

Leh Wi Lan

Improving Secondary Education in Sierra Leone

Monthly School Monitoring Dashboard Report February 2019



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Section 1 – Executive Summary



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Ministry of Education, Science
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Monthly highlights

Highlights

- This is the second month where we have had access to a real-time online dashboard. This is available at <http://qa.reporting.lehwilan.org/MBSSEv2.html> while we are optimizing this for faster downloads in districts.
- This month the number of observations has started to increase again following two low months in December (due to exams and holidays) and January (due to pupil handbook distribution). However, there was disruption from pupil handbook distribution and motorcycle training for some SSOs and some observation numbers remain below November levels.
- Key observations despite this are:
 - Pupil handbooks use in class has increased rapidly since January
 - Use of lesson plans in SSS lessons continues to improve, but effective use in JSS has stalled
 - Average observed attendance increased 3-4% this month compared to last, with girls' attendance still a little higher than boys
- There are some notable variations in performance at district level which require analysis at this level as well as national.

Areas needing improvement

- The main area needing improvement is the number of observations being done by SSOs needs to increase again – progress has been made on this and further improvement is expected in March
- There is still a need for improvement on effective use of lesson plans with approximately 30% of teachers still scoring 1 or 2 in LPM usage – this is now largely unchanged for several months.
- Some districts have fallen behind others in terms of the number of observations, notably Port Loko, Bombali and Koinadugu. This suggests a specific effort is needed in these districts.

Monthly highlights – by district

District	Strong performance	Areas for Improvement
Bo	<ul style="list-style-type: none"> Effective lesson plan use (scores 3 or 4) above average at 77% for JSS and 80% for SSS 	<ul style="list-style-type: none"> Percentage of JSS teachers observed was below 30%
Bombali	<ul style="list-style-type: none"> Pupil attendance of 84% in JSS and 86% in SSS is above national average 	<ul style="list-style-type: none"> Only 29% of schools were visited this month, the lowest of all districts and the only district to record a fall in visits compared to January
Bonthe	<ul style="list-style-type: none"> 70% of observations saw ‘most pupils’ with pupil handbooks 	<ul style="list-style-type: none"> Only 26% of teachers were observed this month
Falaba	<ul style="list-style-type: none"> 89% of JSS & 100% of SSS lesson observations saw effective LPM use (scoring 3 or 4) 	<ul style="list-style-type: none"> JSS average attendance was only 69% - the lowest recorded in any district this month
Kailahun	<ul style="list-style-type: none"> Very high proportion of schools visited by SSOs 	<ul style="list-style-type: none"> Effective lesson use below average at 60% for JSS and 67% for SSS
Kambia	<ul style="list-style-type: none"> Very high proportion of schools visited by SSOs 	<ul style="list-style-type: none"> Only 25% of lessons saw ‘most pupils’ with FQSE Teaching and Learning Materials
Karene	<ul style="list-style-type: none"> 82% of JSS & 90% of SSS lesson observations saw effective LPM use (scoring 3 or 4) 	<ul style="list-style-type: none"> Only 49% of lessons saw ‘most pupils’ with FQSE Teaching and Learning Materials
Kenema	<ul style="list-style-type: none"> High proportion of schools visited by SSOs – 78% 	<ul style="list-style-type: none"> Effective lesson use below average at 56% for JSS and 62% for SSS
Koinadugu	<ul style="list-style-type: none"> 93% of SSS lessons observed saw effective lesson plan use (scoring 3 or 4) 	<ul style="list-style-type: none"> Only 40% of schools were visited by SSOs this month
Kono	<ul style="list-style-type: none"> 70% of observations saw ‘most pupils’ with pupil handbooks 	<ul style="list-style-type: none"> Only 26% of teachers were observed this month
Moyamba	<ul style="list-style-type: none"> 90% of JSS lessons observed saw effective lesson plan use (scoring 3 or 4) 	<ul style="list-style-type: none"> Only 51% of lessons saw ‘most pupils’ with FQSE Teaching and Learning Materials
Port Loko	<ul style="list-style-type: none"> Effective lesson plan use (scores 3 or 4) above average at 74% for JSS 	<ul style="list-style-type: none"> Only 39% of schools were visited by SSOs this month
Pujehun	<ul style="list-style-type: none"> 90% of observations saw ‘most pupils’ with pupil handbooks 	<ul style="list-style-type: none"> Only 33% of teachers were observed this month
Tonkolili	<ul style="list-style-type: none"> 83% of JSS & 81% of SSS lesson observations saw effective LPM use (scoring 3 or 4) 	<ul style="list-style-type: none"> Only 31% of teachers were observed this month
Western Rural	<ul style="list-style-type: none"> JSS attendance was above average at 88% on average this month 	<ul style="list-style-type: none"> Only 28% of lesson observations saw ‘most pupils’ with pupil handbooks
Western Urban	<ul style="list-style-type: none"> JSS attendance was above average at 84% on average this month 	<ul style="list-style-type: none"> Only 36% of teachers were observed this month

Dashboard related issues

Key issues this month

- This is the second report since the completion of the real-time online dashboard. To promote awareness and use of these, we have replaced some charts with screenshots taken directly from the dashboards.
- We have used some of the data from the dashboard in this report, but very little. This report is aimed to enhance not duplicate the work of the dashboard. While you can filter the dashboard in real time by location, subject or grade this reporting focuses on doing three other things:
 - Providing comparison over time – to track month on month change
 - Providing maps to show monthly district comparison at a glance
 - Providing some basic analysis and commentary on the data
- The dashboard available at <http://qa.reporting.lehwilan.org/MBSSEv2.html> while we are optimizing this for faster downloads in districts
- Timely syncing of data is an issue for some SSOs and this can mean the data in this report is an under-reporting of work done in that month. In most instances this should not make a material difference.

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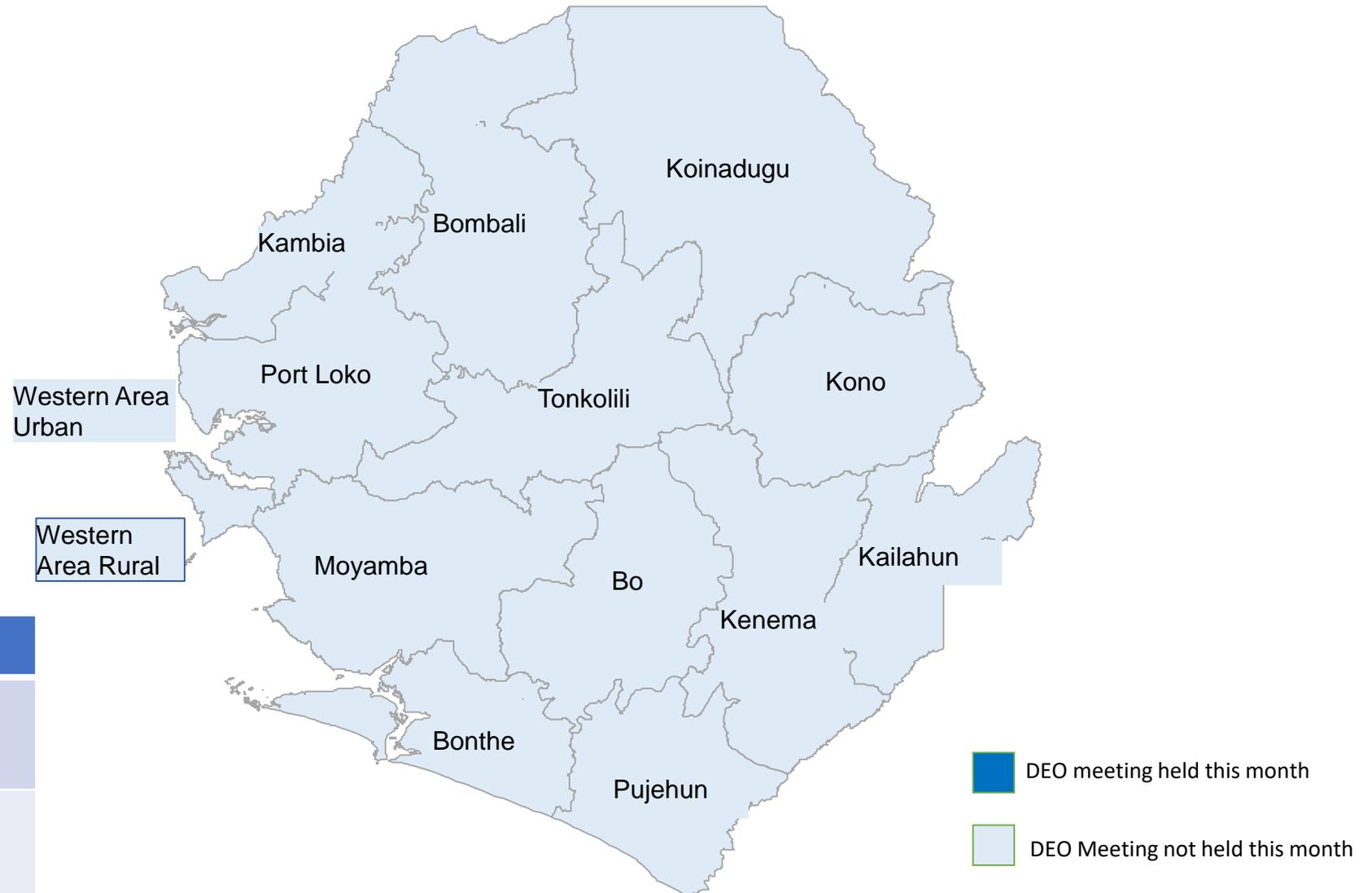
Section 1 – DEO Monthly Meetings



DEO Monthly Meeting

Last month, 13 of 14 Districts held DEO Monthly Meetings (93%). A very positive way to start the year. Only Bombali was unable to hold a DEO Monthly meeting this month.

However, in February due to the focus on Pupil Handbook distribution and other matters all districts decided to postpone the monthly meeting and focus on an effective March meeting instead.



	Nov	Dec	Jan	Feb
Districts holding Monthly meetings	11	10	13	0
Districts not holding Monthly meetings	3	4	1	14

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Section 2 – SSO observations recorded on Tangerine



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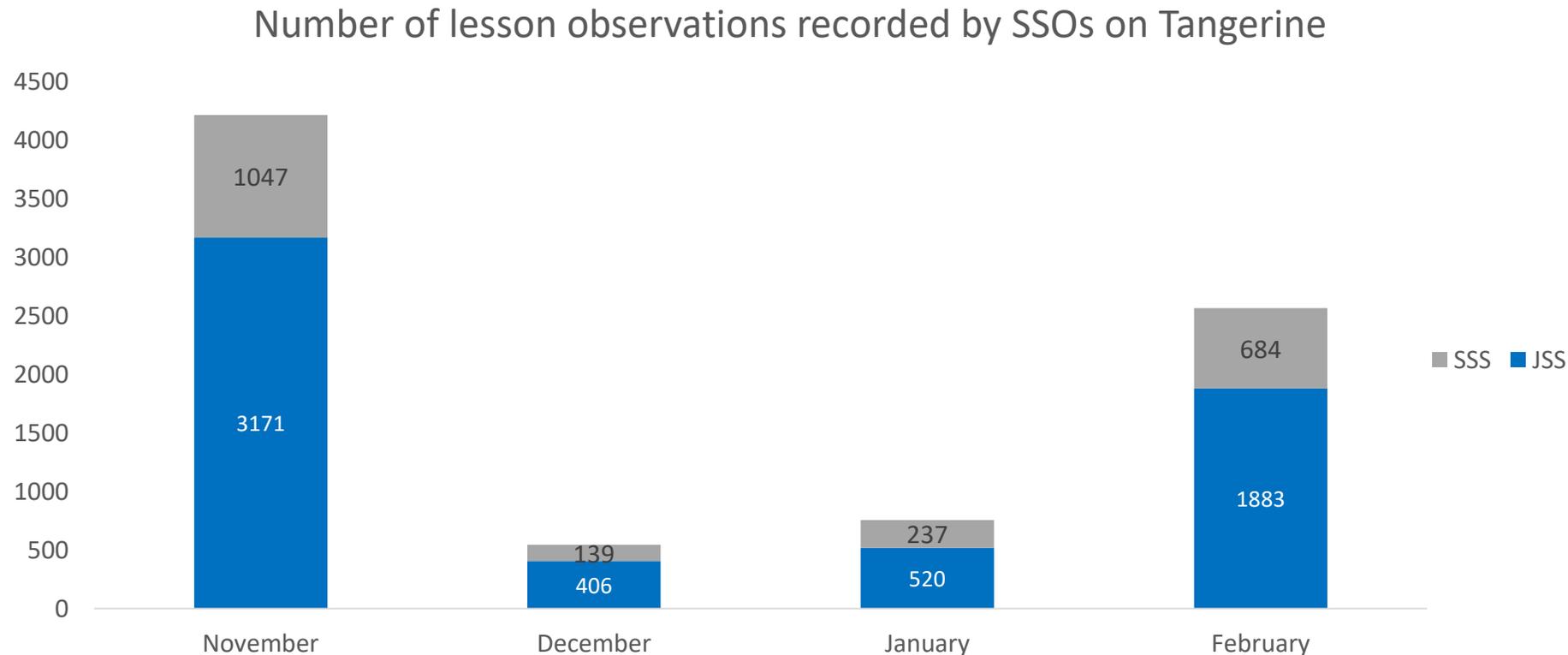


