health & Family Welfare Services and Offices of Dy. Directors.	2144.52	399.32	587.02	764.10	918.34	780.29
14.	Strengthening of Physical Medicine and Rehabilitation Services	155.41	13.78	11.56	11.56	6.99	9.52
15.	Development of Information, Education and Communication Services	125.00	23.05	19.32	24.25	18.05	25.35
16.	Improvements to Food & Drugs. Admn.	265.55	27.14	34.62	36.23	41.21	43.01

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
17.	Construction Women and Children Hospital	5000.00	1100.00	1352.00	--	--	--
18.	Setting up of Government Medical College	56165.00	4000.00	500.00	500.00	2000.00	12000.00
19.	Creation of infrastructure for Tsunami Affected Areas	10000.00	2400.00	--	1750.00	1750.00	1250.00
20.	Training Institute for Health Personnel	1000.00	--	--	1.00	1.00	25.00
21.	Community Health Insurance Scheme	1282.20	119.20	119.19	500.00	850.00	850.00
22.	Negotiated Loan	--	--	--	2642.00	--	--
	<b>Sub-total</b>	<b>136342.29</b>	<b>13129.17</b>	<b>9655.34</b>	<b>14637.54</b>	<b>15495.54</b>	<b>26183.69</b>
	<b>INDIAN SYSTEM OF MEDICINES &amp; HOMEOPATHY</b>						
22.	Strengthening of Directorate of ISM&H, Construction of ISM&H Hospital and Administrative Hospital and Establishment of Para-Medical Courses	1395.94	12.63	21.02	22.99	26.35	26.50
23.	Improvement / Opening of Ayurveda Dispensaries / Hospitals and Panchakarma Therapies	140.00	144.74	170.29	165.60	151.29	208.00

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24.	Improvement / Opening of Homoeopathy Dispensaries	135.00	16.04	15.13	17.27	28.35	31.50
25.	Improvement / Opening of Siddha Dispensaries and Thokkannam & Varma Special Therapy	640.00	61.20	74.80	75.56	93.26	94.50
26.	Improvement / Opening of Unani Dispensaries and Setting up of Naturopathy and Yoga Unit	32.00	0.33	0.43	0.58	0.75	1.00
	<b>Sub-total</b>	<b>2342.94</b>	<b>234.94</b>	<b>281.67</b>	<b>282.00</b>	<b>300.00</b>	<b>361.50</b>
	<b>TOTAL</b>	<b>138685.23</b>	<b>13364.11</b>	<b>9937.01</b>	<b>14919.54</b>	<b>15795.54</b>	<b>26545.19</b>