WORKSHOPS ON SCHISTOSOMIASIS
SUB-DISTRICT LEVEL DATA REVIEW FOR
SHRINKING THE MAP; BETTER UTILIZATION
OF AVAILABLE PREVALENCE DATA AND SUBDISTRICT LEVEL PLANNING FOR SELECTED
COUNTRIES



DATA ANALYSIS SUMMARY REPORT









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ACRONYMS AND ABBREVIATIONS

| ESPEN | Expanded Special Programme of NTD Elimination |
|-------|--|
| GSA | Global Schistosomiasis Alliance |
| IU | Implementation Unit |
| JRSM | Joint Request for Selected Preventive Chemotherapy Medicines |
| LASER | London Applied and Spatial Epidemiology Research Group |
| LSHTM | London School of Hygiene and Tropical Medicine |
| M&E | Monitoring and Evaluation |
| NTD | Neglected Tropical Diseases |
| PC | Preventive Chemotherapy |
| PZQ | Praziquantel |
| RTI | RTI International (formerly Research Triangle Institute) |
| SAC | School age children |
| SCI | Schistosomiasis Control Initiative |
| WHO | World Health Organisation |

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INTRODUCTION

Since the launch of the NTD roadmap, up to 23 countries¹ have commendably reached the 75% or more coverage target for schistosomiasis by 2017. A total of 75 million SAC were treated in 2017, representing an unprecedented coverage of 69.4% from 29 countries that reported data in a timely manner.

Despite this commendable progress, some concerns were raised around the efficient use of the donated medicines. Many programmes implement PZQ distribution at district level despite the focality nature of schistosomiasis distribution.

While the number of persons requiring preventive chemotherapy (PC) was reduced by 42 million following the completion of schistosomiasis mapping in 41 countries of the African region by 2015, there are major gaps in how the mapping data have been interpreted to determine the endemic areas requiring PC in various countries. Some countries use the mean prevalence in the district to classify the district endemicity while some other use the highest site prevalence. In either case, there is areas that are either under treated or over treated. The best approach is to implement PZQ distribution at community level, but this approach has some limitations due to the little number of communities that are surveyed within a district.

Earlier in 2017, ESPEN commissioned a consultative group in Brazzaville to further support the analysis of current implementation approaches based on the mapping data, to review areas that are implementing based on mean District prevalence and requesting for PZQ based on the district level aggregated data, leading to either 'undertreating' or 'over-treating' in some areas. It was demonstrated that many countries were implementing PZQ distribution largely at district level but also few of them were implementing at community levels. Therefore, it becomes mandatory to support countries to use the available mapping data and other evidences to adapt the PZQ distribution to the focality nature of schistosomiasis.

One of ESPEN's 4 overarching goals is to ensure that medicines are used effectively and delivered to those that need them by strengthening the supply chain management for donated medicines. Within this context, ESPEN wishes to increase efficiency and scale up PZQ distribution by ensuring that countries order the right amounts of medicines, and that only the people that need the medicines are treated.

Then, in 2017-2019 included in the data validation missions² in countries, the collection of all useful data on schistosomiasis. That included demographic, epidemiological and geographic data at district level and more importantly at much lower level than the district.

Early this year, ESPEN commissioned a consultant to review all available data and define a methodology and tools for the analysis of schistosomiasis data at sub-district level. The outcomes of this works include the elaboration of the data analysis methodology that comprise data requirement guide, data gaps, data analysis tool. Subsequently, two workshops were planned to train the programmes officers in the new approach.

The workshops were organized for NTD programme coordinators, schistosomiasis focal points and NTD data managers from 24 (13³ francophone and 11⁴ anglophone) countries in the African region, whose selection were supported by a potential significant impact gained by moving from the district level implementation to subdistrict level implementation.

¹ Burkina Faso, Burundi, Cameroon, Côte d'Ivoire, Democratic Republic of the Congo, Egypt, Gambia, Guinea, Madagascar, Malawi, Mali, Mauritania, Niger, Senegal, Sierra Leone, Togo, United Republic of Tanzania, Yemen, Zimbabwe

² In July 2017, ESPEN trained a pool of consultants who have been carried out data review and validation missions in countries

³ The workshop for francophone countries took place in Brazzaville, 23-26 July 2019 and includes Burkina Faso, Cameroun, Côte d'Ivoire, Gabon, Guinée, Madagascar, Mali, Niger, CAR, DRC, Senegal, Chad, Togo

The workshop for francophone countries took place in Brazzaville, 13-16 August 2019 and includes Ethiopia, Ghana, Kenya, Malawi, Namibia, Nigeria, South Sudan, Tanzania (Mainland), Uganda, Zambia, Zimbabwe





OBJECTIVES AND EXPECTED OUTCOMES OF THE WORKSHOPS

The objectives and expected outcomes include the following:

II.1. OBJECTIVES

- · Conduct sub-district level analysis using prevalence data and other spatial and environmental data district by district, to describe districts that should adjust their implementation strategy to refine the PZQ distribution map.
- Update sub-district level planning for participating countries.
- Revise PZQ needs based on endemicity review using available data at sub-district level.
- Update JRSM based on sub-district (or lowest implementation level).

11.2 **EXPECTED OUTCOMES**

- · Updated sub-district level implementation planning for participating countries.
- Updated PZQ needs based on endemicity review using available data.
- · Updated Joint request for selected medicines (JRSM) based on prevalence data delineated to sub-district levels.

III. PARTICIPATION

The workshops were organised for the NTD programme managers, schistosomiasis officers, data managers or M&E

They were facilitated by a pool of facilitators comprising ESPEN staff, schistosomiasis experts and data consultants.

Notable partners (SCI, RTI, GSA) supporting countries in schistosomiasis control/elimination also took part. The table below shows the importance of the attendance.

Table 1: Categories of participants of the workshops

| Participant profile | Francophone | Anglophone |
|---|-------------|------------|
| NTD/HQ | 1 | 1 |
| ESPEN/NTD/AFRO | 7 | 6 |
| Consultants | 8 | 9 |
| Partners | 5 | 6 |
| NTD Programme Officers (Directors, Programme Coordinators, M&E officers, Data managers) | 35 | 30 |
| Total | 56 | 51 |



IV. PREPARATORY WORKS

The preparation of the workshops started earlier in May 2019 with various works.

IV.1. SITUATIONAL ANALYSIS

A situational analysis and preparatory works have been conducted in May-June 20019. It includes:

- The inventory of available data
- The assessment of the fitness of available data to the purpose of the sub-district analysis
- Elaboration of the sub-data analysis framework and requirements
- Elaboration of the sub-district analysis tool
- The completion of sample analysis (6 countries⁵ were included)
- Support in collection of additional data

IV.2. DATA REVIEW AND PREPARATORY WORKSHOPS BY DATA EXPERTS

Peer intensive and extensive data reviews have been carried out prior to the workshops. 16 data managers (8 for each workshop) spent a week before each of review all available countries data to ensure that they meet the data requirement compliance and are of acceptable quality for the analysis. Three datasets (demographic, epidemiological and geographic) were concerned by this activity. Two preparatory workshops⁶ were held by data consultants for this purpose. It was also the occasion to collect additional.

This resulted in organising and putting together all country data into a single document (Excel workbook) for each country. The Excel workbook is built on the data analysis template that was developed earlier.

The main data source was the ESPEN schistosomiasis global database maintained by the LASER Group of LSHTM. Two data managers from.

V. MAIN WORKSHOP ACHIEVEMENTS

The data analysis is divided into 3 mains activities:

- Data review
- Data analysis
- Data interpretation

V.1. DATA REVIEW BY COUNTRIES

The data review is the first activity of the workshops. It consists of reviewing all available countries data previously prepared during the preparatory workshops. Three datasets (demographic, epidemiological and geographic) were concerned by this activity.

- 5 Benin, Burkina Faso, Burundi, Guinea Bissau, Rwanda, Togo.
- 6 The first workshop was held from 15 to 19 July 2019 for the francophone workshop and the second from 12 to 16 August for the anglophone workshop.





V.2. DATA ANALYSIS

The data analysis came after the data review and preparation. It consists of performing the various calculations that led to the endemicities both for the districts and the sub-districts. The calculations include also the population requiring PC and the amounts of PZQ needed. The calculations are done.

The calculations are performed in 2 steps that are (1) the calculation of district and sub-district prevalence based on the epidemiological and (2) the determination of the endemicity status of the sub-district based on the prevalence calculation results.

Generally, a prevalence is calculated for every district or sub-district that have data for each diagnostic method for which data are available. The prevalence is used to categorise the district or sub-district into one of the different endemicity categories. Then the population needing PC and the amounts of PZQ are estimated.

The second step of the calculation is the final classification where every sub-district is categorised using the prevalence results.

It is important to note that the complete analysis was not achieved at the end of the workshops for all countries. The level of completion varies 50 to 90 %.

Additional works have been carried out after the workshops to bring the analysis to their current level of achievement.

Currently, the analysis is completed for 22 countries that are included in the summary statistics. Two countries, Nigeria and Ethiopia need onsite support to complete the exercise.

V.3. USE OF THE RESULTS

The results are used in various ways. First, it is used to demonstrate the inequity and inadequacy that can occur in the district level implementation. In this case, the endemicity used for the sub-district using the district data is compared to the endemicity calculated for the sub-district using its own data. The comparison pointed out the evidence of under or over treatment in some sub-districts.

The ultimate consideration of the results is to find a way to adjust the sub-district endemicity to be close as much as possible to the reality. Discussion among experts at the workshops led to the decision tree on the figure of page 15. The final decision tree as it called provides means to determine the most likely endemicity of the sub-district.

The decision prioritizes the sub-district data if the quality is acceptable to determine the endemicity of the sub-district. How in absence of sub-district data or if available data are of unacceptable quality, it recommends using the endemicity of any neighbouring and similar sub-district or look for further information (environmental data) to support the decision. In the meantime, if no data is readily accessible, the district endemicity may be used.

The table in annex 1 is a questionnaire proposed by the expert to collect additional epidemiological and environmental data where no data is currently available to take decision on the sub-district endemicity.

The next sections of this document contain summary indicators generated from the data analysis outputs.

Some negative conclusions (inadequate, treatment strategy, PZQ misused, etc.) of the comparative analysis between the use of district and sub-district data do not necessarily explain the situation in the countries. They are just to illustrate what will open if corrective measures are not applied. Many countries that attended the workshop are already at some extent applying the community-based approach and the workshop is an opportunity to strengthen the existing capacities and encourage other countries to do so.

V.3.1. GENERAL STATISTICS

The data analysis covered 24 countries. However, the complete analysis is achieved for 22 countries (see the table below) that provided a complete demographic and epidemiological data. Two countries Nigeria and Ethiopia which worked with partial datasets (one state out of 37 for Nigeria and one Region out of 9 for Ethiopia) are not included in the summary statistics. The summary statistics in the rest of this documents include then only the 22 countries.





Table 2: Number of administrative units and sub-units by country

| Country | Number of admin 1 (province, region, state) | Number of IUs (districts) | Number of sub-IUs (sub-districts) |
|---------------------|--|------------------------------|--------------------------------------|
| Burkina Faso | 13 | 70 | 2,103 |
| Cameroon | 10 | 189 | 1,766 |
| CAR | 7 | 35 | 72 |
| Chad | 23 | 120 | 1,541 |
| Côte d'Ivoire | 20 | 86 | 2,254 |
| DRC | 26 | 519 | 8,999 |
| Gabon | 10 | 51 | 229 |
| Ghana | 16 | 260 | 1,375 |
| Guinea | 8 | 38 | 384 |
| Kenya | 47 | 290 | 1,448 |
| Madagascar | 22 | 114 | 1,640 |
| Malawi | 3 | 32 | 430 |
| Mali | 11 | 75 | 1,378 |
| Namibia | 14 | 35 | 121 |
| Niger | 8 | 72 | 1,090 |
| Senegal | 14 | 77 | 1,519 |
| South Sudan | 10 | 80 | 514 |
| Tanzania (Mainland) | 26 | 174 | 3,151 |
| Togo | 6 | 44 | 712 |
| Uganda | 4 | 134 | 7,317 |
| Zambia | 10 | 103 | 1,421 |
| Zimbabwe | 10 | 63 | 1,967 |
| Grand Total | 318 | 2,661 | 41,431 |

The geographical scope of the 22 countries concerned 318 admin 1 (state, province, region), 2,661 IUs (districts) and 41,431 sub-IUs (sub-districts). The sub-IUs are the third and the fourth administrative levels.

V.3.2. SUMMARY STATISTICS OF THE ENDEMICITY CALCULATED USING DISTRICT DATA

The table below summarizes for every country the classification of the sub-IUs by endemicity categories using the prevalence calculated for the districts.

In total, 13% of the sub-IUs are not endemic, 238% are classified unknown and 63.2 % have endemicity status ranging from low to high.

Table 3: Number of sub-districts by endemicity category with district prevalence

| Country | Not endemic | Low | Moderate | High | Unknown | Total |
|---------------|-------------|-------|----------|------|---------|-------|
| Burkina Faso | 1,075 | 582 | 44 | | 402 | 2,103 |
| Cameroon | 431 | 789 | 489 | 5 | 52 | 1,766 |
| CAR | 8 | 19 | 24 | 15 | 6 | 72 |
| Chad | 35 | 379 | 581 | 175 | 371 | 1,541 |
| Côte d'Ivoire | 114 | 1,323 | 309 | 45 | 463 | 2,254 |
| DRC | 873 | 881 | 4,328 | 366 | 2,552 | 9,000 |
| Gabon | 31 | 173 | 26 | | | 230 |
| Ghana | 95 | 280 | 238 | 117 | 645 | 1,375 |





| Country | Not endemic | Low | Moderate | High | Unknown | Total |
|---------------------|-------------|--------|----------|-------|---------|--------|
| Guinea | 49 | 93 | 119 | 123 | | 384 |
| Kenya | 637 | 202 | 293 | 28 | 290 | 1,450 |
| Madagascar | 18 | 149 | 355 | 286 | 933 | 1,741 |
| Malawi | 9 | 328 | 94 | | | 431 |
| Mali | 116 | 265 | 555 | 204 | 241 | 1,381 |
| Namibia | 33 | 52 | 26 | | 10 | 121 |
| Niger | 9 | 452 | 485 | 131 | 13 | 1,090 |
| Senegal | 176 | 508 | 388 | 53 | 394 | 1,519 |
| South Sudan | 107 | 212 | 154 | 18 | 24 | 515 |
| Tanzania (Mainland) | 110 | 309 | 61 | | 2,763 | 3,243 |
| Togo | 13 | 589 | 70 | | 40 | 712 |
| Uganda | 1,012 | 3,883 | 1,812 | 95 | 699 | 7,501 |
| Zambia | 68 | 637 | 628 | 28 | 60 | 1,421 |
| Zimbabwe | 374 | 1,365 | 228 | | | 1,967 |
| Total | 5,393 | 13,470 | 11,307 | 1,689 | 9,958 | 41,817 |
| Total | 13.0% | 32.2% | 27.0% | 4.0% | 23.8% | 100% |

The categories of unknown endemicities are justified by the following reasons:

- The epidemiological data are not complete. The missing data are mostly the very old surveys for which the data were not readily accessible. Even if those data are available, some countries have excluded them arguing that the current endemicity for those IUs are based on recent impact assessment data in sentinel sites (sentinel site impact surveys are geographically limited but used to redefine endemicity for wider geographical scope).
- All the available data are not linked correctly to their IUs (misspelling of geographic entities names).

