

Guidelines on Quarterly assessment of New Case Detection Rate (NCDR) under National Leprosy Eradication Programme

Background

Annual New Case Detection Rate (ANCDR) is an important Indicator being used under the National Leprosy Eradication Programme. The indicator is calculated at the end of March every year, wherein New Cases detected during the period April (Previous Calendar year) and March (current year) is used. Being annual the indicator was not much utilized to assess the epidemiological changes in the programme. Further till the year 2002-03, there was practically no reduction in the ANCDR in the country.

In view of the above, Prevalence Rate (PR) was utilized in the programme to measure achievements under NLEP. Further, special measures were taken every year on the basis of PR. Monthly availability of PR also helped in keeping active track on the disease epidemiologically.

With elimination of leprosy at the National level and in most of the states and districts, time has come to put in higher emphasis on ANCDR while PR also can remain for few more years to show progress in elimination in the remaining states and districts.

Quarterly Assessment of NCDR

As indicated above ANCDR is worked out under NLEP every year with March ending data. It is now proposed to work out NCDR quarterly as below :-

**1st Quarter – June'07 – New cases detected during July'06 to June'07 × 100,000
Population**

**2nd Quarter – Sept.'07- New cases detected during Oct.'06 to Sept.'07 × 100,000
Population**

**3rd Quarter – Dec.'07 – New cases detected during Jan.'07 to Dec.'07 × 100,000
Population**

**4th Quarter – March'08 – New cases detected during April'07 to March'08 × 100,000
Population**

A statement showing new cases detected and NCDR, State/UT wise as on June 2007 is enclosed as **Annexure – I**. As per this statement NCDR in June 2007 is 12.01/100,000 as against 12.07/100,000 in March 2007 at the National level. Statewise changes in quarterly new case detection can be seen from this statement.

Use of ANCDR under NLEP

- (i) This quarterly assessment of NCDR at National / State / District / Block level will help in better understanding of the leprosy status in different areas, on which action can be initiated in time.
- (ii) Under the SIS guidelines (2002), a quarterly performance assessment format (LF-06) was introduced for use of District and State level. The format is to be modified as MLF-06, in which Quarterly NCDR is to be included for assessment and action. The MLF-06 is enclosed as **Annexure – II**.
- (iii) Both the actual number of new cases detected during the year and ANCDR are important for analysis of the leprosy situation.

Annexure – II

M.L.F - 06

Quarterly Performance Assessment

District - _____

State - _____

Quarter - _____

Year - _____

S. No.	Block/District	PD Ratio	Female (%)	New Visible Deformity (%)	SC/ST Rate		New cases *(NCDR/ 100,000)	Sub-Centre involvement (%)	Patient Month BCP.Stock				Corrective Action Taken
					SC	ST			MB(A)	MB(C)	PB(A)	PB(C)	
1													
2													
3													
4													
5													

* Quarterly NCDR to be put within Bracket