

New case detection: cause celebre?

New cases- the change

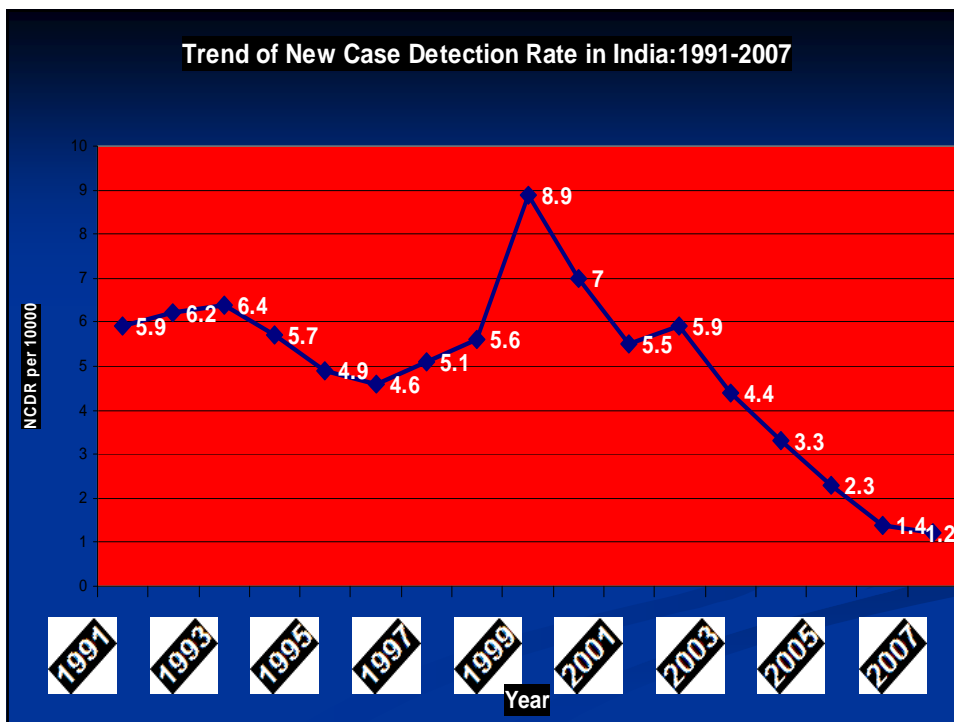
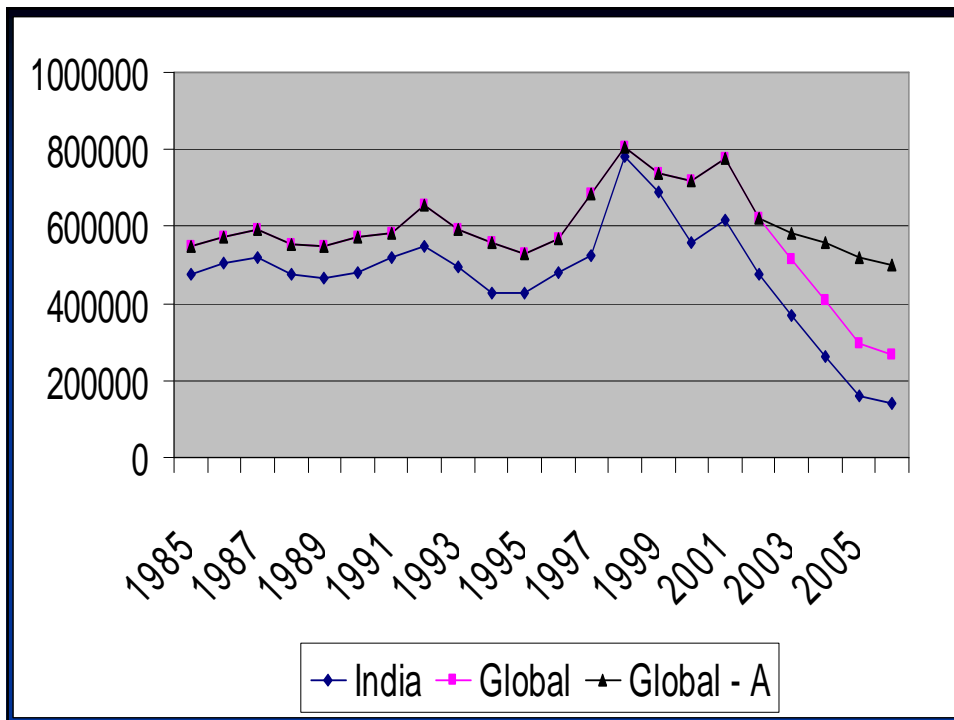
- Change in New cases
 - Drift/Shift
 - Endogenous/ Exogenous
 - Operational/Epidemiological
 - Socioeconomic
 - Health/hygiene
 - Case definition- “Case” ; “New”
 - Programme strategy (including targets)
 - Case detection strategy
 - Diagnostic efficiency