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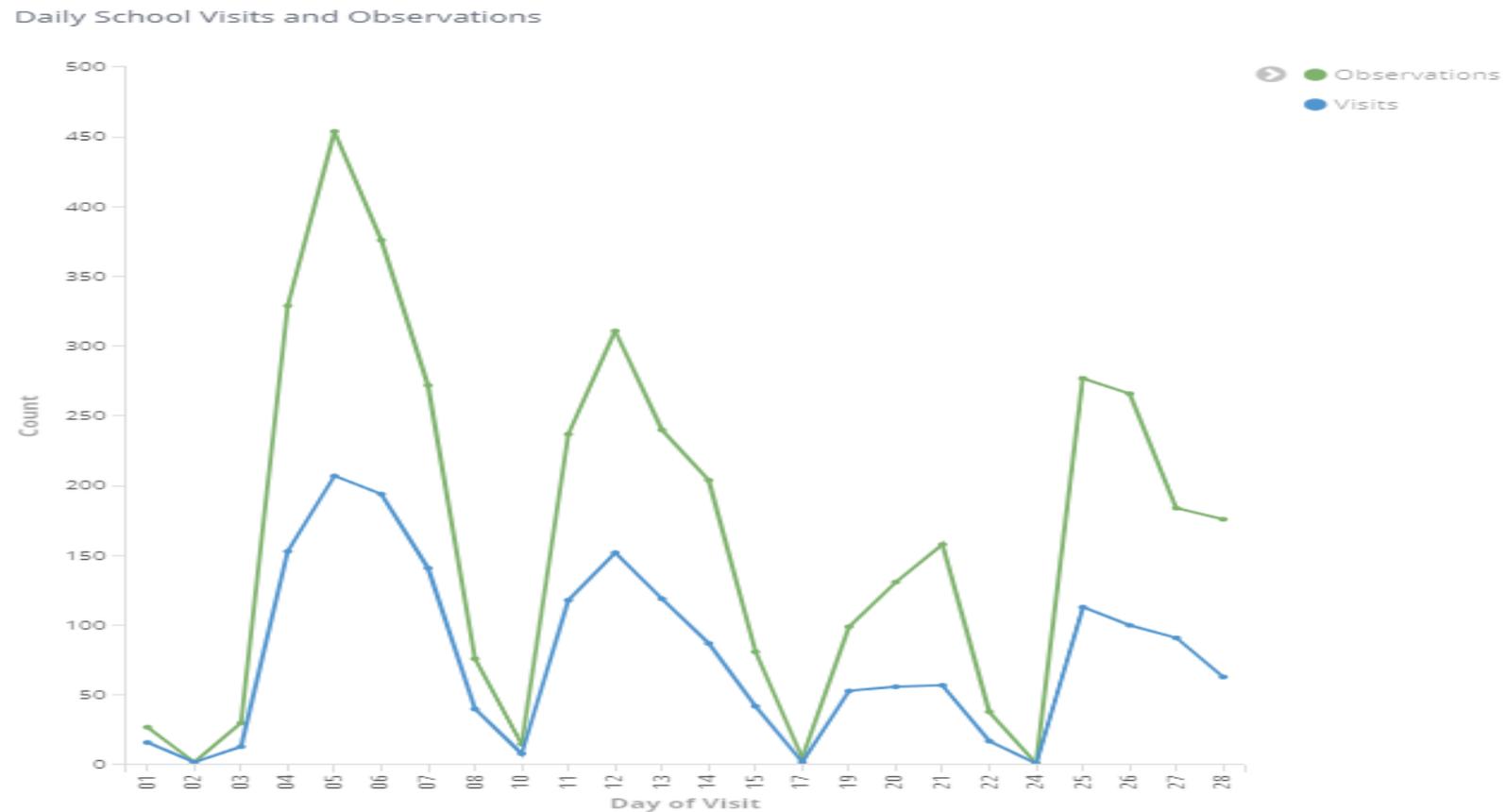
SSO classroom observations recorded on Tangerine, February

February saw something of a rebound in the number of lesson observations with SSOs gradually being released from pupil handbook distribution responsibilities to observe lessons again. The numbers are still well short of November totals though.



SSO classroom observations recorded on Tangerine, February

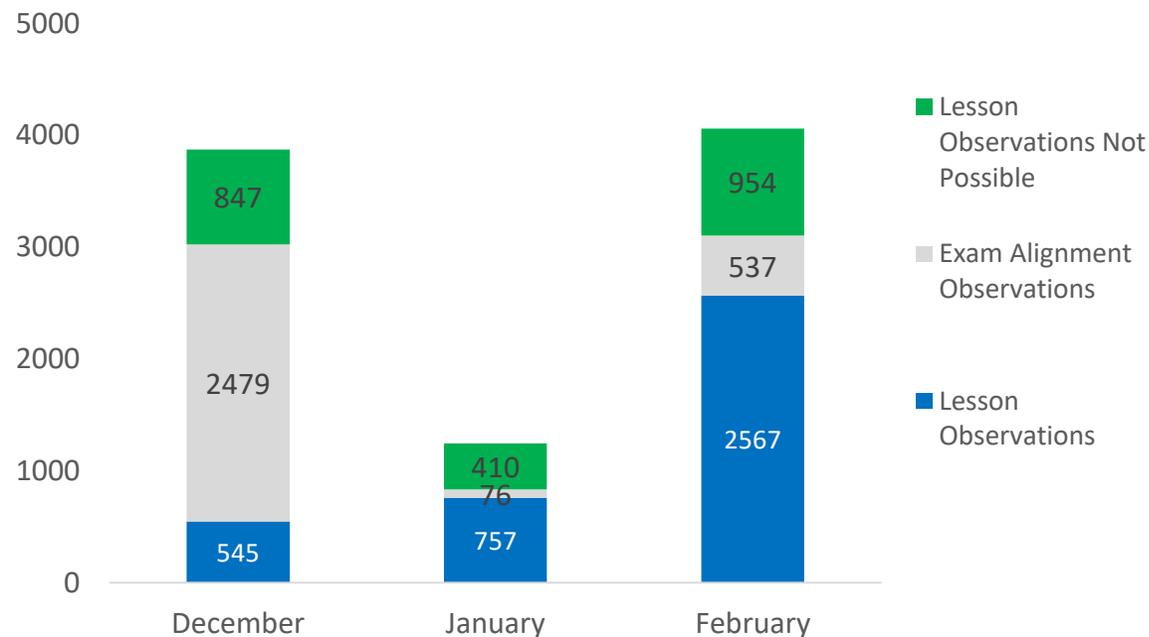
The data from Tangerine shows that the number of observations each day was quite variable still, because of SSO involvement in pupil handbook distribution and motorcycle training.



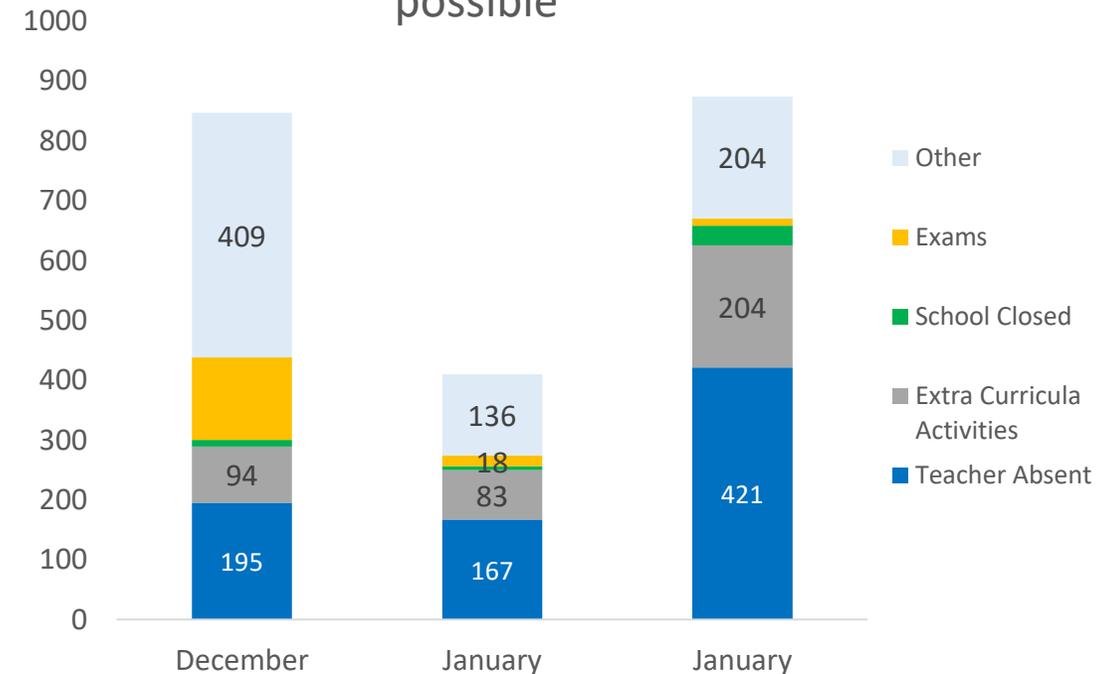
All SSO activity recorded on Tangerine, February

The number of recorded activity once again reached over 4,000 but almost a quarter of these were planned observations that were unable to take place. About half of observations that could not take place were due to teacher absence this month.

Number of all types of observations recorded



Reasons for lesson observations not being possible



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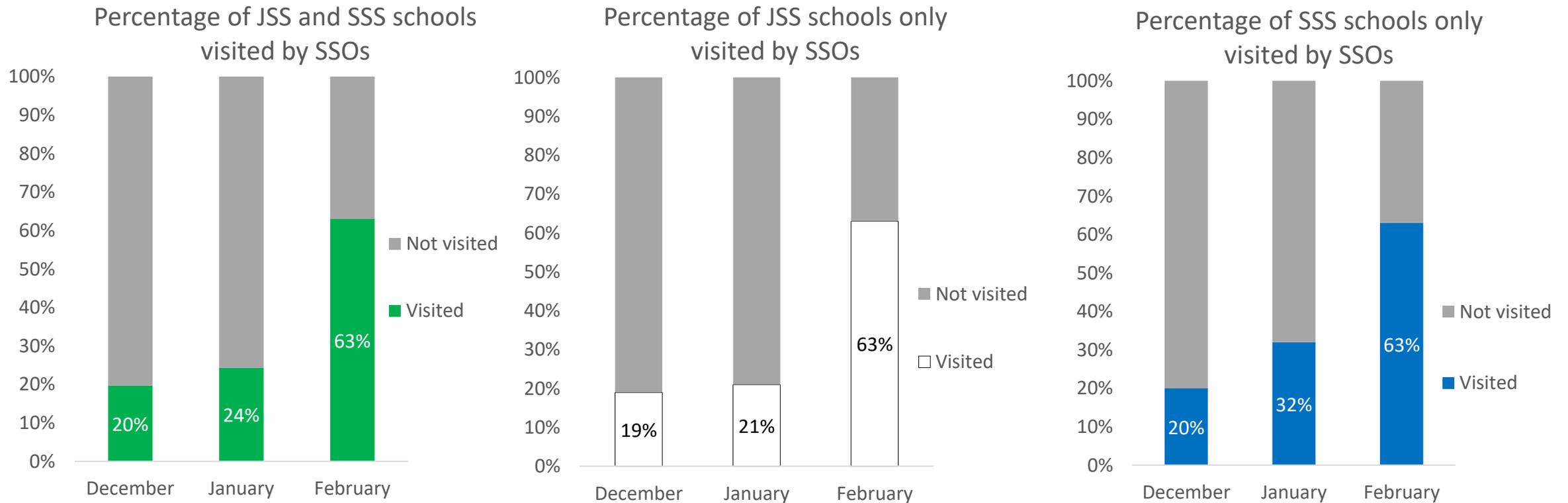
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Section 3 – SSO visits to schools



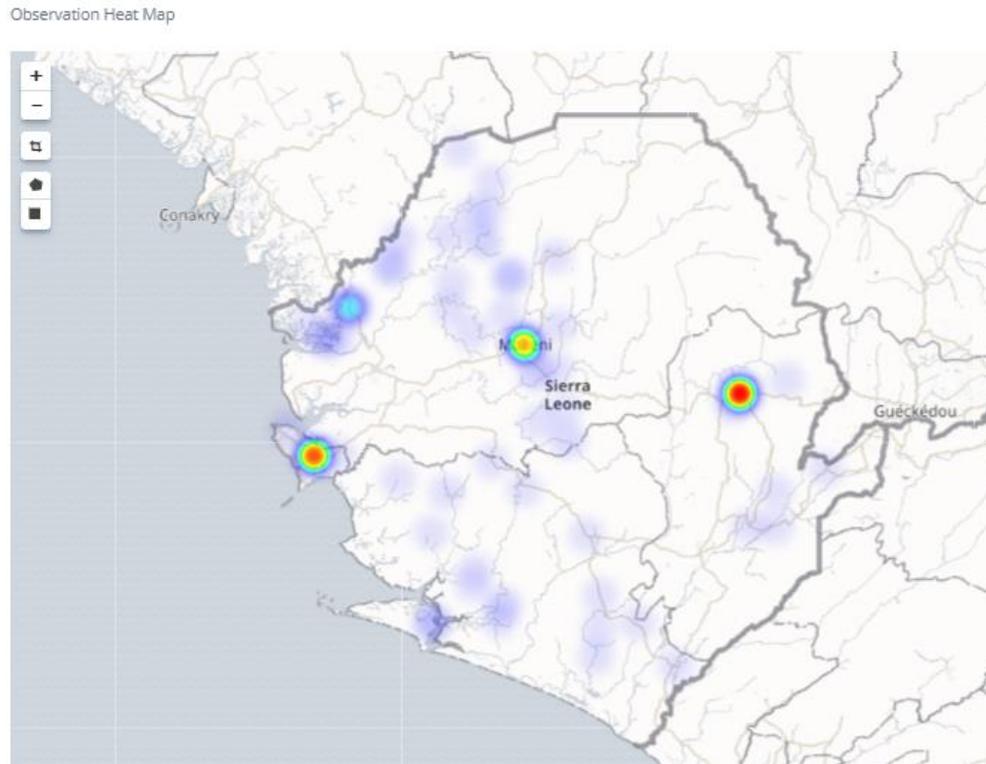
SSO visits to JS and SS Schools for Observations, February

The number of schools visited for observations jumped significantly from lows in the previous two months, but they are still not back to the levels of November, when 80% were observed.

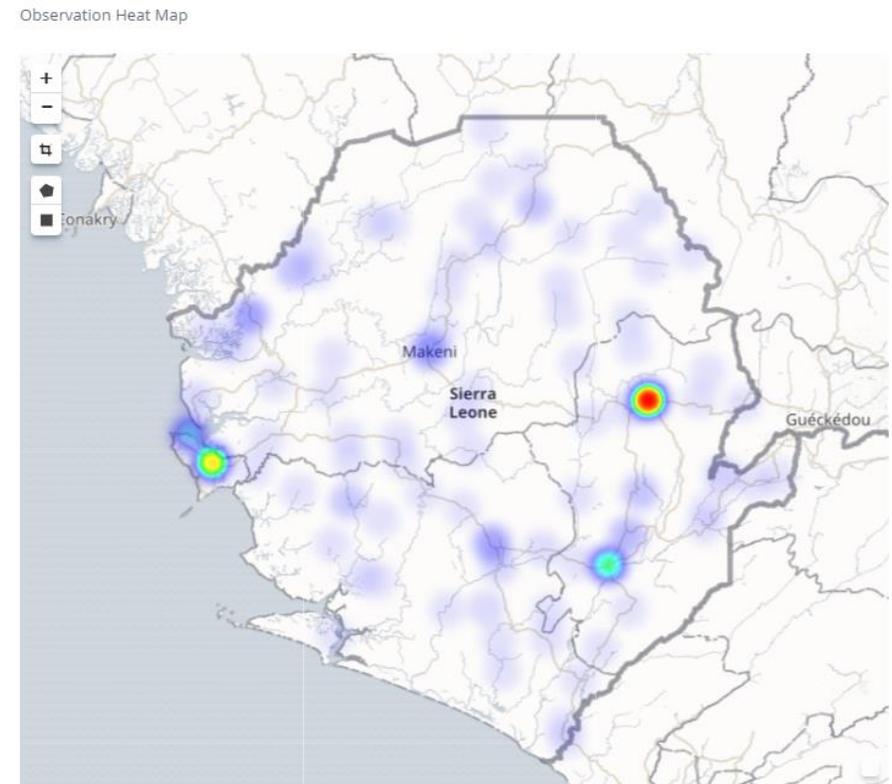


Observation heat map

From the heat map it can be seen that SSOs were more active again with much larger portions of the country being covered.



