

## **OpenEMIS Concept Note – OOSC**

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*Tracking and Monitoring Out of School Children Data  
using an Open Education Management Information System (OpenEMIS)*

February, 2018



**Title**

Tracking and Monitoring Out of School Children (OOSC) Data using an OpenEMIS

**OpenEMIS Initiative**

The OpenEMIS Initiative aims to deploy a high-quality Education Management Information System (EMIS) designed to collect and report data on schools, students, teachers, and staff. The system was conceived by UNESCO to be a royalty-free system that can be easily customized to meet the specific needs of member countries. The initiative is coordinated by UNESCO with technical support provided by Community Systems Foundation. OpenEMIS is well positioned to support national system strengthening in the country while addressing the monitoring requirements of Sustainable Development Goals. OpenEMIS is deployed as a cloud-based application and is designed to be mobile responsive, allowing for access to smartphones and tablets as well as more traditional laptop and desktop computers. A suite of tools is available to enhance OpenEMIS software, providing solutions for data collection, management, analysis and procurement of resources.

**Issue**

Despite dramatic improvements over the past years, progress towards achieving Education For All (EFA) has stagnated. In total, 264 million children, adolescents, and youth were out of school for the school year ending in 2015 according to UNESCO Institute for Statistics (UIS). This is equivalent to a quarter of the population of Europe. The progress has not been equitable; the children who face the most severe barriers to education, such as those associated with gender, poverty, displacement, nomadism, disability, and/or ethnicity, are still left behind. Of all the regions, sub-Saharan Africa has the highest rates of exclusion. Likewise, in every region, older youth, as well as poorest children, face greater barriers to education. Girls are more likely than boys never to set foot in a classroom, despite all the efforts and progress made over the past two decades. Armed conflict poses another major barrier to education. In that regard, it is crucial to have a systematic OOSC data monitoring mechanism to measure accurate OOSC indicators and address the issue effectively.

**Approach/Solution**

OpenEMIS is an easily customizable and non-commercial software solution that member state countries can modify and update the requirements of education sector autonomously. OpenEMIS Core, which captures and tracks educational data on students, staff, and institutions provides features that enable to monitor OOSC data. In order to identify children at risk of dropout, users can create several criteria (e.g. absences late; absences unexcused; guardians; and special needs) that comprises of measuring dropout indexes. Also, users are able to extract OOSC student reports in a Microsoft Excel format so as to manage students in danger holistically. OpenEMIS Integrator, OpenEMIS DataManager, and OpenEMIS Dashboard allow facilitating information flow between the software and other relevant management tools used for OOSC monitoring by visualizing trends with OOSC indicators.

OpenEMIS Core Administrator User

Profile Institutions Directory Reports Institutions Students Staff Textbooks Examinations Trainings Surveys Rubrics Data Quality Audit Map Custom Administration

# Reports > Students

### Reports - Students

Feature: Students Out of School

Format: Excel

Save Cancel

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OpenEMIS Core Administrator User

Profile Institutions Directory Reports Administration System Setup Administrative Boo... Academic Periods Education Structure Field Options Custom Field Labels Localization System Configurat... APIs Notices Risks Security Survey Communications Training Performance Examinations Textbooks Report Cards Workflow

# Home

### Risks

Name: Risk Assessment

Risk Criteria	Criteria	Operator	Threshold	Risk
	Absence - Late	Greater than or equal to	1	1
	Absence - Unexcused	Greater than or equal to	1	1
	Guardians	Less than or equal to	1	1
	Special Needs	Greater than or equal to	1	1

Academic Period: 2017

Modified By:

Modified On:

Created By: Administrator User

Created On: March 02, 2017 - 17:59:53

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## Measurement

Following list of indicators and more can be monitored through OpenEMIS:

- Number of students / staff / institutions
- Number of out-of-school children of pre-primary / primary / secondary age
- Out-of-school rate for children of pre-primary / primary / secondary age
- Net enrolment rate in pre-primary / primary / secondary education
- Adjusted net enrolment rate in pre-primary / primary / secondary education
- Survival rate to the last grade of pre-primary / primary / secondary education
- Percentage of children in pre-primary / primary / secondary education who drop out before the last grade
- Percentage of new entrants to primary education without early childhood education

## Support

To ensure quality project activities for long-term sustainable development, OpenEMIS is providing six types of services (i.e. Policy and Planning Services; Analytical Services; Implementation Services; Support Services; Ad Hoc Services; and Software Development Services) along with Training Services (i.e. Professional; Administrator; Analyst; Trainer; and Advanced Lab) for countries' capacity building. Moreover, OpenEMIS runs Service Desk from education experts and technicians to support users' questions and requests as well as online OpenEMIS Support<sup>1</sup> where clients get access to the knowledge base on all applications.

## References

Global Partnership for Education (GPE). Out-of-school Children.

<https://www.globalpartnership.org/focus-areas/out-of-school-children>

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[https://www.openemis.org/files/resources/Indicator\\_Technical\\_guidelines\\_en.pdf](https://www.openemis.org/files/resources/Indicator_Technical_guidelines_en.pdf)

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<http://uis.unesco.org/en/news/263-million-children-and-youth-are-out-school>

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<sup>1</sup> <https://www.openemis.org/support/>