V.3.3. SUMMARY STATISTICS OF THE ENDEMICITY CALCULATED USING SUB-DISTRICT DATA

The table below is identic to the previous one with difference that the endemicity status are determined using the epidemiological data of the sub-IUs.

In total, 6.8% of the sub-IUs are not endemic, 79.3% are classified unknown and 13.9 % have endemicity status ranging from low to high.

Table 4: Number of sub-districts by endemicity category with sub-district prevalence

| Country | Not endemic | Low | Moderate | High | Unknown | Total | % with own prevalence |
|---------------|-------------|-----|----------|------|---------|-------|-----------------------|
| Burkina Faso | 56 | 29 | 8 | | 2,010 | 2,103 | 4.4% |
| Cameroon | 276 | 122 | 60 | 13 | 1,295 | 1,766 | 26.7% |
| CAR | 9 | 14 | 9 | 12 | 28 | 72 | 61.1% |
| Chad | 126 | 95 | 154 | 54 | 1,112 | 1,541 | 27.8% |
| Côte d'Ivoire | 214 | 203 | 131 | 26 | 1,680 | 2,254 | 25.5% |
| DRC | 359 | 135 | 702 | 137 | 7,667 | 9,000 | 14.8% |
| Gabon | 27 | 55 | 16 | | 132 | 230 | 42.6% |
| Ghana | 31 | 70 | 45 | 31 | 1,198 | 1,375 | 12.9% |
| Guinea | 40 | 25 | 30 | 45 | 244 | 384 | 36.5% |
| Kenya | 263 | 57 | 134 | 49 | 947 | 1,450 | 34.7% |
| Madagascar | 13 | 39 | 51 | 85 | 1,553 | 1,741 | 10.8% |
| Malawi | 54 | 87 | 112 | 8 | 170 | 431 | 60.6% |





| Country | Not endemic | Low | Moderate | High | Unknown | Total | % with own prevalence |
|------------------------|-------------|-------|----------|-------|---------|--------|-----------------------|
| Mali | 34 | 51 | 82 | 50 | 1,164 | 1,381 | 15.7% |
| Namibia | 32 | 34 | 31 | 7 | 17 | 121 | 86.0% |
| Niger | 5 | 163 | 158 | 44 | 720 | 1,090 | 33.9% |
| Senegal | 70 | 31 | 28 | 8 | 1,382 | 1,519 | 9.0% |
| South Sudan | 113 | 51 | 74 | 21 | 256 | 515 | 50.3% |
| Tanzania (Mainland) | 86 | 44 | 35 | 2 | 3,076 | 3,243 | 5.1% |
| Togo | 272 | 120 | 96 | 19 | 205 | 712 | 71.2% |
| Uganda | 470 | 661 | 465 | 148 | 5,757 | 7,501 | 23.3% |
| Zambia | 124 | 109 | 166 | 75 | 947 | 1,421 | 33.4% |
| Zimbabwe | 159 | 109 | 81 | 10 | 1,608 | 1,967 | 18.3% |
| Total | 2,833 | 2,304 | 2,668 | 844 | 33,168 | 41,817 | 20.7% |
| Total | 6.77% | 5.51% | 6.38% | 2.02% | 79.32% | 100% | 20.7% |

Overall, 20.7% have been classified by their own data. This varies from 4.4 to 86.0%

The high number unknown endemicity has different justifications:

- All survey data are not also available.
- · All the available site data are not linked or incorrectly linked to their sub-IUs and such site data are not used in the calculation of the sub-IU prevalence.
- · Surveys usually cover few sub-IUs in the IU. The protocol recommends a minimum of five sites per IU while an IU have an average of 16 sub-IUs, the number of sub-IUs by IU ranging from 1 to 152. The average sites.

V.3.4. **CHANGE IN ENDEMICITY CATEGORIES**

The table below summarize the changes in the sub-district endemicities when using the sub-district data instead of the district data. The changes are grouped into 3 categories. The treatment strategy applied to the endemicity category is adequate in case of no change. When treatments needs are lower, then the sub-district is over treated under district endemicity. It is under treated if treatment needs are higher with the sub-district data.

Table 5: Changes in endemicity categories from district prevalence to sub-district prevalence

| Endemicity category calculated (sub-IU) | | | | | | | | |
|---|--|-------------|-------|----------|------|-------|--|--|
| Treatment Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | Moderate | High | Total | | |
| | Not endemic | 772 | | | | 772 | | |
| Adequate treatment | Low | | 1,228 | | | 1,228 | | |
| | Moderate | | | 1,417 | | 1,417 | | |
| | High | | | | 255 | 255 | | |
| | Low | 935 | | | | 935 | | |
| Over Treatment | Moderate | 284 | 293 | | | 577 | | |
| | High | | 1 | 45 | | 46 | | |
| Under Treatment | Low | | | 448 | 14 | 462 | | |
| onder freatment | Moderate | | | | 320 | 320 | | |
| Total | | 1,991 | 1,522 | 1,910 | 589 | 6,012 | | |





The table below illustrates the number of sub-districts in each category of treatment adequacy.

Table 6: Number of sub-districts in each category of treatment adequacy

| Country | Adequate treatment | Over Treatment | Under Treatment | Total | % of inadequate strategy |
|---------------------|--------------------|----------------|-----------------|---------|--------------------------|
| Burkina Faso | 60 | 9 | 1 | 70 | 14.3% |
| Cameroon | 221 | 76 | 22 | 319 | 30.7% |
| Chad | 182 | 53 | 29 | 264 | 31.1% |
| Côte d'Ivoire | 146 | 98 | 51 | 295 | 50.5% |
| Gabon | 65 | 17 | 10 | 92 | 29.3% |
| Guinea | 84 | 16 | 14 | 114 | 26.3% |
| Madagascar | 88 | 30 | 29 | 147 | 40.1% |
| Mali | 81 | 12 | 15 | 108 | 25.0% |
| Niger | 183 | 32 | 58 | 273 | 33.0% |
| Togo | 114 | 258 | 84 | 456 | 75.0% |
| Kenya | 307 | 35 | 23 | 365 | 15.9% |
| Uganda | 434 | 327 | 110 | 871 | 50.2% |
| Ghana | 139 | 14 | 11 | 164 | 15.2% |
| Zambia | 151 | 139 | 89 | 379 | 60.2% |
| Zimbabwe | 120 | 84 | 18 | 222 | 45.9% |
| Tanzania (Mainland) | 28 | 13 | 11 | 52 | 46.2% |
| South Sudan | 147 | 29 | 24 | 200 | 26.5% |
| Malawi | 100 | 52 | 52 | 204 | 51.0% |
| Senegal | 74 | 48 | 14 | 136 | 45.6% |
| CAR | 33 | 4 | 2 | 39 | 15.4% |
| DRC | 857 | 210 | 94 | 1,161 | 26.2% |
| Namibia | 58 | 2 | 21 | 81 | 28.4% |
| Tabel | 3,672 | 1,558 | 782 | 6,012 | 38.9% |
| Total | 61.1% | 25.9% | 13.0% | 100.00% | 38.9% |

About 39% of the sub-districts that have their own data are either over or under treated. This is very significant. This percentage varies from 14 to 75 %.

V.3.5. ESTIMATES OF THE POPULATION REQUIRING PC AND PZQ BY DISTRICT LEVEL IMPLEMENTATION VERSUS ESTIMATES BY SUB DISTRICT LEVEL IMPLEMENTATION

The table below summarizes the treatment needs in both district and sub-district implementations. The difference in PZQ estimations for SAC decrease or increase from one country to another. But at a wider scale (6,012 sub-districts in 22 countries), the number of SAC and the amount of PZQ decrease by 6.79% which constitutes a saving of PZQ. However, the increase in the PZQ needs must not be seen negatively. The most important benefit is the better targeting that addresses the focality of schistosomiasis and shrinking of the map of PZQ distribution.

Table 7: Comparison of population requiring PC and PZQ needs in district level and sub-district level implementation

| Country | # of sub-IU | SAC estimates (IU endemicity) | SAC estimates (sub-IU endemicity) | PZQ estimates for SAC (IU endemicity) | PZQ estimates for SAC (sub-IU endemicity) | Variation in SAC and PZQ estimates |
|--------------|-------------|-------------------------------------|---|---|---|--|
| Burkina Faso | 70 | 45,523 | 32,032 | 113,815 | 80,085 | -29.64% |
| Cameroon | 319 | 403,839 | 366,512 | 1,009,645 | 916,314 | -9.24% |





| Country | # of sub-IU | SAC estimates (IU endemicity) | SAC estimates (sub-IU endemicity) | PZQ estimates for SAC (IU endemicity) | PZQ estimates for SAC (sub-IU endemicity) | Variation in SAC and PZQ estimates |
|---------------------|-------------|-------------------------------------|---|---|---|--|
| CAR | 39 | 349,382 | 354,592 | 873,463 | 886,487 | 1.49% |
| Chad | 264 | 663,614 | 625,950 | 1,659,078 | 1,564,913 | -5.68% |
| Côte d'Ivoire | 295 | 399,824 | 301,833 | 999,627 | 754,624 | -24.51% |
| DRC | 1,161 | 2,482,118 | 2,198,546 | 6,205,453 | 5,496,506 | -11.42% |
| Gabon | 92 | 126,533 | 122,175 | 316,353 | 305,452 | -3.45% |
| Ghana | 164 | 382,303 | 379,261 | 955,786 | 948,182 | -0.80% |
| Guinea | 114 | 617,152 | 667,241 | 1,542,901 | 1,668,121 | 8.12% |
| Kenya | 365 | 784,130 | 773,626 | 1,960,359 | 1,934,095 | -1.34% |
| Madagascar | 147 | 401,464 | 413,778 | 1,003,687 | 1,034,474 | 3.07% |
| Malawi | 204 | 1,275,789 | 1,244,158 | 3,189,521 | 3,110,422 | -2.48% |
| Mali | 108 | 327,896 | 340,247 | 819,758 | 850,634 | 3.77% |
| Namibia | 81 | 118,789 | 135,946 | 296,981 | 339,872 | 14.44% |
| Niger | 273 | 902,101 | 995,998 | 2,255,306 | 2,490,047 | 10.41% |
| Senegal | 136 | 127,796 | 94,369 | 319,510 | 235,934 | -26.16% |
| South Sudan | 200 | 564,920 | 574,299 | 1,412,328 | 1,435,774 | 1.66% |
| Tanzania (Mainland) | 52 | 48,056 | 42,705 | 120,148 | 106,767 | -11.14% |
| Togo | 456 | 468,448 | 311,003 | 1,171,225 | 777,547 | -33.61% |
| Uganda | 871 | 717,255 | 570,788 | 1,793,295 | 1,427,088 | -20.42% |
| Zambia | 379 | 817,714 | 714,183 | 2,044,354 | 1,785,510 | -12.66% |
| Zimbabwe | 222 | 147,776 | 87,033 | 369,484 | 217,606 | -41.11% |
| Total | 6,012 | 12,172,422 | 11,346,275 | 30,432,077 | 28,366,454 | -6.79% |

COMPARISON BETWEEN UNDERESTIMATES AND OVERESTIMATES OF DRUG NEEDS AT DISTRICT **V.3.6. LEVEL**

The table below demonstrate once more all the inconvenience of wider scale distribution of PZQ.

It shows that in all case there an amount of PZQ that is not requested due to under estimation and in the other hand, there is an amount of PZQ unnecessarily distributed. In many cases (15 countries out of 7) the amount of PZQ in excess is more than enough to compensate the gaps where under estimation occurred.

Table 8: Comparison between underestimates and overestimates of drug needs at district level

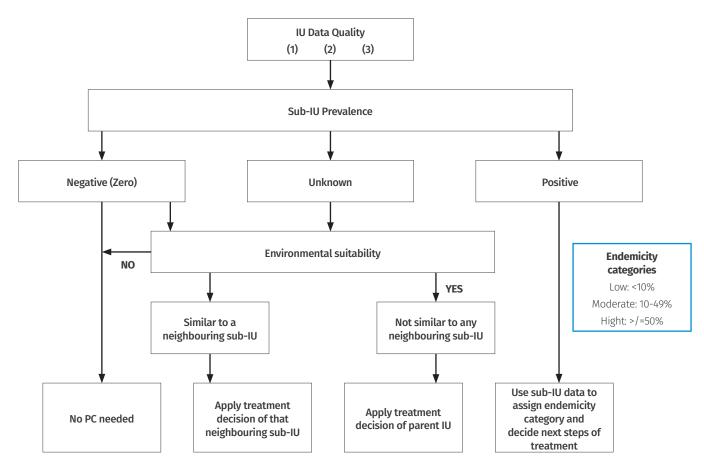
| Country | Number of sub-IUs with epidemiological data | SAC adequately treated | SAC missing treatment | SAC unnecessarily treated | Unclaimed PZQ | Misused PZQ |
|---------------|--|------------------------------|--------------------------|---------------------------------|------------------|-------------|
| Burkina Faso | 70 | 29,949 | 337 | 13,828 | 843 | 34,572 |
| Cameroon | 319 | 266,384 | 34,727 | 72,054 | 86,825 | 180,152 |
| CAR | 39 | 314,825 | 16,007 | 10,797 | 40,018 | 26,993 |
| Chad | 264 | 455,940 | 60,956 | 98,620 | 152,399 | 246,564 |
| Côte d'Ivoire | 295 | 182,208 | 39,278 | 137,269 | 98,209 | 343,196 |
| DRC | 1,161 | 1,747,621 | 167,200 | 450,772 | 418,032 | 1,126,963 |
| Gabon | 92 | 113,348 | 2,843 | 7,201 | 7,111 | 18,006 |





| Country | Number of sub-IUs with epidemiological data | SAC adequately treated | SAC missing treatment | SAC unnecessarily treated | Unclaimed PZQ | Misused PZQ |
|---------------------|--|------------------------------|--------------------------|---------------------------------|------------------|-------------|
| Ghana | 164 | 331,893 | 16,174 | 19,216 | 40,438 | 48,043 |
| Guinea | 114 | 434,804 | 83,654 | 33,565 | 209,140 | 83,916 |
| Kenya | 365 | 542,088 | 99,140 | 109,644 | 247,857 | 274,118 |
| Madagascar | 147 | 269,680 | 51,509 | 39,195 | 128,782 | 97,998 |
| Malawi | 204 | 685,546 | 199,481 | 231,112 | 498,716 | 577,795 |
| Mali | 108 | 251,062 | 35,334 | 22,983 | 88,341 | 57,460 |
| Namibia | 81 | 85,032 | 19,566 | 2,409 | 48,920 | 6,023 |
| Niger | 273 | 567,346 | 142,631 | 48,734 | 356,592 | 121,843 |
| Senegal | 136 | 56,415 | 12,985 | 46,412 | 32,467 | 116,039 |
| South Sudan | 200 | 362,981 | 85,373 | 75,994 | 213,441 | 189,992 |
| Tanzania (Mainland) | 52 | 24,010 | 6,590 | 11,941 | 16,477 | 29,855 |
| Togo | 456 | 130,983 | 71,866 | 229,311 | 179,691 | 573,337 |
| Uganda | 871 | 325,946 | 79,394 | 225,861 | 198,517 | 564,732 |
| Zambia | 379 | 369,090 | 137,767 | 241,298 | 344,443 | 603,276 |
| Zimbabwe | 222 | 59,128 | 9,517 | 70,260 | 23,796 | 175,669 |
| Total | 6,012 | 7,606,279 | 1,372,329 | 2,198,476 | 3,431,055 | 5,496,542 |

The evidence shown in the table above definitely demonstrate that the sub-district implementation is never a choice but a MUST. The big challenge is that the current available mapping data are far from enough to define an endemicity status for each sub-district. The current approaches in to make use of any other evidence in addition to the epidemiological survey data to determine the sub-district endemicity status. The flowchart on the figure below is an algorithm that is proposed and used to fill the data gaps.