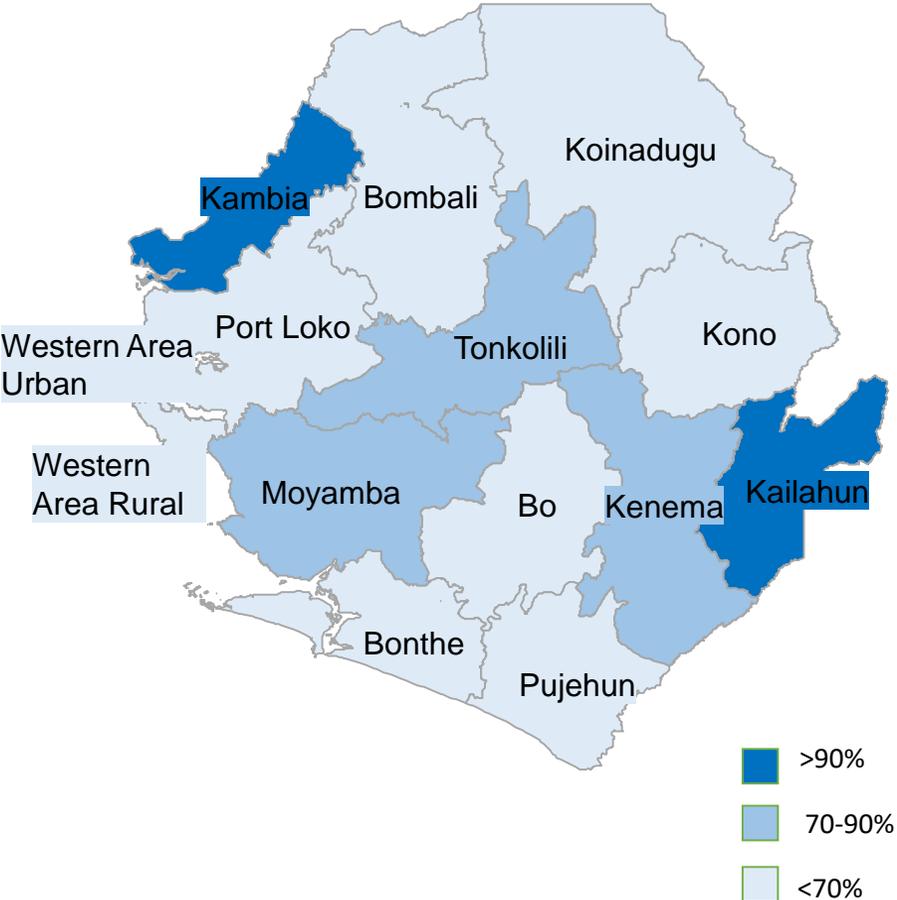
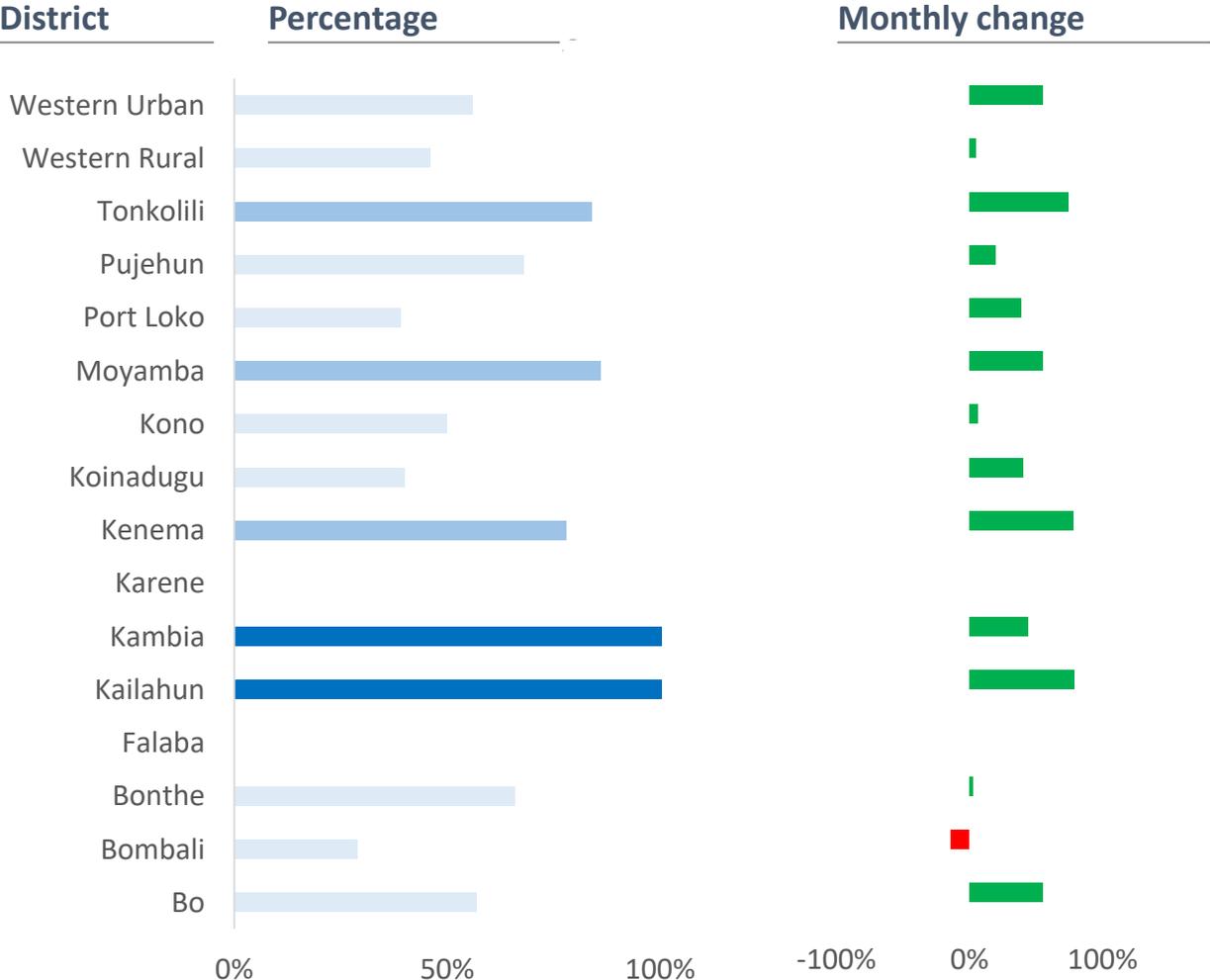
January



February

JS and SS schools visited by SSOs, by District, for February

Schools visited by SSOs last month, % of total non-private schools in district.



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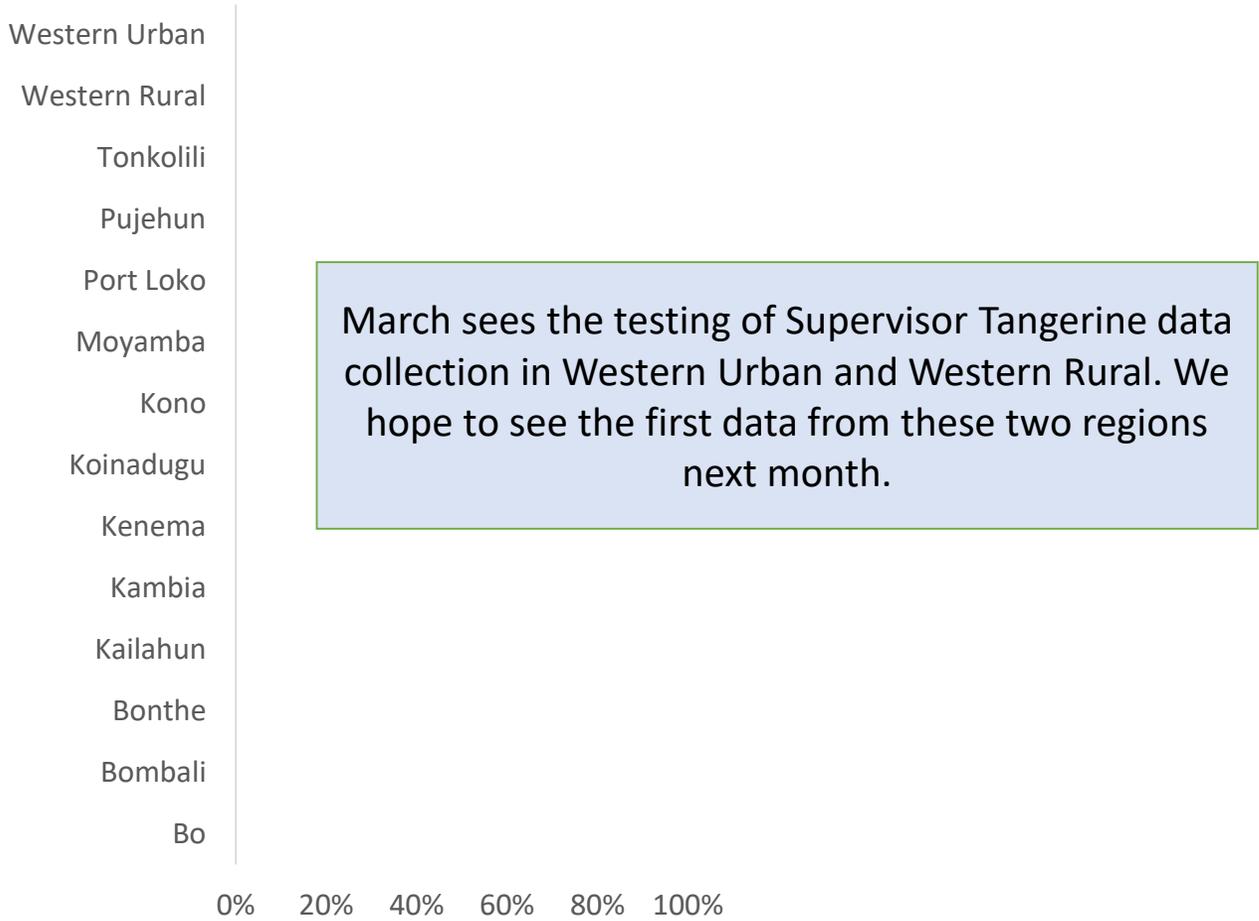
Section 4 – Supervisor visits to schools



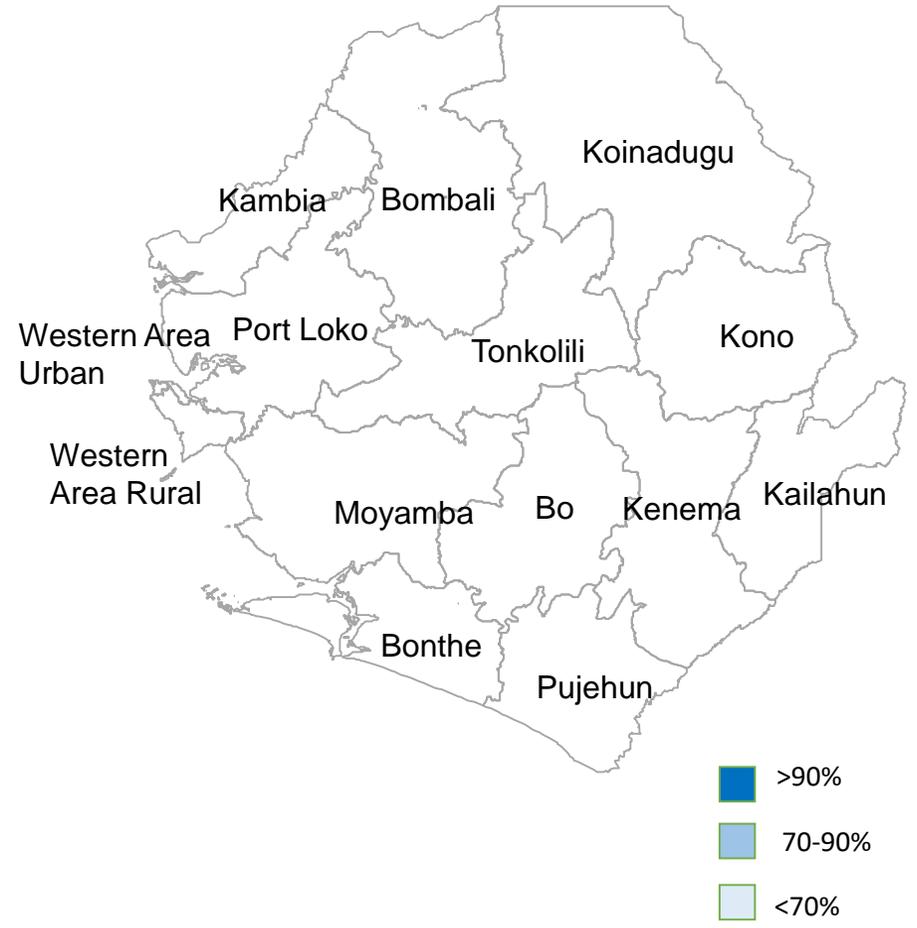
Percentage of JSS schools visited by supervisors, by District, for February

JSS schools visited by supervisors last month, % of total non-private schools in district

District Percentage Monthly change

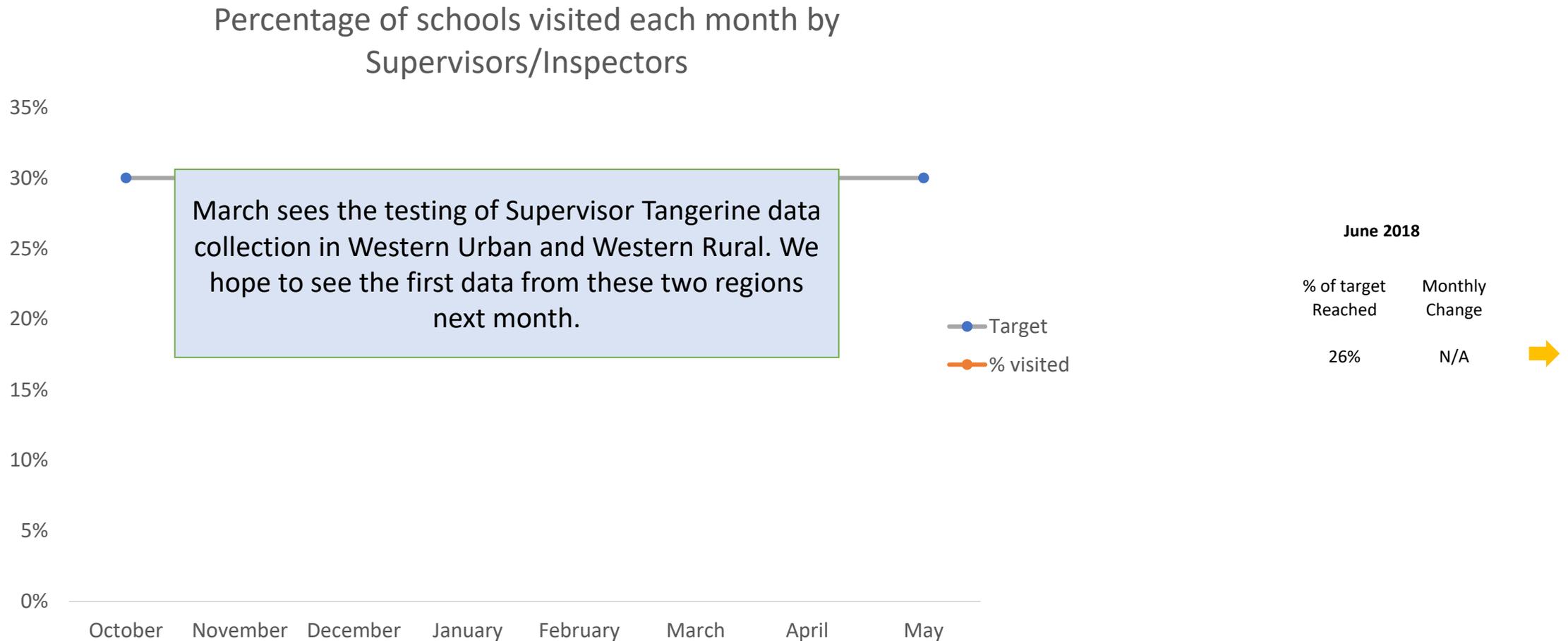


March sees the testing of Supervisor Tangerine data collection in Western Urban and Western Rural. We hope to see the first data from these two regions next month.



