

Leh Wi Lan

Improving Secondary Education in Sierra Leone

Monthly School Monitoring Dashboard Report

March 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 <https://reporting.lehwilan.org/> now with upgrades aimed at optimizing download speeds in more remote locations.
- The trend of increased lesson observations continued again this month as SSOs made up for the disruption caused by distribution of Pupil Handbooks.
- Key observations related to school visits are:
 - Pupil handbooks use in class continues to increase
 - Use of lesson plans in SSS lessons continues to improve, but effective use in JSS has stalled
 - Presence of FQSE teaching and learning materials in class increased significantly
- There are some notable variations in performance at district level, with some districts performing very strongly in a number of indicators, while others were much weaker – these need to be monitored and analysed if they continue

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 but the proportion of teachers being observed each month remains low.
- There is still a need for improvement on effective use of lesson plans with approximately 25-30% of teachers still scoring 1 or 2 in LPM usage – this is now largely unchanged for several months.
- Pupil attendance fell in March compared to February by a few percentage points

Monthly highlights – by district

District	Strong performance	Areas for Improvement
Bo	<ul style="list-style-type: none"> 80% of JSS lessons observed scored 3 or 4 for quality of LPM use 	<ul style="list-style-type: none"> Only 41% of JSS English and Maths teachers were observed this month
Bombali	<ul style="list-style-type: none"> In 92% of classrooms ‘most’ pupils had FQSE teaching and learning materials 	<ul style="list-style-type: none"> Only 15% of JSS English and Maths teachers were observed this month
Bonthe	<ul style="list-style-type: none"> 86% of schools visited this month 	<ul style="list-style-type: none"> In only 36% of classrooms did ‘most’ pupils have pupil handbooks
Falaba	<ul style="list-style-type: none"> 83% of JSS and 90% of SSS lessons observed scored 3 or 4 for quality of LPM use 	<ul style="list-style-type: none"> JSS classroom attendance averaged only 51% this month
Kailahun	<ul style="list-style-type: none"> In 73% of classrooms ‘most’ pupils had Pupil handbooks 	<ul style="list-style-type: none"> Only 56% of schools were visited this month – a big drop from last month
Kambia	<ul style="list-style-type: none"> 88% of JSS and 90% of SSS lessons observed scored 3 or 4 for quality of LPM use 	<ul style="list-style-type: none"> In only 36% of classrooms did ‘most’ pupils have FQSE teaching and learning materials
Karene	<ul style="list-style-type: none"> Average classroom attendance at 85% in SSS 	<ul style="list-style-type: none"> Just 48% of JSS lessons observed scored 3 or 4 for quality of LPM use
Kenema	<ul style="list-style-type: none"> 88% of schools visited this month 	<ul style="list-style-type: none"> Just 63% of JSS lessons observed scored 3 or 4 for quality of LPM use
Koinadugu	<ul style="list-style-type: none"> In 75% of classrooms ‘most’ pupils had Pupil handbooks 	<ul style="list-style-type: none"> Only 30% of JSS English and Maths teachers were observed this month
Kono	<ul style="list-style-type: none"> 88% of SSS lessons observed scored 3 or 4 for quality of LPM use 	<ul style="list-style-type: none"> Only 63% of JSS lessons observed scored 3 or 4 for quality of LPM use
Moyamba	<ul style="list-style-type: none"> In 77% of classrooms ‘most’ pupils had Pupil handbooks 	<ul style="list-style-type: none"> Only 34% of JSS English and Maths teachers were observed this month
Port Loko	<ul style="list-style-type: none"> 88% of both JSS and lessons observed scored 3 or 4 for quality of LPM use 	<ul style="list-style-type: none"> Only 46% of schools were visited this month – an improvement from February but still low
Pujehun	<ul style="list-style-type: none"> Average attendance of 94% in SSS classrooms 	<ul style="list-style-type: none"> Only 40% of schools were visited this month
Tonkolili	<ul style="list-style-type: none"> 93% of JSS and 91% of SSS lessons observed scored 3 or 4 for quality of LPM use 	<ul style="list-style-type: none"> Only 46% of JSS English and Maths teachers were observed this month
Western Rural	<ul style="list-style-type: none"> 73% of SSS lessons observed scored 3 or 4 for quality of LPM use 	<ul style="list-style-type: none"> Only 21% of schools visited – a large drop this month
Western Urban	<ul style="list-style-type: none"> Average classroom attendance at 82% in JSS 	<ul style="list-style-type: none"> Only 34% of JSS English and Maths teachers were observed this month

Dashboard related issues

Key issues this month

- This is the third 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 rather than 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 <https://reporting.lehwilan.org/> and has been optimized 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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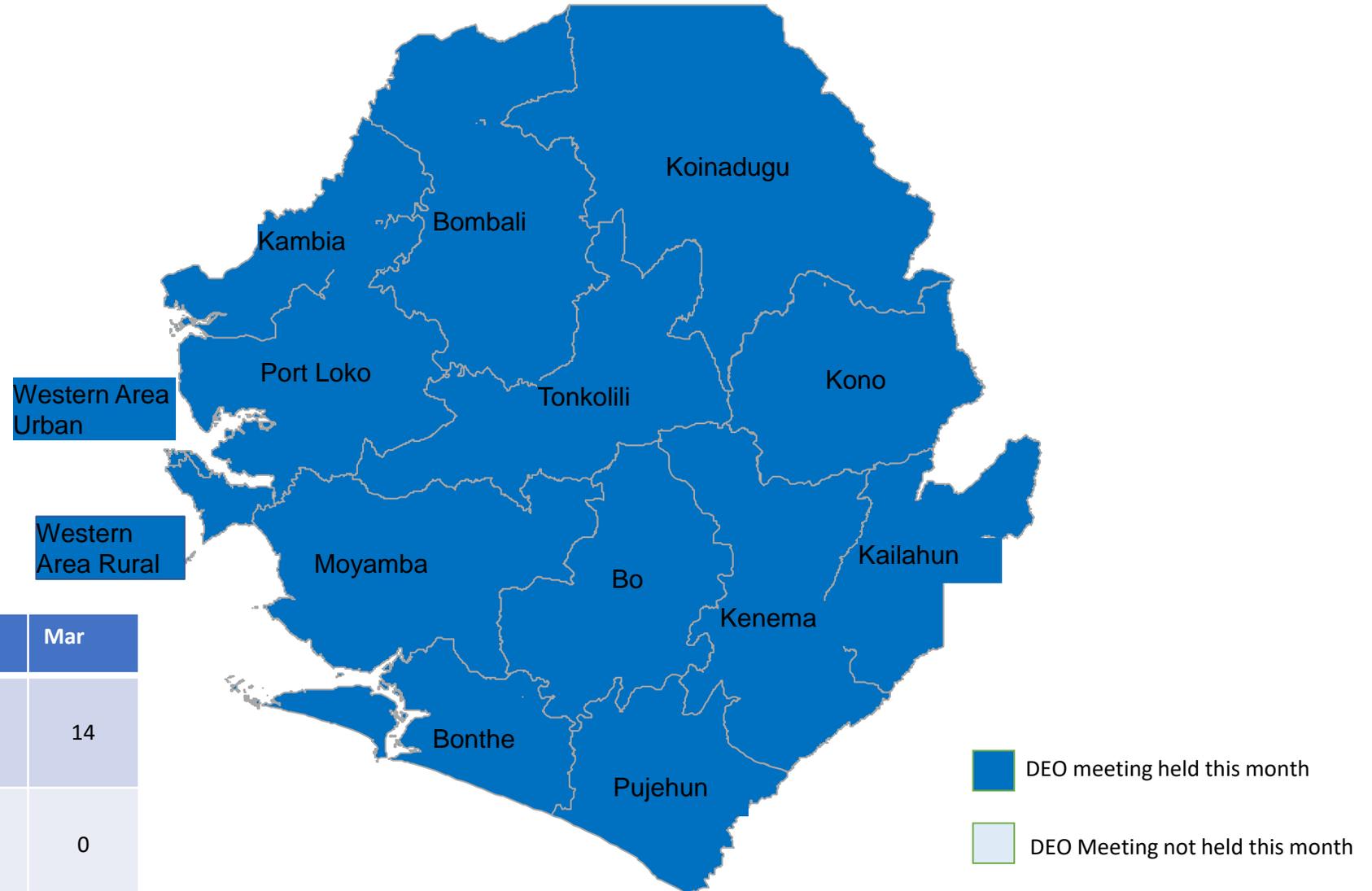
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Section 1 – DEO Monthly Meetings



DEO Monthly Meeting

All districts held Monthly meetings in March, helping to justify the collective decision to postpone February meetings for all locations and focus on March.



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

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Section 2 – SSO observations recorded on Tangerine

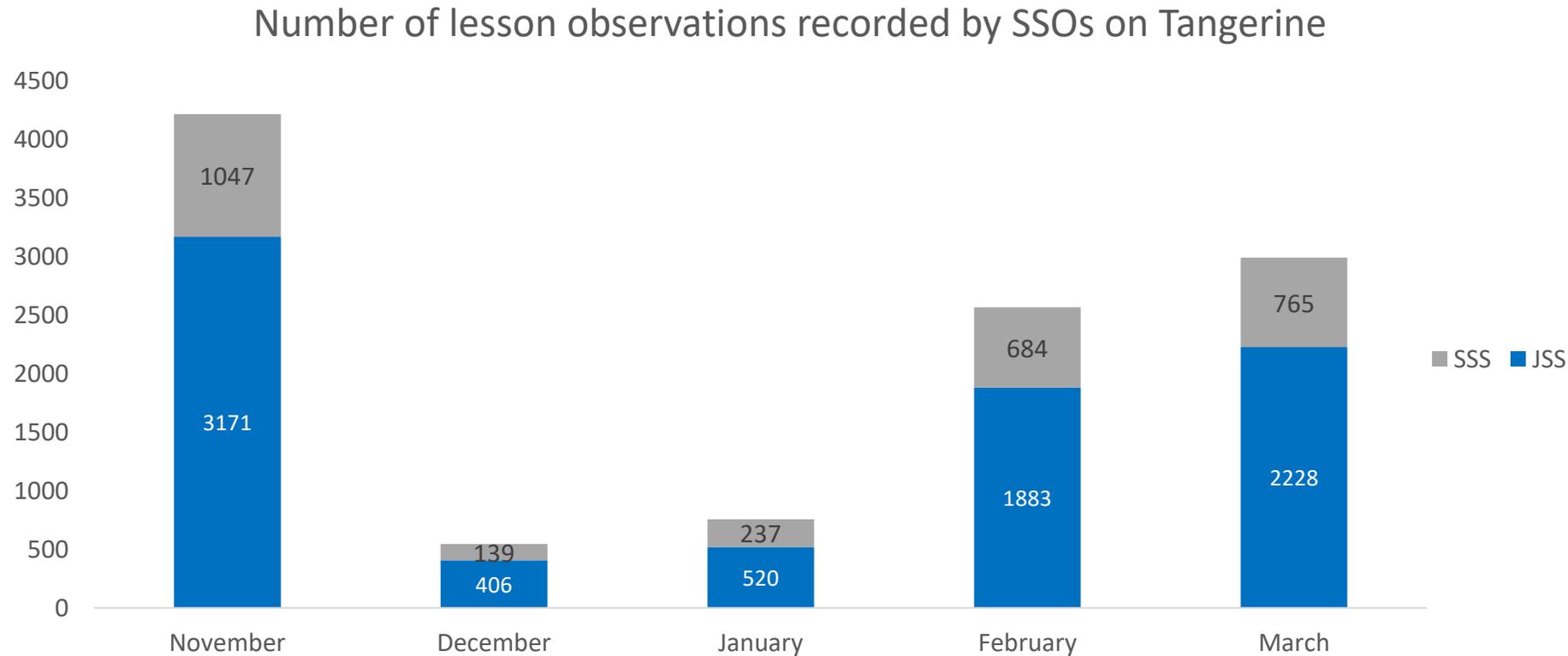


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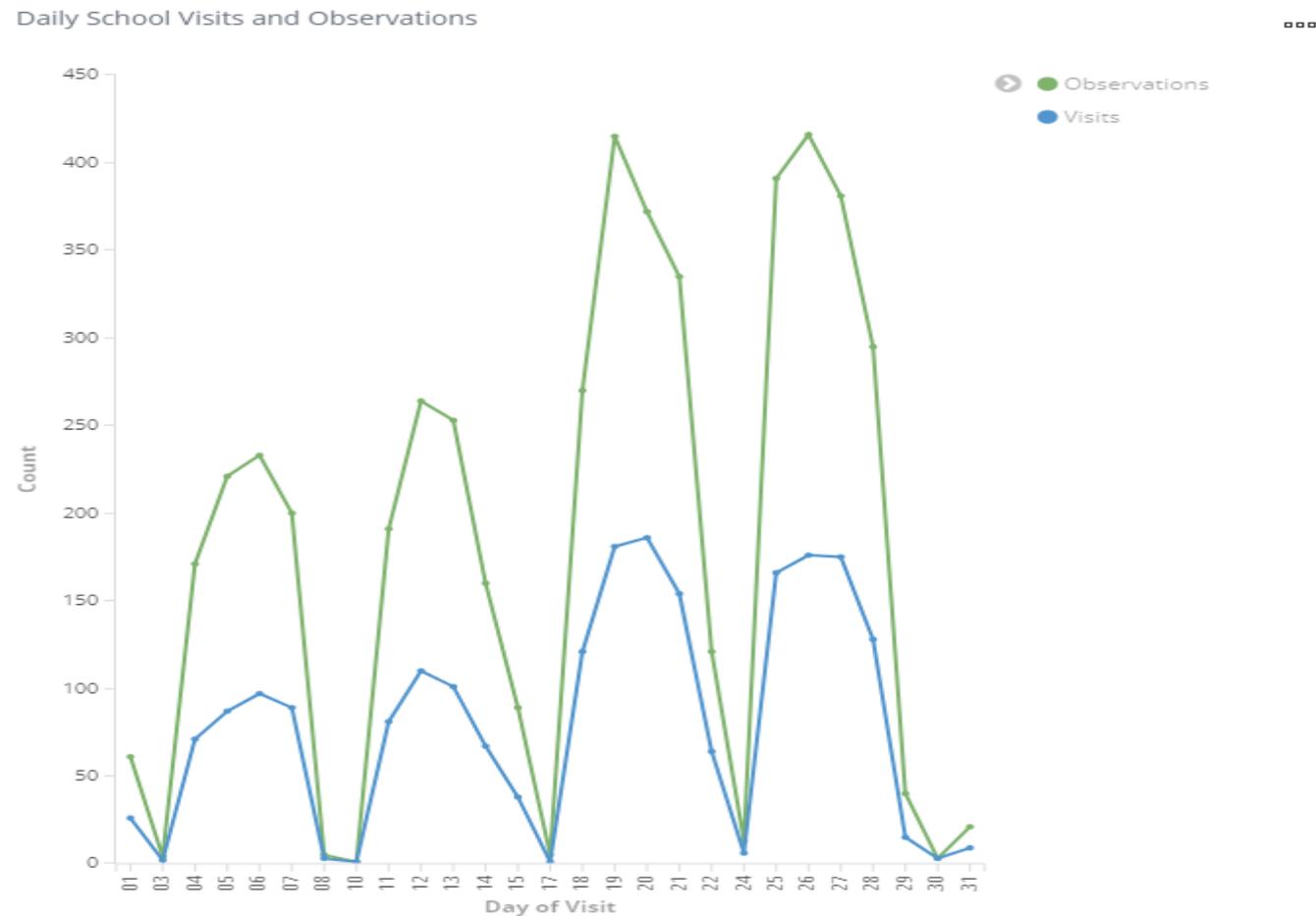
SSO classroom observations recorded on Tangerine, March

March saw the number of observations continue to grow but the numbers are still well short of November totals.