Data Analysis Summary Report



The algorithm prioritizes the sub-district data if this exist and shows that the sub-district is endemic. In the absence of sub-district survey data, the district data is used or the previous endemicity reported for the district is used. But before using the district information, it is proposed in the algorithm to find any neighbouring sub-district that has data and use its data for the sub-district. The last option is to collect more environmental evidence in the addition of the suitability maps provided by the LASER team at LSHTM.

The table below summarize the final endemicity of the sub-district by final decision type

Table 9: Number of sub-districts in each category of final decision

| | | | Final Decisio | n | | | |
|---------------------|--------------------------|-------------------------|------------------------|--|----------------------------------|-------------------|---------|
| Country | 1. Use sub-IU endemicity | 2. Use IU endemicity | 3. Use JRSM endemicity | 4. Use highest adjacent endemicity | 5. Need further assessment | 6. Not endemic | Total |
| Burkina Faso | 93 | 1,608 | 402 | | | | 2,103 |
| Cameroon | 471 | 1,243 | 52 | | | | 1,766 |
| CAR | 44 | 22 | 6 | | | | 72 |
| Chad | 429 | 741 | 364 | | 7 | | 1,541 |
| Côte d'Ivoire | 574 | 1,217 | 463 | | | | 2,254 |
| DRC | 1,333 | 5,115 | 2,552 | | | | 9,000 |
| Gabon | 98 | 132 | | | | | 230 |
| Ghana | 177 | 553 | 645 | | | | 1,375 |
| Guinea | 140 | 244 | | | | | 384 |
| Kenya | 503 | 664 | 283 | | | | 1,450 |
| Madagascar | 188 | 620 | 933 | | | | 1,741 |
| Malawi | 260 | 13 | 16 | 142 | | | 431 |
| Mali | 217 | 923 | 241 | | | | 1,381 |
| Namibia | 104 | 7 | 10 | | | | 121 |
| Niger | 370 | 707 | 13 | | | | 1,090 |
| Senegal | 66 | 374 | 249 | | 559 | 271 | 1,519 |
| South Sudan | 228 | 233 | 9 | 1 | 10 | 34 | 515 |
| Tanzania (Mainland) | 167 | 313 | 2,763 | | | | 3,243 |
| Togo | 507 | 165 | 40 | | | | 712 |
| Uganda | 752 | 1,269 | 2,195 | 179 | | 3,106 | 7,501 |
| Zambia | 466 | 388 | 71 | 482 | 14 | | 1,421 |
| Zimbabwe | 359 | 1,608 | | | | | 1,967 |
| Total | 7,546 | 18,159 | 11,307 | 804 | 590 | 3,411 | 41,817 |
| Total | 18.1% | 43.4% | 27.0% | 1.9% | 1.4% | 8.2% | 100.00% |

18.1 % of the sub-districts are classified by their own data and 70% by the district data. Only 1.9% are classified by a neighbouring sub-district. 8.2 % are classified not endemic either by their own data or environmental information.





VI. ACTION POINTS OF THE WORKSHOPS

VI.1. ACTION POINTS FOR COUNTRIES

- 1. Identify and submit all the sub-districts/health area lists to benefit from the following decisions:
 - a. Sub-districts/Health Areas not to benefit from mass treatment;
 - b. Sub-districts / Health Areas to benefit from mass treatment and
 - c. Sub-districts / Health Areas for which decisions are expected following additional investigations;
- 2. Revise the PZQ request in the JRSM considering the changes made following the workshops
- 3. Implement praziquantel distribution at sub district level once endemicity classification per sub district level is available (medicines remaining after distribution targeted at sub district level in 2020 will be utilized in 2021);
- **4.** Disseminate the relevant packages and tools received from the workshops to health actors at the level of the Regions/Provinces, Health Districts, Health Centres and Health Posts as well as to the implementing partners of the schistosomiasis control programmes.

VI.2. ACTION POINTS FOR ESPEN/WHO

- **1.** Continue technical support to countries for the adequate implementation of the sub-district approach to focus PC with Praziquantel, for its effective and country-wide application by 2020 at the latest;
- Following the workshop, establish a communication network/framework to facilitate exchanges between programme coordinators/focal points, ESPEN and Experts, to support the application of the approach to focus mass treatment;
- **3.** Provide technical support to countries where needed by sending consultants or WHO staff where necessary to support the data analysis exercise;
- 4. Continue advocacy for availability of PZQ for adult treatment.





VII. ANNEXES

VII.1. ANNEX 1: SUPPLEMENTAL DATA COLLECTION FOR THE REFINEMENT OF SCHISTOSOMIASIS ENDEMICITY AT SUB DISTRICT LEVEL

| COUNTRY: |
|---|
| REGION/PROVINCE: |
| DISTRICT: |
| SUB DISTRICT/HEALTH AREA ^(a) : |
| HEALTH FACILITY NAME(b): |

| | or the village or commu- nity | pulation in 2019 in the village | scnisto- somiasis cases reported in the village (haematu- ria or dia- gnosed by microscopy at health facility): 1 if Yes 0 if No | 1. River, Lake 2. Pond 3. Irrigation canal 4. Rice plantation 5. Other wetland (specify) 6. None | the water body ^(c) : 1. Fishing 2. Farming 3. Domestic use 4. Other (specify) 5. None | 1. Pond, lake, river 2. Drill or well 3. Household pump 4. Pipe 5. Other (specify) 6. None | status©: 1. Open defecation 2. Household latrines | or neattn post: 1 if Yes 0 if No | or tabora- tory where microscopy is done 1 if Yes 0 if No | or commu- nity health workers/ Drug distri- butors 1 if Yes 0 if No | the village (write number of schools) |
|---|--|---------------------------------------|--|---|--|--|---|---|--|---|--|
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| | | | | | | | | | | | |
| | Total | | | | | | | | | | |

- (a) Country to use the appropriate name
- (b) Front line health facility to fill the form (or Praziquantel delivery channel)
- (c) Enter all numbers that apply Annex 2: Country Summary Statistics

18.0%

43.4%

27.0%

1.9%

1.4%

8.2%

100.0%





VII.2. SUMMARY STATISTICS OF THE 22 COUNTRIES INCLUDED IN THE ANALYSIS

VII.2.1. GLOBAL SUMMARY

| | | | | | | he Analys | IS |
|--|---|--|--|--|--|------------------------|--|
| | Number of IUs and | sub-IUs | | Demog | graphy - Total, SA | C and adult popul | ation |
| Province | IU | Sub | o-IU | Year T | otal Population | SAC Population | Adult Population |
| 318 | 2,661 | 41, | 431 | 2020 | 543,377,808 | 157,096,385 | 288,270,975 |
| | Numb | er of sub-districts t | y endemicity ca | tegories by district n | nean prevalence | | |
| Not endemic | Low | | erate | High | Unkn | own | Total |
| 5,393 | 13,470 | 9.00000 | 307 | 1,689 | 9,95 | 60.000.000 | 41,817 |
| 12.9% | 32.2% | | .096 | 4.096 | 23.8 | 10000 T | 100.0% |
| 12.5% | 32.270 | 2/ | .070 | 4.070 | 25.0 | 770 | 100.070 |
| | Number | of sub-districts by e | ndemicity categ | ories by sub-district | highest prevalen | ce | |
| Not endemic | Low | Mod | erate | High | Unkn | own | Total |
| 2,833 | 2,304 | 2, | 568 | 844 | 33,1 | 68 | 41,817 |
| 6.8% | 5.5% | 6. | 496 | 2.0% | 79.3 | 396 | 100.0% |
| | Changes in ende | micity categories fr | om district mea | n prevalence to sub- | district highest p | revalence | |
| | | | | Endemicity category | | | |
| reatment trategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | | | High | Total |
| dequate | Not endemic | 772 | | | | | 772 |
| reatment | Low | | 1,228 | | | | 1,228 |
| | Moderate | | | 1,41 | 1.7 | 255 | 1,417 255 |
| nder Treatment | High Low | | | 44 | R | 14 | 462 |
| nder freatment | Moderate | | | | | 320 | 320 |
| ver Treatment | Low | 935 | | | | | 935 |
| | Moderate | 284 | 293 | | | | 577 |
| | High | | 1 | 45 | | | 46 |
| otal | | 1,991 | 1,522 | 2 1,91 | 10 | 589 | 6,012 |
| | | Treatment Strat | egy Adequacy w | ith District Mean Pre | valence | | |
| Adequate to | reatment | Under Treatm | ent | Over Treat | ment | To | otal |
| 3,67 | 2 | 782 | | 1,558 | | 6,0 | 012 |
| 61.1 | 96 | 13.0% | | 25.9% | | 100 | 0.096 |
| | Population requiring | PC and PZQ by distr | rict level implem | entation versus y sul | o- district level in | nplementation | |
| # of sub-IUs | # of SAC (IU ender | micity) # of SA | C (sub-IU | # of PZQ for SAC (IU | # of PZQ for | SAC (sub-IU Var | riation in SAC and |
| | , | endel | micity) | endemicity) | endem | | PZQ estimates |
| 6,012 | 12,172,422 | 11,34 | 16,275 | 30,432,077 | 28,366 | ,454 | -6.8% |
| | | Treatment | Inequity and Ine | efficient PZQ Allocation | on | | |
| | | | | | | | Drugs misused |
| # of sub-IUs | SAC adequately tr | eated SAC missin | g treatment | SAC unecessarily treated | Unclaime | d drugs | |
| # of sub-IUs 6,012 | SAC adequately tr 7,606,279 | 68 12100 | g treatment 2,329 | | Unclaime 3,431 | 2000000 | 5,496,542 |
| 1000000000 | 7,606,279 | 1,37 | 2,329 | treated | 3,431 | 2000000 | 100 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 |
| 6,012 | 7,606,279 | 1,37 | 2,329 | treated 2,198,476 | 3,431 | .055 | 5,496,542 |
| 6,012 inal Endemicity ategory | 7,606,279 Numl | 1,37 per of sub-districts I 2. Use IU | 2,329 by endemicity ca 3. Use JRSM | treated 2,198,476 stegories with the fin 4. Use highest adjacent | 3,431 al decision tree 5. Need further | .055 | 5,496,542 |
| 6,012 inal Endemicity ategory ot endemic | 7,606,279 Numl 1. Use sub-IU endemicity 2,389 | 1,37 per of sub-districts 2. Use IU endemicity 3,733 | 2,329 by endemicity ca 3. Use JRSM endemicity 2,881 | treated 2,198,476 ategories with the fin 4. Use highest adjacent endemicity 81 | 3,431 al decision tree 5. Need further | ,055 6. Not endemic | 5,496,542 Total 12,495 |
| 6,012 inal Endemicity ategory ot endemic | 7,606,279 Numl 1. Use sub-IU endemicity 2,389 1,896 | 1,37 per of sub-districts I 2. Use IU endemicity 3,733 6,555 | 2,329 by endemicity ca 3. Use JRSM endemicity 2,881 4,639 | treated 2,198,476 stegories with the fin 4. Use highest adjacent endemicity 81 88 | 3,431 al decision tree 5. Need further | ,055 6. Not endemic | 5,496,542 Total 12,495 13,178 |
| 6,012 inal Endemicity ategory lot endemic ow loderate | 7,606,279 Numl 1. Use sub-IU endemicity 2,389 1,896 2,442 | 1,37 per of sub-districts II 2. Use IU endemicity 3,733 6,555 6,711 | 2,329 by endemicity ca 3. Use JRSM endemicity 2,881 4,639 1,976 | treated 2,198,476 stegories with the fin 4. Use highest adjacent endemicity 81 88 241 | 3,431 al decision tree 5. Need further | ,055 6. Not endemic | Total 12,495 13,178 11,370 |
| 6,012 inal Endemicity ategory lot endemic ow loderate ligh | 7,606,279 Numl 1. Use sub-IU endemicity 2,389 1,896 2,442 799 | 1,37 per of sub-districts 2. Use IU endemicity 3,733 6,555 6,711 1,157 | 2,329 by endemicity ca 3. Use JRSM endemicity 2,881 4,639 1,976 1,223 | treated 2,198,476 stegories with the fin 4. Use highest adjacent endemicity 81 88 241 123 | 3,431 al decision tree 5. Need further | ,055 6. Not endemic | Total 12,495 13,178 11,370 3,302 |
| 6,012 inal Endemicity ategory lot endemic ow loderate ligh inknown | 7,606,279 Numl 1. Use sub-IU endemicity 2,389 1,896 2,442 799 20 | 1,37 per of sub-districts II 2. Use IU endemicity 3,733 6,555 6,711 | 2,329 by endemicity ca 3. Use JRSM endemicity 2,881 4,639 1,976 | treated 2,198,476 stegories with the fin 4. Use highest adjacent endemicity 81 88 241 | 3,431 al decision tree 5. Need further assessment | ,055 6. Not endemic | Total 12,495 13,178 11,370 3,302 304 |
| 6,012 inal Endemicity ategory lot endemic ow Moderate ligh | 7,606,279 Numl 1. Use sub-IU endemicity 2,389 1,896 2,442 799 20 | 1,37 per of sub-districts 2. Use IU endemicity 3,733 6,555 6,711 1,157 | 2,329 by endemicity ca 3. Use JRSM endemicity 2,881 4,639 1,976 1,223 | treated 2,198,476 stegories with the fin 4. Use highest adjacent endemicity 81 88 241 123 | 3,431 al decision tree 5. Need further | ,055 6. Not endemic | Total 12,495 13,178 11,370 3,302 |
| H-100000000 | 7,606,279 Numl 1. Use sub-IU endemicity 2,389 1,896 2,442 799 20 | 1,37 per of sub-districts 2. Use IU endemicity 3,733 6,555 6,711 1,157 | 2,329 by endemicity ca 3. Use JRSM endemicity 2,881 4,639 1,976 1,223 | treated 2,198,476 stegories with the fin 4. Use highest adjacent endemicity 81 88 241 123 | 3,431 al decision tree 5. Need further assessment | ,055 6. Not endemic | Total 12,495 13,178 11,370 3,302 304 |