Percentage of Schools visited by supervisors nationally by month

There has been no detailed data on supervisor school visits since October 2017 and so progress is unclear



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Section 5 – SSO observation of teachers

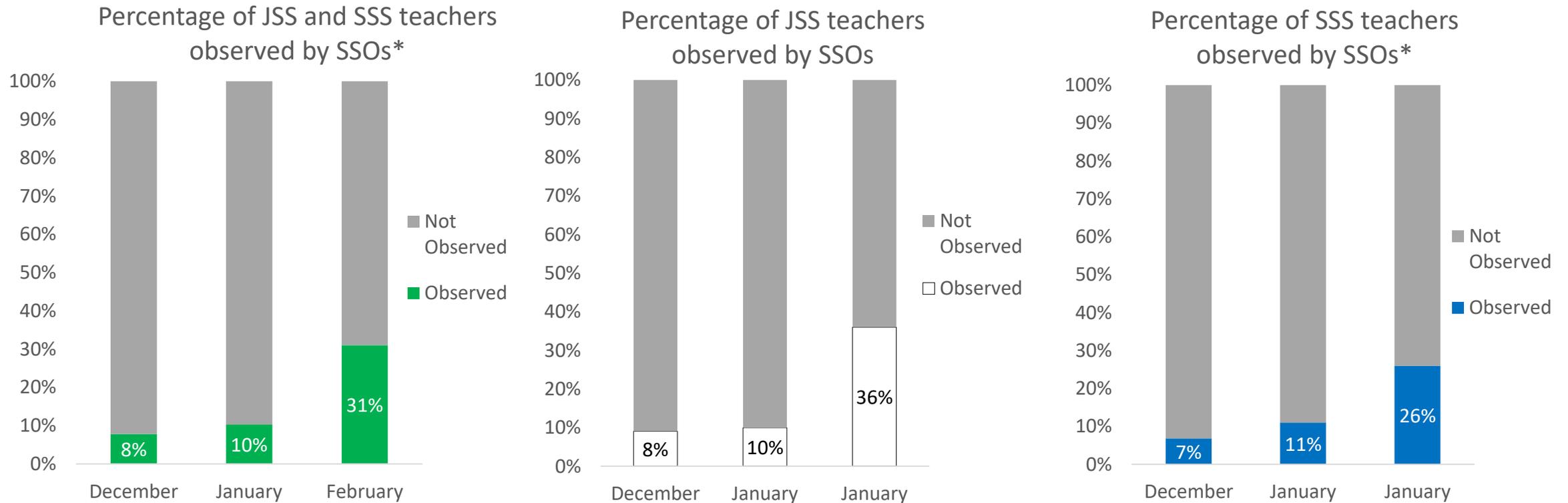


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Proportion of JSS and SSS English and Maths teachers observed by SSOs, for February

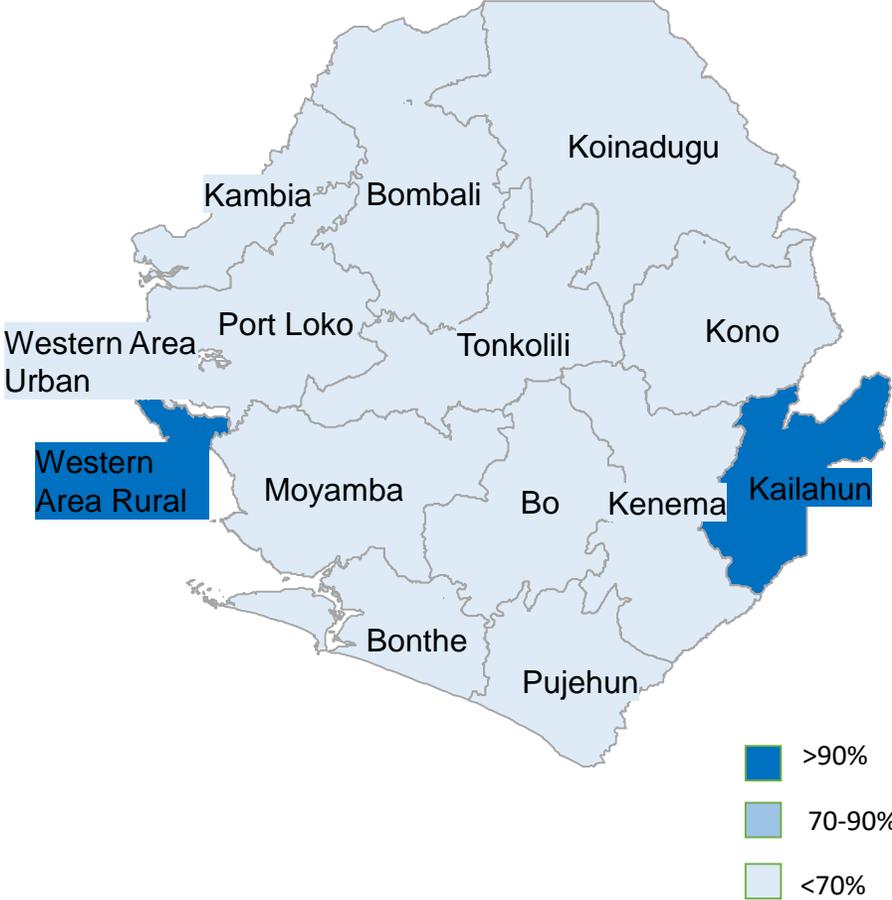
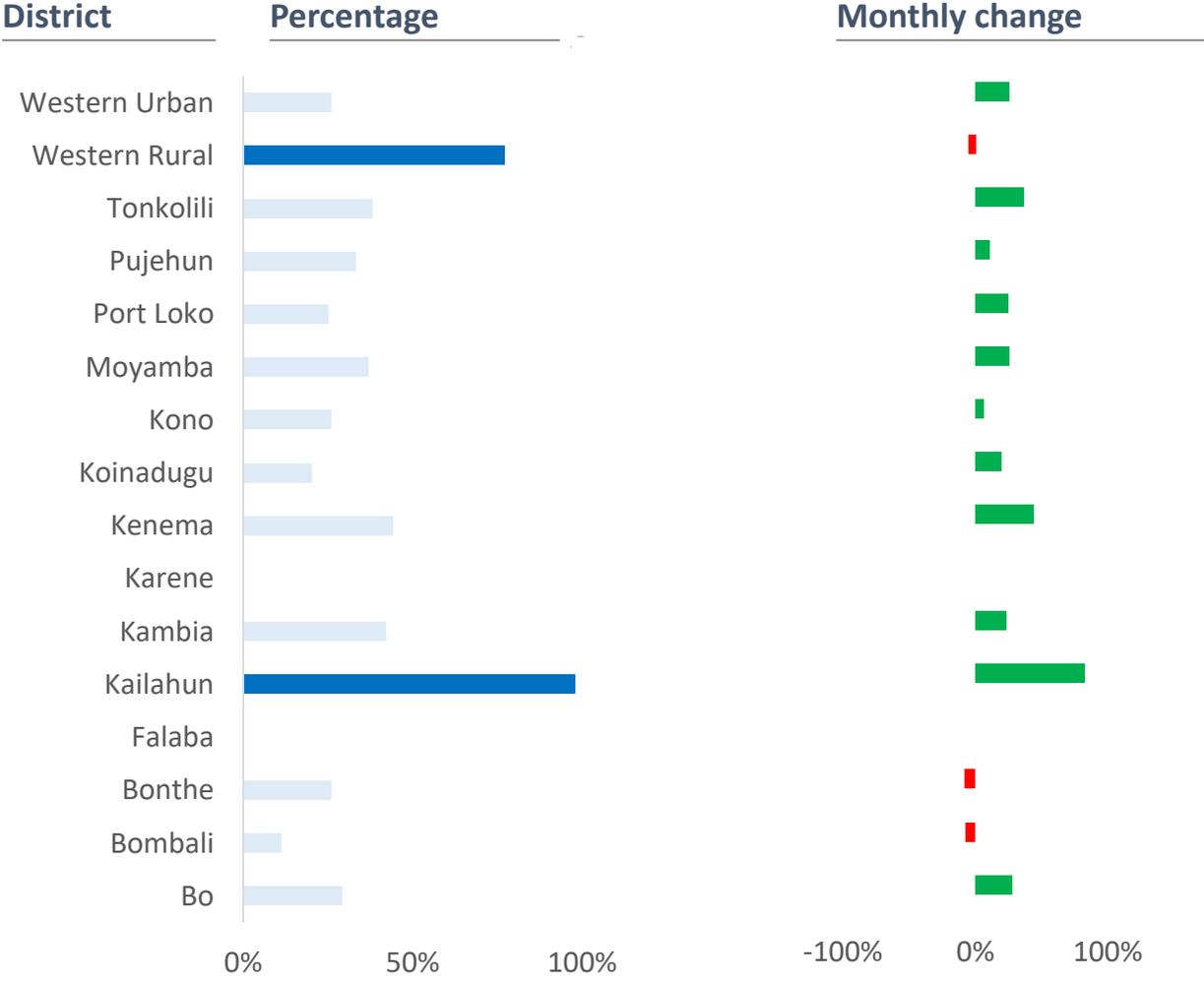
The percentage of teachers observed increased in February but is still well below the levels of November. This should rise again in March.



*Based on estimated total SSS teacher number for English and Maths only

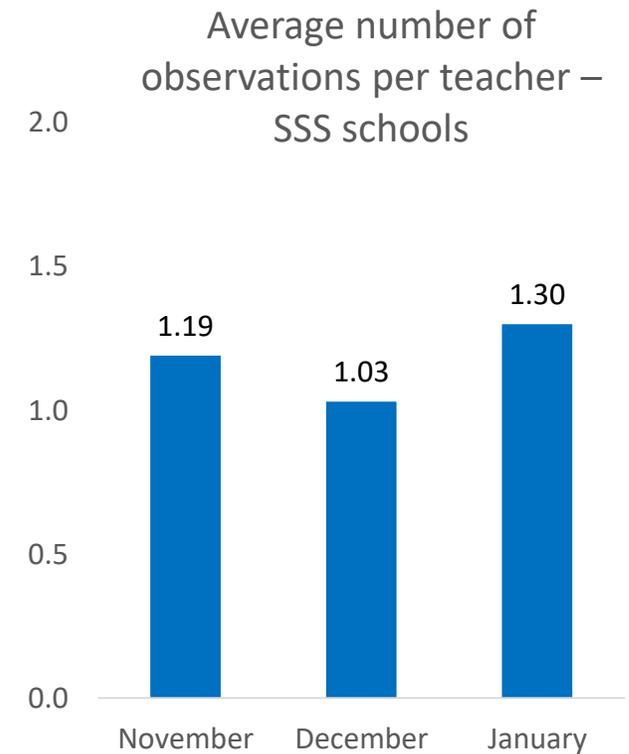
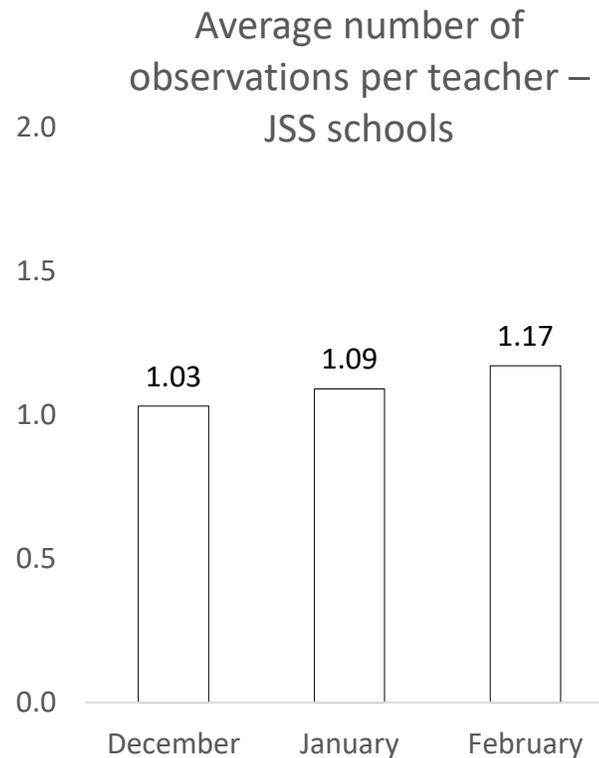
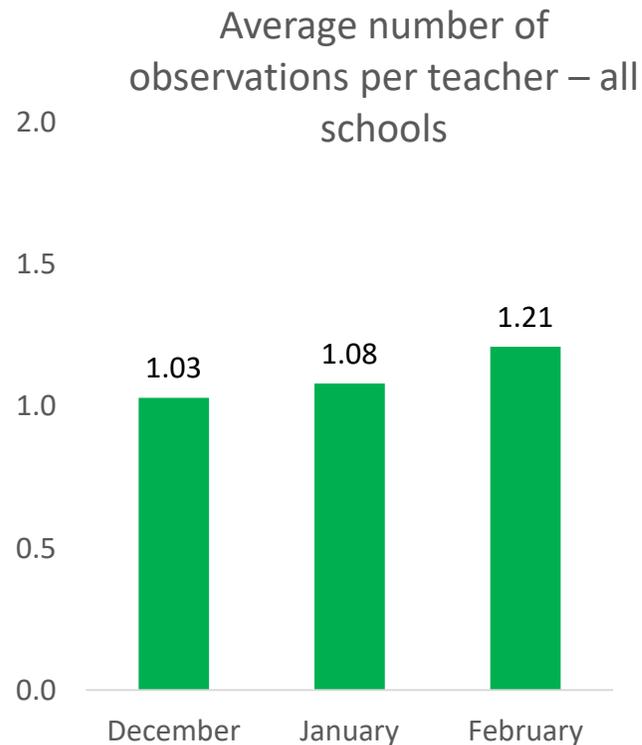
Percentage of JSS English and Maths teachers observed, by district in February

Teacher observed by SSOs last month, % of total non-private schools in district.



