

Improved health outcomes through better performance

Global Forum on HRH Bangkok, January 2011

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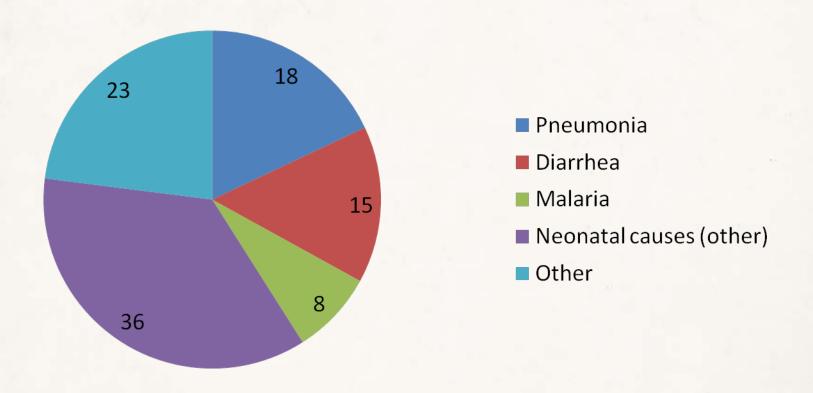


 Large health improvements can be achieved with existing health workforce...

 ... by making health workers do more of what they can do



Why do 8 mill children die every year?



Source: Black et al. (2010), The Lancet



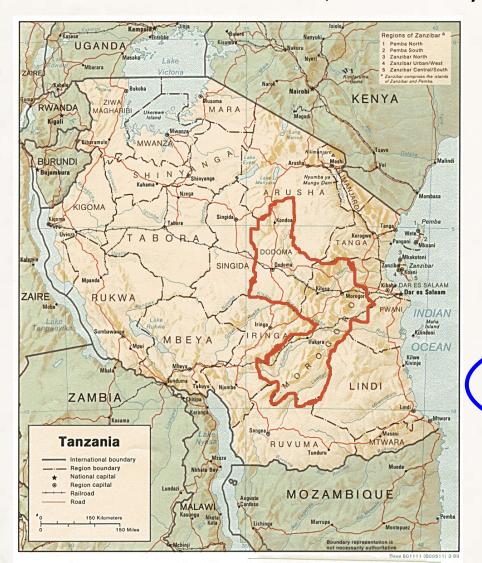
How thorough is diagnostic process?

Could health workers have done better?



MAP project, Tanzania (2006-10):

Health worker Motivation, Availability and Performance



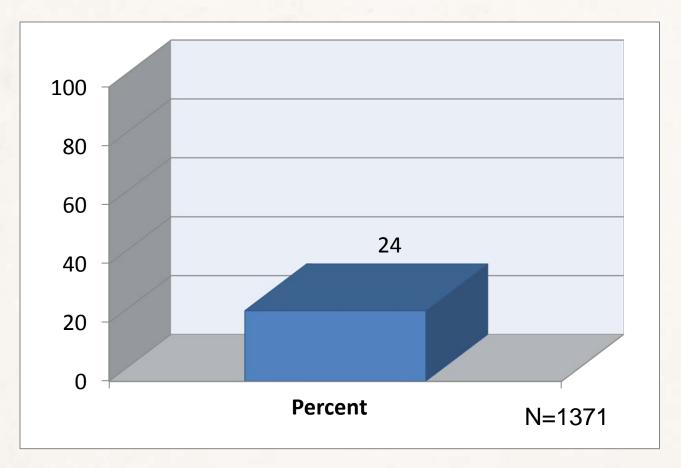
- 9 rural districts
- 126 health facilities (up to first referral level)
- 159 prescribers
- 3494 outpatient consultations