4.496

VII.2.2. COUNTRY SUMMARIES

VII.2.2.1. **BURKINA FASO**

| | | | Burkin | a Faso | | | |
|--------------------------------|-------------------------------------|---------------------|-------------------------|---------------------------------|--------------------------|-----------------|---------------------------------------|
| | Number of sub- | IUs | | De | mography - Total, SA | C and adult pop | ulation |
| Province | IU | S | ub-IU | Year | Total Population | SAC Populatio | n Adult Populatio |
| 13 | 70 | _ | ,103 | 2020 | 21,510,241 | 6,217,183 | 11,506,076 |
| | 10.7 | | | | | -,, | |
| | Numb | er of sub-district | s by endemicity o | categories by distr | ict mean prevalence | | |
| Not endemi | | Low | Mode | | Unknown | | Total |
| 1,075 | | 582 | 44 | 4 | 402 | | 2,103 |
| 51.1% | 2 | 7.7% | 2.1 | 96 | 19.1% | | 100.0% |
| | Number | of sub-districts by | endemicity cate | egories by sub-dist | rict highest prevalen | ce | |
| Not endemi | - | Low | Mode | erate | Unknown | | Total |
| 56 | - | 29 | 8 | | 2,010 | | 2,103 |
| 2.796 | 1 | | 0.4 | | 95.6% | | 100.0% |
| 2.790 | | L.496 | 0.4 | 70 | 95.6% | | 100.0% |
| | Changes in ende | micity categories | from district me | ean prevalence to s | ub-district highest p | revalence | |
| | | | | Endemicity categ | gory calculated (sub-l | U) | |
| Treatment Strategy Adequacy | Endemicity category calculated (IU) | Not ender | nic | Low | Moderat | te | Total |
| Adequate | Not endemic | 39 | | | | | 39 |
| treatment | Low | | | 19 | | | 19 |
| | Moderate | | | | 2 | | 2 |
| Under Treatment | Low | | | | 1 | | 1 |
| Over Treatment | Low | 8 | | | | | 8 |
| | Moderate | | | 1 | | | 1 |
| Total | | 47 | | 20 | 3 | | 70 |
| | | Treatment Str | ategy Adequacy | with District Mean | Prevalence | | |
| Adequate tr | reatment | Under Treat | | | eatment | | Total |
| 60 | | 1 | | | 9 | | 70 |
| 85.79 | 16 | 1.4% | | 12 | .9% | 1 | .00.0% |
| | | | | | | | |
| | Population requiring | PC and PZQ by dis | strict level imple | mentation versus | y sub- district level in | nplementation | |
| # of sub-IUs | # of SAC (IU enden | nicity) | AC (sub-IU lemicity) | # of PZQ for SAC endemicity) | | | /ariation in SAC and PZQ estimates |
| 70 | 45,523 | 3 | 32,032 | 113,815 | 80,0 | 85 | -29.6% |
| | | Treatmen | nt Inequity and Ir | nefficient PZQ Allo | cation | | |
| # of sub-IUs | SAC adequately tr | reated SAC miss | ing treatment | SAC unecessar treated | ily Unclaime | d drugs | Drugs misused |
| 70 | 29,949 | | 337 | 13,828 | 84 | 3 | 34,572 |
| | Numb | per of sub-district | s by endemicity | categories with th | e final decision tree | | |
| | | | , | | | | |
| Final Endemicity Category | 1. Use sub-IU | endemicity | 2. Use IU ende | emicity 3 | . Use JRSM endemici | ty | Total |
| Not endemic | 56 | | 1,023 | | | | 1,079 |
| | 29 | | 548 | | 268 | | 845 |
| Low | | | | | | | |
| Low Moderate | 8 | | 37 | | 134 | | 179 |

76.5%

19.1%

100.0%

Data Analysis Summary Report





VII.2.2.2. **CAMEROON**

| | | Ca | amero | on | | | |
|--------------------------------|-------------------------------------|-----------------------------|-------------------|----------------------------|-----------------------|------------------------|---------------------------------------|
| | Number of sub- | IUs | | Der | nography - Total, S | AC and adult pop | pulation |
| Province | IU | Sub-IU | | Year | Total Population | SAC Population | on Adult Populatio |
| 10 | 189 | 1,766 | | 2018 | 25,489,978 | 6,805,832 | |
| | Numb | er of sub-districts by end | lemicity categor | ies hy distri | ct mean prevalence | | |
| Not endemic | Low | Moderate | | High | | nown | Total |
| 431 | 789 | 489 | | 5 | 5 | 2 | 1,766 |
| 24.496 | 44.7% | 27.7% | | 0.3% | 2.5 | 996 | 100.096 |
| | Number | of sub-districts by endem | icity categories | by sub-distr | rict highest prevale | nce | |
| Not endemic | Low | Moderate | | High | Unkı | nown | Total |
| 276 | 122 | 60 | | 13 | | 295 | 1,766 |
| 15.6% | 6.9% | 3.496 | | 0.796 | 73 | .396 | 100.0% |
| | Changes in ende | micity categories from di | strict mean pre | valence to si | ub-district highest | prevalence | |
| | changes in chac | micrey categories from a | | | ory calculated (sub | | |
| Treatment Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | Mo | oderate | High | Total |
| Adequate | Not endemic | 89 | | | | | 89 |
| treatment | Low | | 88 | | | | 88 |
| | Moderate | | | | 44 | | 44 |
| Jnder Treatment | | | | | 9 | 13 | 9 |
| Over Treatment | Moderate Low | 54 | | | | 13 | 54 |
| over freatment | Moderate | 14 | 8 | | | | 22 |
| Total | Moderate | 157 | 96 | | 53 | 13 | 319 |
| | | Treatment Strategy Ad | dequacy with Di | strict Mean | Prevalence | | |
| Adequate tr | reatment | Under Treatment | | Over Tre | atment | | Total |
| 221 | | 22 | | 7 | 5 | | 319 |
| 69.3 | 96 | 6.9% | | 23. | 396 | | 100.0% |
| | Population requiring | PC and PZQ by district lev | vel implementat | ion versus y | sub- district level i | implementation | |
| # of sub-IUs | # of SAC (IU ender | micity) # of SAC (sub | | PZQ for SAC endemicity) | | SAC (sub-IU nicity) | Variation in SAC and PZQ estimates |
| 319 | 403,839 | 366,512 | | 1,009,645 | 916 | ,314 | -9.2% |
| | | Treatment Inequ | ity and Inefficie | nt PZQ Alloc | ation | | |
| # of sub-IUs | SAC adequately to | reated SAC missing trea | stment SA | unecessari treated | ly Unclaim | ed drugs | Drugs misused |
| 319 | 266,384 | 34,727 | | 72,054 | 86, | 825 | 180,152 |
| | Numi | per of sub-districts by end | demicity catego | ries with the | final decision tree | | |
| Final Endemicity Category | 1. Use sub-IU | endemicity 2. Us | se IU endemicity | 3. | Use JRSM endemic | city | Total |
| Not endemic | 276 | | 340 | | 26 | | 642 |
| Low | 122 | | 499 | | 26 | | 647 |
| Moderate | 60 | | 399 | | | | 459 |
| High | 13 | | 5 | | | | 18 |
| High | | | | | | | |
| Total | 471 | | 1,243 | | 52 | | 1,766 |

Data Analysis Summary Report



VII.2.2.3. CAR

| | | | CAR | | | | |
|--|--|--|--|---|---|--|---|
| | Number of sub- | ·lUs | | Demograph | ny - Total, SA | C and adult pop | oulation |
| Province | IU | Sub-IU | v | ear Total | Dopulation | SAC Dopulation | on Adult Population |
| 7 | 35 | 72 | | | Population .32,540 | 1,165,088 | |
| , | 33 | 72 | | 019 5,1 | .52,540 | 1,103,000 | 3,079,320 |
| | Numb | per of sub-districts by end | demicity categorie | s by district mean | prevalence | | |
| Not endemic | Low | Moderate | 1 | High | Unkno | own | Total |
| 8 | 19 | 24 | | 15 | 6 | | 72 |
| 11.196 | 26.4% | 33.3% | | 20.8% | 8.3 | 96 | 100.0% |
| | Number | of sub-districts by endem | nicity categories b | y sub-district high | est prevalen | ce | |
| Not endemic | Low | Moderate | | High | Unkno | own | Total |
| 9 | 14 | 9 | | 12 | 28 | | 72 |
| 12.5% | 19.4% | 12.5% | | 16.7% | 38.9 | 196 | 100.0% |
| | Changes in ande | emicity categories from di | istrict maan prays | lance to sub-distr | ict highest n | ravalance | |
| | Changes III ende | emicity categories from di | | city category calc | | | |
| reatment | Endemicity category | N-t | | | | E1 12 12 12 12 12 12 12 12 12 12 12 12 12 | T |
| Strategy Adequacy | | Not endemic | Low | Moderate | | High | Total |
| Adequate reatment | Not endemic | 5 | 10 | | | | 5 10 |
| reatment | Low Moderate | | 10 | 9 | | | 9 |
| | High | | | , | | 9 | 9 |
| Jnder Treatment | | | | | | 2 | 2 |
| Over Treatment | Low | 1 | | | | - | 1 |
| over redement | Moderate | 1 | 2 | | | | 3 |
| | | | _ | | | | |
| otal | | 7 | 12 | 9 | | 11 | 39 |
| Total | | | | | nce | 11 | |
| | reatment | Treatment Strategy A | | rict Mean Prevale | | 11 | 39 |
| Adequate to | reatment | | | | | 11 | |
| Adequate to | | Treatment Strategy An Under Treatment 2 | | rict Mean Prevale Over Treatmen | | | 39 Total 39 |
| Adequate to | | Treatment Strategy A | | rict Mean Prevale Over Treatmen | | | 39 Total |
| Adequate to | 96 | Treatment Strategy An Under Treatment 2 | dequacy with Dist | rict Mean Prevaler Over Treatment 4 10.3% | t | | 39 Total 39 |
| Adequate to | 96 | Treatment Strategy And Under Treatment 2 5.1% PC and PZQ by district let # of SAC (Sub | dequacy with Dist | Over Treatmen 4 10.3% | t | nplementation SAC (sub-IU | 39 Total 39 |
| Adequate tr 33 84.6 | Population requiring | Treatment Strategy Ar Under Treatment 2 5.1% PC and PZQ by district let | dequacy with Dist | Over Treatmen 4 10.3% on versus y sub- dis | strict level in | nplementation SAC (sub-IU icity) | Total 39 100.0% |
| Adequate to 33 84.69 # of sub-IUs | Population requiring # of SAC (IU ender | Treatment Strategy Ar Under Treatment 2 5.1% PC and PZQ by district let micity) # of SAC (sub- endemicity) 354,592 | dequacy with Dist | Over Treatment 4 10.3% on versus y sub- dis 2Q for SAC (IU demicity) 873,463 | strict level in | nplementation SAC (sub-IU icity) | Total 39 100.0% Variation in SAC and PZQ estimates |
| Adequate to 33 84.69 # of sub-IUs | Population requiring # of SAC (IU ender 349,382 | Treatment Strategy Ar Under Treatment 2 5.1% PC and PZQ by district let micity) # of SAC (sub- endemicity) 354,592 | vel implementation b-IU # of P2 y) en ity and Inefficient | Over Treatment 4 10.3% on versus y sub- dis 2Q for SAC (IU demicity) 873,463 | strict level in | nplementation SAC (sub-IU icity) 187 | Total 39 100.0% Variation in SAC and PZQ estimates |
| Adequate tr 33 84.69 # of sub-IUs 39 | Population requiring # of SAC (IU ender 349,382 | Treatment Strategy Ar Under Treatment 2 5.1% PC and PZQ by district let micity) # of SAC (sub- endemicity) 354,592 Treatment Inequence | vel implementation b-IU # of P2 t) en stity and Inefficient | rict Mean Prevaler Over Treatment 4 10.396 In versus y sub- dis 20 for SAC (IU demicity) 873,463 PZQ Allocation unecessarily | strict level in d of PZQ for S endem 886,4 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% |
| Adequate to 33 84.69 # of sub-IUs 39 # of sub-IUs | Population requiring # of SAC (IU ender 349,382 SAC adequately to | Treatment Strategy And Under Treatment 2 5.196 PC and PZQ by district let endemicity # of SAC (subsendemicity) 354,592 Treatment Inequal reated SAC missing treatment reader and sacrated sacrates and | vel implementation b-IU # of P2 y) en sity and Inefficient atment SAC u | Over Treatment 4 10.3% In versus y sub-dis 2Q for SAC (IU demicity) 873,463 PZQ Allocation Unecessarily treated 10,797 | t strict level in a series of PZQ for Series endem 886,4 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused |
| Adequate to 33 84.69 # of sub-IUs 39 # of sub-IUs | Population requiring # of SAC (IU ender 349,382 SAC adequately to | Treatment Strategy And Under Treatment 2 5.1% PC and PZQ by district lendericity # of SAC (subendemicity) 354,592 Treatment Inequal reated SAC missing treatment Inequal strategy and sales and sales are sales and sales are sales are sales and sales are sa | vel implementation b-IU # of P2 y) en sity and Inefficient atment SAC u | or versus y sub- dis 2Q for SAC (IU demicity) 373,463 PZQ Allocation unecessarily treated 10,797 | t strict level in a series of PZQ for Series endem 886,4 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused |
| Adequate to 33 84.64 # of sub-IUs 39 # of sub-IUs 39 | Population requiring # of SAC (IU ender 349,382 SAC adequately to 314,825 | Treatment Strategy And Under Treatment 2 5.1% PC and PZQ by district lendericity # of SAC (subendemicity) 354,592 Treatment Inequal reated SAC missing treatment Inequal strategy and sales and sales are sales and sales are sales and sales are sales are sales and sales are sa | vel implementation b-IU # of P2 y) en 8 sity and Inefficient satment SAC u | or versus y sub- dis 2Q for SAC (IU demicity) 373,463 PZQ Allocation unecessarily treated 10,797 | strict level in the of PZQ for Sendem 886,4 Unclaime 40,0 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused 26,993 |
| Adequate tr 33 84.69 # of sub-IUs 39 # of sub-IUs 39 | Population requiring # of SAC (IU ender 349,382 SAC adequately tr 314,825 Num 1. Use sub-IU | Treatment Strategy And Under Treatment 2 5.1% PC and PZQ by district let endemicity 354,592 Treatment Inequal reated SAC missing treatment of SAC (subsequence of SAC missing treatment) and subsequence of SAC missing treatment of SAC missing tre | dequacy with Dist | or versus y sub- dis 2Q for SAC (IU demicity) 373,463 PZQ Allocation unecessarily treated 10,797 | strict level in the of PZQ for Sendem 886,4 Unclaime 40,0 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused 26,993 |
| Adequate to 33 84.64 # of sub-IUs 39 # of sub-IUs 39 | Population requiring # of SAC (IU ender 349,382 SAC adequately to 314,825 Num 1. Use sub-IU | Treatment Strategy And Under Treatment 2 5.1% PC and PZQ by district let endemicity 354,592 Treatment Inequal reated SAC missing treatment of SAC (subsequence of SAC missing treatment) and subsequence of SAC missing treatment of SAC missing tre | vel implementation on IU # of P2 on IV en atment SAC of the state o | or versus y sub- dis 2Q for SAC (IU demicity) 373,463 PZQ Allocation unecessarily treated 10,797 | strict level in the of PZQ for Sendem 886,4 Unclaime 40,0 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused 26,993 Total 12 |
| Adequate to 33 84.69 # of sub-IUs 39 # of sub-IUs 39 Final Endemicity Category Not endemic ow Moderate | Population requiring # of SAC (IU ender 349,382 SAC adequately to 314,825 Num 1. Use sub-IU 9 14 | Treatment Strategy And Under Treatment 2 5.1% PC and PZQ by district let endemicity 354,592 Treatment Inequal reated SAC missing treatment 16,007 ber of sub-districts by endemicity 2. Us | vel implementation vel implement | or versus y sub- dis 2Q for SAC (IU demicity) 373,463 PZQ Allocation unecessarily treated 10,797 | strict level in the of PZQ for Sendem 886,4 Unclaime 40,0 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused 26,993 Total 12 17 |
| # of sub-IUs 39 # of sub-IUs 39 # of sub-IUs 39 Who are a sub-IUs 39 Who are a sub-IUs I s | Population requiring # of SAC (IU ender 349,382 SAC adequately tr 314,825 Num 1. Use sub-IU 9 14 | Treatment Strategy And Under Treatment 2 5.1% PC and PZQ by district let endemicity 354,592 Treatment Inequal reated SAC missing treatment 16,007 ber of sub-districts by endemicity 2. Us | dequacy with Dist | or versus y sub- dis 2Q for SAC (IU demicity) 373,463 PZQ Allocation unecessarily treated 10,797 | strict level in of PZQ for S endem 886,4 Unclaime 40,0 ecision tree | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused 26,993 Total 12 17 19 18 |
| Adequate to 33 84.69 # of sub-IUs 39 # of sub-IUs 39 Final Endemicity Category Not endemic ow Moderate | Population requiring # of SAC (IU ender 349,382 SAC adequately tr 314,825 Num 1. Use sub-IU 9 14 | Treatment Strategy An Under Treatment 2 5.196 PC and PZQ by district level and endemicity 354,592 Treatment Inequere at the strategy of the | dequacy with Dist | or versus y sub- dis 2Q for SAC (IU demicity) 373,463 PZQ Allocation unecessarily treated 10,797 | strict level in the of PZQ for Sendem 886,4 Unclaime 40,0 | nplementation SAC (sub-IU icity) 187 d drugs | Total 39 100.0% Variation in SAC and PZQ estimates 1.5% Drugs misused 26,993 Total 12 17 19 |