SSO classroom observations recorded on Tangerine, March

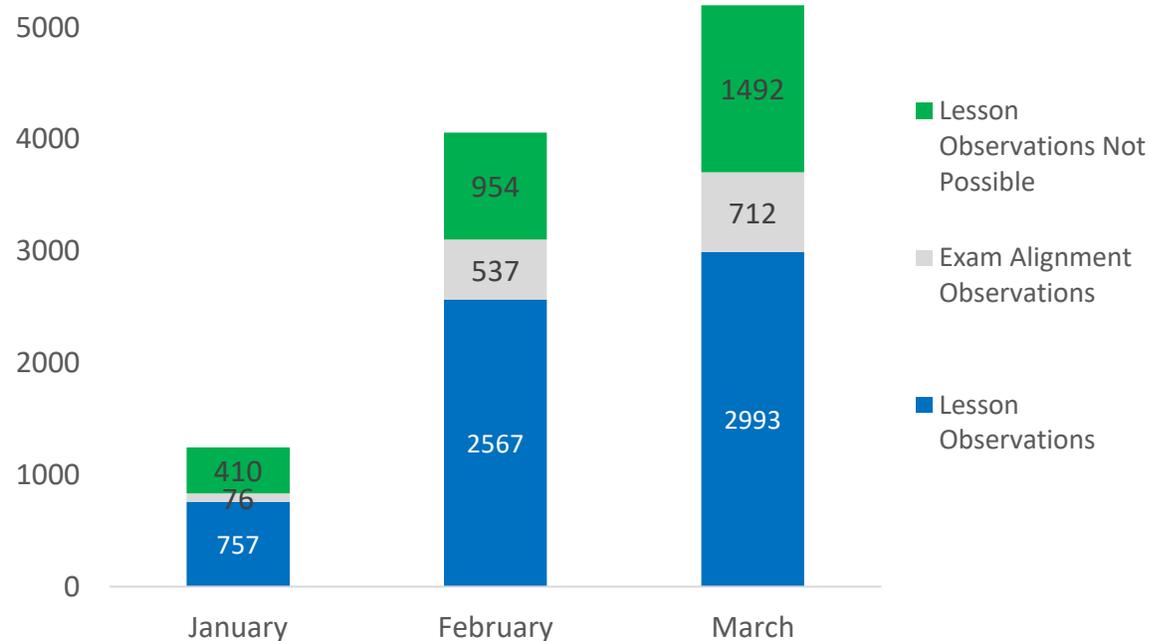
The final two weeks of the month saw observations (of all types) return to levels seen in October and November



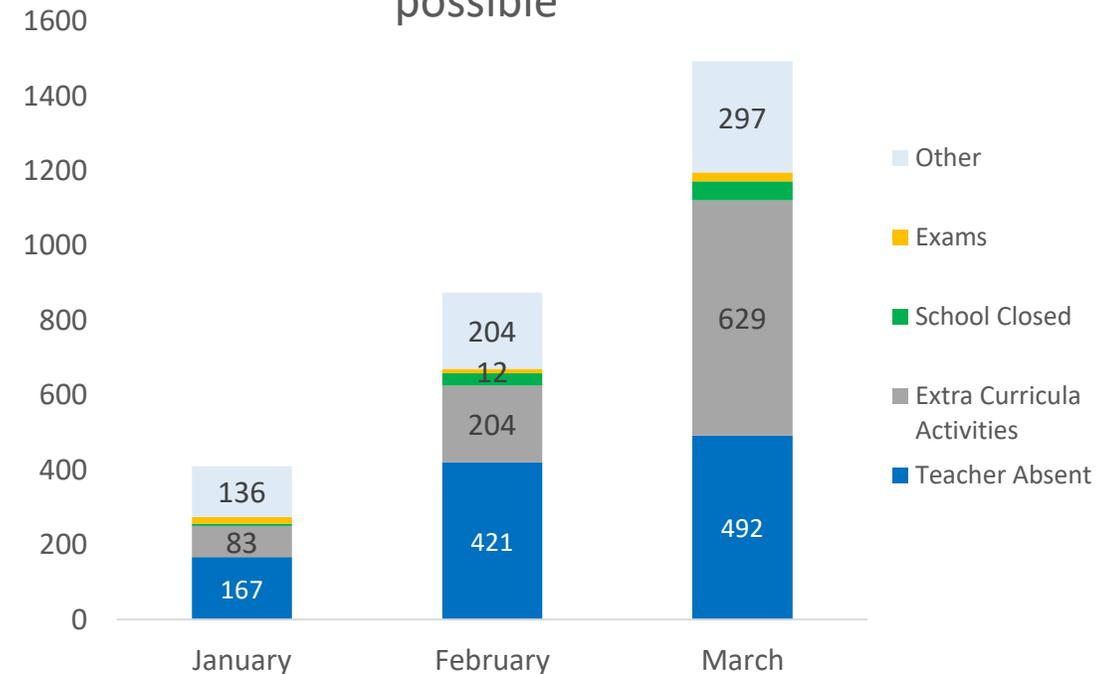
All SSO activity recorded on Tangerine, March

The number of recorded activity grew to over 5,000 submitted forms but almost 1,500 of these were planned observations that were unable to take place. Teacher absence and extra curricular activities were the major reasons for SSOs not being able to complete planned observations

Number of all types of observations recorded



Reasons for lesson observations not being possible



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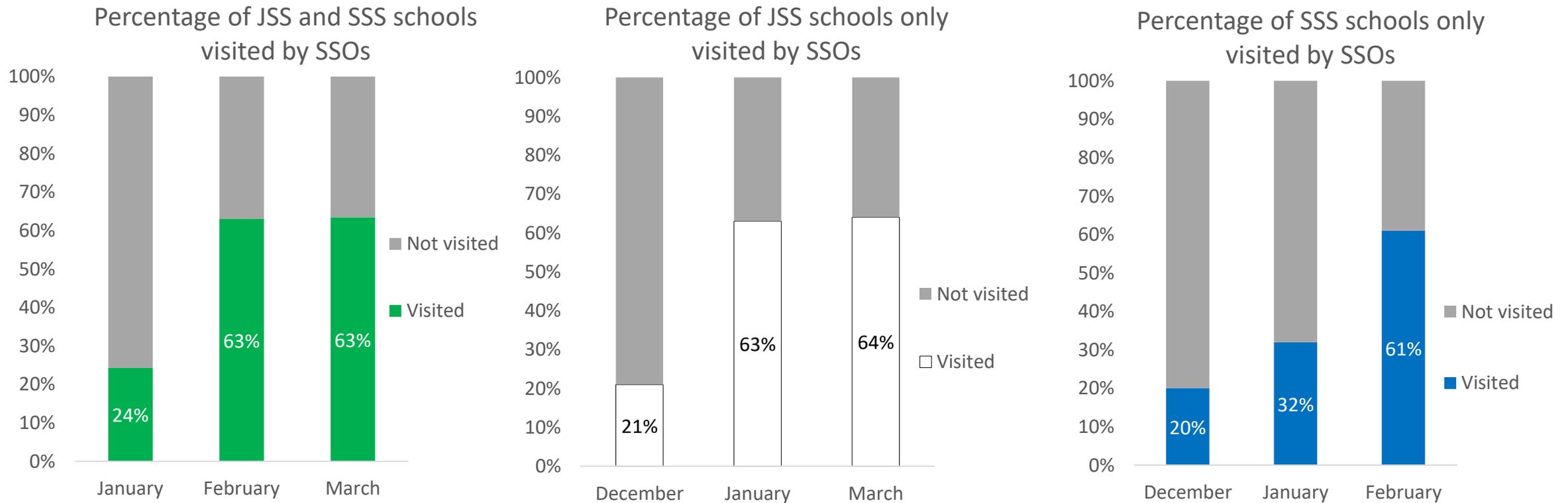
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Section 3 – SSO visits to schools



SSO visits to JS and SS Schools for Observations, March

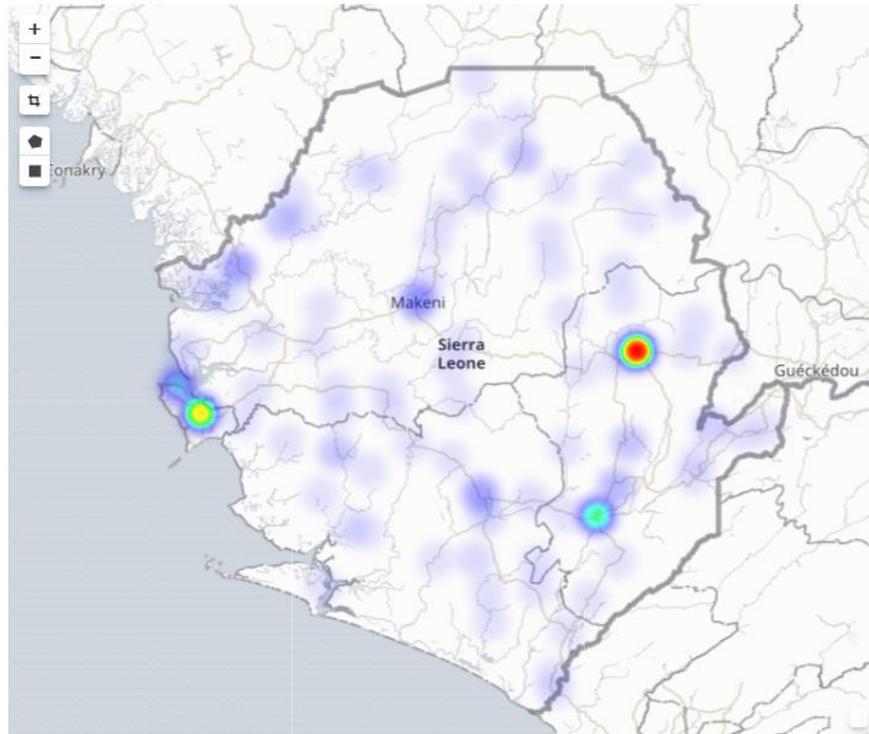
The number of schools visited for observations stayed at around two thirds of schools, but they are still not back to the levels of November, when 80% were observed.



Observation heat map

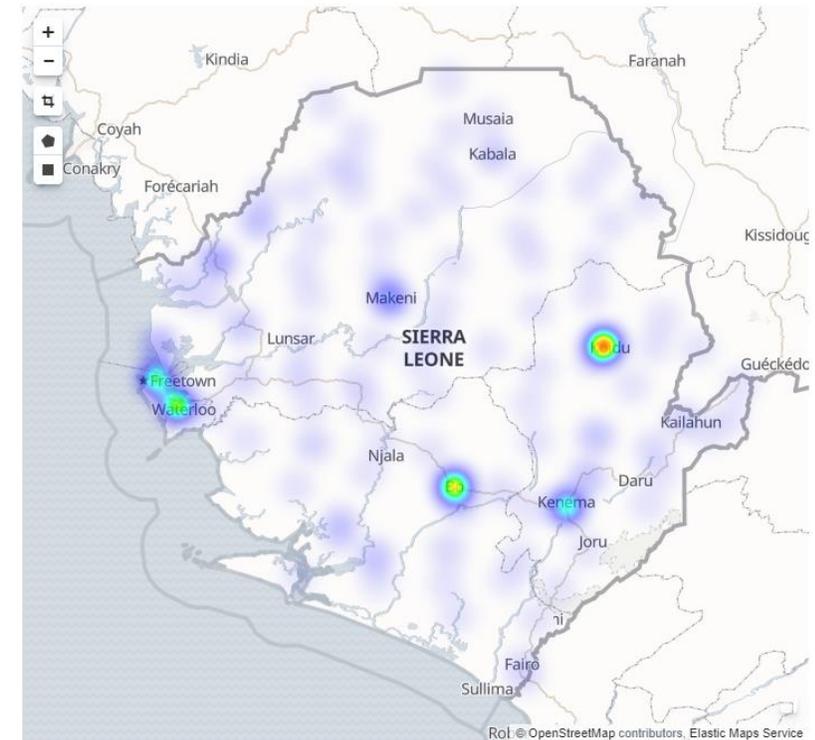
From the heat map it can be seen that SSOs were more active again with slightly more areas covered in March