- 1354 children (<5 years)
 - fever, cough, diarrhea



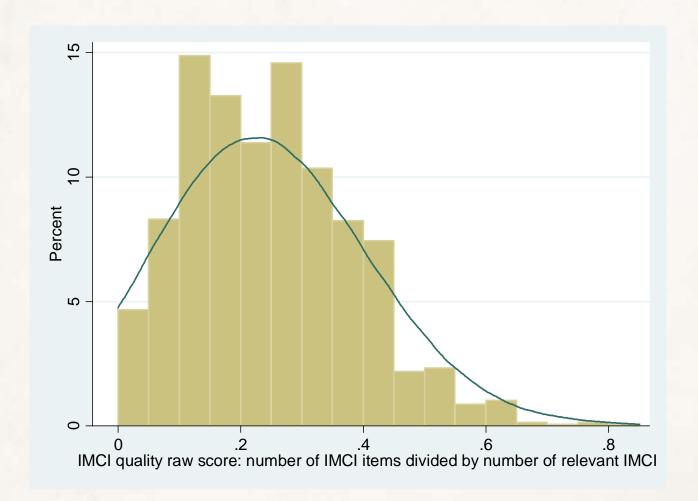
Adherence to IMCI guidelines

(Integreated Management of Childhood Illnesses)





Performance differs across children





Why low performance?

Lack of opportunity

Knowlegde Time (Equipment) Lack of motivation

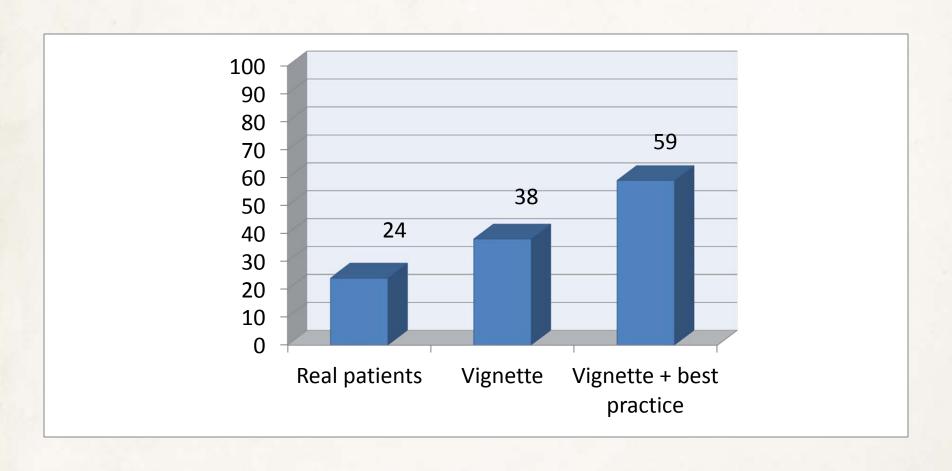


Measuring knowledge

- Vignettes
 (patient case simulations)
- 2. Vignettes + "best practice" with own patients



Knowledge exceeds performance – by far





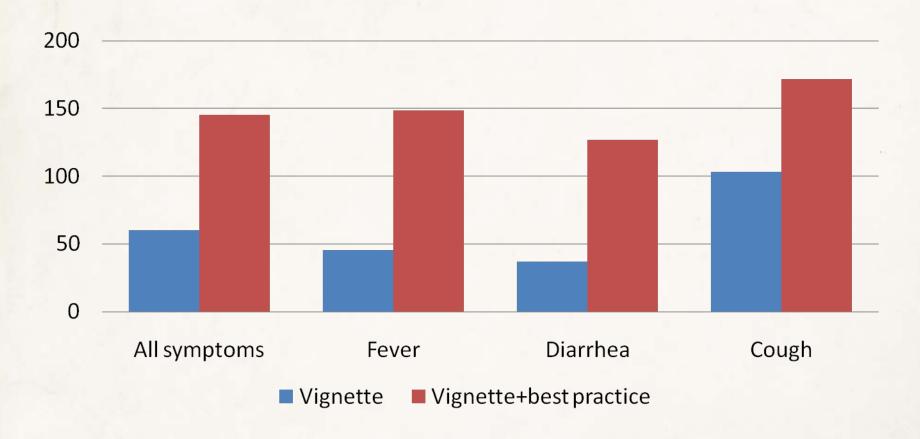
Large know-do gap (examples)