Average number of observations per teacher, for those observed in February

In February, there was a noticeable rise in the number of observations per teacher observed, but given the number of teachers still not observed this month this is of secondary importance.



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Section 5 – Lesson plan use



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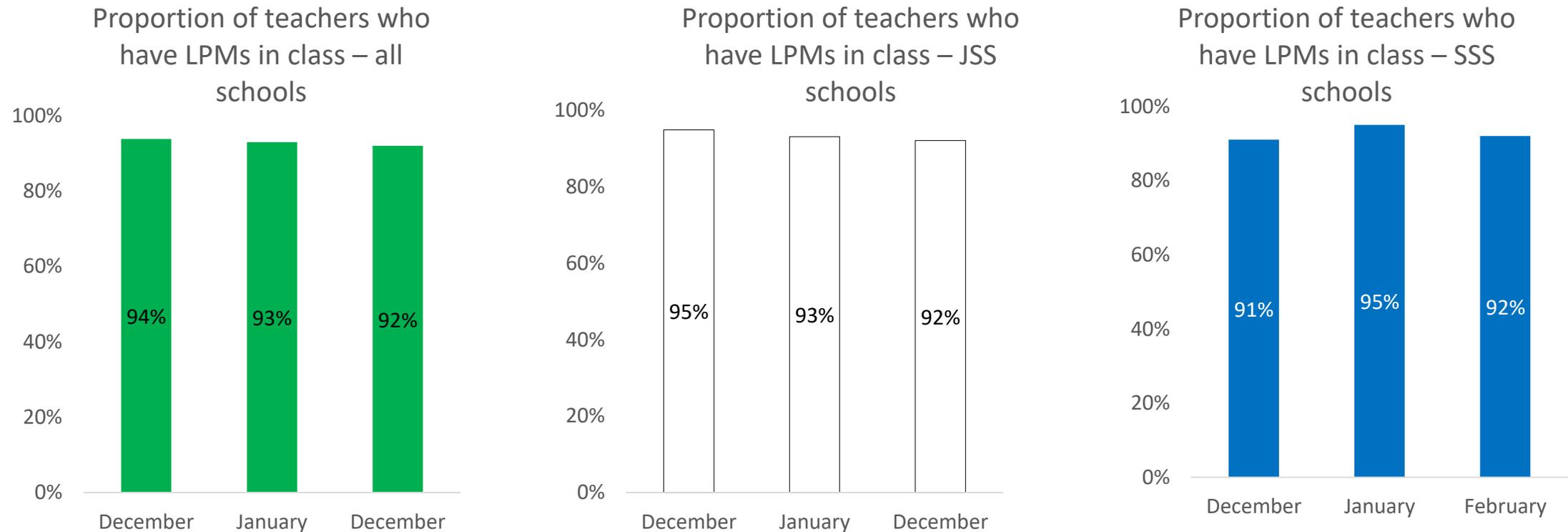


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Proportion of teachers that have LPMs in the class during observation, for February

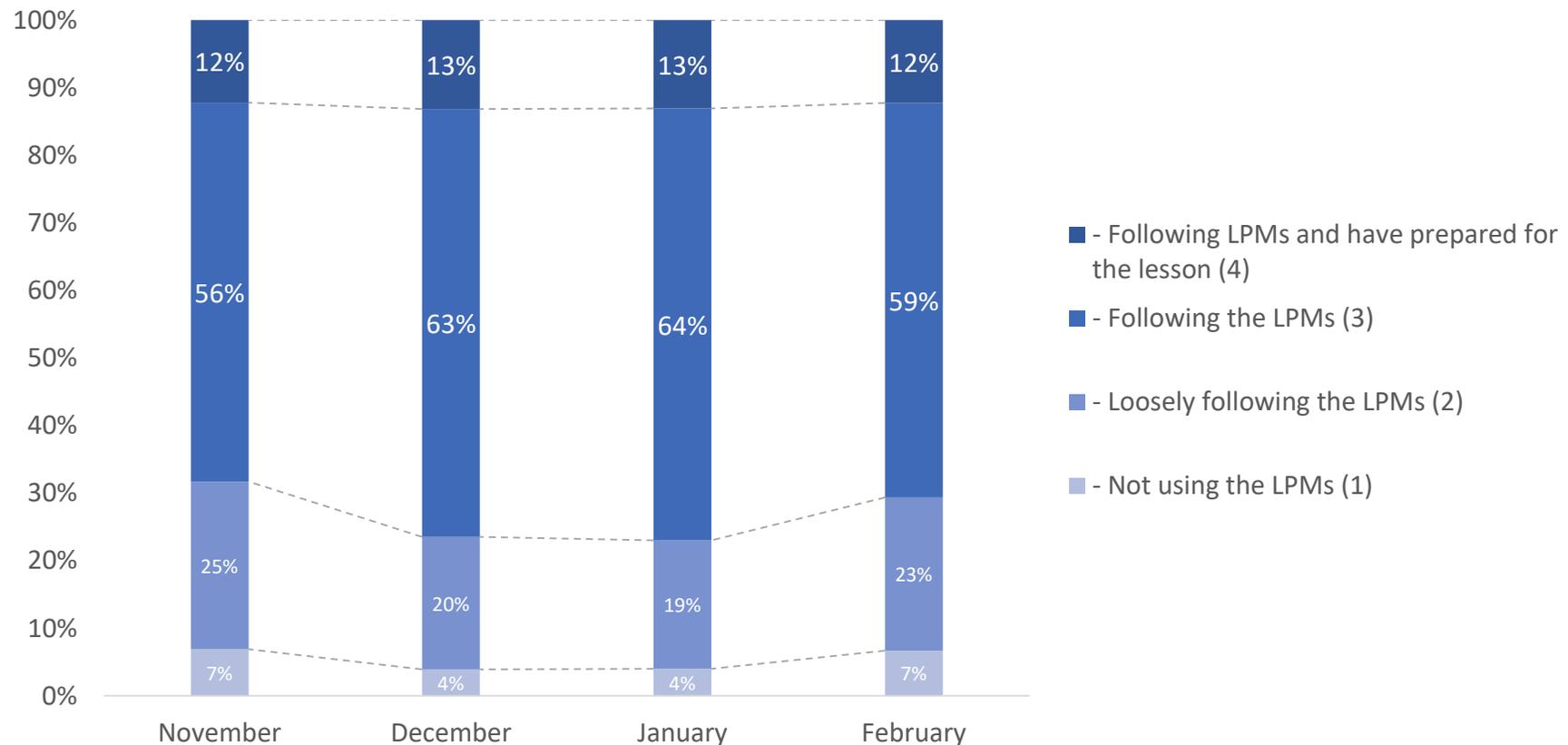
The use of LPMs in class remains high, with them being observed as present in over 90% of lessons on a regular basis.



Observation scoring of lesson plan use by JSS English and Math teachers, for February

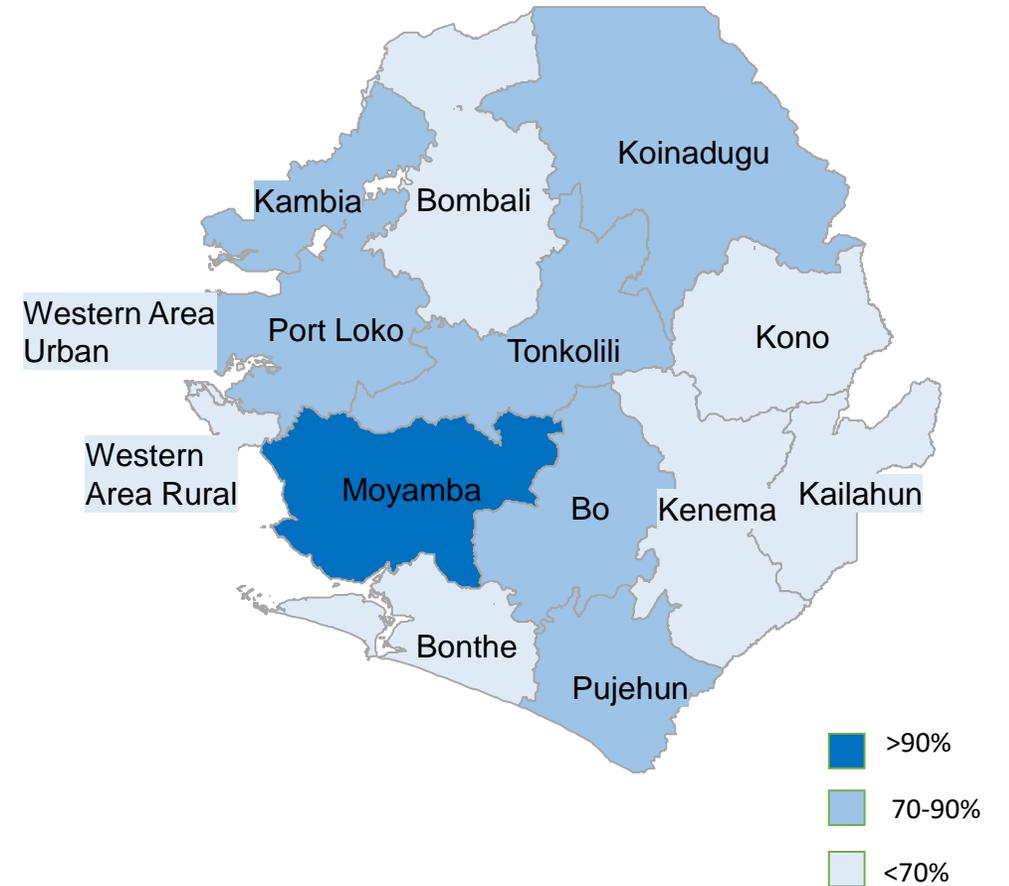
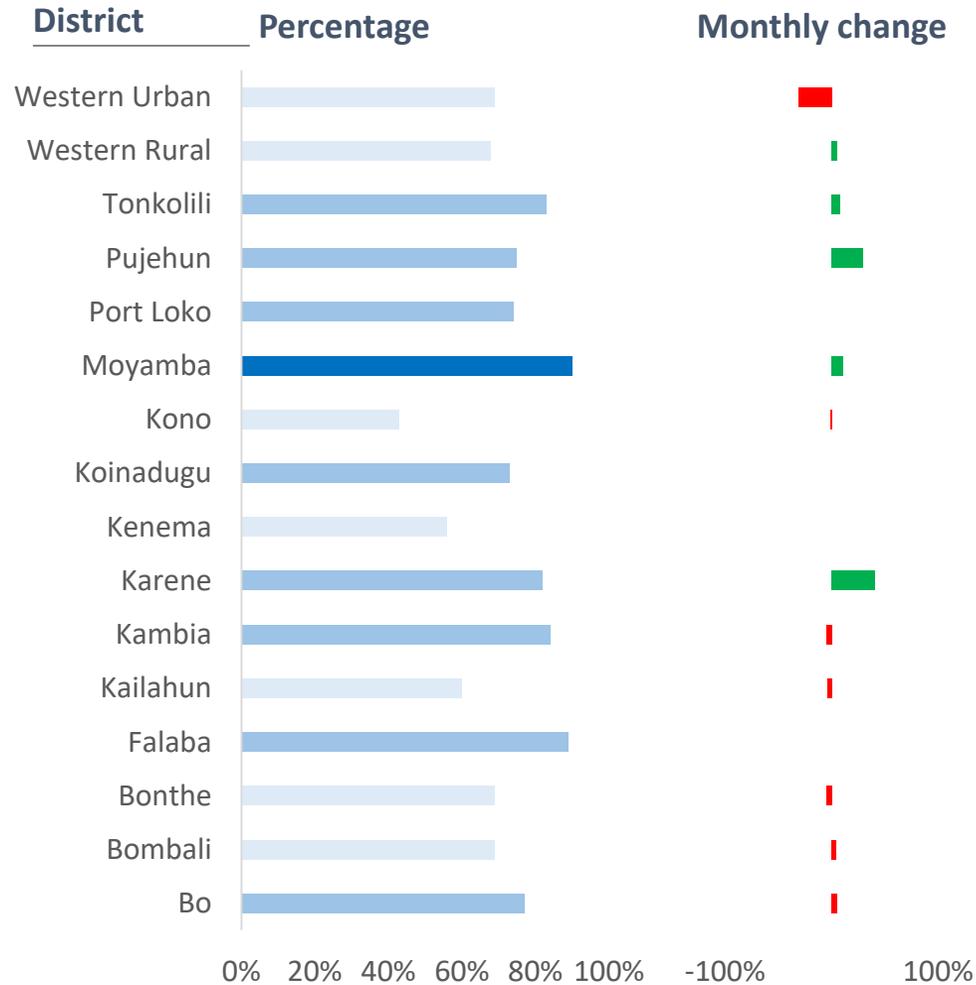
The quality of lesson plan use has remained relatively static in recent months with about 25-30% of observations below the target level. The reasons for this are unclear and need more in depth investigation.