VII.2.2.4. CHAD

| | | C | had | | | |
|---|--|--|--|---|--|--|
| | Number of sub- | ·lUs | Demog | raphy - Total SA | C and adult popul | ation |
| | | | | | | |
| Province | IU | Sub-IU | | tal Population | NAME OF TAXABLE PARTY. | |
| 23 | 120 | 1,541 | 2019 | 18,249,716 | 6,697,669 | 9,070,108 |
| | Numb | per of sub-districts by endemic | city categories by district m | ean prevalence | | |
| Not endemic | Low | Moderate | High | Unkno | own | Total |
| 35 | 379 | 581 | 175 | 37: | 1 | 1,541 |
| 2.3% | 24.6% | 37.796 | 11.4% | 24.1 | 196 | 100.0% |
| | Number | of sub-districts by endemicity | categories by sub-district h | ighest prevalen | ce | |
| Not endemic | Low | Moderate | High | Unkno | own | Total |
| 126 | 95 | 154 | 54 | 1,11 | | 1,541 |
| 8.2% | 6.296 | 10.0% | 3.5% | 72.2 | 206 | 100.0% |
| 0.270 | 0.270 | 10.0% | 5.5% | 72.2 | .70 | 100.0% |
| | Changes in ende | emicity categories from distric | t mean prevalence to sub-d | istrict highest p | revalence | |
| | F-didet | | Endemicity category of | alculated (sub-l | U) | |
| reatment Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low Moder | ate | High | Total |
| dequate | Not endemic | 12 | | | | 12 |
| reatment | Low Moderate | | 42 | | | 42 101 |
| | High | | 101 | | 27 | 27 |
| Inder Treatment | | | 11 | | | 11 |
| | Moderate | 26 | | | 18 | 18 26 |
| ver Treatment | Low Moderate | 5 | 11 | | | 16 |
| | High | 3 | 1 10 | | | 11 |
| otal | | 43 | 54 122 | | 45 | 264 |
| | | | | | | |
| | | Treatment Strategy Adequ | acy with District Mean Prev | alence | | |
| Adequate t | reatment | | 7. | | т | otal |
| Adequate to | | Treatment Strategy Adequ Under Treatment 29 | acy with District Mean Prev Over Treatm 53 | | | otal |
| 182 | 2 | Under Treatment 29 | Over Treatm 53 | | 2 | 264 |
| 1,000,000,000,000 | 96 | Under Treatment 29 11.0% | Over Treatm 53 20.1% | nent | 10 | |
| 182 | 96 | Under Treatment 29 11.0% PC and PZQ by district level in | Over Treatm 53 20.1% nplementation versus y sub | ent - district level in | 10 | 0.096 |
| 182 | 96 | Under Treatment 29 11.0% PC and PZQ by district level in # of SAC (sub-III) | Over Treatm 53 20.1% | nent | 10 nplementation SAC (sub-IU Va | 0.0% |
| 182 68.9 | 2 96 Population requiring | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU | district level in | 10 nplementation SAC (sub-IU Vaicity) | 0.096 riation in SAC and |
| 182 68.9 # of sub-IUs | Population requiring # of SAC (IU ender | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 | Over Treatm 53 20.1% inplementation versus y sub # of PZQ for SAC (IU endemicity) | - district level in # of PZQ for sendem 1,564 | 10 nplementation SAC (sub-IU Vaicity) | 0.0% riation in SAC and PZQ estimates |
| 182 68.9 # of sub-IUs | Population requiring # of SAC (IU ender | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocation SAC unecessarily | - district level in # of PZQ for sendem 1,564 | 10 nplementation SAC (sub-IU Vaicity) 913 | 0.0% riation in SAC and PZQ estimates |
| # of sub-IUs 264 | Population requiring # of SAC (IU ender | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a | Over Treatm 53 20.1% nplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocatio | - district level in # of PZQ for 3 endem 1,564 | 10 nplementation SAC (sub-IU Vaicity) .913 | 0.0% riation in SAC and PZQ estimates -5.7% |
| # of sub-IUs 264 # of sub-IUs | Population requiring # of SAC (IU ender 663,614 SAC adequately to | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatment | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocation SAC unecessarily treated 98,620 | # of PZQ for 9 endem 1,564, | 10 nplementation SAC (sub-IU Vaicity) .913 | riation in SAC and PZQ estimates -5.7% |
| # of sub-IUs 264 # of sub-IUs 264 | Population requiring # of SAC (IU ender 663,614 SAC adequately to 455,940 Numl | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatment 60,956 ber of sub-districts by endemicity and sub-districts by ende | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocation SAC unecessarily treated 98,620 | district level in # of PZQ for sendem 1,564, n Unclaime 152,3 | 10 Inplementation SAC (sub-IU Vaicity) 1913 d drugs 399 | riation in SAC and PZQ estimates -5.7% |
| # of sub-IUs 264 # of sub-IUs | Population requiring # of SAC (IU ender 663,614 SAC adequately to | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicit 2 Use IU endemicit | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocatio nt SAC unecessarily treated 98,620 city categories with the final | # of PZQ for sendem 1,564, Unclaime 152,3 | 10 Inplementation SAC (sub-IU Vaicity) 913 d drugs 899 | riation in SAC and PZQ estimates -5.7% |
| # of sub-IUs 264 # of sub-IUs 264 | Population requiring # of SAC (IU ender 663,614 SAC adequately to 455,940 Numl | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicit 2 Use IU endemicit | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocatio nt SAC unecessarily treated 98,620 city categories with the final | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | 10 Inplementation SAC (sub-IU Vaicity) 913 d drugs 899 | riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 |
| # of sub-IUs 264 # of sub-IUs 264 inal Endemicity ategory | Population requiring # of SAC (IU ender 663,614 SAC adequately tr 455,940 Numl 1. Use sub- endemicit | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicity 2. Use IU endemicity | Over Treatm 53 20.1% nplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocatio nt SAC unecessarily treated 98,620 city categories with the final ty 3. Use JRSM endemicit | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | 10 Inplementation SAC (sub-IU Vaicity) 913 d drugs 899 | riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 |
| # of sub-IUs 264 # of sub-IUs 264 inal Endemicity ategory lot endemic | Population requiring # of SAC (IU ender 663,614 SAC adequately tr 455,940 Numl 1. Use sub- endemicit | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicity 2. Use IU endemicity | Over Treatm 53 20.1% nplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocatio nt SAC unecessarily treated 98,620 city categories with the final ty 3. Use JRSM endemicit | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | 10 Inplementation SAC (sub-IU Vaicity) 913 d drugs 899 | riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 Total |
| # of sub-IUs 264 # of sub-IUs 264 inal Endemicity ategory ot endemic ow loderate | Population requiring # of SAC (IU ender 663,614 SAC adequately tr 455,940 Numl 1. Use sub- endemicit 126 95 | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicity 18 244 368 | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 Ind Inefficient PZQ Allocation SAC unecessarily treated 98,620 city categories with the final ty 3. Use JRSM endemicit 18 15 100 | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | 10 Inplementation SAC (sub-IU Vaicity) 913 d drugs 899 | riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 Total 162 354 622 |
| # of sub-IUs 264 # of sub-IUs 264 inal Endemicity ategory lot endemic ow loderate ligh | Population requiring # of SAC (IU ender 663,614 SAC adequately to 455,940 Numl 1. Use sub- endemiciti 126 95 154 | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicity 18 244 | Over Treatm 53 20.1% nplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 nd Inefficient PZQ Allocatio nt SAC unecessarily treated 98,620 city categories with the final ty 3. Use JRSM endemicit 18 15 | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | 10 Inplementation SAC (sub-IU Vaicity) 1913 d drugs 199 further iment | 264 0.0% riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 Total 162 354 622 192 |
| # of sub-IUs 264 # of sub-IUs 264 inal Endemicity ategory lot endemic ow Moderate ligh | Population requiring # of SAC (IU ender 663,614 SAC adequately to 455,940 Numl 1. Use sub- endemiciti 126 95 154 | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicity 18 244 368 | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 and Inefficient PZQ Allocation SAC unecessarily treated 98,620 city categories with the final 18 15 100 27 | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | 10 Inplementation SAC (sub-IU Vaicity) 1913 d drugs 199 further iment | 7000 riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 Total 162 354 622 192 7 |
| # of sub-IUs 264 # of sub-IUs 264 inal Endemicity ategory | Population requiring # of SAC (IU ender 663,614 SAC adequately to 455,940 Numl 1. Use sub- endemiciti 126 95 154 | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicity 18 244 368 | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 Ind Inefficient PZQ Allocation SAC unecessarily treated 98,620 city categories with the final ty 3. Use JRSM endemicit 18 15 100 | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | 10 Inplementation SAC (sub-IU Vaicity) 1913 d drugs 199 further iment | 264 0.0% riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 Total 162 354 622 192 |
| # of sub-IUs 264 # of sub-IUs 264 inal Endemicity ategory lot endemic ow Moderate ligh | Population requiring # of SAC (IU ender 663,614 SAC adequately to 455,940 Numl 1. Use sub- endemiciti 126 95 154 | Under Treatment 29 11.0% PC and PZQ by district level in micity) # of SAC (sub-IU endemicity) 625,950 Treatment Inequity a reated SAC missing treatme 60,956 ber of sub-districts by endemicity 18 244 368 | Over Treatm 53 20.1% mplementation versus y sub # of PZQ for SAC (IU endemicity) 1,659,078 and Inefficient PZQ Allocation SAC unecessarily treated 98,620 city categories with the final 18 15 100 27 | # of PZQ for sendem 1,564, Unclaime 152,3 Il decision tree | and the second s | 7000 riation in SAC and PZQ estimates -5.7% Drugs misused 246,564 Total 162 354 622 192 7 |

