

INTRODUCTION

The Global Education Policy Dashboard (GEPD): An innovative tool to measure drivers of learning outcomes in basic education

GEPD uses 3 data collection instruments to report on nearly 40 indicators that operationalize the World Development Report 2018 framework to track 3 areas for progress in education- Practices, Policies, and Politics. Using these indicators, the dashboard highlights areas where countries need to act to improve learning outcomes and allows a way for governments to track progress as they act to close gaps in these areas. For more information on GEPD, please visit www.worldbank.org/global-education-policy-dashboard

Figure 1. GEPD framework (practices, policies and politics), expanding on WDR 2018 framework



INSTRUMENTS OF DATA

The **School Survey** consists of 8 modules to collect data across 200-300 schools on practices (the quality of service delivery in schools) and de facto policy indicators. It consists of streamlined versions of existing instruments together with new questions to fill gaps in those instruments.

The **Policy Survey** collects information via interviews with ~200 officials per country at federal and regional level to feed into the policy de jure indicators and identify key elements of the policy framework.

The **Survey of public officials** collects information about the capacity and orientation of the bureaucracy and political factors affecting education outcomes. This survey is an education-focused version of the civil-servant surveys from the Bureaucracy Lab, WBG.

KEY TAKEAWAYS, RWANDA, 2020

- 3.8 years of learning adjusted years of schooling observed in Rwanda. GEPD Grade 4 proficiency is low at only 0.16%, with numeracy proficiency lower than language proficiency of students.
- Teacher content knowledge is poor at only 27%, attributed to poor teaching support and weak monitoring and accountability

systems. Only 44% teachers reported receiving feedback from principals after classroom observation in schools.

- Grade 1 proficiency of students is ~9%, with students scoring lower on executive functions and socio-emotional learning.
- Basic inputs and infrastructure are weak in areas of availability of functional blackboards, functional toilets and electricity in schools.
- Major gaps are seen in implementation of teaching support policies, teaching monitoring and accountability systems and selection and deployment policies for school principals.
- Primary education funding amount and efficiency of spending is low and education policy implementation is politicized, lowering bureaucratic capacity.

Table 1. Key GEPD Outcome Indicators

Indicator	Value
Learning adjusted years of schooling (in years)	3.8
Proficiency by End of Primary	-999%
Proficiency on GEPD Assessment	0.2%
Literacy proficiency	0.6%
Numeracy proficiency	0.3%
Proficiency by Grade 2/3	-999%
Net Adjusted Enrollment Rate	95%

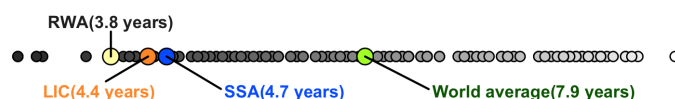
Source: UIS, GLAD, GEPD, World Bank, Rwanda, 2020. For information on indicators, please consult the World Bank [GEPD](#), [GLAD](#) and [Learning Poverty](#) repositories.

Notes: (1) Proficiency on GEPD assessment means % students with knowledge > 80%. (2) Proficiency by end of primary uses threshold as per Minimum Proficiency Levels set by GAML(UIS). (3) All indicators are on a scale of 0-5 unless measured in %. (4) Green indicates indicator 'on-target', yellow indicates 'requires caution', red indicates 'needs improvement'.

LEARNING OUTCOMES: 3.8 LEARNING ADJUSTED YEARS IN SCHOOL, 0.2% GEPD PROFICIENCY IN GRADE 4

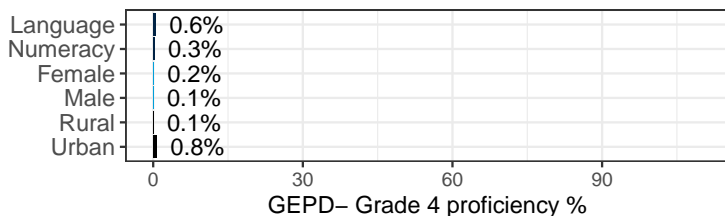
Learning adjusted years of school (LAYS) is calculated by adjusting expected years of schooling for schooling quality. Learning adjusted years of schooling in Rwanda is 0.9 years lower than the average for Sub-Saharan Africa (excluding high income) region and 0.6 years lower than the average for Low income countries.

Figure 2. Learning adjusted years in school comparison



Notes: Grey circles represent other countries. Yellow circle represents Rwanda. Orange and blue circles represent average LAYS in Rwanda's region and income group.