| Year | Bangladesh | Sri Lanka | Brazil | India | Global |
|------|------------|-----------|--------|--------|--------|
| 1985 | 4834 | 847 | 19265 | 477000 | 550224 |
| 1986 | 4118 | 1194 | 18476 | 507000 | 573790 |
| 1987 | 3349 | 1074 | 19685 | 519000 | 594145 |
| 1988 | 3676 | 1123 | 26053 | 474000 | 553597 |
| 1989 | 4057 | 1053 | 27837 | 466000 | 550743 |
| 1990 | 5748 | 2633 | 28482 | 481000 | 571792 |
| 1991 | 5229 | 2881 | 30094 | 517000 | 584412 |
| 1992 | 7307 | 2432 | 34451 | 547000 | 653354 |
| 1993 | 6943 | 1884 | 34235 | 494000 | 590933 |
| 1994 | 7983 | 2098 | 32515 | 429543 | 560646 |
| 1995 | 8782 | 1852 | 32724 | 425571 | 529376 |
| 1996 | 11225 | 1518 | 35922 | 482552 | 566604 |
| 1997 | 11320 | 1548 | 39792 | 524494 | 684998 |
| 1998 | 12351 | 1376 | 43933 | 783117 | 804449 |
| 1999 | 14336 | 1757 | 42055 | 691620 | 738284 |
| 2000 | 12135 | 1700 | 43175 | 559938 | 719330 |
| 2001 | 11287 | 2280 | 41070 | 617993 | 774877 |
| 2002 | 9844 | 2214 | 38365 | 473658 | 620672 |
| 2003 | 8712 | 1912 | 49206 | 367143 | 514718 |
| 2004 | 8242 | 1995 | 49384 | 260063 | 407791 |
| 2005 | 7882 | 1924 | 38410 | 161457 | 296499 |
| 2006 | | | 44436 | 139252 | 265661 |

WHO

What do we see?

- No apparent perceptible change whatsoever- Sri Lanka
- Small increase, small fall and stabilised trend- Bangladesh
- Increase with no subsequent fall- Brazil
- Significant increase and a significant fall- India



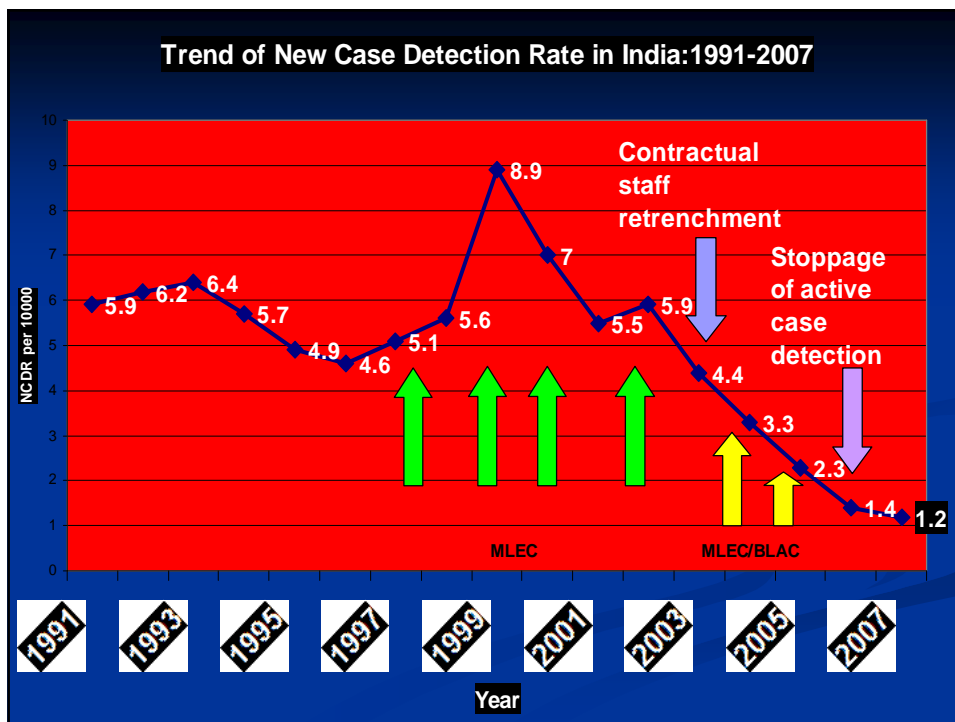
New cases- the change

- First peak-1993
- Second peak: 1999
- Fall started in 2003 and the trend has continued: 25%/25%/30%/39%/14%
- Largest fall reported from any nation:11%
- Fall is the same across all states
- It is related to fall in prevalence
- Other changes: MB from 25% to 40%; Fall in Child proportion; Disability among new – no change




The arguments

- Due to corrective interventions
 - Rigid registration practice
 - Validation
 - Training/on the job guidance
 - Frequent review/monitoring
 - Detection strategy
 - Integration



The arguments

- Due to underdetection/underreporting
 - Target pressure
 - Using indicator as a target in the absence of good epidemiological understanding
 - Encomium/ Opprobrium
 - Rigid registration practice
 - Cleaning of register
 - Validation as a strategy



Reasons

- Many
- Difficult to underscore
- Difficult to quantify
- Better to forget than fight!
- Lessons to be learnt
- Danger of target- the good is likely to be submerged under the bad
- Ensure absence of any operational misdemeanors



What needs to be done

- Integration and its sustainability
- Promoting self-reporting
- Active case detection in specific situations if warranted
- Contact examination as a routine?
- Sentinel centres for supportive guidance and surveillance
- Ensuring quality through supervision and validation