Lesson Plan Use based on SSO Observation Scores



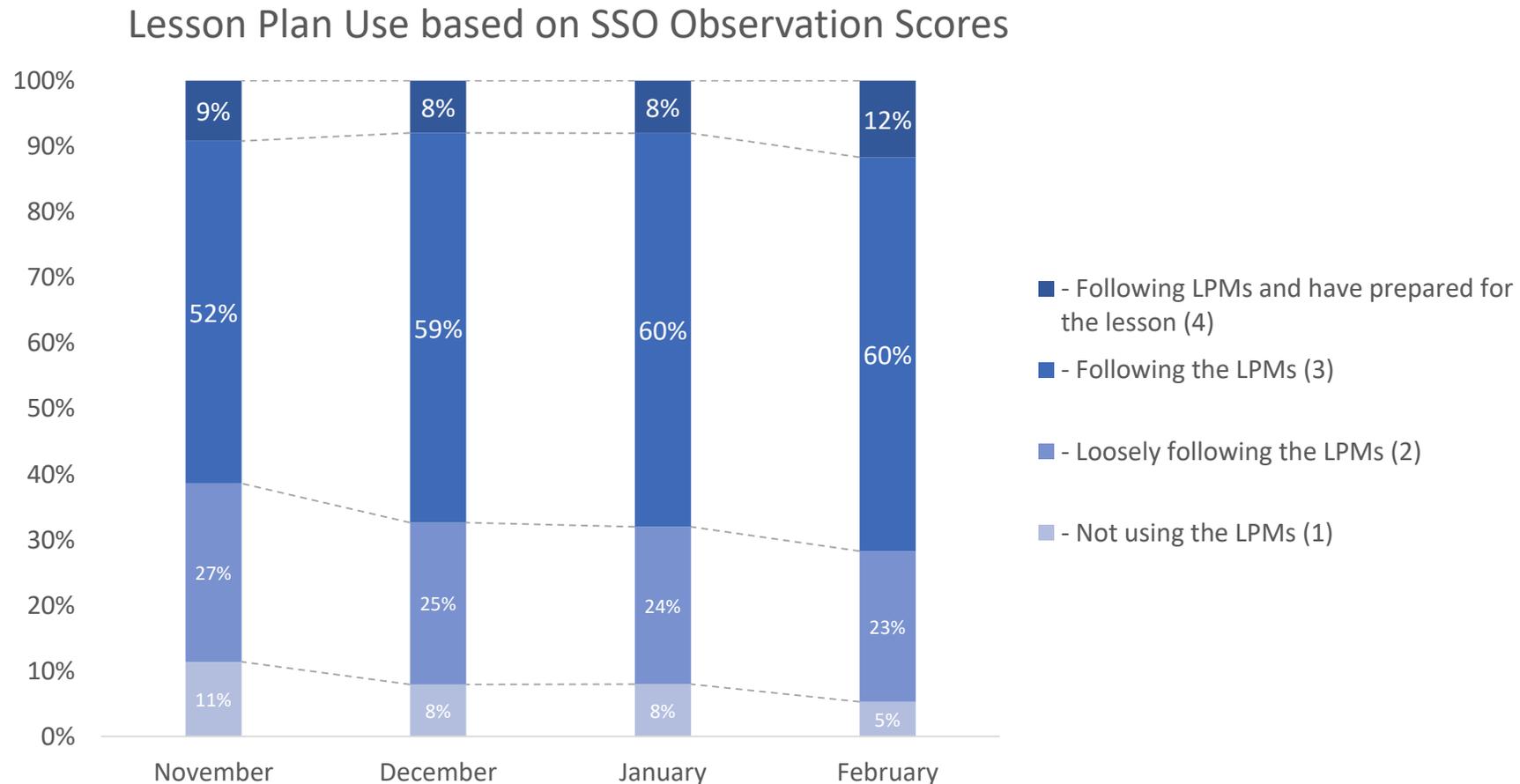
Percentage of lessons scoring 3 or 4 for LPM use, by District, for February, JSS

% of lesson observations scoring 3 or 4 for lesson plan use (top two ratings), by district



Observation scoring of lesson plan use by SSS English and Math teachers, for February

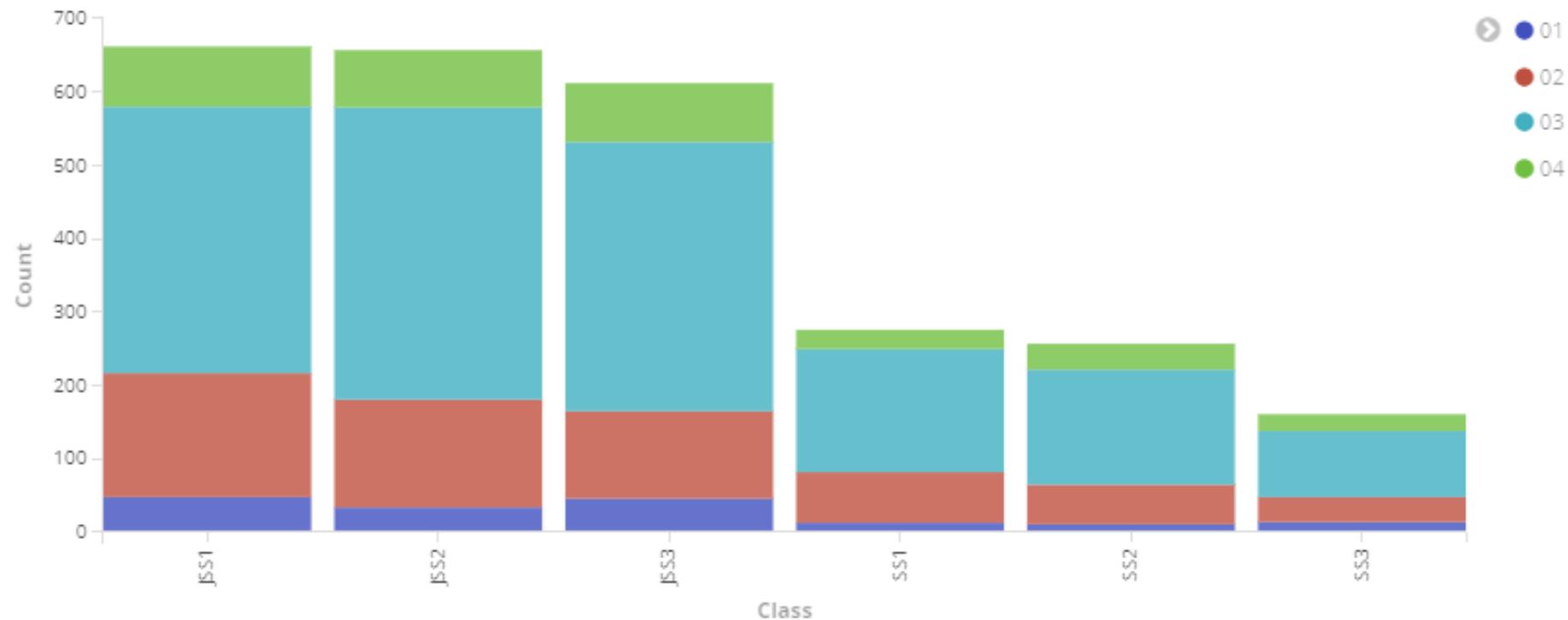
The overall use of lesson plans is similar for SSS as JSS, however, given the more recent introduction and the fact the trend is still positive (increasing level 3 and 4 and decreasing level 2 and 1) there is some encouragement here.



Lesson plan manual usage by grade

The chart below shows that there are similar levels of scoring of lesson plan use within individual JSS and SSS grades in February

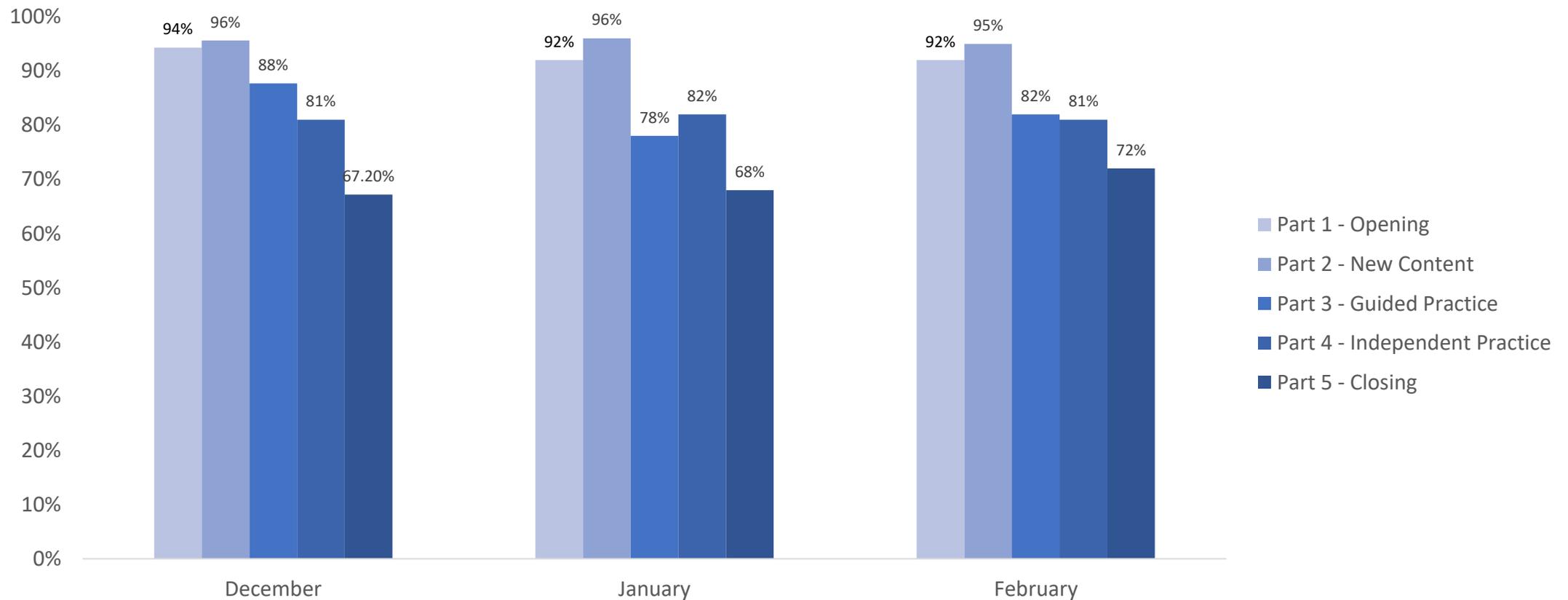
Follow Lesson Plan Manual - By Class



Extent of confident use of each of the 5 parts of the lessons plans in JSS schools

There seems to have been a gradual increase in some of the less used parts of lesson plans in February, most notably the closing or final part.

Implementation of Parts of Lesson Plans in all JSS observations



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Section 6 – Materials in classroom



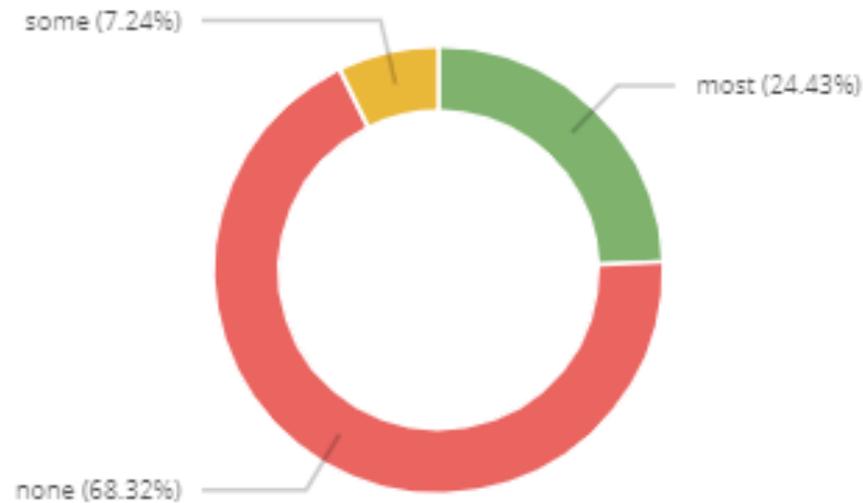
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Proportion of pupils who have Pupil Handbooks in observed lessons, February

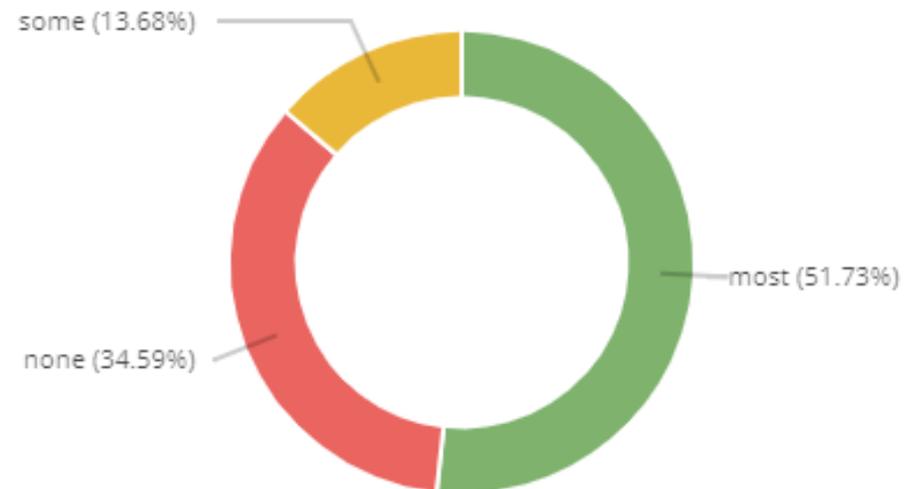
The progress with pupil handbook distribution can be seen, with the proportion of classes where most pupils have handbooks more than doubling from less than 25% in January to over 50% in February. It is expected this will continue to rise in March when distribution is completed.