Data Analysis Summary Report





VII.2.2.5. CÔTE D'IVOIRE

| | | Côt | e d'Ivo | ire | | | |
|--------------------------------|-------------------------------------|---------------------------------------|--------------------|-----------------------------|--------------------|-----------------|---------------------------------------|
| | Number of sub- | ·lUs | | Demogra | phy - Total, SA | C and adult pop | ulation |
| Province | IU | Sub-IU | Y | ear Tota | al Population | SAC Populatio | n Adult Populatio |
| 20 | 86 | 2,254 | | | 5,947,689 | 6,227,431 | 15,568,596 |
| | Numb | per of sub-districts by ende | emicity categorie | e by district me: | an prevalence | | |
| Not endemic | Low | Moderate | amercy categorie | High | Unkn | own | Total |
| 114 | 1,323 | 309 | | 45 | 46 | | 2,254 |
| 5.1% | 58.7% | 13.7% | | 2.096 | 20.5 | 506 | 100.0% |
| 3.170 | 30.7% | 15.770 | | 2.070 | 20 | 370 | 100.0% |
| | Number | of sub-districts by endemi | city categories b | y sub-district hig | ghest prevalen | ice | |
| Not endemic | Low | Moderate | | High | Unkn | | Total |
| 214 | 203 | 131 | | 26 | 1,68 | 30 | 2,254 |
| 9.5% | 9.0% | 5.8% | | 1.296 | 74.5 | 596 | 100.0% |
| | Changes in ende | emicity categories from dis | trict mean preva | lence to sub-dis | trict highest p | revalence | |
| | | | Endemi | icity category ca | Iculated (sub- | U) | |
| Freatment Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | Moderat | te | High | Total |
| Adequate | Not endemic | 21 | | | | | 21 |
| treatment | Low | | 105 | | | | 105 |
| | Moderate | | | 20 | | | 20 |
| Jnder Treatment | Low | | | 43 | | 2 | 45 |
| | Moderate | | | | | 6 | 6 |
| Over Treatment | Low | 87 | | | | | 87 |
| Total | Moderate | 108 | 11 116 | 63 | | 8 | 11 295 |
| | | Treatment Strategy Ad | equacy with Dist | rict Mean Preval | lence | | |
| Adequate to | reatment | Under Treatment | | Over Treatme | ent | | Total |
| 146 | 5 | 51 | | 98 | | | 295 |
| 49.5 | 96 | 17.3% | | 33.2% | | 1 | .00.096 |
| | Population requiring | PC and PZQ by district leve | el implementatio | on versus y sub- o | district level in | nplementation | |
| # of sub-IUs | # of SAC (IU ender | micity) # of SAC (sub- endemicity) | | ZQ for SAC (IU demicity) | # of PZQ for endem | | /ariation in SAC and PZQ estimates |
| 295 | 399,824 | 301,833 | S | 999,627 | 754, | 524 | -24.5% |
| | | Treatment Inequi | ty and Inefficient | t PZQ Allocation | | | |
| # of sub-IUs | SAC adequately to | reated SAC missing treat | ment | unecessarily treated | Unclaime | d drugs | Drugs misused |
| 295 | 182,208 | 39,278 | | 137,269 | 98,2 | 109 | 343,196 |
| | Num | ber of sub-districts by end | emicity categorie | es with the final | decision tree | | |
| Final Endemicity Category | 1. Use sub-IU | endemicity 2. Use | e IU endemicity | 3. Use J | RSM endemici | ty | Total |
| Not endemic | 214 | ı | 76 | | | | 290 |
| Low | 203 | 1 | 913 | | 71 | | 1,187 |
| | 131 | ı | 188 | | 342 | | 661 |
| | | | | | | | |
| Moderate High | 26 | | 40 | | 50 | | 116 |
| Moderate | 26 574 | | 40 1,217 | | 50 463 | | 2,254 |





VII.2.2.6. DRC

| | | | DRC | | | | |
|---|--|--|---|---|--|----------------|---------------------------------------|
| | Number of sub- | Us | | De | emography - Total, SA | AC and adult p | opulation |
| Province | IU | Sub-IU | J | Year | Total Population | SAC Populat | tion Adult Populatio |
| 26 | 519 | 8,999 | | 2018 | 103,139,835 | 36,099,14 | |
| | Al | | | and a second second | | | |
| 24.04000000000000 | | er of sub-districts by e | | | | | = 0.10 |
| Not endemic | Low 881 | Modera | | High 366 | Unkn | | Total |
| 873 | 881 | 4,328 |) | 300 | 2,5 | 52 | 9,000 |
| 9.7% | 9.8% | 48.19 | 6 | 4.196 | 28. | 496 | 100.096 |
| | Number | of sub-districts by ende | emicity categori | ies by sub-dist | trict highest prevaler | nce | |
| Not endemic | Low | Modera | ite | High | Unkn | own | Total |
| 359 | 135 | 702 | | 137 | 7,6 | 67 | 9,000 |
| 4.096 | 1.5% | 7.896 | | 1.5% | 85. | 296 | 100.0% |
| | Changes in ende | micity categories from | district mean n | revalence to | sub-district highest r | revalence | |
| | | | | | gory calculated (sub- | | |
| Treatment Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | | oderate | High | Total |
| Adequate | Not endemic | 143 | | | | | 143 |
| treatment | Low | | 74 | | 575 | | 74 |
| | Moderate | | | | 575 | 65 | 575 65 |
| Jnder Treatment | High | | | | 29 | 05 | 29 |
| muer freatment | Moderate | | | | | 65 | 65 |
| Over Treatment | Moderate | 160 | 32 | | | | 192 |
| Total | High | 303 | 106 | | 18 622 | 130 | 18 1,161 |
| | ' | Treatment Strategy | Adequacy with | District Mean | Prevalence | | |
| Adequate to | reatment | Under Treatment | (17) 7) | | eatment | | Total |
| 857 | | 94 | | 2 | 10 | | 1,161 |
| 73.8 | 96 | 8.1% | | 18 | .1% | | 100.0% |
| | Population requiring | PC and PZQ by district | level implemen | tation versus | y sub- district level in | mplementatio | n |
| # of sub-IUs | # of SAC (IU ender | #ofSAC(s | ub-IU # | of PZQ for SA(endemicity) | C (IU # of PZQ for | SAC (sub-IU | Variation in SAC and PZQ estimates |
| 1,161 | 2,482,118 | | 10.7.7.1 | 6,205,453 | | 0.00.0.5.6 | -11.496 |
| | | | | | | | |
| | | Treatment Ine | quity and Ineffi | cient P70 Allo | cation | | |
| # of sub.IIIs | SAC adaquataly to | | quity and Ineffi | cient PZQ Allo | rilv | od drugs | Drugs misused |
| # of sub-IUs | • | eated SAC missing to | reatment | SAC unecessar treated | rily Unclaime | - | Drugs misused |
| # of sub-IUs 1,161 | 1,747,621 | eated SAC missing to | reatment S | SAC unecessar treated 450,772 | rily Unclaime 418, | - | Drugs misused 1,126,963 |
| | 1,747,621 | eated SAC missing to | reatment S | SAC unecessar treated 450,772 | rily Unclaime 418, | - | |
| | 1,747,621 | eated SAC missing to 167,20 per of sub-districts by e | reatment S | SAC unecessar treated 450,772 gories with th | rily Unclaime 418, | 032 | |
| 1,161 Final Endemicity | 1,747,621 Numl | eated SAC missing to 167,20 per of sub-districts by eandemicity 2. | reatment 500 endemicity cate | SAC unecessar treated 450,772 gories with th | rily Unclaime 418, e final decision tree | 032 | 1,126,963 |
| 1,161 Final Endemicity Category | 1,747,621 Numl | eated SAC missing to 167,20 per of sub-districts by e endemicity 2. | reatment 500 endemicity cate | SAC unecessar treated 450,772 gories with th | Unclaime 418, te final decision tree 3. Use JRSM endemic | 032 | 1,126,963 Total |
| 1,161 Final Endemicity Category Not endemic | 1,747,621 Numl 1. Use sub-IU | eated SAC missing to 167,20 per of sub-districts by e endemicity 2. | reatment Solution of the content of | SAC unecessar treated 450,772 gories with th | Unclaime 418, se final decision tree B. Use JRSM endemice | 032 | 1,126,963 Total 2,874 |
| 1,161 Final Endemicity Category Not endemic | 1,747,621 Numl 1. Use sub-IU 359 | eated SAC missing to 167,20 per of sub-districts by expendemicity 2. | reatment Solo Oceandemicity cate Use IU endemic 723 701 | SAC unecessar treated 450,772 gories with th | Unclaime 418, se final decision tree 3. Use JRSM endemic 1,792 550 | 032 | 1,126,963 Total 2,874 1,386 |
| 1,161 Final Endemicity Category Not endemic Low Moderate | 1,747,621 Numl 1. Use sub-IU 359 135 | eated SAC missing to 167,20 per of sub-districts by endemicity 2. | reatment Solution of the content of | SAC unecessar treated 450,772 gories with th | Unclaime 418, se final decision tree 8. Use JRSM endemic 1,792 550 187 | 032 | 1,126,963 Total 2,874 1,386 4,299 |





VII.2.2.7. **GABON**

| | | | Gabon | | | |
|------------------------------|----------------------|----------------------------------|-----------------------------|-----------------------------|-------------------|---|
| | Number of sub | -IUs | | Demography - Total, SA | C and adult popul | ation |
| Province | IU | Sub-IU | Year | Total Population | SAC Population | Adult Populatio |
| 10 | 51 | 229 | 2019 | 2,039,968 | 550,332 | 1,298,785 |
| | | | | | 550,552 | 2,230,703 |
| | | | ndemicity categories by di | | _ | |
| Not end | | Low 173 | M | loderate 26 | | otal 30 |
| | | | | | | |
| 13.5 | 96 | 75.2% | | 11.3% | 100 | 0.096 |
| | Number | of sub-districts by ende | micity categories by sub-d | listrict highest prevalen | ice | |
| Not endemi | с | Low | Moderate | Unknown | | Total |
| 27 | | 55 | 16 | 132 | | 230 |
| 11.796 | | 23.9% | 7.0% | 57.4% | | 100.0% |
| | Changes in end | emicity categories from | district mean prevalence t | o sub-district highest p | revalence | |
| | enanges in ena | ennerty categories main | | tegory calculated (sub- | | |
| Treatment | Endemicity category | Not endemic | Low | Moderat | . 1 | Total |
| Strategy Adequacy | | Chair account a moral | LOW | Modera | te | 0.0000000000000000000000000000000000000 |
| Adequate treatment | Not endemic | 12 | | | | 12 |
| treatment | Low | | 50 | | | 50 |
| | Moderate | | | 3 | | 3 |
| Under Treatment | | 10 | | 10 | | 10 |
| Over Treatment | Low | 12 | | | | 12 |
| T . I | Moderate | 3 | 2 52 | 42 | | 5 |
| Total | | 27 | 52 | 13 | | 92 |
| | | Treatment Strategy | Adequacy with District Me | ean Prevalence | | |
| Adequate to | | Under Treatment | Over | Treatment | | otal |
| 65 | | 10 | | 17 | | 92 |
| 70.7 | 96 | 10.9% | | 18.5% | 10 | 0.0% |
| | Population requiring | PC and PZQ by district | level implementation vers | us y sub- district level ir | nplementation | |
| # of sub-IUs | # of SAC (IU ende | micity) # of SAC (si endemici | | | | riation in SAC and PZQ estimates |
| 92 | 126,533 | 122,17 | 5 316,35 | 3 305, | 452 | -3.4% |
| | | Treatment Ine | quity and Inefficient PZQ A | llocation | | |
| # of sub-IUs | SAC adequately t | reated SAC missing tr | eatment SAC unecess | Unclaime | d drugs | Drugs misused |
| 92 | 113,348 | 2,843 | treated 7,201 | 7,1: | 11 | 18,006 |
| | Num | har of sub-districts by a | ndemicity categories with | | | |
| | Null | iber of sub-districts by e | ndefinitity categories with | the final decision tree | | |
| Final Endemicity Category | 1. Use s | ub-IU endemicity | 2. Use IU end | emicity | Total | al |
| Not endemic | | 27 | 19 | | 46 | |
| Low | | 55 | 95 | | 150 | |
| | | 16 | 18 | | 34 | |
| Moderate | | | | | | |
| Moderate Fotal | | 98 | 132 | | 230 |) |



VII.2.2.8. **GHANA**

| | | | Ghana | | | | |
|--|--|---|---|--|---|-----------------|--------------------------------------|
| | Number of sub- | IUs | | Demogr | aphy - Total, SA | C and adult pop | ulation |
| Province | IU | Sub-IU | | Year To | tal Population | SAC Populatio | n Adult Populatio |
| 16 | 260 | 1,375 | | | 30,575,341 | 7,490,973 | 18,864,984 |
| | | | | | | | |
| | Numb | er of sub-districts by end | emicity categor | es by district m | ean prevalence | | |
| Not endemic | Low | Moderate | | High | Unkn | own | Total |
| 95 | 280 | 238 | | 117 | 64 | 5 | 1,375 |
| 6.9% | 20.4% | 17.3% | | 8.5% | 46.9 | 996 | 100.0% |
| | Number | of sub-districts by endem | icity categories | by sub-district h | ighest prevalen | ce | |
| Not endemic | Low | Moderate | | High | Unkn | own | Total |
| 31 | 70 | 45 | | 31 | 1,19 | 98 | 1,375 |
| 2.3% | 5.1% | 3.396 | | 2.396 | 87.1 | 196 | 100.0% |
| | Changes in ende | micity categories from di | strict mean prev | alence to sub-di | strict highest p | revalence | |
| | | | Enden | nicity category o | alculated (sub- | U) | |
| Treatment Strategy Adequacy | | Not endemic | Low | Moder | ate | High | Total |
| Adequate | Not endemic Low | 20 | 55 | | | | 20 55 |
| Treatment | Moderate | | 33 | 41 | | | 41 |
| | High | | | | | 23 | 23 |
| Jnder Treatment | Low | | | 3 | | | 3 |
| | Moderate | | | | | 8 | 8 |
| Over Treatment | Low Moderate | 4 2 | 8 | | | | 4 10 |
| Total | Moderate | 26 | 63 | 44 | | 31 | 164 |
| | | Treatment Strategy Ad | lequacy with Dis | trict Mean Prev | alence | | |
| Adequate Tr | reatment | Under Treatment | | Over Treatm | ient | | Total |
| 139 |) | 11 | | 14 | | | 164 |
| 84.8 | 96 | 6.7% | | 8.5% | | 1 | 00.096 |
| | Population requiring | PC and PZQ by district lev | vel implementat | on versus v sub | - district level in | nplementation | |
| # of sub-IUs | | # of SAC (sub | | ZQ for SAC (IU | # of PZQ for | | ariation in SAC and |
| # 01 500-105 | # of SAC (IU ender | endemicity |) е | ndemicity) | endem | icity) | PZQ estimates |
| 164 | 382,303 | 379,261 | | 955,786 | 948, | 182 | -0.896 |
| | | Treatment Inequi | ity and Inefficier | nt PZQ Allocatio | n | | |
| | | | | upococcarily | | | Drugs misused |
| # of sub-IUs | SAC adequately to | reated SAC missing trea | tment | unecessarily treated | Unclaime | d drugs | |
| # of sub-IUs | SAC adequately to | reated SAC missing trea 16,174 | tment | The same of the sa | Unclaime 40,4 | - | 48,043 |
| | 331,893 | | tment | treated 19,216 | 40,4 | - | _ |
| | 331,893 | 16,174 ber of sub-districts by end | tment | treated 19,216 ies with the fina | 40,4 | 38 | _ |
| 164 Final Endemicity | 331,893 Numl | 16,174 ber of sub-districts by endemicity 2. Us | tment Jemicity categor | treated 19,216 ies with the fina | 40,4 Il decision tree | 38 | 48,043 |
| 164 Final Endemicity Category | 331,893 Numl 1. Use sub-IU | 16,174 ber of sub-districts by end endemicity 2. Us | lemicity categor | treated 19,216 ies with the fina | 40,4 Il decision tree | 38 | 48,043 Total |
| 164 Final Endemicity Category Not endemic | 331,893 Numl 1. Use sub-IU | 16,174 ber of sub-districts by end endemicity 2. Us | lemicity categor e IU endemicity 74 | treated 19,216 ies with the fina | 40,4 Il decision tree JRSM endemici | 38 | 48,043 Total 105 |
| 164 Final Endemicity Lategory Not endemic | 331,893 Numl 1. Use sub-IU 31 70 | 16,174 ber of sub-districts by end endemicity 2. Us | lemicity categor e IU endemicity 74 216 | treated 19,216 ies with the fina | 40,4 Il decision tree JRSM endemici | 38 | 48,043 Total 105 321 |
| final Endemicity Category Not endemic .ow Moderate | 331,893 Numl 1. Use sub-IU 31 70 45 | 16,174 ber of sub-districts by end endemicity 2. Us | lemicity categor e IU endemicity 74 216 175 | treated 19,216 ies with the fina | 40,4 Il decision tree JRSM endemici 35 252 | 38 | 48,043 Total 105 321 472 |
| Final Endemicity Category Not endemic | 331,893 Numl 1. Use sub-IU 31 70 45 | 16,174 ber of sub-districts by end endemicity 2. Us | lemicity categor e IU endemicity 74 216 175 | treated 19,216 ies with the fina | 40,4 Il decision tree JRSM endemici 35 252 31 | 38 | 48,043 Total 105 321 472 150 |





