

## Website Details in respect of NLEP – Goa.

### Leprosy Epidemiology :

Leprosy a communicable disease was present as far back as 1400 B.C. when it was known as “**Khushta**”. Leprosy is mentioned in Vedic Writings, Bible, Chinese Literature, and European History. **Hansen** discovered the Lepra Bacilli in the early 19<sup>th</sup> Century. Regions like Africa, South East Asia, the Western Pacific region, South & Central America, Eastern Mediterranean, Northern Europe & certain areas of North America.

India is an endemic country with no. of cases with Prevalence Rate <1/10,000 population. As of 2010, three states have a high Prevalence Rate namely Bihar, Chattisgarh, Dadara & Nagar Haveli, Jharkhand has achieved Prevalence Rate <1 /10,000 population. Goa has achieved stage of elimination ie :<1/10,000 population in the year December, 2006. The present registered new cases both (local -70 & outsider-96) totally 166 with Prevalence Rate of 0.41 per 10, 000 population. The disability ratio among newly detected cases is less than 2%. The female % is 31.58% (6). Child proportion is high with 13%. Multi bacillary cases are 13 with 68.42%.

There are 899 People Affected with Leprosy (PALs) (cured) are registered in the State of Goa as shown in the table. They are being given self care practices through Prevention Of Deformity (POD) camps by Urban Health Centre, Cottage Health Centre /Primary Health Centre & General Health Care Staff bi-annually.

<b>Units</b>	<b>Local PALS</b>
UHC PANAJI	35
UHC MAPUSA	54
UHC VASCO	52
UHC MARGAO	50
CHC PERNEM	17
CHC VALPOI	24
CHC PONDA	60
CHC CURCHOREM	41
CHC CANACONA	22

<b>Units</b>	<b>Local PALS</b>
PHC BETHKI	55
PHC BICHOLIM	44
PHC CORLIM	50
PHC CASARVANEM	05
PHC ALDONA	15
PHC COLVALE	06
PHC CANDOLIM	74
PHC SIOLIM	30
PHC SANQUELIM	42
PHC MADKAI	32
PHC SHIRODA	14
PHC CORTALIM	29
PHC CANSAULI	39
PHC CURTORIM	24
PHC CHINCHINIM	08
PHC BALI	08
PHC SANGUEM	27
PHC QUEPEM	13
PHC LOUTLIM	29

They are provided with Micro Cellular Rubber (MCR) Footwear twice a year also referred to Re-Constructive Surgery (RCS) at Goa Medical College where an incentive of Rs.5000/- is given to the beneficiary (Below Poverty Line) and Rs.5000/- to the institution conducting the procedure (Goa Medical College).

Goa Medical College is a recognized Re-Constructive Surgery (RCS) unit in the State of Goa headed by the Plastic Surgeon & Orthopedic Surgeon.

There is a Leprosy Hospital at Macazana, Curtorim with 150 bedded Hospital under PHC-Curtorim. Presently 7 inmates in the age group of 50-70 (4 males & 3 females) are being taken care of by the State of Goa. There are no Leprosy Colonies in Goa.

The vertical programme of Leprosy is integrated in to the General Health Care system. Leprosy Scenario in Goa for the last 5years.

## **EPIDEMIOLOGICAL STATUS FOR LAST 5 YEARS**

	<b>New Cases Detected</b>	<b>ANCDR per 1 Lakh Population</b>	<b>Cases on record</b>	<b>PR per 10,000</b>	<b>Grade II Disability</b>	<b>Disability %</b>
<b>2005-06</b>	<b>186</b>	<b>13</b>	<b>144</b>	<b>0.99</b>	<b>5</b>	<b>2.6</b>
<b>2006-07</b>	<b>146</b>	<b>10</b>	<b>118</b>	<b>0.78</b>	<b>3</b>	<b>2</b>
<b>2007-08</b>	<b>156</b>	<b>10.4</b>	<b>112</b>	<b>0.78</b>	<b>3</b>	<b>2</b>
<b>2008-09</b>	<b>117</b>	<b>7.6</b>	<b>86</b>	<b>0.57</b>	<b>3</b>	<b>2.56</b>
<b>2009-10</b>	<b>86</b>	<b>5.7</b>	<b>58</b>	<b>0.38</b>	<b>1</b>	<b>1.16</b>
<b>2010-11 upto Nov' 2010</b>	<b>69</b>	<b>5.45</b>	<b>142</b>	<b>0.45</b>	<b>0</b>	<b>0</b>

Chart showing Global, national & local scenario of leprosy case.

<b>Geographical Distribution</b>	<b>Registered Cases 1981-82</b>	<b>2002-2003</b>	<b>2003-2004</b>	<b>2004-2005</b>	<b>PR 2004-2005</b>
World	12 Millions	52306	44199	286063	0.45
India	39,53700	34518	26578	148910	1.34
Maharashtra	31,2871	29680	29497	16513	1.57
Goa	560	294	320	290	1.42

Cases detected and put on treatment from April 2010 till date. (5 months reports)

<b>Months</b>	<b>Cases Under Treatment</b>		<b>Cases Cured</b>	<b>PR</b>
	<b>Locals</b>	<b>Others</b>		
APRIL 10	63	91	8	0.41
MAY 10	65	90	14	0.42
JUNE 10	60	88	15	0.39
JULY 10	63	92	11	0.41
AUGUST 10	70	96	11	0.45
SEPTEMBER 10	68	88	15	0.44

The Block Leprosy Awareness Campaign on BLAC IV – 2007 from state centre for the period 15/10/2007 – 30/10/2007.

Sr. No.	Name of the District	Population of identified Blocks	No of houses covered	No. of persons contacted	No. of cases reported at the Health Centre during & after the campaign
1.	North Goa (Mapusa)	36549	5639	11432	3
2.	South Goa (Madgaon)	77557	7635	1968	6

The special School Health Surveys carried out in the month of February 2010 at Vasco & Chimbel. The results are as shown below :

1. Vasco – 14365 School children screened with 4 cases detected & 2 are put on treatment
2. Chimbel 1500 School children screened with Nil cases

The National Sample Survey (NSS) (Leprosy) conducted in June to August 2010 under the guidelines of National Institute of JALMA, Agra by involving PRI, NGO and General Health Care Workers.

The result is as shown in the table.

<b>North Goa</b>	<b>Number of Houses Covered</b>	<b>Number of Population Covered</b>	<b>Number of suspected cases by teams</b>	<b>Number of new cases Confirmatory Team (PMW)</b>	<b>Number of cases validated by NGO &amp; MO specialist</b>	<b>Remarks</b>
<b>PERNEM Block</b>						
CHC Pernem	--	46232	33	NIL	NIL	
PHC Casarvane	--	23135	14	NIL	NIL	
PHC Colvale	--	29697	9	NIL	NIL	
PHC Siolim & Bardez	--	1458	NIL	NIL	NIL	
<b>PONDA Block</b>						All are local cases
CHC Ponda	18886	70547	58	NIL	9	- DO -
PHC Shiroda	1446	16754	22	NIL	NIL	

Five Laboratory Technicians ( 1 – GMC and 4 – DHS) are trained for Skin Smear Examination in Leprosy at Chengalpattu, Chennai.

Special School Health Survey is being carried out / planned for the month of December 2010 from 13<sup>th</sup> to 22<sup>nd</sup> December 2010.