Pupil Handbook Presence



January

Pupil Handbook Presence

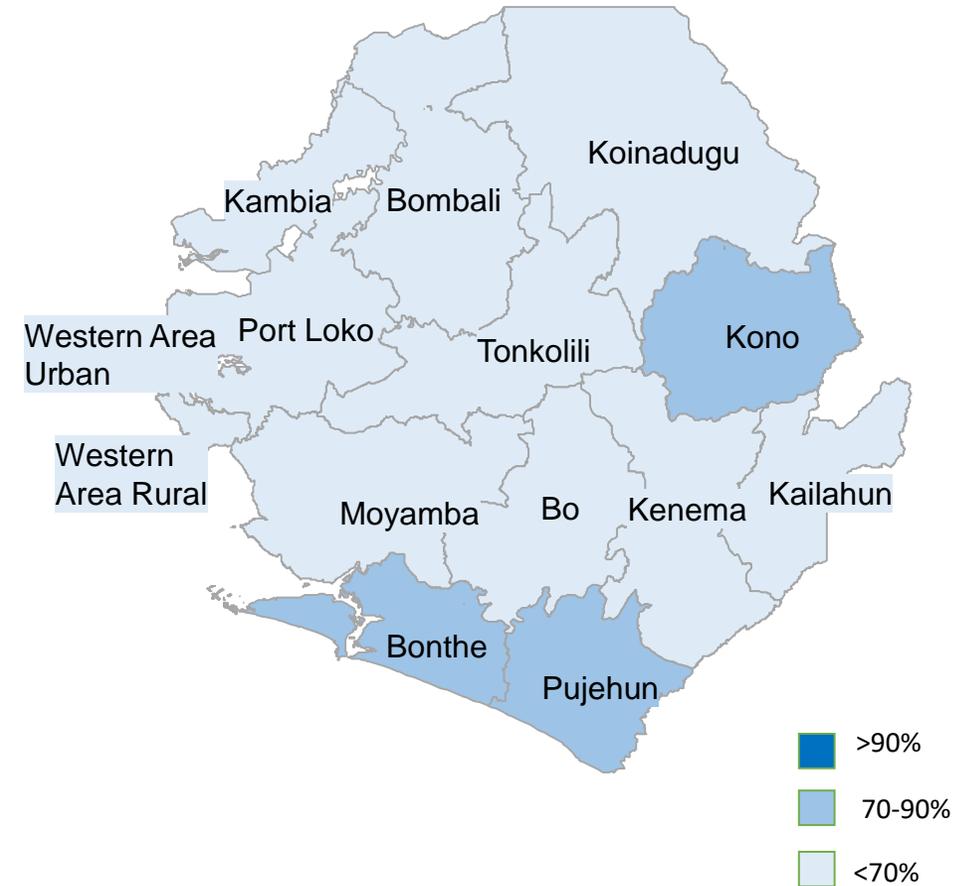
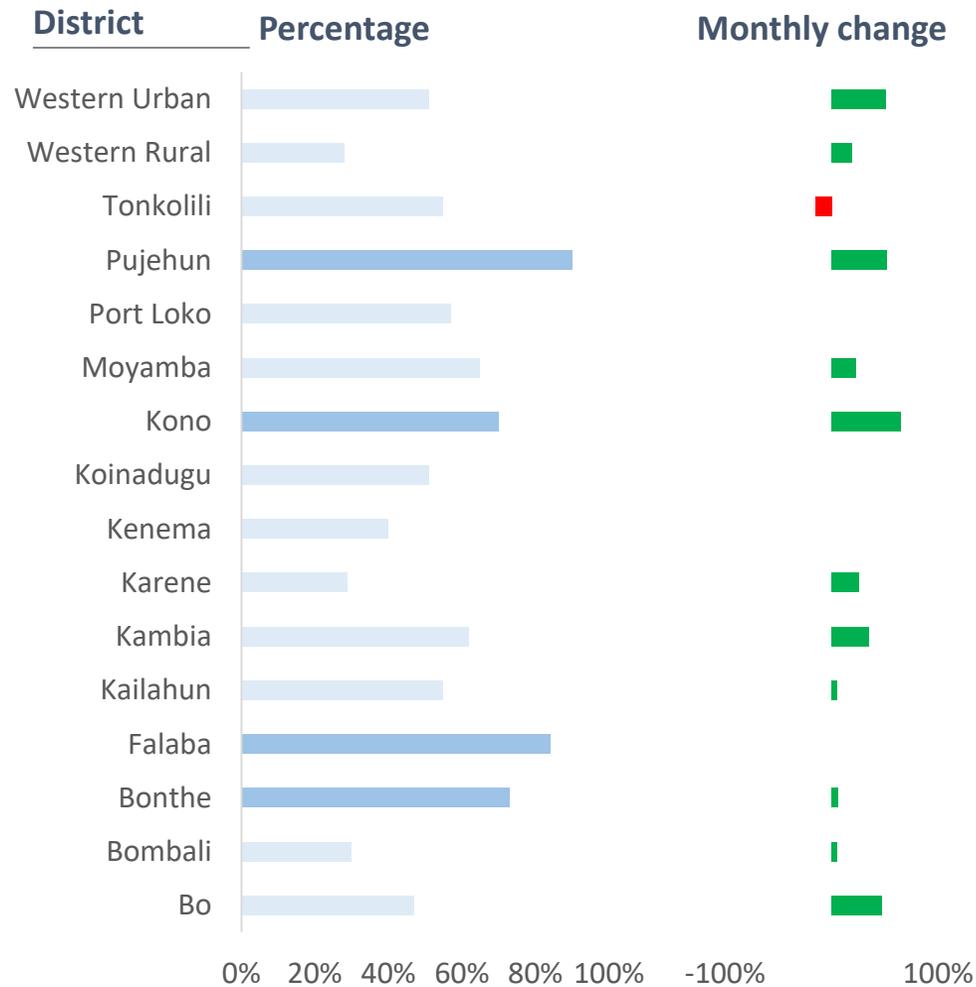


February



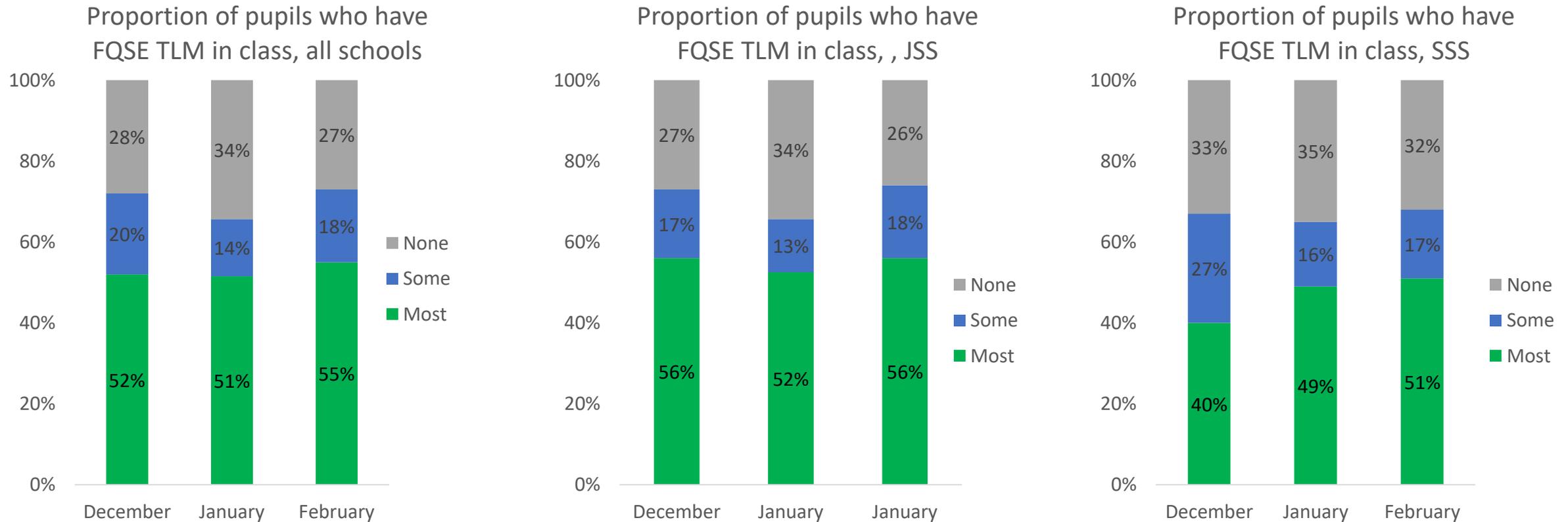
Proportion of Classrooms where 'most' pupils have pupil handbooks in class, for February

% of lesson observations where 'most' pupils have pupil handbooks



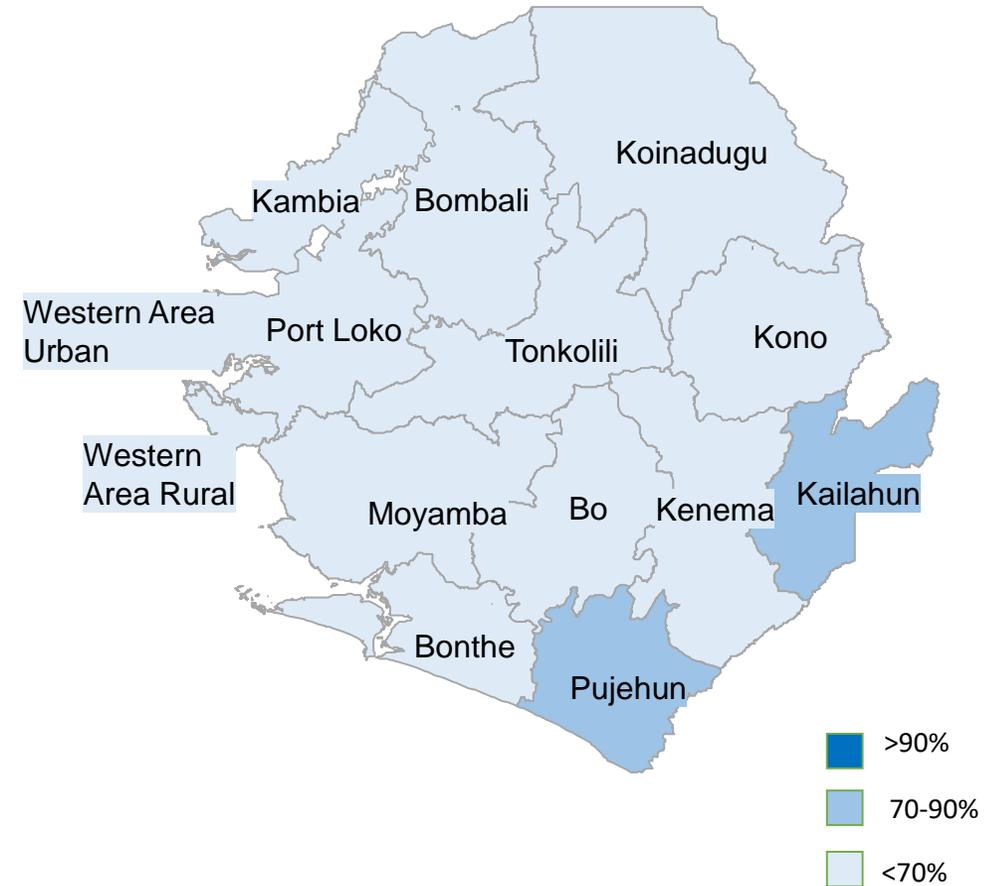
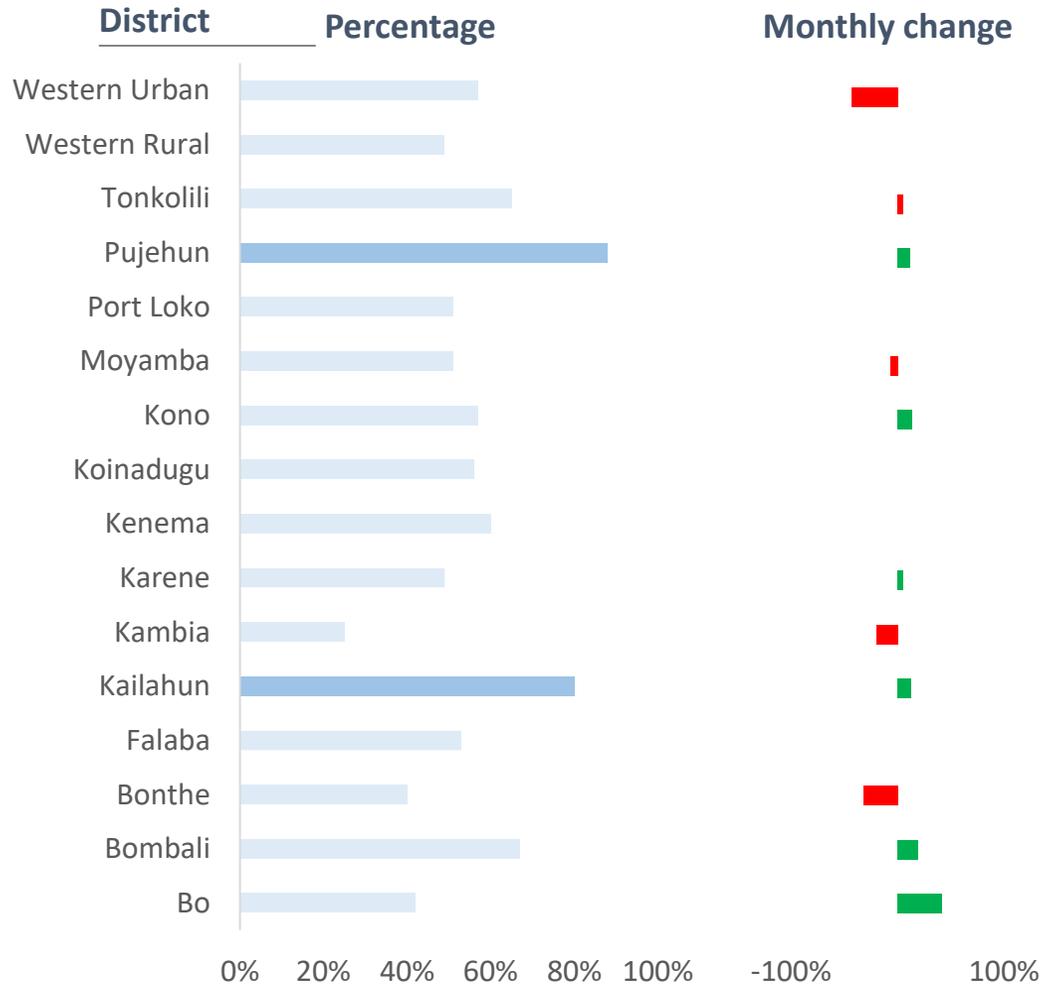
Proportion of pupils who have FQSE teaching and learning materials in class, for February

The proportion of pupils with FQSE teaching and learning materials in class increased slightly in February but there are none in just over a quarter of all lessons observed still



Proportion of JSS and SSS Classrooms where 'most' pupils have FQSE teaching and learning materials

% of lesson observations where 'most' pupils have pupil handbooks



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Section 7 – Pupil Attendance



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Average combined JSS and SSS classroom attendance, disaggregated by sex for February

Both boys' and girls' attendance increased by 3-4% in February, compared to January. Girls' attendance still remained higher than boys though.