Observation Heat Map



February

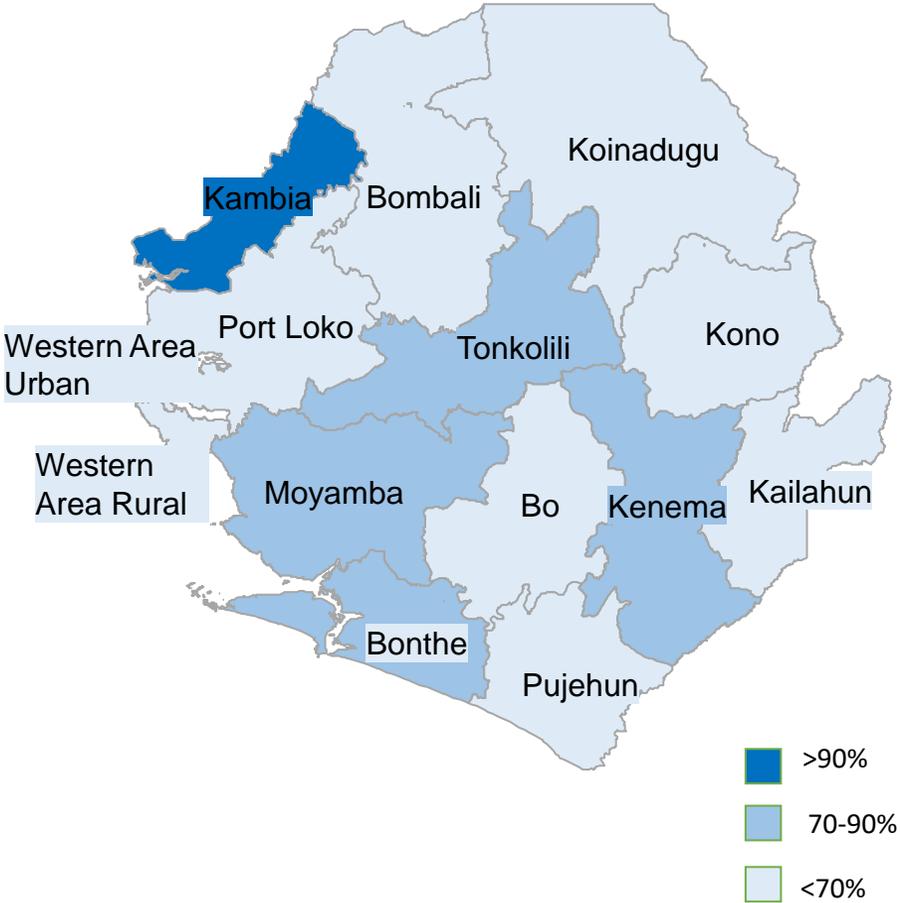
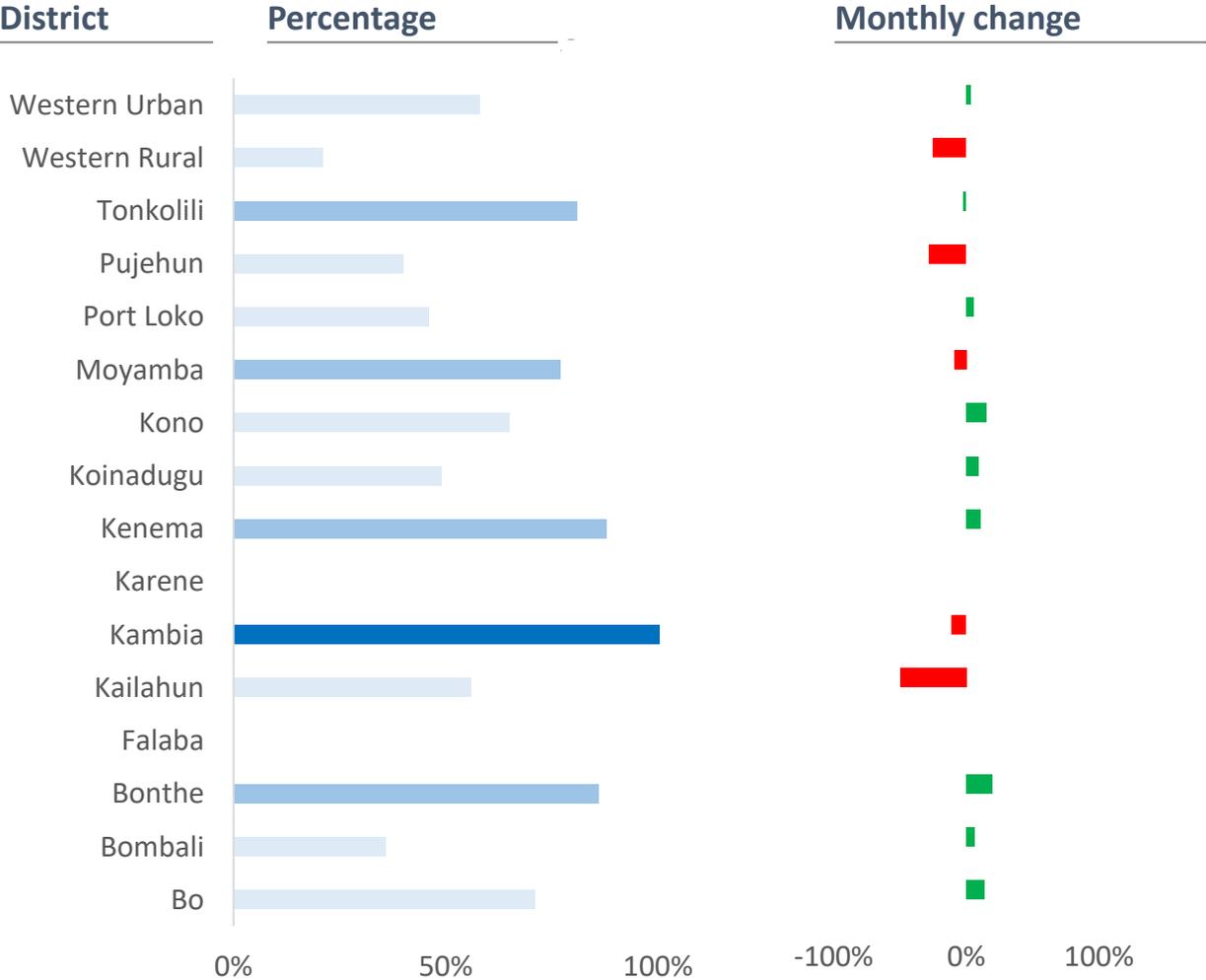
Observation Heat Map



March

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

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



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Section 4 – Supervisor visits to schools

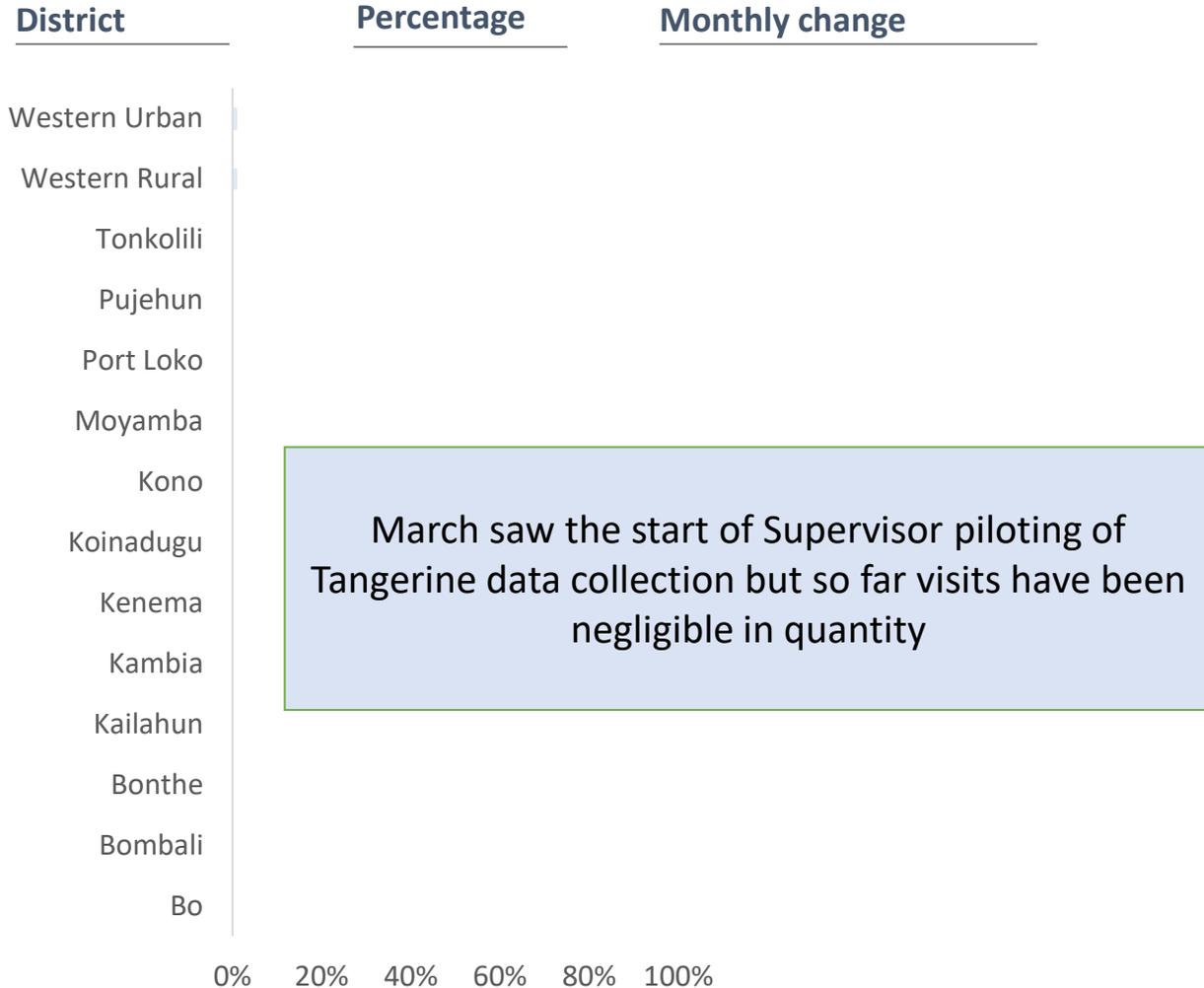


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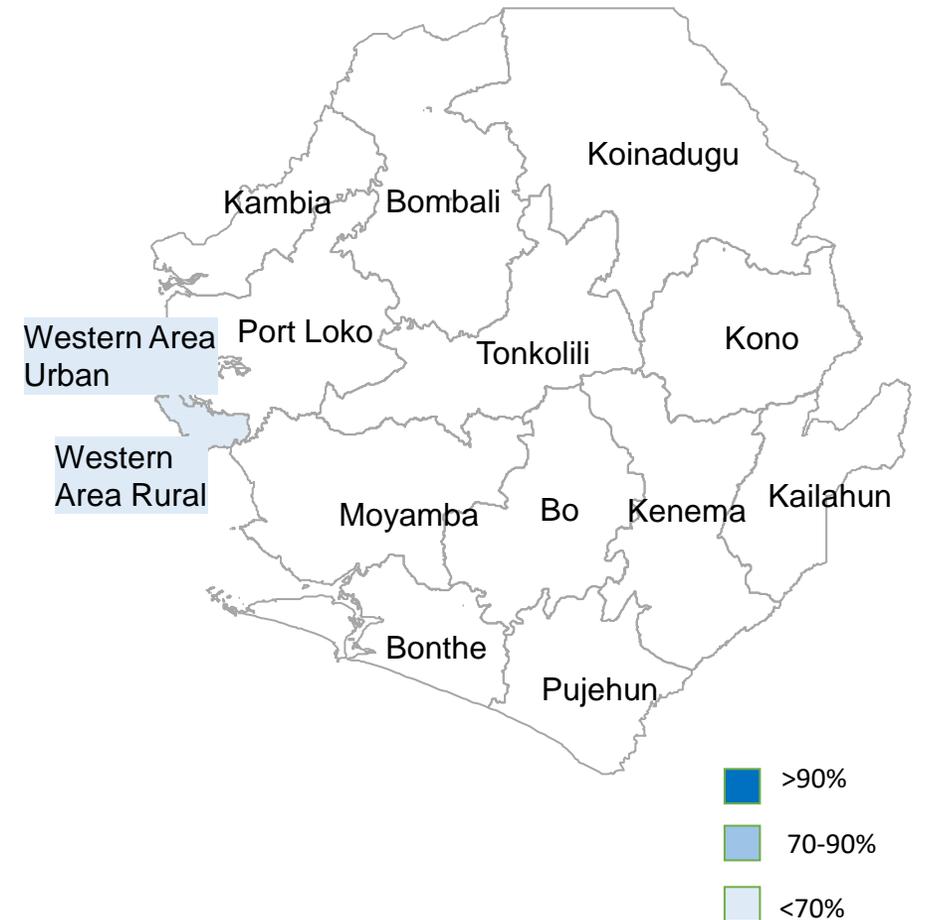


Percentage of JSS schools visited by supervisors, by District, for March

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



March saw the start of Supervisor piloting of Tangerine data collection but so far visits have been negligible in quantity



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Section 5 – SSO observation of teachers



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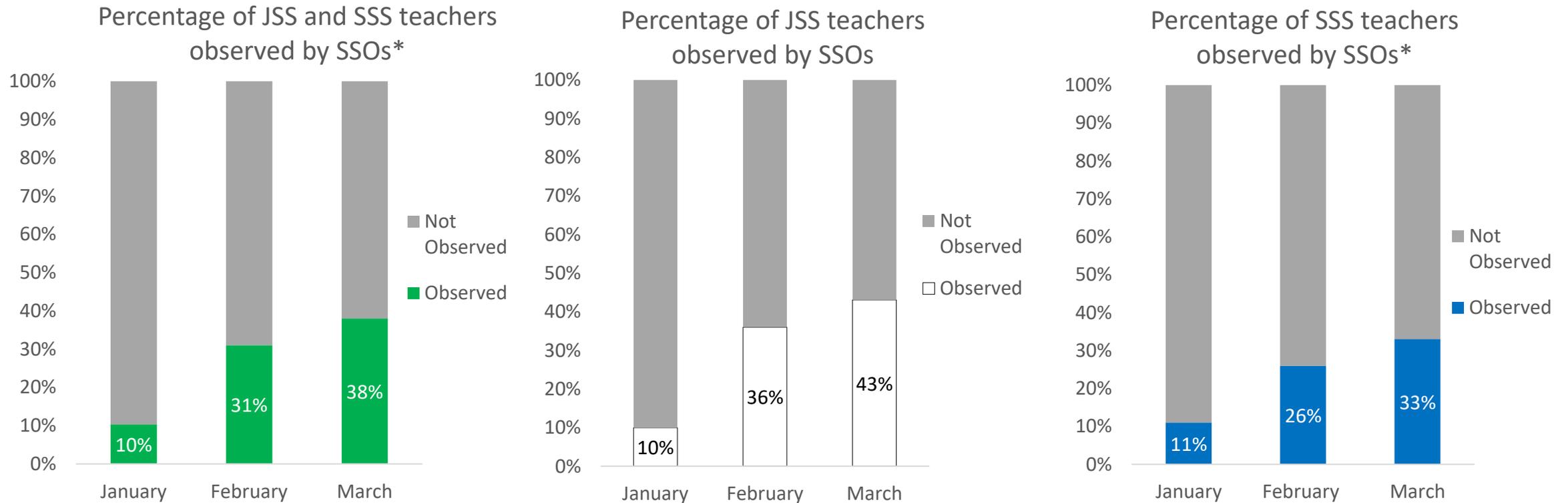


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Proportion of JSS and SSS English and Maths teachers observed by SSOs, for March

