

Health Vulnerability Assessment in Urban Slums: A Tool for Targeting Interventions and Scarce Resources

Rationale

- Urban poverty is multidimensional and complex (Ref. Philip Anis, Environment and Urbanization, 2001)
- Urban poverty is underestimated (Ref. Planning Commission "Estimates of Poverty" 1997, GOI "Urban Poverty and Development", UNDP 1998)

Objectives of the Assessment

- Identify key factors that predispose certain urban populations to health vulnerability
- Identify and map the vulnerable populations in Indore, Madhya Pradesh

Methodology

Identify key factors determining vulnerability
Ranking & Mapping

Vulnerable Urban Living Environment

Key Factors Identified that Affect Health Vulnerability

- Economic conditions - Access to employment opportunities and nature of work, access to fair credit, proportion of population BPL
- Social conditions - Education, Alcoholism, Gender equality
- Living environment - water and sanitation facilities
- Access to usage of public health services
- Disease incidence
- Collective organized community effort

Developing Criteria to Assess Health Vulnerability

SELECTED CRITERIA

SELECTED CRITERIA	Scores Based on Vulnerability				
	0	1	2	3	4
Social Conditions	Low education, high alcoholism, low literacy, high alcoholism	Low education, low literacy	Low of the condition present	None of the three condition present	
Provision of Services	Low water flow of service at daily usage	Low water flow of service at weekly usage	Low water flow of service at monthly usage	Low water flow of service at quarterly usage	Low water flow of service at yearly usage

Contd.,

SELECTED CRITERIA	Scores Based on Vulnerability				
	0	1	2	3	4
Water Supply	No access within 250m	Public facility within 250m	Public facility within 500m	Individual tap	
Sanitation	No toilet facility, poor water drainage	Public toilet facility	Public toilet facility with drainage	Individual toilet facility	

Contd.,

SELECTED CRITERIA	Scores Based on Vulnerability				
	0	1	2	3	4
Health Status	Not accessible, except cost of Rs. 1.00 extra	Accessible within 2 days but not cost	Accessible within 1 day but not cost	Easy access to all one of facilities	
Health Services	High incidence of infectious or non-infectious diseases	High incidence of infectious diseases	Highly incidence of infectious diseases	Low incidence of infectious diseases	

Listing and Ranking the slums

Ranking Health Vulnerability in the Slums

Slum Name	Health Vulnerability (Based on Key Factors)				
	0	1	2	3	4
Slum A	0	1	2	3	4
Slum B	0	1	2	3	4

Mapping the slums

Discussion and Conclusion

- The level of vulnerability varies across slums
- There are middle or higher pockets of urban poor population
- Vulnerability assessment enables program to target resources

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