VII.2.2.9. GUINEA

| | | | Guine | a | | | |
|------------------------------|-----------------------|-----------------------------|-----------------|-------------------------|----------------------|----------------|----------------------|
| | Number of sub- | Us | | Demo | graphy - Total, S | AC and adult p | opulation |
| Province | IU | Sub-IU | | Year 1 | Total Population | SAC Populat | ion Adult Populatio |
| 8 | 38 | 384 | | 2019 | 12,191,247 | 3,047,86 | |
| | Niconale | | | | | | |
| No. | | er of sub-districts by end | | ories by district | | • | T.1.1 |
| Not endemic 49 | c | Low 93 | Moderate 119 | | High 123 | | Total 384 |
| 12.00/ | | 4 20/ | 21.00/ | | | | 100.004 |
| 12.8% | 2 | 4.296 | 31.0% | | 32.0% | | 100.0% |
| | Number | of sub-districts by endem | icity categori | es by sub-district | t highest prevale | nce | |
| Not endemic | Low | Moderate | | High | | nown | Total |
| 40 | 25 | 30 | | 45 | 2 | 44 | 384 |
| 10.496 | 6.596 | 7.896 | | 11.796 | 63 | .5% | 100.0% |
| | Changes in ende | micity categories from di | | | | | |
| reatment | Endemicity category | | End | lemicity category | y calculated (sub | -10) | |
| Strategy Adequacy | calculated (IU) | Not endemic | Low | Mode | erate | High | Total |
| Adequate | Not endemic Low | 16 | 15 | | | | 16 15 |
| reatment | Moderate | | 10 | 2 | 1 | | 21 |
| | High | | | | | 32 | 32 |
| Inder Treatment | | | | 3 | 3 | | 3 |
| T | Moderate Low | 4 | | | | 11 | 11 |
| over Treatment | Moderate | 7 | 7 | | | | 7 |
| | High | | - | 5 | 5 | | 5 |
| otal | | 20 | 22 | 2 | 9 | 43 | 114 |
| | | Treatment Strategy Ad | dequacy with | District Mean Pr | evalence | | |
| Adequate tr | reatment | Under Treatment | | Over Treat | tment | | Total |
| 84 | | 14 | | 16 | ************ | | 114 |
| 73.79 | 96 | 12.3% | | 14.0% | 5 | | 100.0% |
| | Population requiring | PC and PZQ by district lev | vel implement | ation versus v si | ıh- district level i | implementatio | n |
| | r opulation requiring | # of SAC (sub | | of PZQ for SAC (II | | SAC (sub-IU | Variation in SAC and |
| # of sub-IUs | # of SAC (IU ender | endemicity | | endemicity) | | micity) | PZQ estimates |
| 114 | 617,152 | 667,241 | | 1,542,901 | 1,66 | 8,121 | 8.1% |
| | | Treatment Inequ | ity and Ineffic | ient PZQ Allocat | ion | | |
| # of sub-IUs | SAC adequately tr | eated SAC missing trea | etment S | AC unecessarily treated | Unclaim | ed drugs | Drugs misused |
| 114 | 434,804 | 83,654 | | 33,565 | 209 | ,140 | 83,916 |
| | Numt | per of sub-districts by end | demicity cate | gories with the fi | nal decision tree | | |
| Final Endemicity Category | 1. Use su | b-IU endemicity | 2. | Use IU endemicit | ty | | Total |
| Not endemic | | 40 | | 25 | | | 65 |
| | | 25 | | 60 | | | 85 |
| | | | | 77 | | | 107 |
| Low | | 30 | | // | | | |
| Low Moderate High | | 30 45 | | 82 | | | 127 |
| Low Moderate | | | | | | | |



VII.2.2.10. KENYA

| | | | Kenya | | | | |
|--|----------------------|----------------------------|--------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| | Number of sub- | | | Demograph | ıy - Total, SA | C and adult pop | ulation |
| Province | IU | Sub-IU | | | | | |
| 47 | 290 | 1,448 | | | Population 485,015 | SAC Population 13,883,360 | n Adult Populatio 28,826,948 |
| -7/ | 230 | 2,110 | | 023 | ,00,020 | 25,005,500 | 20,020,540 |
| | Numb | er of sub-districts by end | emicity categorie | s by district mean | prevalence | | |
| Not endemic | Low | Moderate | | High | Unkn | | Total |
| 637 | 202 | 293 | | 28 | 29 | 0 | 1,450 |
| 43.9% | 13.9% | 20.2% | | 1.9% | 20.0 | 096 | 100.0% |
| | Number | of sub-districts by endemi | icity categories b | y sub-district high | est prevaler | ice | |
| Not endemic | Low | Moderate | | High | Unkn | own | Total |
| 263 | 57 | 134 | | 49 | 94 | 7 | 1,450 |
| 18.1% | 3.9% | 9.296 | | 3.496 | 65.3 | 396 | 100.0% |
| | Changes in ende | micity categories from di | strict mean preva | alence to sub-distr | ict highest p | revalence | |
| | | _ | | icity category calc | | | |
| Treatment Strategy Adequacy | Endemicity category | Not endemic | Low | Moderate | | High | Total |
| Adequate | Not endemic | 180 | | | | | 180 |
| reatment | Low | | 29 | | | | 29 |
| | Moderate | | | 89 | | | 89 |
| | High | | | 3 | | 9 | 9 |
| Inder Treatment | Low Moderate | | | 5 | | 20 | 20 |
| Over Treatment | Low | 22 | | | | 20 | 22 |
| over freatment | Moderate | 4 | 9 | | | | 13 |
| Total | | 206 | 38 | 92 | | 29 | 365 |
| | | Treatment Strategy Ad | lequacy with Dist | rict Mean Prevale | nce | | |
| Adequate T | reatment | Under Treatment | | Over Treatment | t | | Total |
| 307 | , | 23 | | 35 | | | 365 |
| 84.1 | 96 | 6.3% | | 9.6% | | 1 | 00.0% |
| | Population requiring | PC and PZQ by district lev | vel implementation | on versus y sub- dis | strict level in | nplementation | |
| # of sub-IUs | # of SAC (IU enden | # of SAC (sub- | | | of PZQ for | | ariation in SAC and |
| | 23 | endemicity | 6 | demicity) | endem | ** | PZQ estimates |
| 365 | 784,130 | 773,626 | 1 | ,960,359 | 1,934 | ,095 | -1.3% |
| | | Treatment Inequi | ··· | | | | |
| # of sub-IUs | SAC adequately tr | eated SAC missing trea | tment | unecessarily treated | Unclaime | d drugs | Drugs misused |
| 365 | 542,088 | 99,140 | | 109,644 | 247, | 857 | 274,118 |
| | Numb | er of sub-districts by end | lemicity categori | es with the final de | ecision tree | | |
| Final Endemicity Category | 1. Use sub-IU (| endemicity 2. Us | e IU endemicity | 3. Use JRS | SM endemici | ty | Total |
| , | 263 | | 408 | | 213 | | 884 |
| | | | | | | | 175 |
| Not endemic | 57 | | 118 | | | | |
| Not endemic Low | | | 118 | | 70 | | 332 |
| Not endemic Low Moderate High | 57 | | | | 70 | | 332 59 |
| Not endemic .ow Moderate | 57 134 | | 128 | | 70 | | |





VII.2.2.11. MADAGASCAR

| | | Ma | dagas | car | | | |
|--|--|--|---|---|---|------------------|--------------------------------------|
| | Number of sub- | IUs | | Demo | graphy - Total, SA | C and adult popu | ılation |
| Province | IU | Sub-IU | | Year T | otal Population | SAC Population | Adult Populatio |
| 22 | 114 | 1,640 | | 2018 | 26,872,591 | 7,389,970 | 15,183,022 |
| | | | | | | | |
| | | er of sub-districts by end | | | | | |
| Not endemic | Low | Moderate | | High | Unkn | | Total |
| 18 | 149 | 355 | | 286 | 93 | 3 | 1,741 |
| 1.0% | 8.6% | 20.4% | | 16.4% | 53.6 | 596 | 100.0% |
| | Number | of sub-districts by endem | icity categories | by sub-district | highest prevalen | ce | |
| Not endemic | Low | Moderate | | High | Unkn | own | Total |
| 13 | 39 | 51 | | 85 | 1,5 | 53 | 1,741 |
| 0.7% | 2.296 | 2.996 | | 4.996 | 89.2 | 296 | 100.0% |
| | Changes in ende | micity categories from di | istrict mean pre | valence to sub- | district highest p | revalence | |
| | | | Ende | micity category | calculated (sub- | U) | |
| Treatment Strategy Adequacy | | Not endemic | Low | Mode | erate | High | Total |
| Adequate treatment | Not endemic Low | 2 | 15 | | | | 2 15 |
| reatment | Moderate | | | 30 | 0 | | 30 |
| Under Treatment | High Low | | | 6 | | 41 | 41 6 |
| under Freatment | Moderate | | | | | 23 | 23 |
| Over Treatment | Low | 1 4 | 19 | | | | 1 23 |
| | Moderate High | 4 | 19 | 6 | | | 6 |
| Total | | 7 | 34 | 42 | 2 | 64 | 147 |
| | | Treatment Strategy A | dequacy with D | istrict Mean Pre | evalence | | |
| Adequate tr | reatment | Under Treatment | | Over Treat | ment | 1 | Total |
| 88 | | 29 | | 30 | | | 147 |
| 59.99 | 96 | 19.7% | | 20.4% | | 10 | 00.0% |
| | Population requiring | PC and PZQ by district le | vel implementa | tion versus y su | b- district level in | nplementation | |
| # of sub-IUs | # of SAC (IU ender | nicity) # of SAC (sub endemicity | | PZQ for SAC (IU | # of PZQ for endem | | ariation in SAC and PZQ estimates |
| 147 | 401,464 | 413,778 | | 1,003,687 | 1,034 | ,474 | 3.1% |
| | | | | | | | |
| | | Treatment Inequ | ity and Inefficie | ent PZQ Allocati | on | | |
| # of sub-IUs | SAC adequately tr | reated SAC missing trea | SΔ | ent PZQ Allocati C unecessarily treated | on Unclaime | d drugs | Drugs misused |
| # of sub-IUs | SAC adequately tr 269,680 | • | SΔ | C unecessarily | | _ | Drugs misused 97,998 |
| | 269,680 | reated SAC missing trea | stment SA | C unecessarily treated 39,195 | Unclaime 128, | _ | |
| | 269,680 | reated SAC missing tree 51,509 per of sub-districts by end | stment SA | C unecessarily treated 39,195 rries with the fir | Unclaime 128, | 782 | |
| 147 Final Endemicity | 269,680 Numb | reated SAC missing tree 51,509 per of sub-districts by end | atment SA | C unecessarily treated 39,195 rries with the fir | Unclaime 128, nal decision tree | 782 | 97,998 |
| 147 Final Endemicity Category | 269,680 Numb | reated SAC missing tree 51,509 per of sub-districts by end | stment SA | C unecessarily treated 39,195 rries with the fir | Unclaime 128; nal decision tree se JRSM endemici | 782 | 97,998 Total |
| 147 Final Endemicity Category Not endemic | 269,680 Numb 1. Use sub-IU | reated SAC missing tree 51,509 per of sub-districts by endemicity 2. Us | stment SA demicity catego se IU endemicity | C unecessarily treated 39,195 rries with the fir | Unclaime 128, nal decision tree se JRSM endemici 82 | 782 | 97,998 Total |
| Final Endemicity Category Not endemic | 269,680 Numt 1. Use sub-IU (13 | seated SAC missing tree 51,509 Der of sub-districts by endemicity 2. Us | stment SA demicity catego se IU endemicity 16 119 | C unecessarily treated 39,195 rries with the fir | Unclaime 128, nal decision tree se JRSM endemici 82 295 | 782 | 97,998 Total 111 453 |
| Final Endemicity Category Not endemic Low Moderate | 269,680 Numb 1. Use sub-IU 0 13 39 | seated SAC missing tree 51,509 per of sub-districts by endemicity 2. Us | demicity categorse IU endemicity 16 119 267 | C unecessarily treated 39,195 rries with the fir | Unclaime 128, nal decision tree se JRSM endemici 82 295 403 | 782 | 97,998 Total 111 453 721 |