Symptom	IMCI investigation	Score		Difference
		Vignette (a)	Real children (b)	(a)-(b)
Cough	Auscultate the chest (wheezing, stridor)	0.747	0.214	0.533
Diarrhea	Pinch abdominal skin (check dehydr)	0.758	0.311	0.447
Diarrhea	Vomits everything	0.724	0.299	0.425
Diarrhea	Examine for sunken eyes	0.708	0.292	0.416
Diarrhea	Inability to drink or breastfeed	0.714	0.332	0.382
Cough	Count respiratory rate	0.562	0.195	0.367



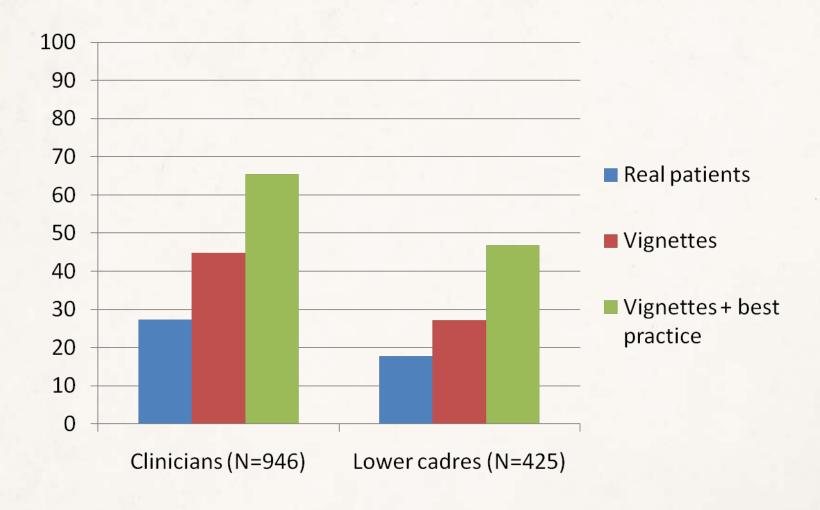
Know-do gap (%)

Demonstrated knowledge relative to performance with real children





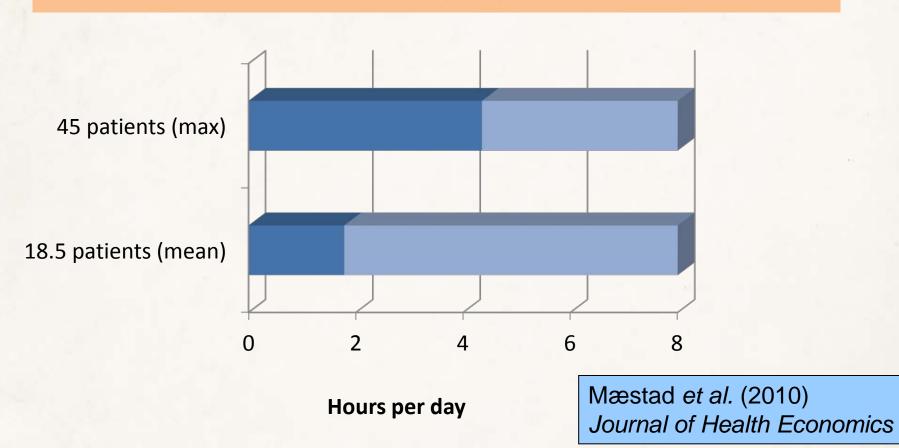
Performance by level of training





High workload?





other activities

consultations



Conclusions

Large potential for improvement of diagnostic quality

- Weak adherence to IMCI guidelines (24%)
- A sizeable know-do gap (50-150%)

What can be done?

- Higher number of staff would not help (workload not a constraint)
- Training helps, but not much
- Motivation seems to be the key