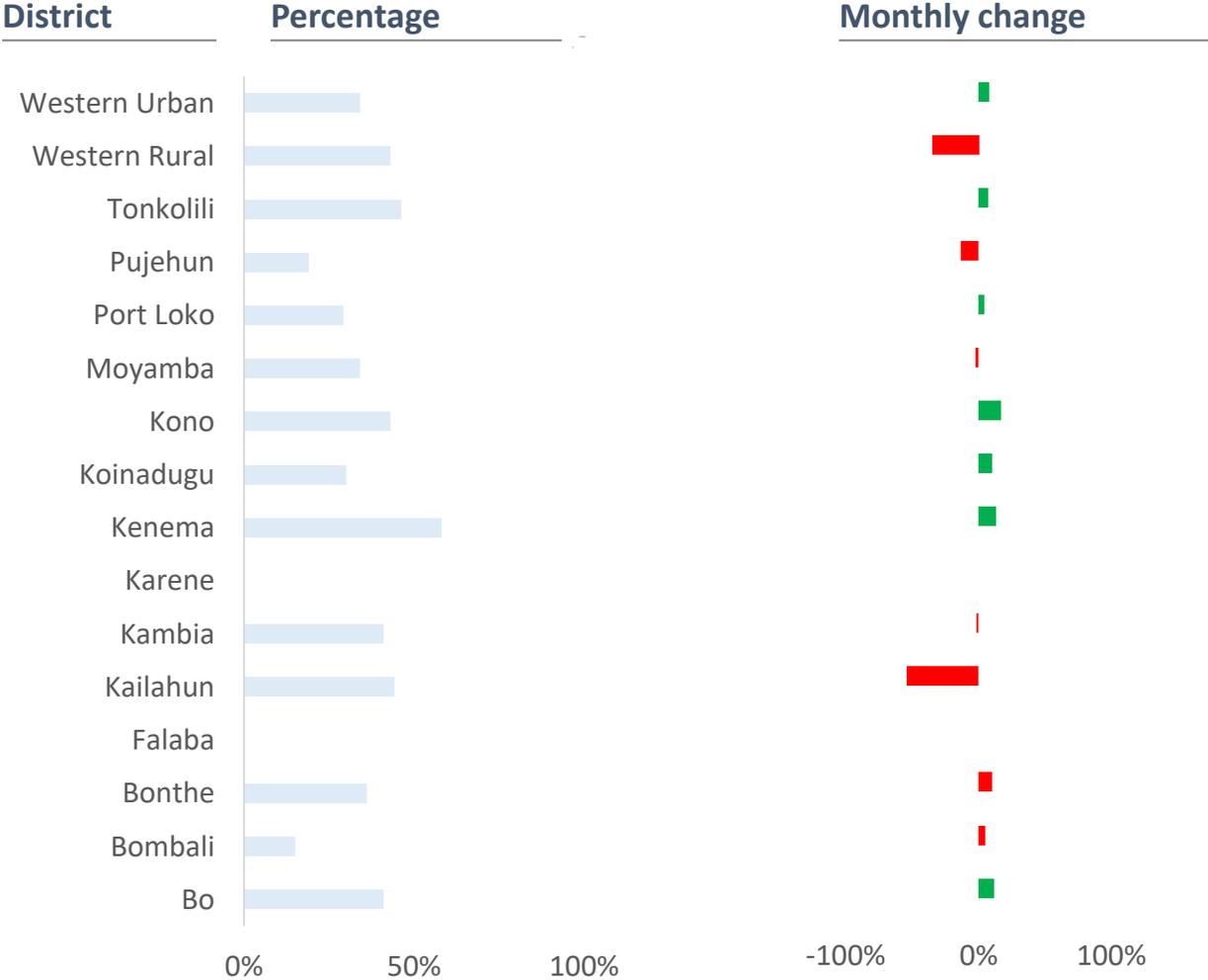
The proportion of teachers observed each month continues to rise but still accounts for less than four in ten of the workforce.



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

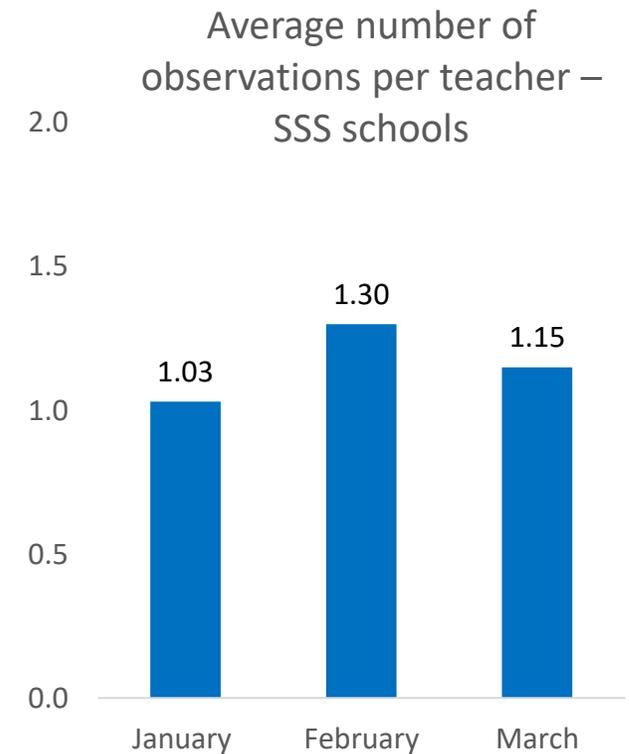
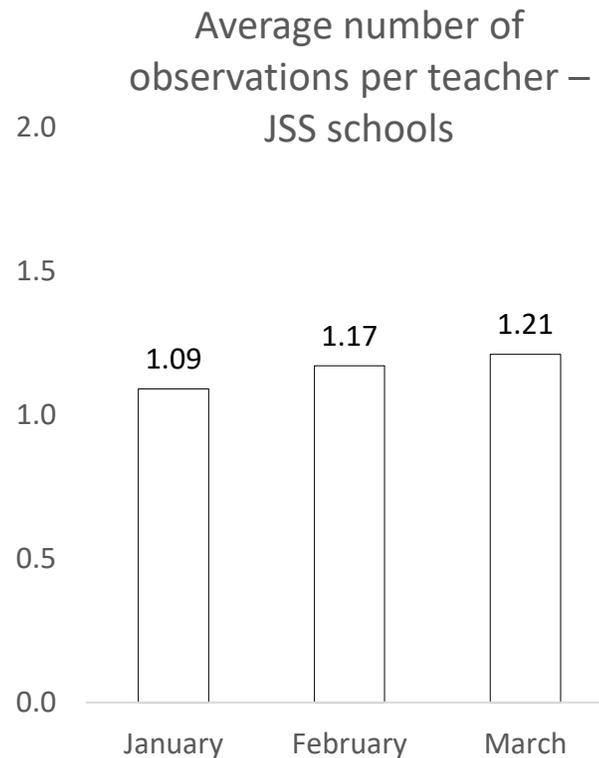
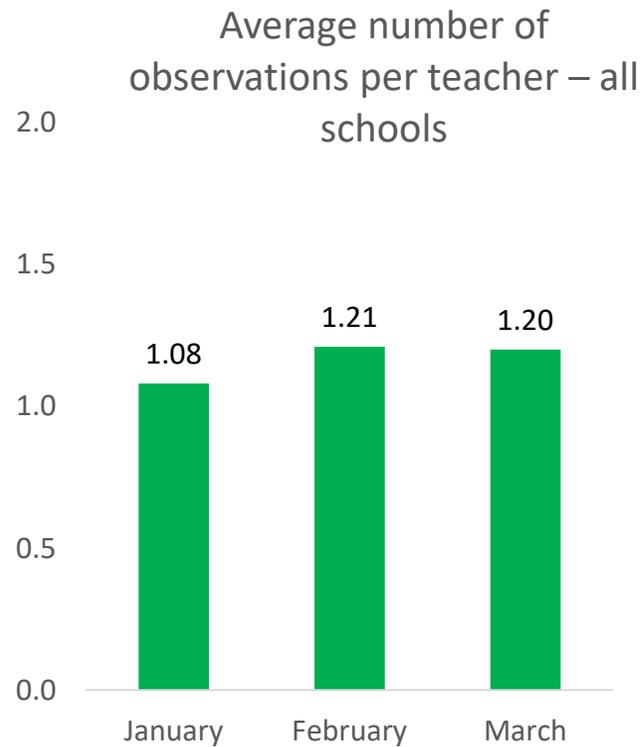
Percentage of JSS English and Maths teachers observed, by district in March

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



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

In March, the number of observations per teacher observed remained fairly steady, 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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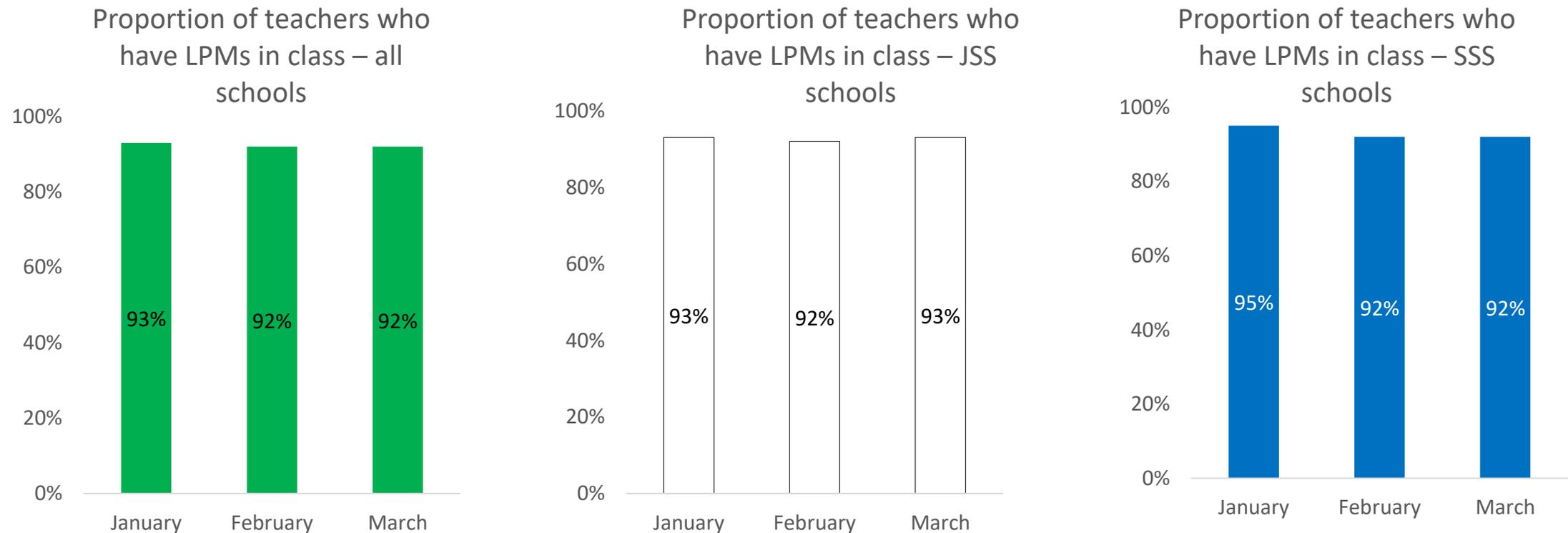


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Proportion of teachers that have LPMs in the class during observation, for March

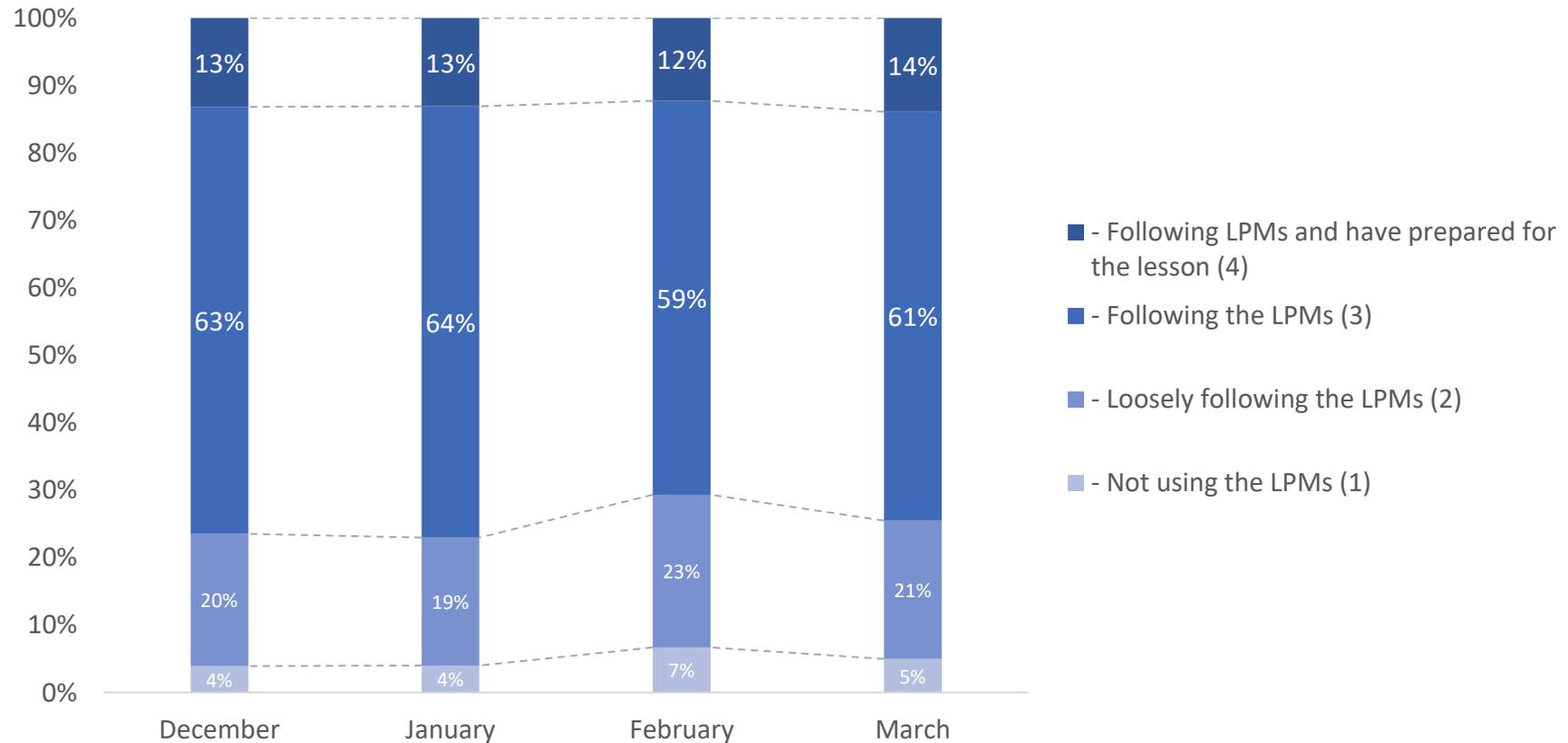
The use of LPMs in class remains high, with them being observed as present in over 90% of lessons on a regular basis.