GEPD grade 4 assessment proficiency is defined as % students scoring greater than 80/100 on student knowledge. **GEPD grade 4 assessment proficiency of 0.2%** means 0.2% students score greater than 80/100 on student knowledge. Student proficiency is 1 point higher in language compared to numeracy, 0.1 points lower for boys compared to girls, and 0.7 points higher in urban areas compared to rural areas.

Figure 3. GEPD Grade 4 proficiency, Rwanda

COMPARING DE-FACTO PRACTICES AND POLICY LEVERS

Practice indicators measure quality of service delivery in schools such as student performance, teacher knowledge, principal management skills, etc. Policy lever indicators measure how well school, personnel and student policies governing these practices are implemented. Comparing de-facto practice and policy lever indicators allows identification of low-scoring policy levers that affect observed practice indicators.

Teacher effectiveness

Teacher content knowledge (27%) needs improvement. Teacher proficiency in language (20%) is 21 points lower than mathematics proficiency (41%). Teacher pedagogical skills score NA, and teacher attendance (87%) is on target. Teaching - Support policy lever scores the lowest(2.8/5).

Practice Indicators		Policy levers (Teaching)	
Content knowledge	27%	Attraction	3.9
Maths proficiency	41%		
Language proficiency	20%	Selection & deployment	3.3
Pedagogical skills	NA%		
% Classroom culture	NA%	Support	2.8
% Instruction practices	NA%		
% Socio-emotional skills	NA%	Evaluation	4.5
Teacher Attendance	87%	Monitoring & Accountability	2.9
		Intrinsic motivation	3.9

Notes: Content knowledge(& sub-indicators) indicate % teachers with knowledge>80%. Pedagogical skills(& sub-indicators) indicate % teachers with proficiency 3/5 or above.

Capacity for learning in Grade 1

Student proficiency in Grade 1 (9%) needs improvement. Literacy score(38%) is the lowest knowledge sub-score. Student attendance(87%) is on target. Center-Based Care policy lever scores the lowest(-3995/5).

Practice Indicators		Policy levers (Learners)	
Capacity for learning	9%	Nutrition Programs	-2995.9
Numeracy score	62		
Literacy score	38	Health Programs	-2663
Executive score	47	Center based care	-3995
Socio-emotional score	67	Caregiver Skills Capacity	-3995
Student Attendance	87%	Caregiver Financial Capacity	-3995

Notes: Capacity for learning indicates % students with knowledge>80%. Sub-indicator scores refer to average subject knowledge on a 0-100 scale.

Inputs & Infrastructure

Basic inputs (3.3/5) are on target. Percent of classrooms with a functional blackboard and chalk(60)% is the lowest score. Basic infrastructure (3.1/5) requires caution. Percent of schools with access to internet(27)% is the lowest score. Inputs & Infrastructure - Monitoring policy lever scores the lowest(3.1/5).

Practice Indicators		Policy levers(Inputs)	
Basic inputs	3.3		
% Blackboard	60%	Inputs and infrastructure standards	4.5
% Stationery	92%		
% Furniture	99%		
% EdTech access	76%		
Basic infrastructure	3.1		
% Drinking water	74%	Inputs and infrastructure monitoring	3.1
% Functional toilet	57%		
% Internet	78%		
% Electricity	27%		
% Disability access	75%		

Notes: % refers to % schools with the given sub-component

School Management by principals

In school management, the lowest score is for principal's Instructional Leadership(3.4/5), whereas the highest score is obtained for Principal Management Skills(4.2/5). School Management- Support policy lever scores the lowest(3.7/5).

Practice Indicators		Policy levers(Management)	
Operational management	4		
Instructional Leadership	3.4	Clarity of functions	4.9
		Attraction	4.3
Principal School knowledge	4	Selection & Deployment	3.9
		Support	3.7
Principal Management skills	4.2	Evaluation	4.5

Notes: All scores are on a (0-5) scale.

POLITICS & BUREAUCRATIC CAPACITY INDICATORS

Politics and bureaucratic capacity indicators measure the capacity and orientation of the bureaucracy, as well as political factors affecting education outcomes. The highest score in politics and bureaucratic capacity is noted for Mandates & Accountability (4.5/5), and the lowest score is noted for Financing (2.4/5).

Indicator	Value
Quality of Bureaucracy	4.4
Impartial Decision-Making	3.7
Mandates & Accountability	4.5
National Learning Goals	4.2
Financing	2.4

Notes: All scores are on a (0-5) scale.

Disclaimer: GEPD numbers presented in this brief are based on multiple sources including GEPD instruments, UIS, GLAD and Learning Poverty indicators. For that reason, the numbers discussed here may be different from official statistics reported by governments and national offices of statistics. Such differences are due to the different purposes of the statistics, which can be for global comparison or to meet national definitions.