#### the poor are the best south African schools good enough?

HSRC RESEARCH OUTPUTS

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Concluding remarks

Analysis

The Grade 9 systemic survey

**Background and Motivation** 

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Motivation—argue that an understanding of how quality schools provide learning opportunities for the poor and overcome inequalities in learning outcomes related to background characteristics is fundamental to understanding policies and strategies that can ensure quality education for all

# The Grade 9 systemic survey

- 1 Objectives:
- Determine learners' achievement levels
- Identity contextual factors that explain differences in learners' achievement levels
- Presentation will address the following research questions:
- What is the extent of the impact of poverty on mathematics achievement?
- Are the best schools in South Africa good enough for the poor?





#### Analysis

- I Sinde descriptive analysis
- Item Response Theory (RI)
- Estimate learner achievement levels
- Develop a scale for learner home poverty characteristics
- Vap learner scale scores to items used in developing the
- Scatter plots

Visual display of results





Created from 14 variables describing learners access to the following at home:

Telephone
Cell phone
Running tap water
Electricity
Fridge
Television
Radio
DVD Player
CD player
Motor vehicle
Learner's own bicycle
Learner's own bedroom
Toilet at home
DSTV





### RT scale for Home Poverty Quintile

# Access to schools by Home Poverty Quintile

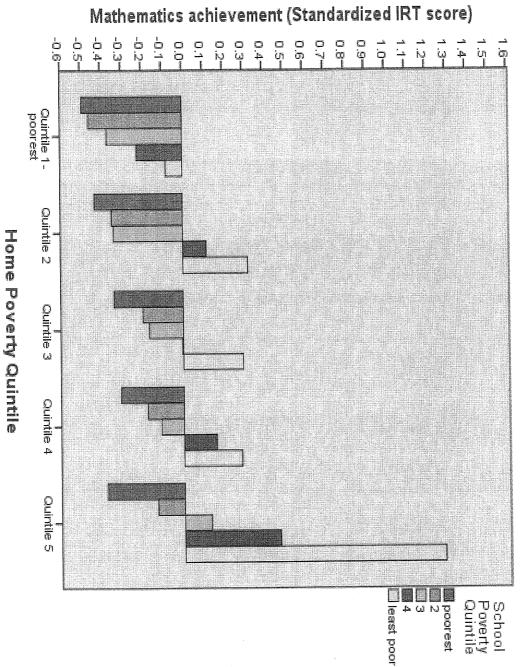
	23.8%	22.7%	15.0%	12.3%	percent	homes	
	54	514	340	280	Count	5-least	
	20.2%	27.2%	26.2%	17.6%	percent		
	272	367	353	237	Count	4	
	17.8%	27.2%	27.7%	21.7%	percent		
	476	729	741	582	Count	w	
	12.4%	23.7%	32.0%	26.6%	percent	-	
	195	373	503	419	Count	2	
	6.4%	21.1%	34.6%	35.6%	percent	poorest homes	Poverty Quintile
	109	361	592	010	Count	1	Home
		(J)	2	poorest			
				B.			en feren ferren er ein felt det er er er er er er er er en feren feren fere
1	Quintile	School Poverty Quintile	Schoo				SOLEAGERHI DESCRIPTIONES PRINTED SE CENTRALES PRINTED SE CENTRALES PRINTED SE CENTRALES PRINTED SE CENTRALES P
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### Access to Quintie 5 schools

				Home Poverty	Background Characteristics
5=least poor			2	1=poorest	racteristics
26.2	8.9	5. 5.	ن ن ن	2.4	Percentage of learners in Quintile 5 schools

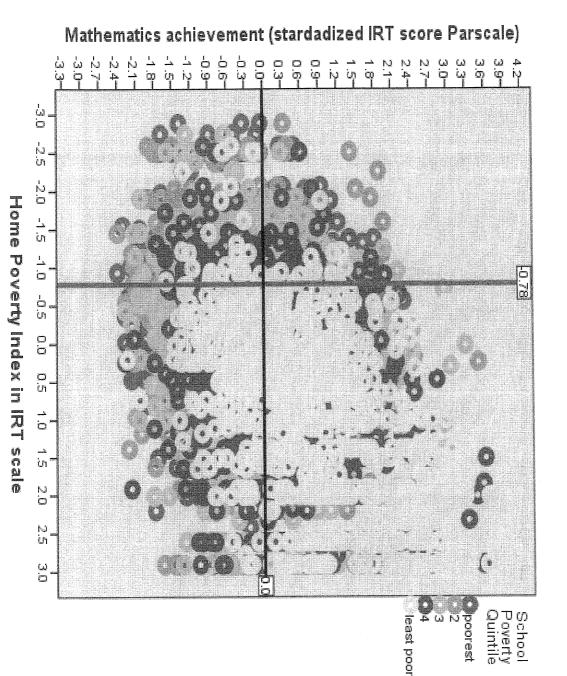
#### impact of poverty on mathematics achievement







### Scatter plot of learner achievement levels by home poverty and school poverty quintile







### Summary of Major Findings

- The South African schools are highly segregated by social class—learners from the poorest homes tend to enroll in the poorest schools while those from the least poor homes tend to attend the least poor schools.
- successful learning mathematics than those from the poorest homes. Within schools of similar poverty levels, learners from the least poor homes tend to be more
- The impact of poverty on mathematics achievement is particularly prominent in the least poor schools (Quintile\_5 schools).
- is below the national average suggesting that the best schools are not good enough for our The achievement level of a learner from the poorest home who have access to the best schools learners who come from the poor homes.
- There are a few poor learners in poor schools who are successful learning Mathematics.



### Concluding remarks

- poor learners in these schools who need help Current targeted interventions excluding Quintile 5 schools are missing the
- resources work to improve learning would not be enough Improved resources to schools without an understanding of how these
- attending the poorest schools to succeed that provide opportunities for some learners from the poorest homes Need to develop an understanding of the conditions in schools and at home
- Develop an understanding of indicators of exemplary schools—where learners are successful irrespective of their background characteristics

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