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

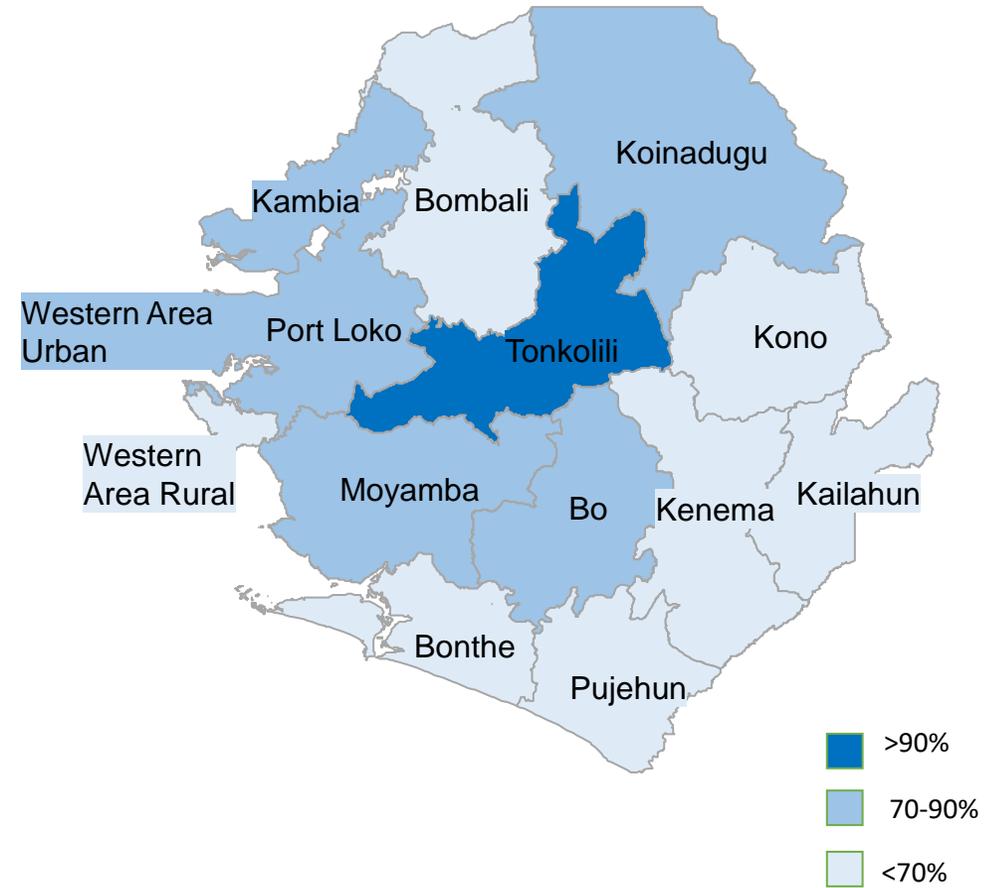
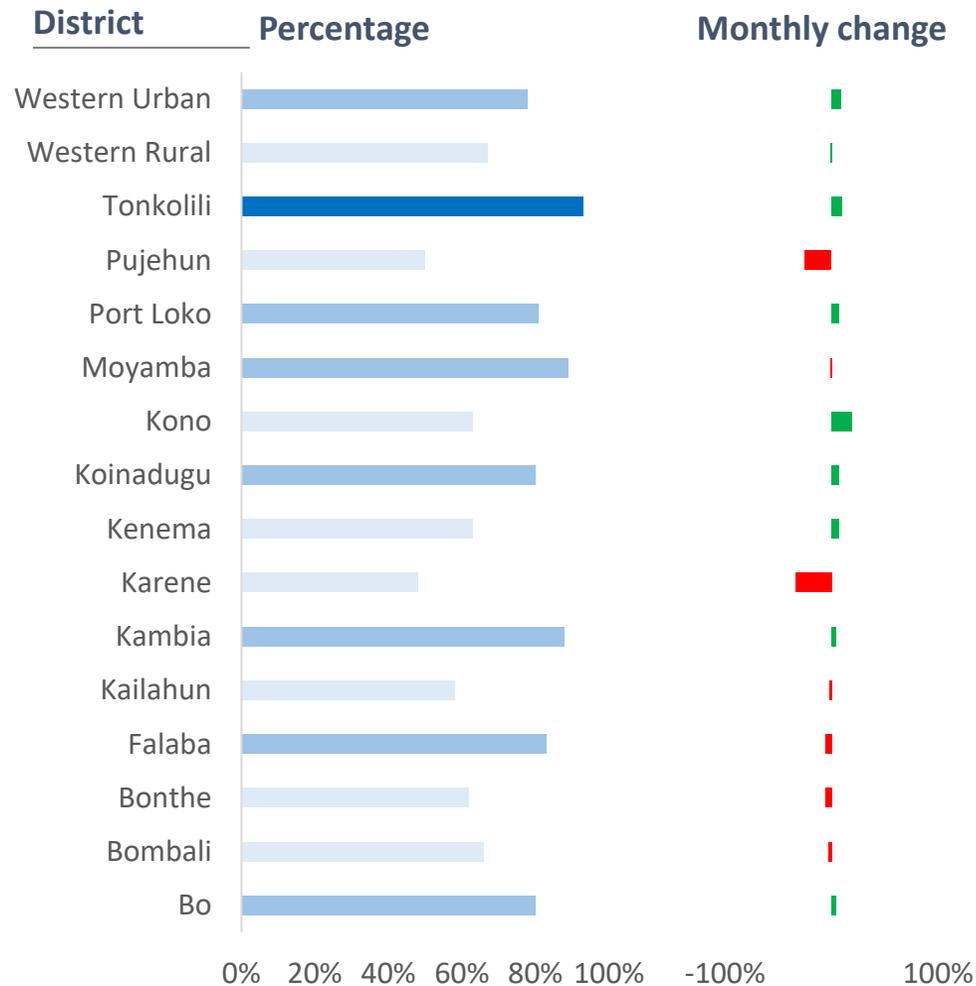
The quality of lesson plan use has remained relatively static in recent months with about 25% of observations below the target level. The reasons for this are unclear and need more in depth investigation.

Lesson Plan Use based on SSO Observation Scores



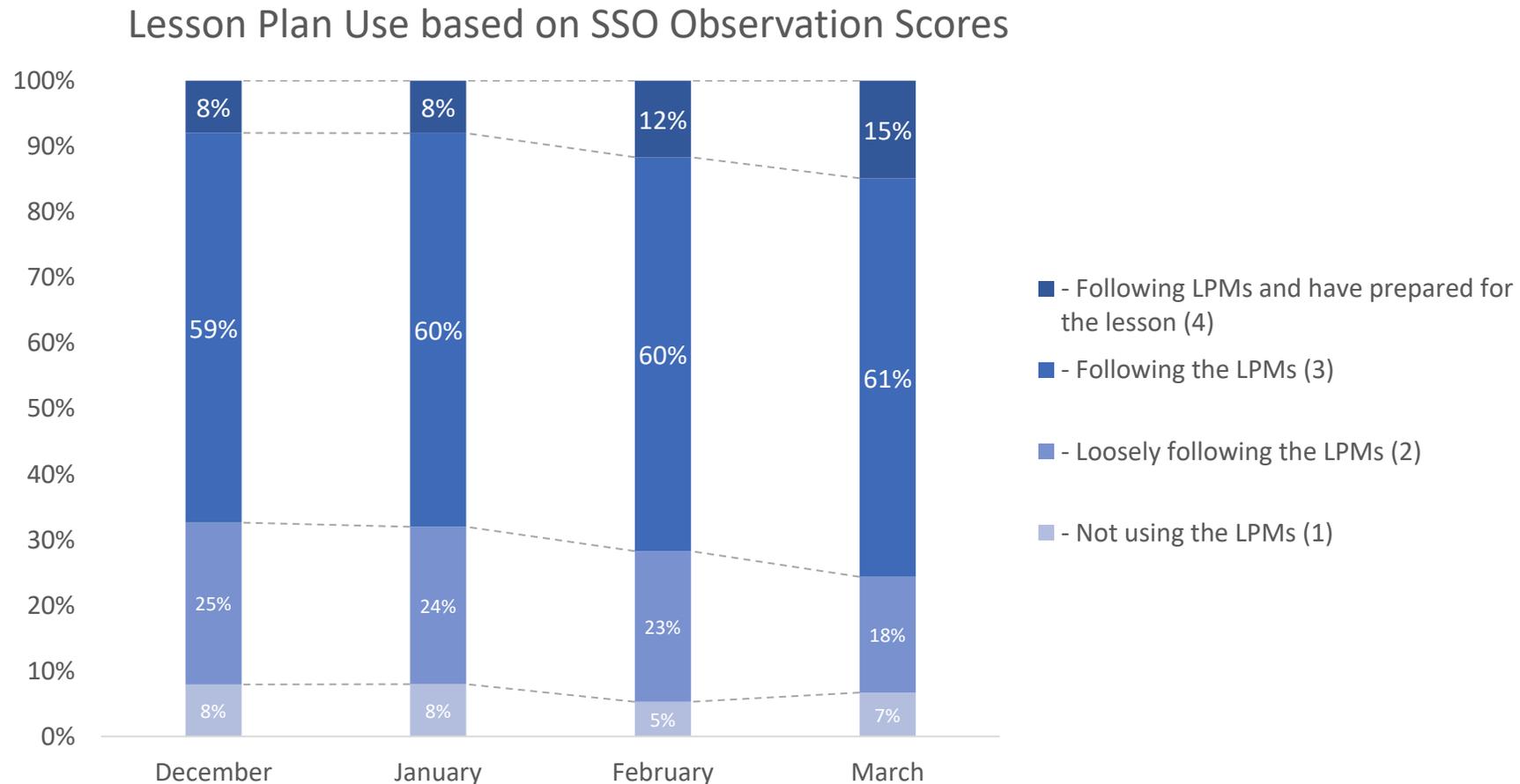
Percentage of lessons scoring 3 or 4 for LPM use, by District, for March, JSS

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



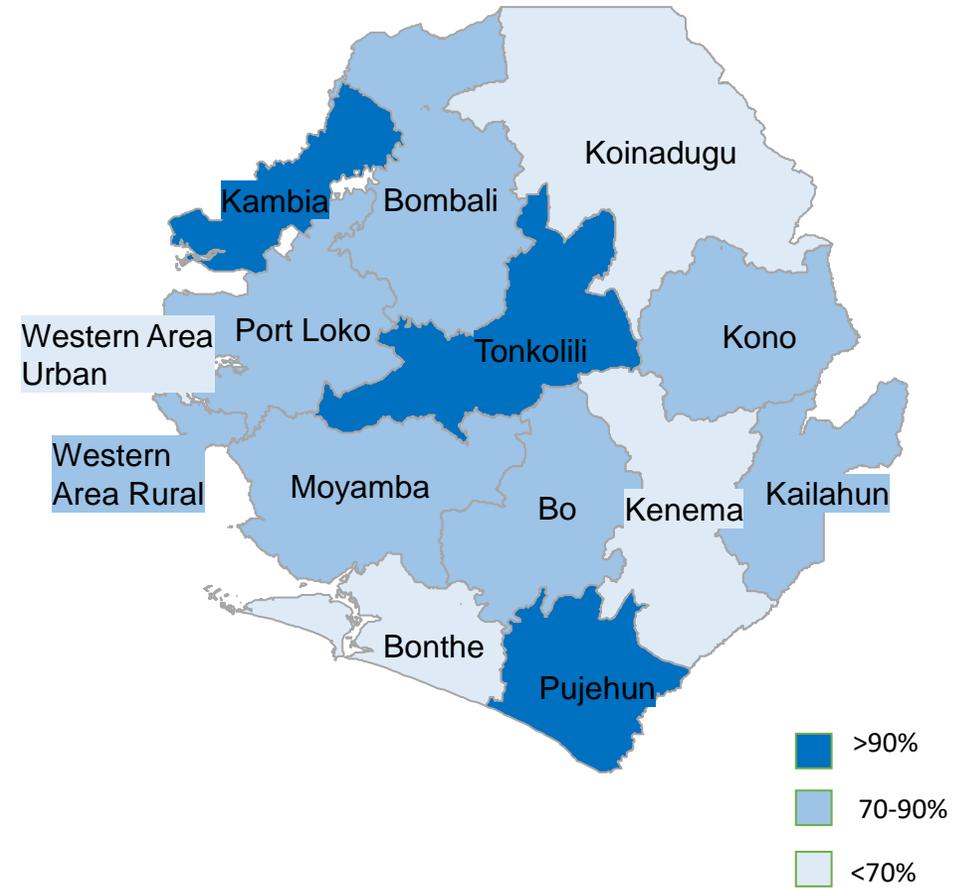
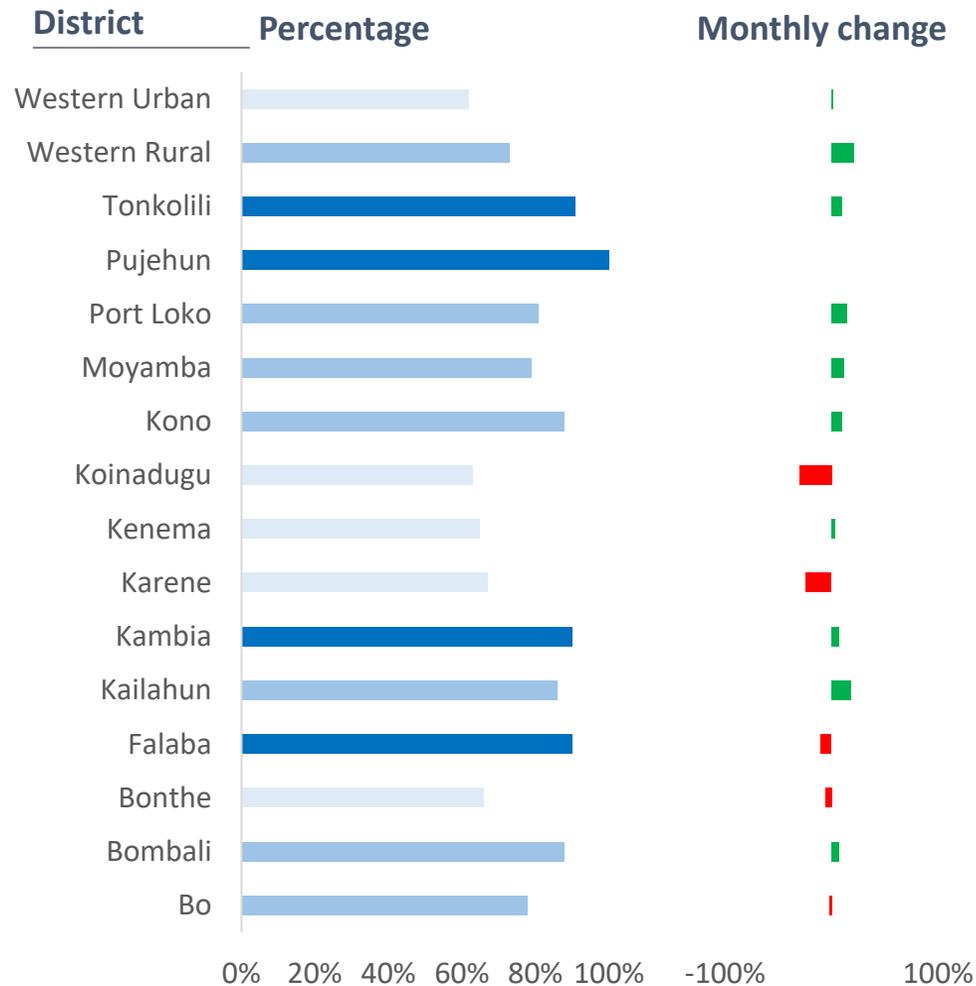
Observation scoring of lesson plan use by SSS English and Math teachers, for March

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 more encouragement here.