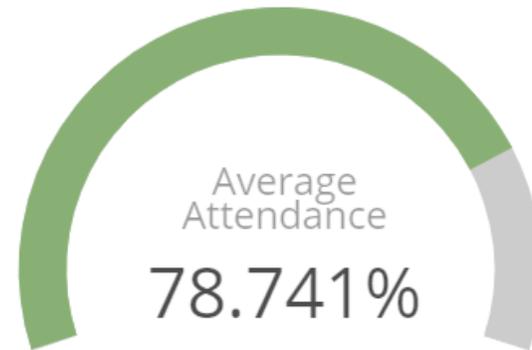
Boys Attendance

23.7 **29.7**
Average Boys Present Average Boys Enrolled

Girls Attendance

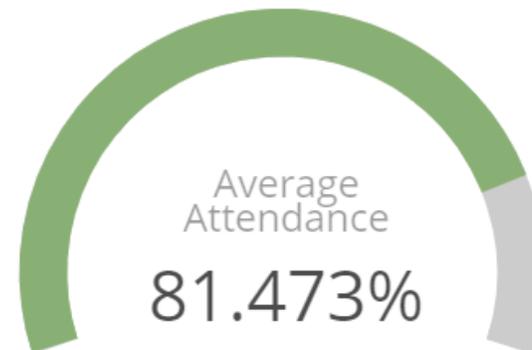
24.1 **29.7**
Average Girls Present Average Girls Enrolled

Boys Attendance



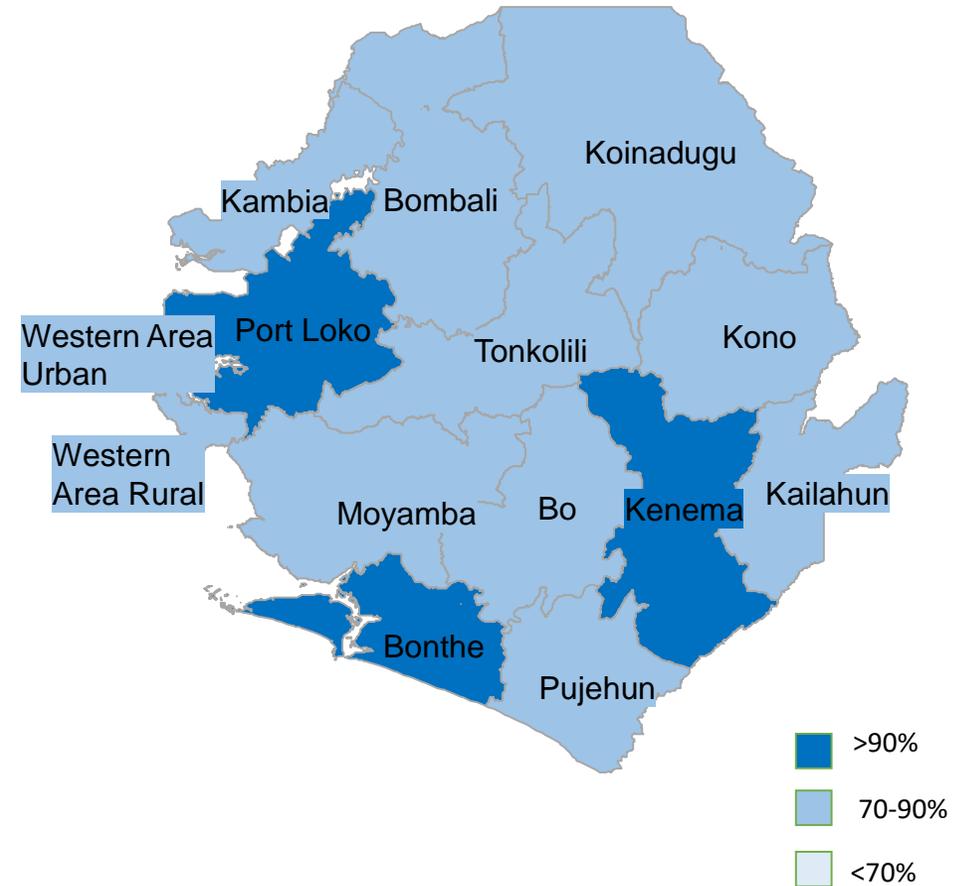
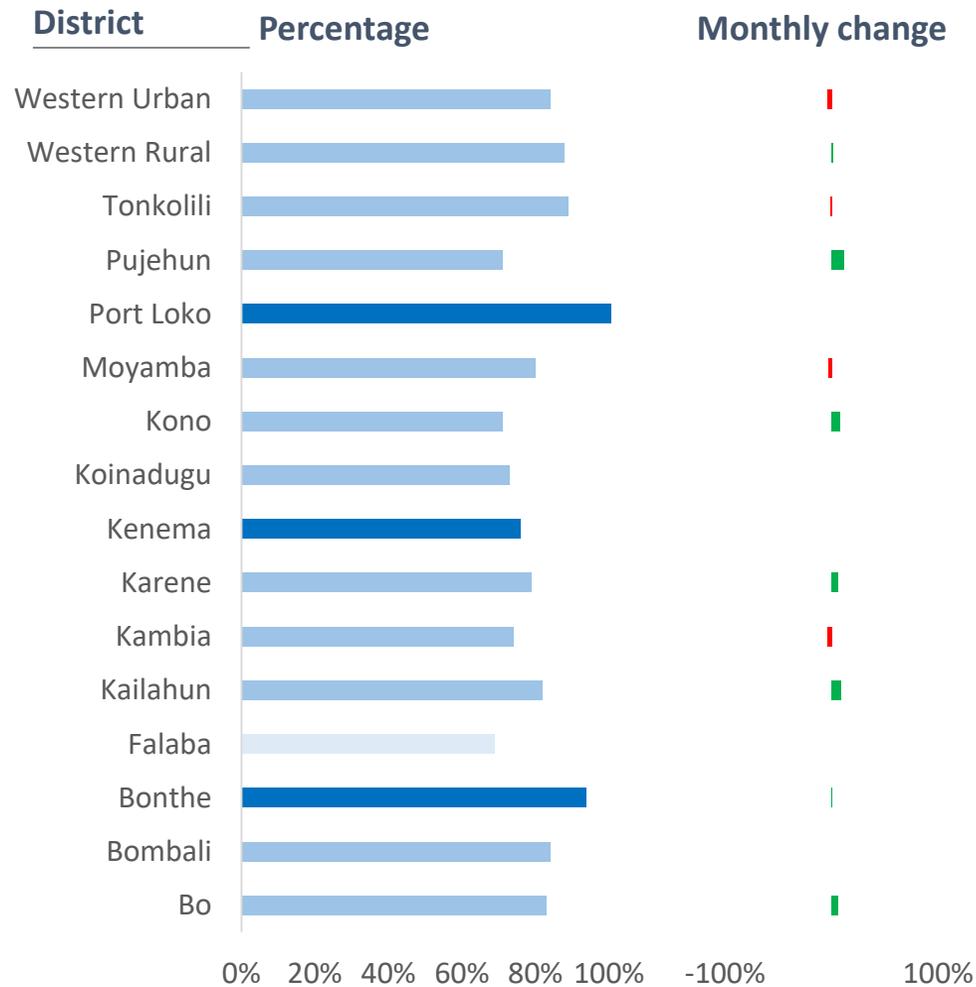
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Girls Attendance



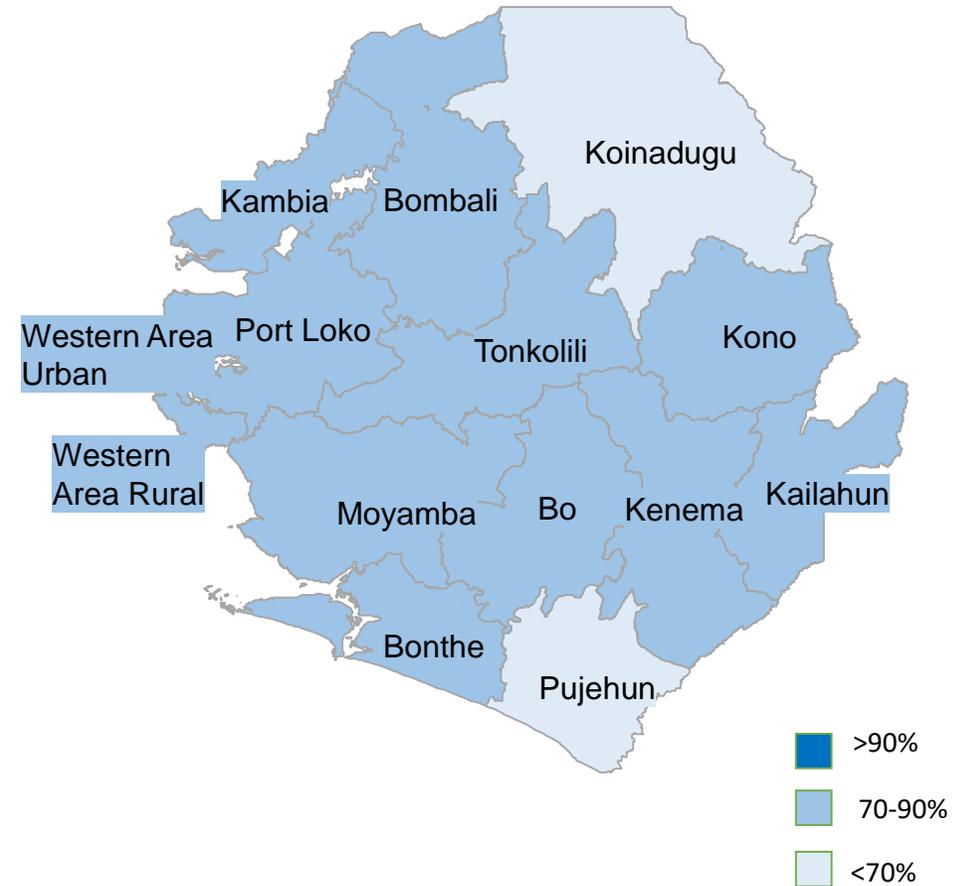
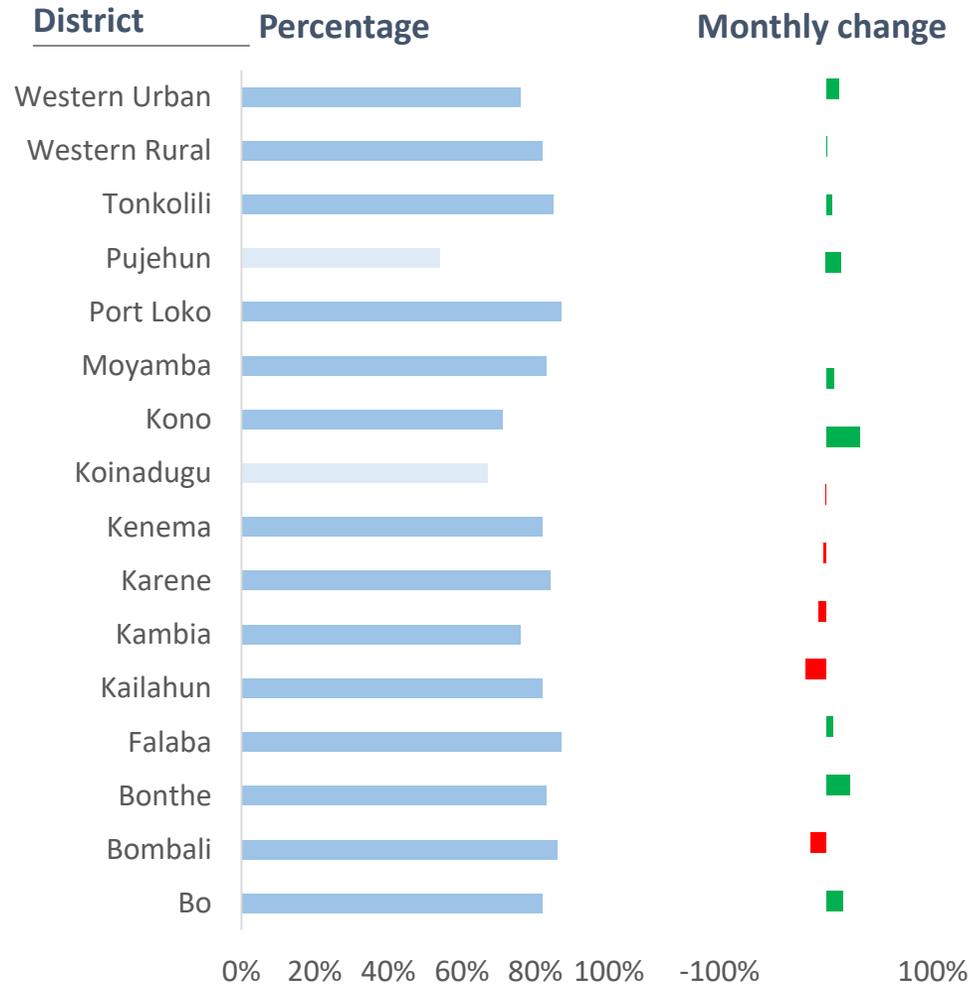
Average attendance in JSS Classrooms, both sexes by district in February

Average attendance (% of enrolled) in JSS classrooms, both sexes combined



Average attendance in SSS Classrooms, both sexes by district in February

Average attendance (% of enrolled) in SSS classrooms, both sexes combined



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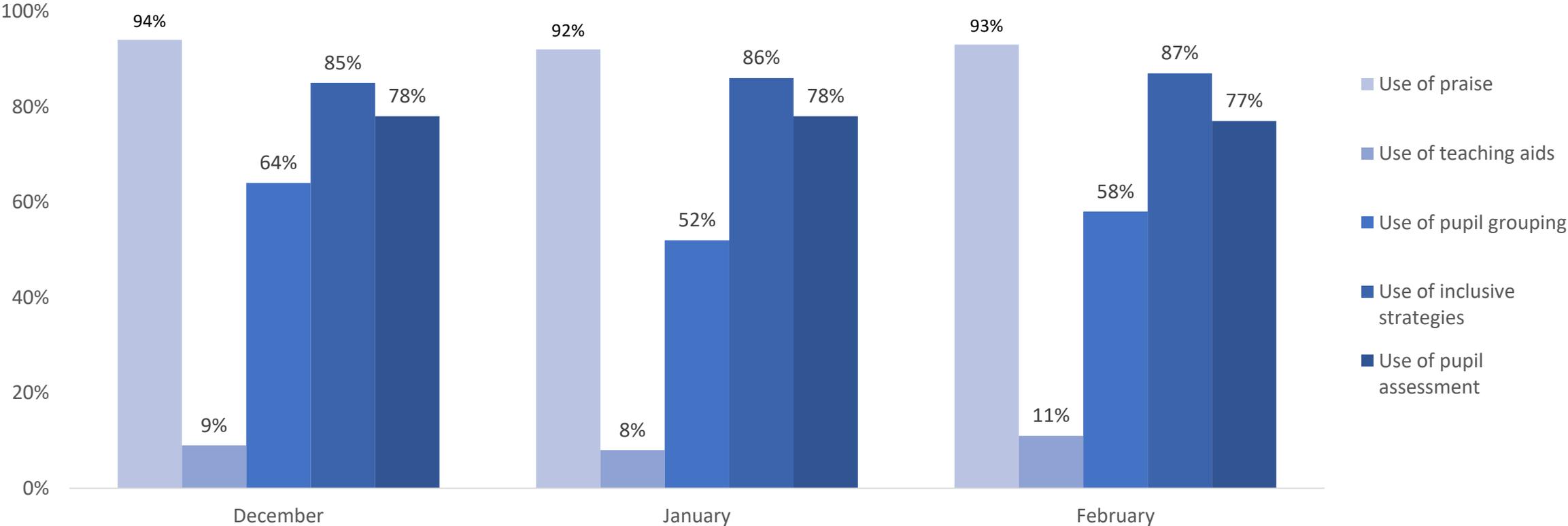
Section 8 – Pedagogy



Use of pedagogical strategies in observed JSS and SSS classrooms, for February

In February, the use of pedagogical strategies in classrooms was very similar to previous months, the recovery in the use of pupil grouping being the main observation.

Proportion of lessons where different pedagogical strategies are used



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Section 6 – Summary data



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School and teacher data – LWL focus

Total Schools	7,981
Primary	6,474
Total Schools	7,981
Primary	6,474
JSS	1,155
JSS (non-private) – LWL focus	987
Actual Number of non private JSS Supported this month	620
SSS	352
Actual Number of non private JSS Supported this month	221
Total Teachers	58,628
Primary	38,382
JSS	14,329
JSS (non-private) – LWL focus (English & Maths teachers)	4,800
Number of JSS teachers reached this month	1604
SSS	5,917
SSS (non-private) – LWL focus (English & Maths teacher)	2,000 (estimate)
Number of SSS teachers reached this month	525