



## Grade 2 Disability and Hidden Cases

Professor Cairns Smith

Section of Population Health  
School of Medicine & Dentistry, Polwarth Building, Foresterhill

## Hidden Cases

- Active disease
- In the community
- Increased risk of grade 2 disability
- Increased risk of transmission
- Delayed detection
- Never detected
- Self-healing
- Concealed – by self or family
- Sudden decrease in case detection
- Limitations of primary health care

## Hard to reach populations

## Populations that find health care hard to access

- What do we know about them?
- LEC
  - Leprosy elimination campaigns
  - Capability building
  - Detect hidden cases and MDT treatment
- SAPEL
  - Special Action Projects
  - Unsustainable
  - Remote communities
  - Lack of health care infra-structure

## LEC, Case Detection and G2D

	Detection 100,000	MB %	G2D %
Nepal District	62	83	19
Nepal West	57	32	3.8
Mandalay	22	49	14
Ethiopia	2.1	79	18

## LEC, Case Detection and G2D

	Detection 100,000	MB %	G2D %	G2D-R 100,000
Nepal District	62	83	19	12.0
Nepal West	57	32	3.8	2.2
Mandalay	22	49	14	3.1
Ethiopia	2.1	79	18	0.4

### LEC, Case Detection and G2D - India

	Detection 100,000	MB %	G2D %
West Bengal	15	30	1.7
UP	19	39	1.4
Uttaranchal P	5.7	41	5.3
Chhattigarh	58	32	2.3
MP	5.2	43	3.7
Jharkhand	75	37	2.5
Bihar	49	31	3.3
Orissa	38	25	1.5
Tamil Nadu	18	14	1.2

### LEC, Case Detection and G2D - India

	Detection 100,000	MB %	G2D %	G2D -R 100,000
West Bengal	15	30	1.7	0.3
UP	19	39	1.4	0.3
Uttaranchal P	5.7	41	5.3	0.3
Chhattigarh	58	32	2.3	1.3
MP	5.2	43	3.7	0.2
Jharkhand	75	37	2.5	1.9
Bihar	49	31	3.3	1.6
Orissa	38	25	1.5	0.6
Tamil Nadu	18	14	1.2	0.2

### Repeated LECs – G2D %

	1	2	3
West Bengal	3.8	2.7	1.7
UP	3.9	3.6	1.5
MP	6.1	5.1	2.6
Orissa	2.5	2.2	1.5
Bihar	5.5	4.4	3.0
Mandalay	14.0	13.7	-
Nepal	9.0	3.8	
Myanmar	8.7	21.4	
Nepal district	16.4	18.4	

### SAPEL

- Ethnic minorities
- Language minorities
- Nomadic people
- Refugees
- Internally displaced people
- Urban populations
  - physically near but lack access

### G2D and SAPEL

- 86 SAPEL projects in 28 countries
- 7400 new cases detected
- MB 14 to 84%
- Very limited data on disability

### Grade 2 Disability and Hidden Cases

Hidden cases in known endemic areas  
 Known clusters  
 G2D related to new case rate  
 G2D related to MB %  
 Special populations contribute few cases