Percentage of lessons scoring 3 or 4 for LPM use, by District, for March, SSS

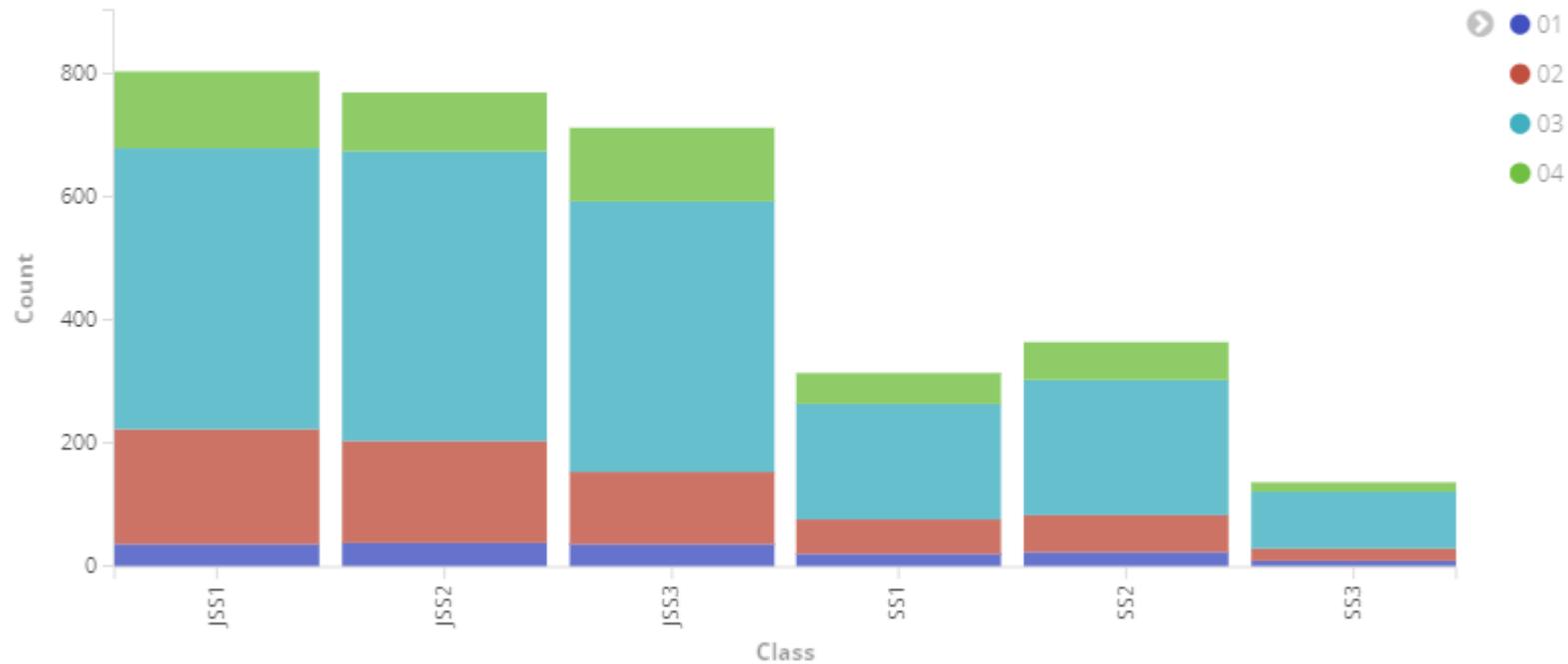
% of lesson observations scoring 3 or 4 for lesson plan use (top two ratings), by district



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 March

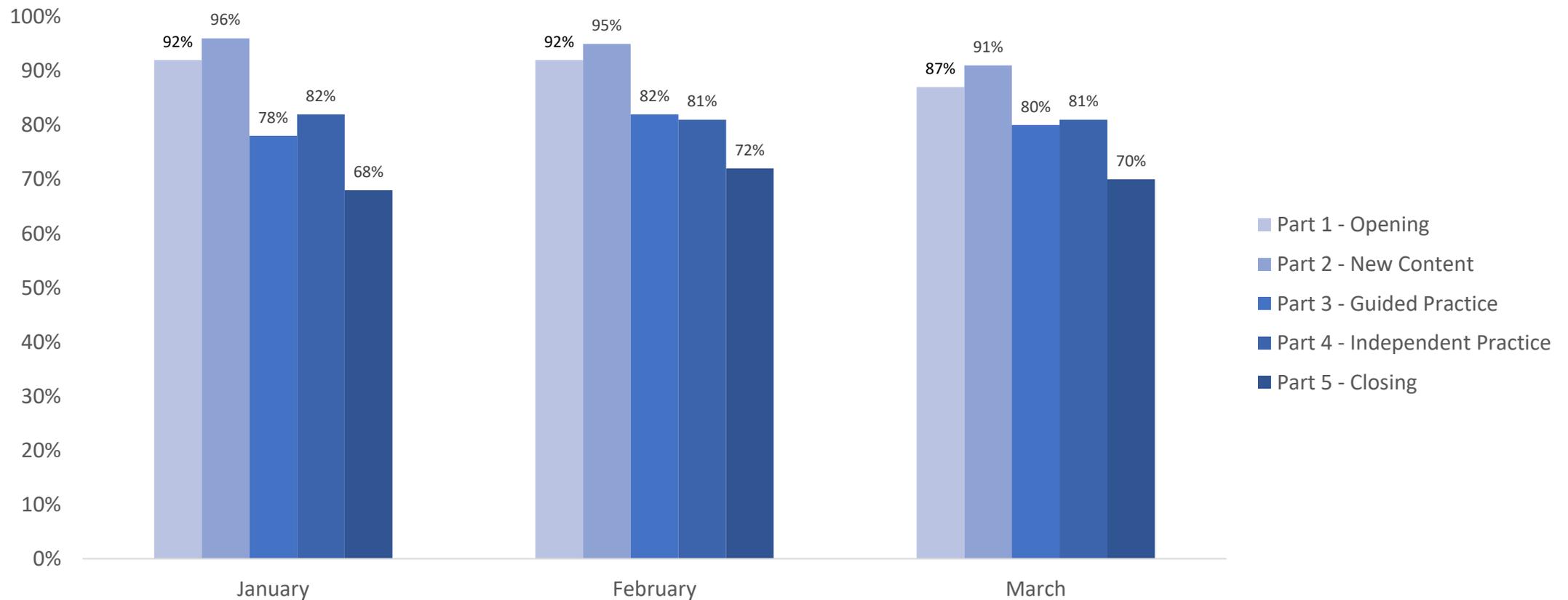
Follow Lesson Plan Manual - By Class



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

Use of the parts of the lesson plan seem generally constant, with much room for improvement

Implementation of Parts of Lesson Plans in all JSS observations



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Section 6 – Materials in classroom



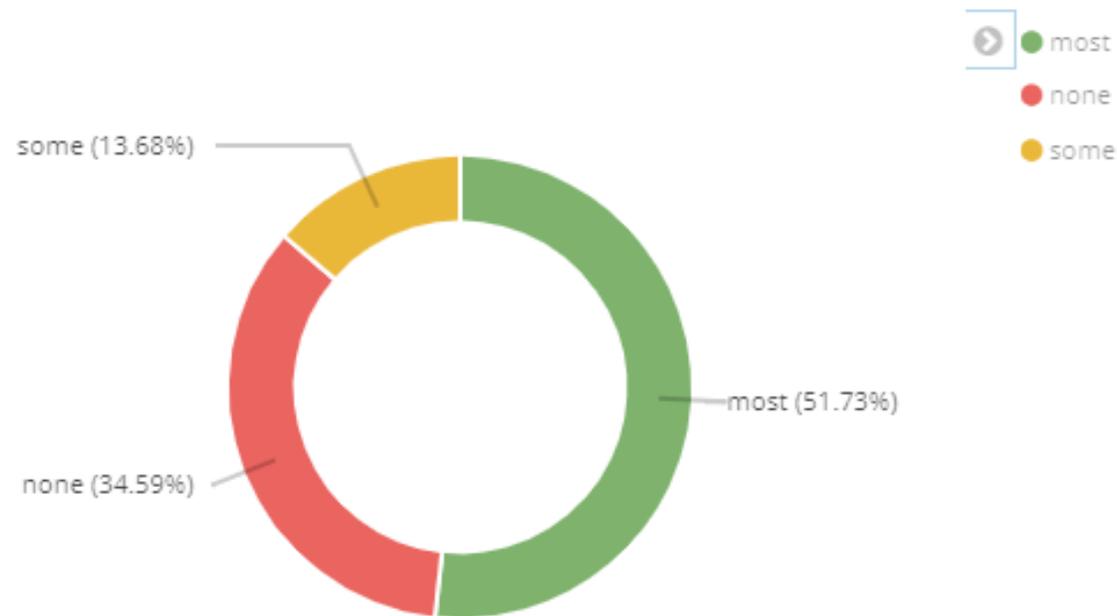
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Proportion of pupils who have Pupil Handbooks in observed lessons, March

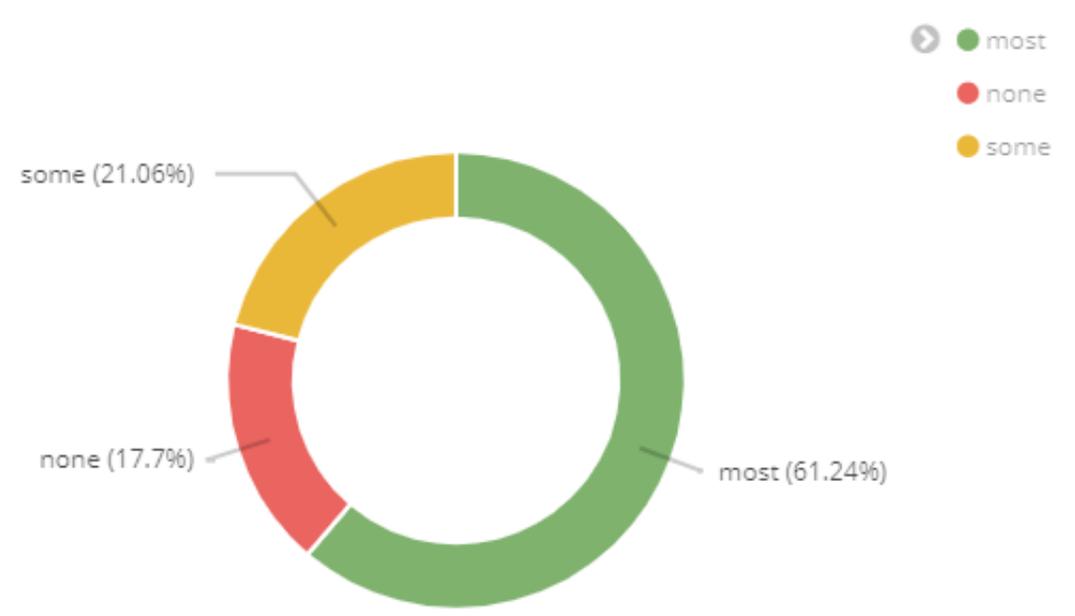
Strong progress in March saw over 60% of classrooms with most pupils having Pupil Handbooks and less than 20% of classrooms without any

Pupil Handbook Presence



February

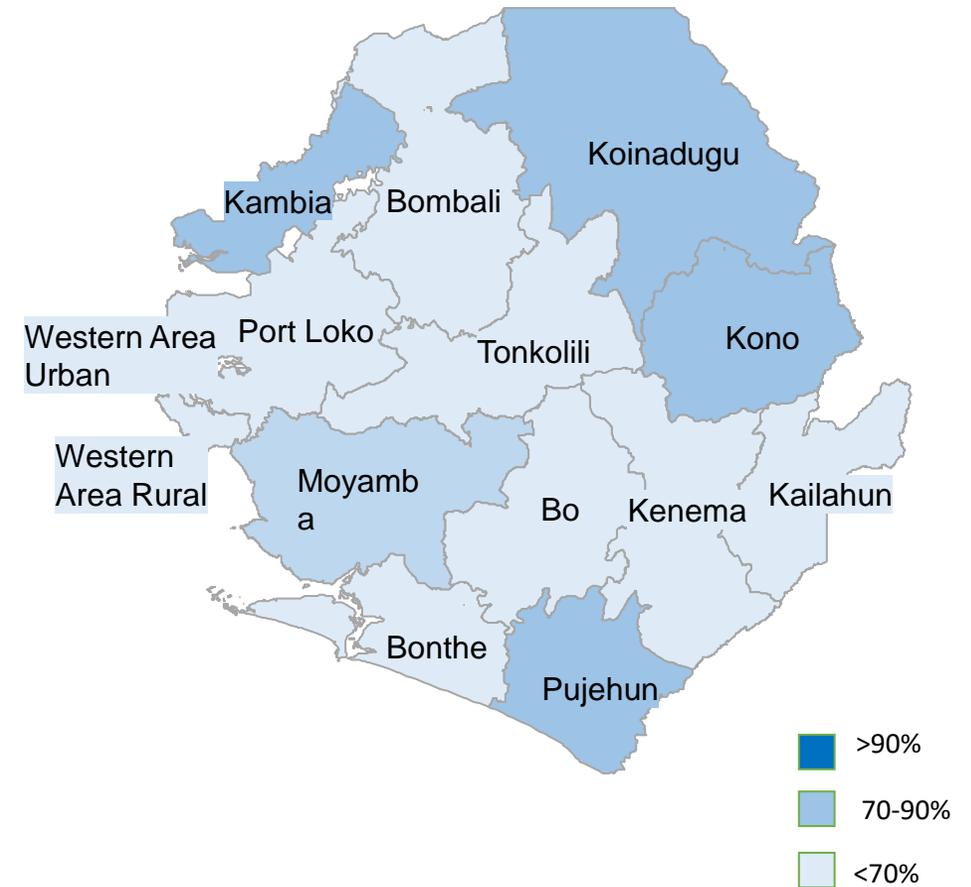
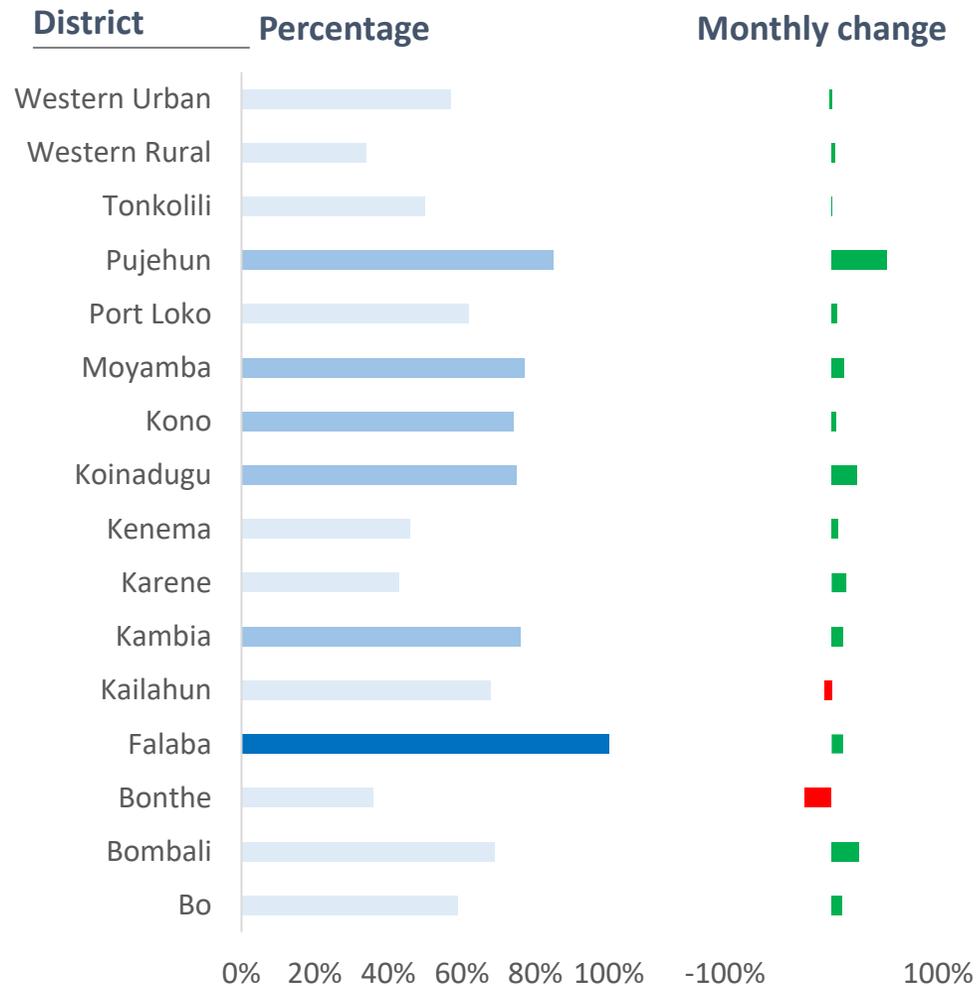
Pupil Handbook Presence



March

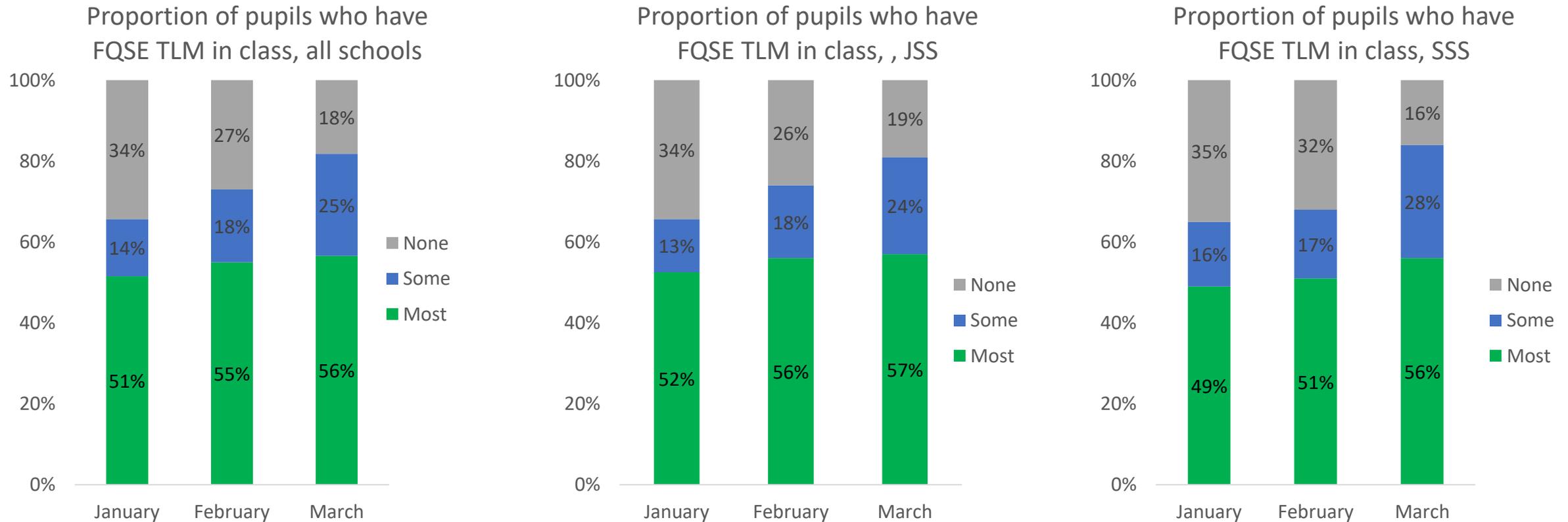
Proportion of Classrooms where 'most' pupils have pupil handbooks in class, for March

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



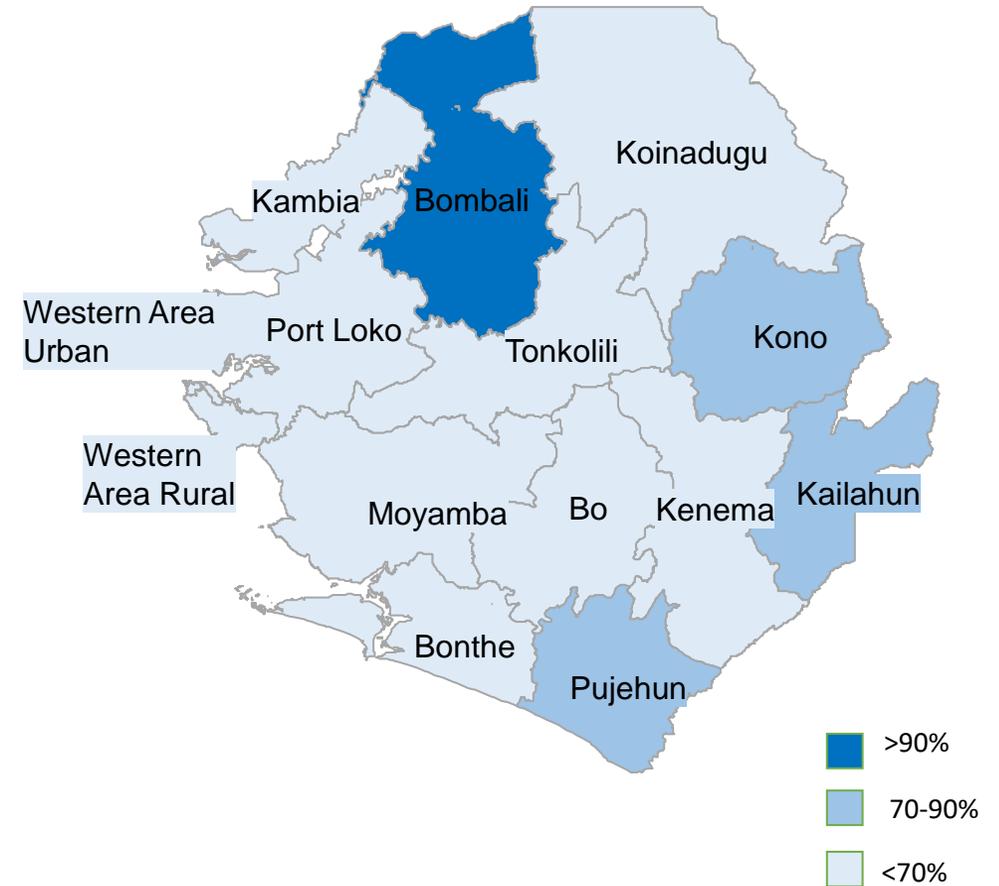
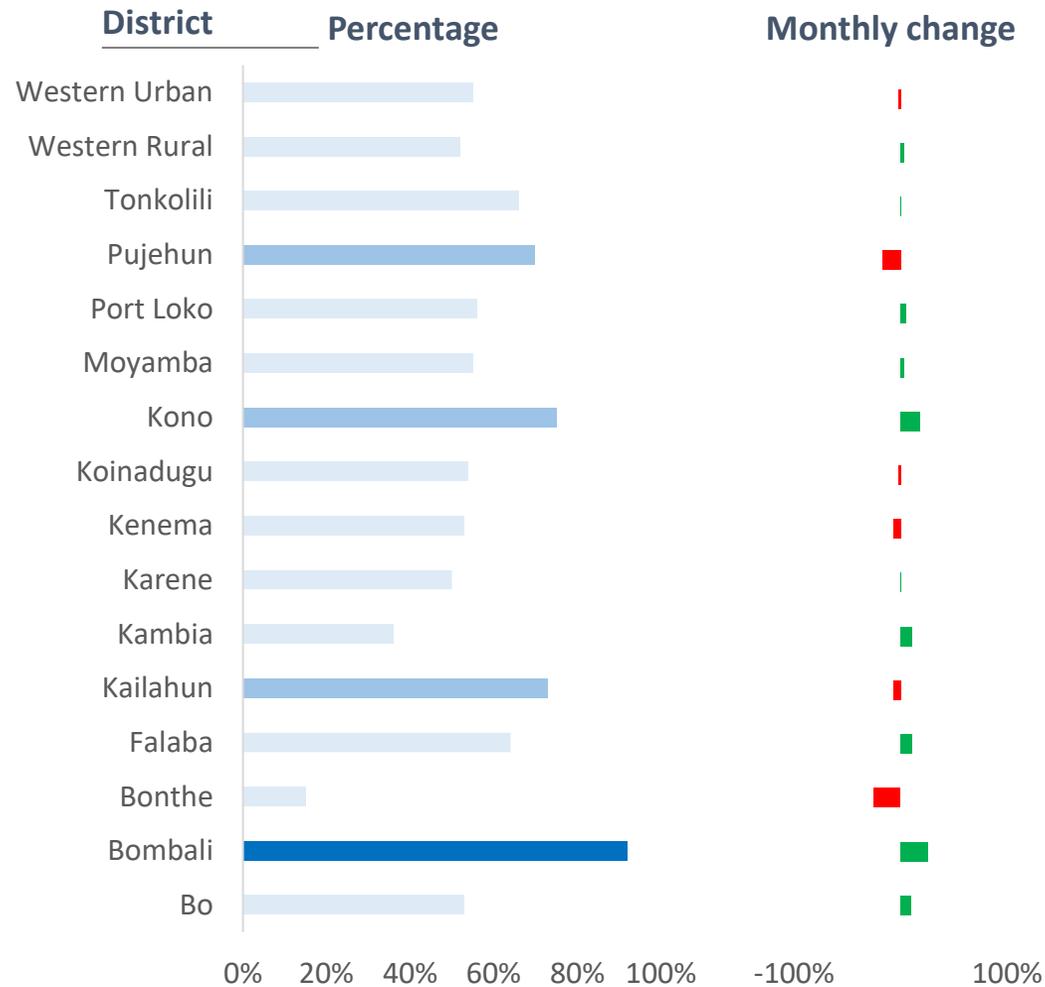
Proportion of pupils who have FQSE teaching and learning materials in class, for March

The proportion of pupils with FQSE teaching and learning materials in class increased notably in March with fewer than 20% of classrooms not seeing them present at all



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

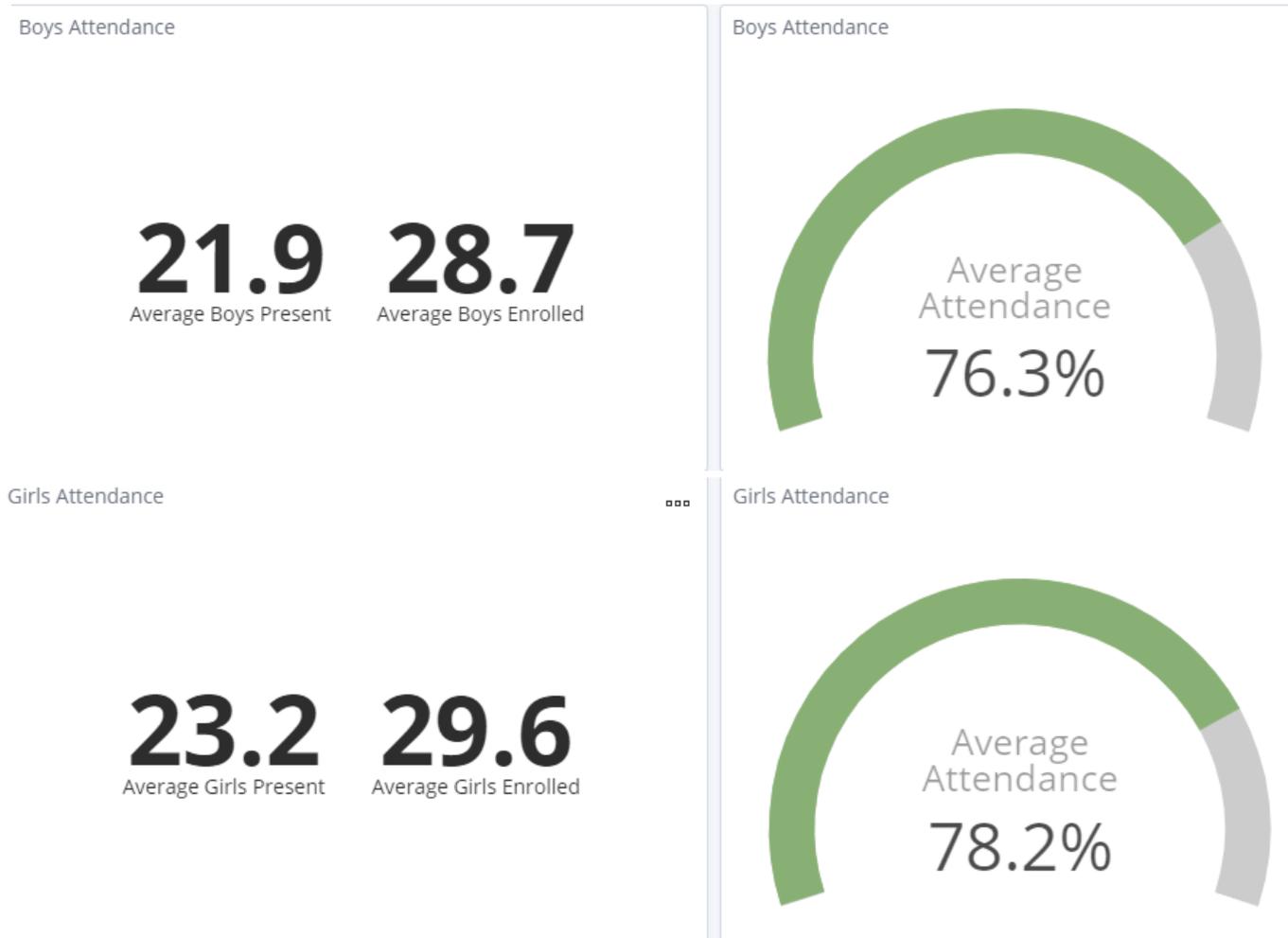


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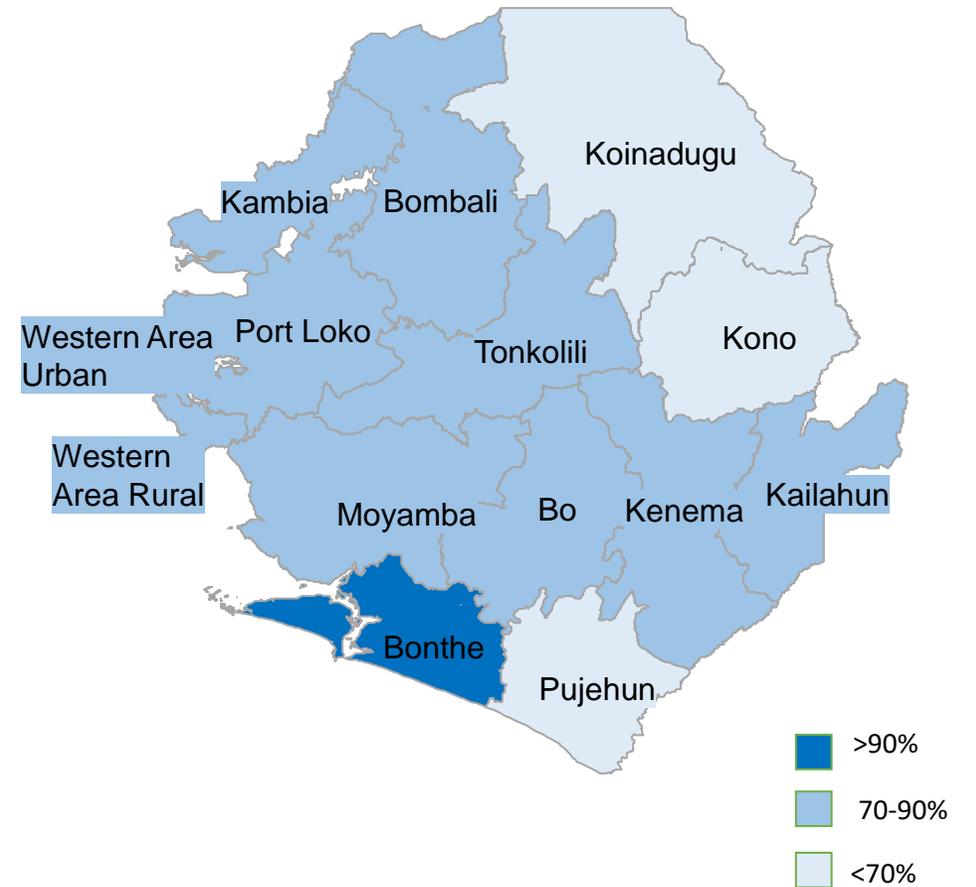
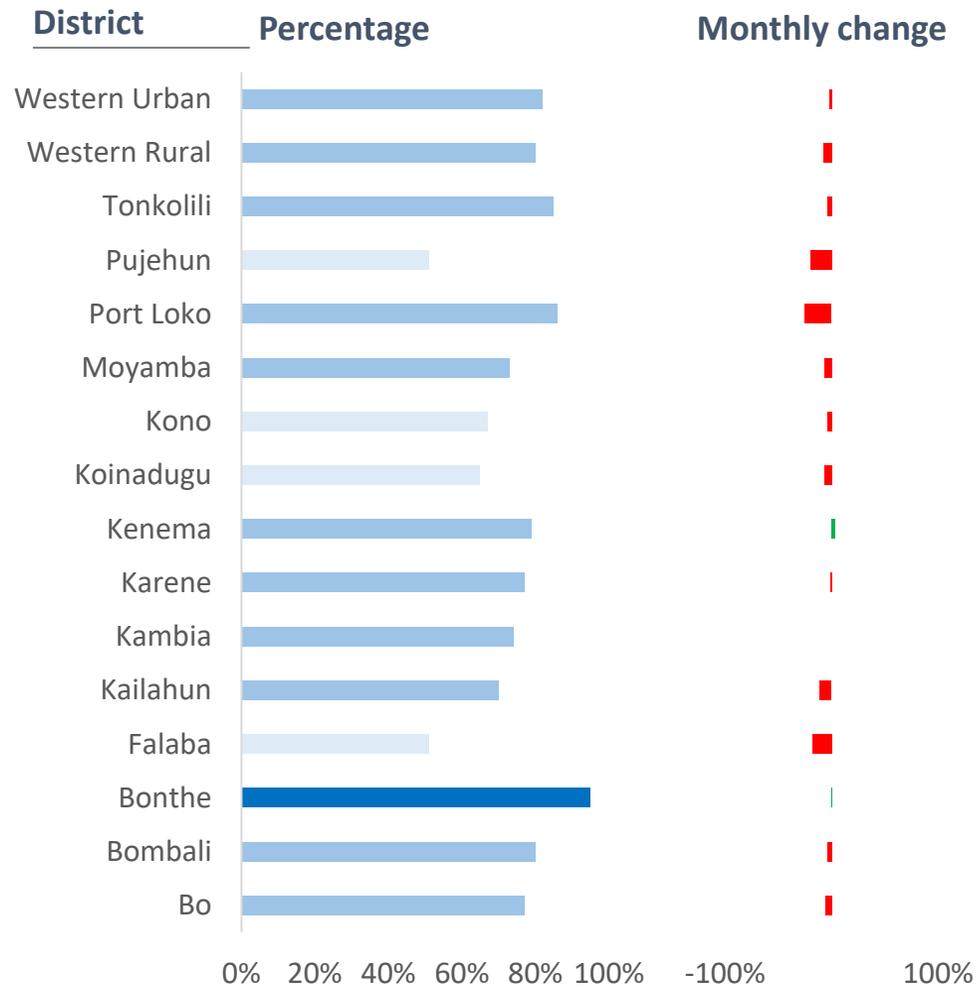
Average combined JSS and SSS classroom attendance, disaggregated by sex for March

Attendance dropped by a few percentage points for both boys and girls in March compared to February but female attendance rates remain higher



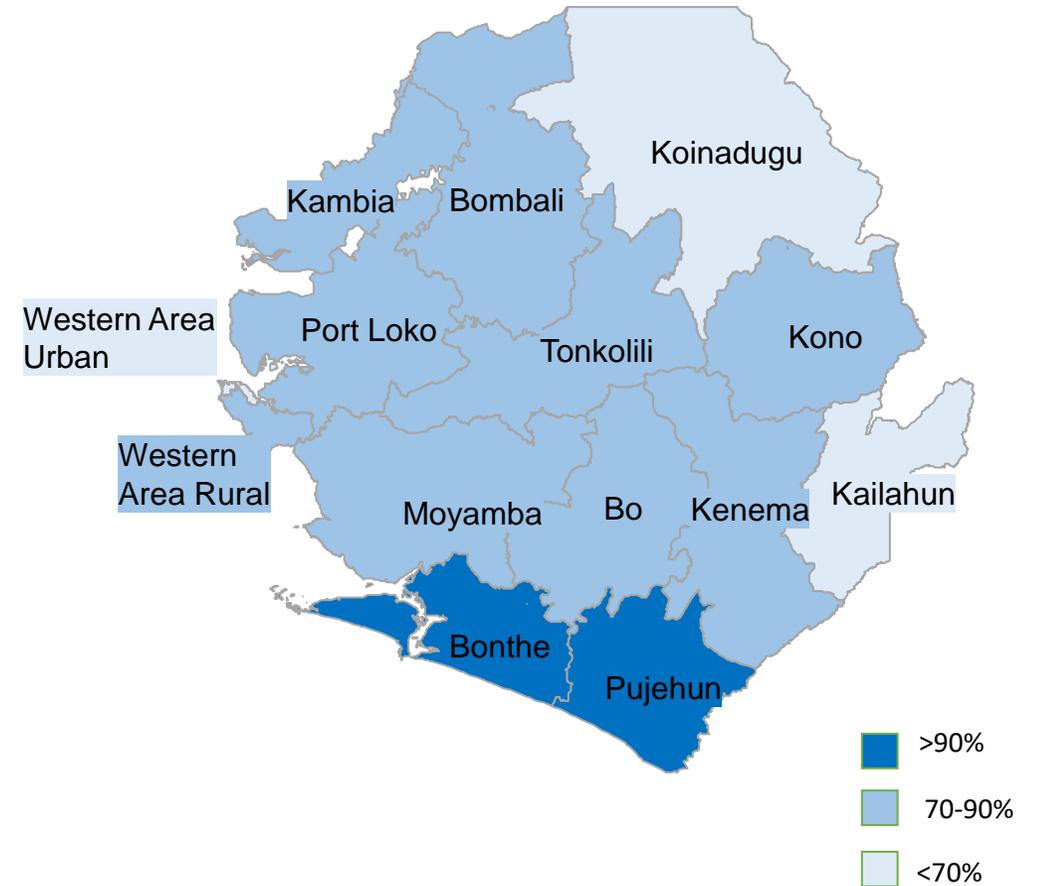
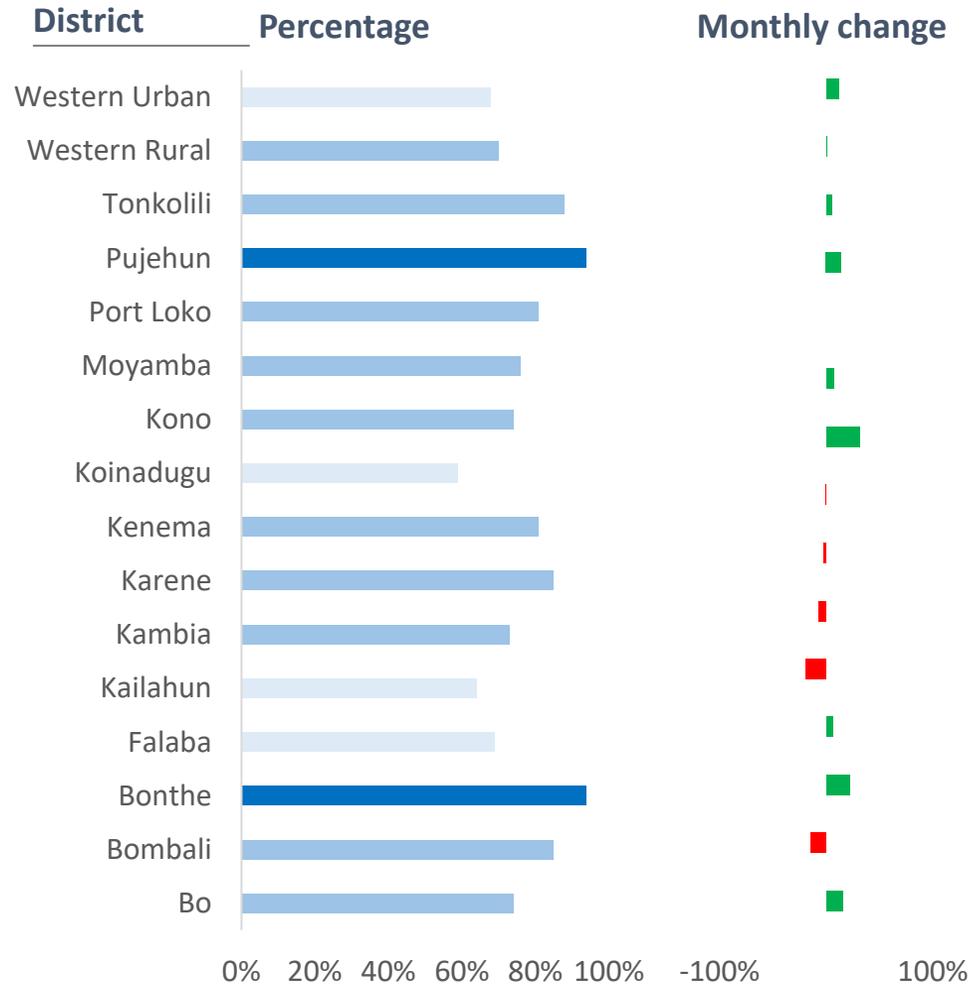
Average attendance in JSS Classrooms, both sexes by district in March

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



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

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



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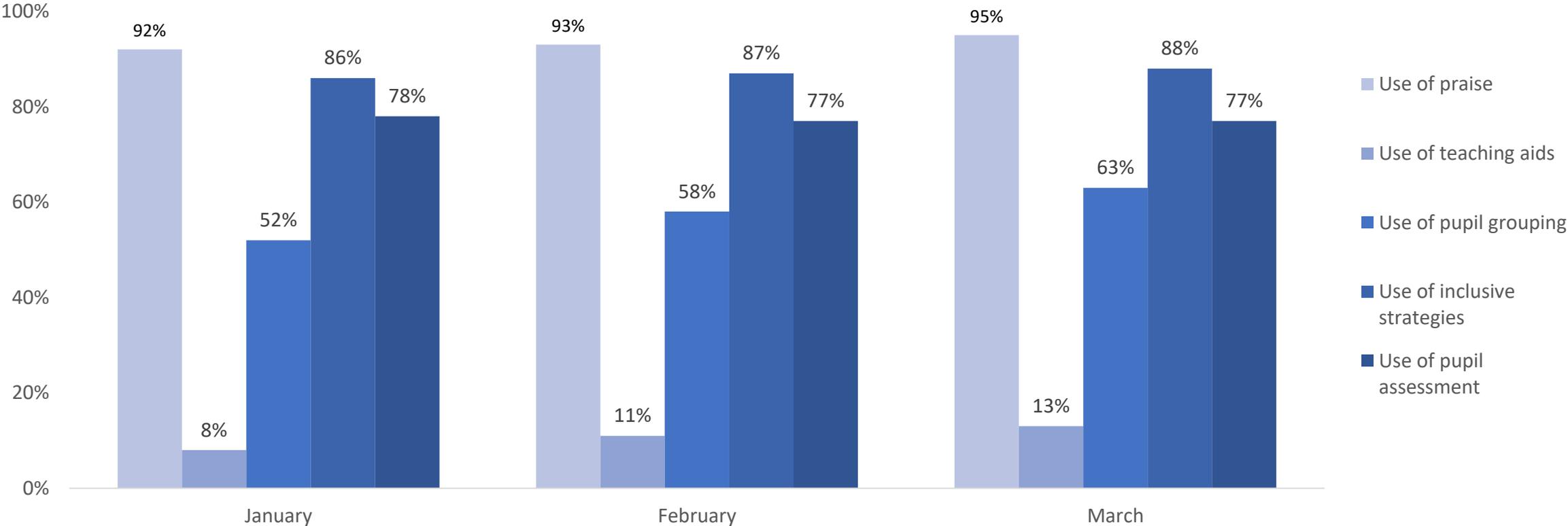
Section 8 – Pedagogy



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

In March, the use of pedagogical strategies in classrooms was very similar to previous months

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	634
SSS	352
Actual Number of non private SSS Supported this month	215
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	1834
SSS	5,917
SSS (non-private) – LWL focus (English & Maths teacher)	2,000 (estimate)
Number of SSS teachers reached this month	663