VII.2.2.12. MALAWI

| Not endemic Low Moderate High Total | | | M | lalaw | /i | | | |
|--|--|----------------------|-------------------------------|---------------|-----------------------|-----------------|-----------------|---------------------|
| Number of sub-districts by endemicity categories by district mean prevalence | | Number of sub- | ·lUs | | Demogra | phy - Total, SA | AC and adult po | opulation |
| Number of sub-districts by endemicity categories by district mean prevalence | Province | III | Sub-III | | Vear Tota | al Population | SAC Populat | ion Adult Populatio |
| Not endemic Low | | | | | | | | n againe and an ag |
| Not endemic Low | | | | | | | | |
| | | | per of sub-districts by endem | nicity catego | ries by district me | an prevalence | | |
| Not endemic | | lemic | | | | | | |
| Number of sub-districts by endemicity categories by sub-district highest prevalence | 9 | | 328 | | 94 | | | 431 |
| Not endemic | 2.19 | 6 | 76.1% | | 21.8% | | | 100.096 |
| 12.5% 20.2% 26.0% 1.9% 39.4% 100.0% | | Number | of sub-districts by endemicit | ty categorie | s by sub-district hig | ghest prevaler | nce | |
| 12.5% 20.2% 26.0% 1.9% 39.4% 100.0% | Not endemic | Low | Moderate | | High | Unkn | iown | Total |
| Changes in endemicity categories from district mean prevalence to sub-district highest prevalence Endemicity category calculated (sub-IU) | 54 | 87 | 112 | | 8 | 17 | 70 | 431 |
| Endemicity category calculated (sub-IU) Treatment Endemicity category calculated (sub-IU) Total | 12.5% | 20.2% | 26.0% | | 1.9% | 39. | 496 | 100.0% |
| Endemicity category calculated (sub-IU) Treatment Endemicity category calculated (sub-IU) Total | | Changes in ende | emicity categories from distr | rict mean pro | evalence to sub-dis | trict highest p | prevalence | |
| Treatment Endemicity category Not endemic Low Moderate High Total | | • | | | | | | |
| Strategy Adequate | Treatment | | Not endemic | | | | TI. | Total |
| Treatment | | | | 2011 | Woderd | | · · · · · | 12/11/11/11 |
| Under Treatment | | | - | 64 | | | | |
| Moderate | | Moderate | | | | | | 35 |
| Adequate Treatment Low A8 | Under Treatment | - | | | 48 | | | - 10 |
| Treatment Strategy Adequacy with District Mean Prevalence | Over Treatment | | 48 | | | | 4 | |
| Treatment Strategy Adequacy with District Mean Prevalence | over meatment | | | 2 | | | | |
| Adequate Treatment | Total | | 51 | 66 | 83 | | 4 | 204 |
| 100 52 52 204 | | | Treatment Strategy Adec | quacy with D | istrict Mean Preva | lence | | |
| 100 52 52 204 | Adequate Ti | reatment | Under Treatment | | Over Treatme | ent | | Total |
| Population requiring PC and PZQ by district level implementation versus y sub- district level implementation # of sub-IUs # of SAC (IU endemicity) # of SAC (sub-IU endemicity) # of PZQ for SAC (IU # of PZQ for SAC (sub-IU endemicity) # of PZQ estimates 204 1,275,789 1,244,158 3,189,521 3,110,422 -2.5% Treatment Inequity and Inefficient PZQ Allocation # of sub-IUS SAC adequately treated SAC missing treatment SAC unecessarily treated treated treated to the sub-IUs endemicity treated to the sub-IUs endemicity and inefficient PZQ Allocation Number of sub-districts by endemicity categories with the final decision tree Final Endemicity endemicity 1. Use sub-IU endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity | Commence of the Commence of th | | 52 | | 52 | | | 204 |
| # of sub-IUs # of SAC (IU endemicity) # of SAC (sub-IU endemicity) # of PZQ for SAC (sub-IU endemicity) # of PZQ for SAC (sub-IU PZQ estimates | 49.0 | 96 | 25.5% | | 25.5% | | | 100.096 |
| # of sub-IUs # of SAC (IU endemicity) # of SAC (sub-IU endemicity) # of PZQ for SAC (sub-IU endemicity) # of PZQ for SAC (sub-IU PZQ estimates | | Decodetice according | DC and DZO by district lavel | : | | #1-#1-# 11 to | | |
| # of Sub-IUs # of SAC (IU endemicity) endemicity) endemicity) endemicity) endemicity) PZQ estimates 204 1,275,789 1,244,158 3,189,521 3,110,422 -2.5% Treatment Inequity and Inefficient PZQ Allocation # of sub-IUs SAC adequately treated SAC missing treatment treated treated 204 685,546 199,481 231,112 498,716 577,795 Number of sub-districts by endemicity categories with the final decision tree Final Endemicity endemicity endemicity and Inefficient PZQ Allocation # of sub-IUs SAC adequately treated SAC missing treatment treated 231,112 498,716 577,795 Number of sub-districts by endemicity categories with the final decision tree Final Endemicity endemicity 2. Use IU endemicity 3. Use JRSM endemicity endemicity endemicity endemicity 2. Use IU endemicity 12 66 Low 85 13 13 111 Moderate 108 8 22 138 High 8 8 4 20 Unknown 5 91 96 Total 260 13 16 142 431 | | Population requiring | | | | | | |
| Treatment Inequity and Inefficient PZQ Allocation | # of sub-IUs | # of SAC (IU ender | micity) | J # of | | | | |
| # of sub-IUs | 204 | 1,275,789 | 1,244,158 | | 3,189,521 | 3,110 | ,422 | -2.5% |
| # of sub-IUS SAC adequately treated SAC missing treatment treated Unclaimed drugs Drugs misused 204 685,546 199,481 231,112 498,716 577,795 Number of sub-districts by endemicity categories with the final decision tree Final Endemicity Category 1. Use sub-IU endemicity 2. Use IU endemicity 3. Use JRSM endemicity endemicity endemicity 1. Use highest adjacent endemicity endemicity 1. Use highest adjacent endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity | | | Treatment Inequity | and Ineffici | ent PZQ Allocation | | | |
| Number of sub-districts by endemicity categories with the final decision tree | # of sub-IUs | SAC adequately to | reated SAC missing treatm | nent SA | | Unclaime | ed drugs | Drugs misused |
| Final Endemicity Category 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 2. Use IU endemicity 3. Use JRSM endemicity 4. Use highest adjacent endemicity 4. Use highest adjacent endemicity 4. Use highest adjacent endemicity 5. It is a sequence of the following sequence of t | 204 | 685,546 | 199,481 | | 231,112 | 498, | 716 | 577,795 |
| Category endemicity 2. Use IV endemicity 3. Use JRSM endemicity endemicity Total Not endemic 54 12 66 Low 85 13 13 111 Moderate 108 8 22 138 High 8 4 20 Unknown 5 91 96 Total 260 13 16 142 431 | | Num | ber of sub-districts by enden | nicity catego | ories with the final | decision tree | | |
| Low 85 13 13 111 Moderate 108 8 22 138 High 8 8 4 20 Unknown 5 91 96 Total 260 13 16 142 431 | Final Endemicity Category | | 2 Use III endemi | city 3. Us | e JRSM endemicity | | | Total |
| Moderate 108 8 22 138 High 8 8 4 20 Unknown 5 91 96 Total 260 13 16 142 431 | Not endemic | 54 | | | | 1 | 2 | 66 |
| High 8 8 4 20 Unknown 5 91 96 Total 260 13 16 142 431 | Low | 85 | 13 | | | 1 | 3 | 111 |
| Unknown 5 91 96 Total 260 13 16 142 431 | Moderate | 108 | | | 8 | 2 | 2 | 138 |
| Unknown 5 91 96 Total 260 13 16 142 431 | | 8 | | | 8 | 4 | 4 | 20 |
| Total 260 13 16 142 431 | - | | | | | | | |
| | | | 13 | | 16 | | | |
| 60.3% 3.0% 3.7% 32.9% 100.0% | iotai | 200 | 10 | | 10 | 1- | | -51 |
| | | 60.3% | 3.0% | | 3.7% | 32. | .996 | 100.0% |





VII.2.2.13. MALI

| | | | Mali | | | | |
|--------------------------------|----------------------|--|--------------------|-----------------------------|------------------------|-----------------|--------------------------------------|
| | Number of sub- | IUs | | Demograp | hy - Total, SA | C and adult pop | ulation |
| Province | IU | Sub-IU | Y | ear Total | Population | SAC Population | n Adult Populatio |
| 11 | 75 | 1,378 | | | 461,101 | 5,831,413 | 10,537,467 |
| | • | | | | | | |
| Not endemic | | er of sub-districts by end Moderate | emicity categorie | | Unkn | | Total |
| 116 | Low 265 | Moderate 555 | | High 204 | 24 | | 1,381 |
| | | | | | | | |
| 8.4% | 19.2% | 40.2% | | 14.8% | 17.5 | 596 | 100.0% |
| | Number | of sub-districts by endemi | city categories b | y sub-district high | est prevaler | ce | |
| Not endemic | Low | Moderate | | High | Unkn | own | Total |
| 34 | 51 | 82 | | 50 | 1,1 | 54 | 1,381 |
| 2.5% | 3.796 | 5.996 | | 3.696 | 84.3 | 396 | 100.0% |
| | Changes in ende | micity categories from dis | strict mean preva | lence to sub-distr | ict highest p | revalence | |
| | | | Endemi | icity category calc | ulated (sub- | U) | |
| Treatment Strategy Adequacy | Endemicity category | Not endemic | Low | Moderate | | High | Total |
| Adequate | Not endemic | 14 | | | | | 14 |
| reatment | Low | | 17 | | | | 17 |
| | Moderate | | | 35 | | 15 | 35 15 |
| Inder Treatment | High Low | | | 5 | | 12 | 5 |
| mder freatment | Moderate | | | | | 10 | 10 |
| Over Treatment | Low | 4 | | | | | 4 |
| | Moderate | 4 | 3 | 120 | | | 7 |
| otal | High | 22 | 20 | 1 41 | | 25 | 1 108 |
| | | Treatment Strategy Ad | lequacy with Dist | rict Mean Prevale | nce | | |
| Adequate to | reatment | Under Treatment | | Over Treatmen | t | | Total |
| 81 | | 15 | | 12 | | | 108 |
| 75.0 | 96 | 13.9% | | 11.1% | | 1 | 00.0% |
| | Population requiring | PC and PZQ by district lev | el implementatio | on versus y sub- di | strict level in | nplementation | |
| # of sub-IUs | # of SAC (IU ender | nicity) # of SAC (sub- endemicity) | | ZQ for SAC (IU demicity) | # of PZQ for the endem | | ariation in SAC and PZQ estimates |
| 108 | 327,896 | 340,247 | 8 | 319,758 | 850, | 534 | 3.8% |
| | | Treatment Inequi | ty and Inefficient | t PZQ Allocation | | | |
| # of sub-IUs | SAC adequately to | eated SAC missing trea | tment | unecessarily treated | Unclaime | d drugs | Drugs misused |
| 108 | 251,062 | 35,334 | | 22,983 | 88,3 | 41 | 57,460 |
| | Numi | per of sub-districts by end | emicity categorie | es with the final d | ecision tree | | |
| Final Endemicity Category | 1. Use sub-IU | endemicity 2. Us | e IU endemicity | 3. Use JR | SM endemici | ty | Total |
| Not endemic | 34 | | 88 | | | | 122 |
| .ow | 51 | | 217 | | 112 | | 380 |
| Moderate | 82 | | 451 | | 96 | | 629 |
| | 50 | | 167 | | 33 | | 250 |
| High | | | | | | | |
| figh Fotal | 217 | | 923 | | 241 | | 1,381 |





VII.2.2.14. NAMIBIA

| | | | Vamibi a | | | | |
|--|---------------------------------|--|---------------------|-------------------------|---------------------|--|--------------------------------|
| | Number of sub- | -IUs | | Demograph | ıy - Total, SA | C and adult pop | ulation |
| Dunnings | IU | Sub-IU | | | | | |
| Province 14 | 35 | 121 | | | opulation 75,057 | SAC Populatio 615,263 | n Adult Populatio 1,685,286 |
| 14 | 33 | 121 | | 019 2,0 | 73,037 | 013,203 | 1,005,200 |
| | Numl | ber of sub-districts by end | demicity categorie | s by district mean | prevalence | | |
| Not endemi | c | Low | Moderate | U | nknown | | Total |
| 33 | | 52 | 26 | | 10 | | 121 |
| 27.3% | 4 | 43.0% | 21.5% | | 8.3% | | 100.0% |
| | Number | of sub-districts by enden | nicity categories b | y sub-district high | est prevalen | ce | |
| Not endemic | Low | Moderate | : | High | Unkno | own | Total |
| 32 | 34 | 31 | | 7 | 17 | | 121 |
| 26.4% | 28.1% | 25.696 | | 5.8% | 14.0 | 96 | 100.0% |
| | Changes in ende | emicity categories from d | istrict mean preva | elence to sub-distri | ct highest p | revalence | |
| | enanges in ena | emercy categories it out a | | icity category calc | | | |
| Treatment Strategy Adequacy | Endemicity category | Not endemic | Low | Moderate | | High | Total |
| Adequate | Not endemic | 28 | | | | | 28 |
| Treatment | Low | | 19 | | | | 19 |
| | Moderate | | | 11 | | | 11 |
| Under Treatment | Low | | | 16 | | 1 | 17 |
| | Moderate | | | | | 4 | 4 |
| Over Treatment | Moderate | | 2 | | | | 2 |
| Total | | 28 | 21 | 27 | | 5 | 81 |
| | | Treatment Strategy A | dequacy with Dist | rict Mean Prevaler | nce | | |
| Adequate T | reatment | Under Treatment | | Over Treatment | . | | Total |
| 58 | | 21 | | 2 | | | 81 |
| 71.6 | 96 | 25.9% | | 2.5% | | 1 | .00.096 |
| | Population requiring | PC and PZQ by district le | vel implementatio | on versus v sub- dis | trict level in | plementation | |
| | | # of SAC (sul | | | of PZQ for S | | ariation in SAC and |
| # of sub-IUs | # of SAC (IU ende | micity) endemicity | | demicity) | endemi | AND A STATE OF THE | PZQ estimates |
| 81 | 118,789 | 135,946 | 2 | 296,981 | 339,8 | 172 | 14.4% |
| | | Treatment Inequ | ity and Inefficient | t PZQ Allocation | | | |
| | SAC adequately t | reated SAC missing tre | atment | unecessarily treated | Unclaime | d drugs | Drugs misused |
| # of sub-IUs | | | | | 40.0 | 20 | 6.022 |
| # of sub-IUs 81 | 85,032 | 19,566 | | 2,409 | 48,9 | 20 | 6,023 |
| | | 19,566 ber of sub-districts by en | demicity categoric | - 2 | | 20 | 0,023 |
| | | ber of sub-districts by en | demicity categorie | es with the final de | | | Total |
| 81 Final Endemicity | Num | ber of sub-districts by en endemicity 2. U | - | es with the final de | cision tree | | |
| 81 Final Endemicity Lategory Not endemic | Num | ber of sub-districts by en endemicity 2. U | se IU endemicity | es with the final de | cision tree | | Total |
| 81 Final Endemicity Category Not endemic | Num 1. Use sub-IU 32 | ber of sub-districts by en endemicity 2. U | se IU endemicity | es with the final de | cision tree | | Total 37 |
| Final Endemicity Category Not endemic | Num 1. Use sub-IU 32 34 | ber of sub-districts by en endemicity 2. U | se IU endemicity 5 | es with the final de | cision tree | | Total 37 35 |
| Final Endemicity Category Not endemic .ow Moderate | 1. Use sub-IU 32 34 31 | ber of sub-districts by en endemicity 2. U | se IU endemicity 5 | es with the final de | cision tree | | Total 37 35 32 7 |
| Final Endemicity Category Not endemic | 1. Use sub-IU 32 34 31 | endemicity 2. U | se IU endemicity 5 | es with the final de | cision tree | | Total 37 35 32 |



VII.2.2.15. NIGER

| | | N | liger | | | | |
|--------------------------------|----------------------|---|-------------------|---------------------------|---------------------|----------------|---------------------------------------|
| | Number of sub- | lUs | | Demogra | aphy - Total, SA | .C and adult p | opulation |
| Province | IU | Sub-IU | Ye | ar Tot | al Population | SAC Populat | ion Adult Populatio |
| 8 | 72 | 1,090 | 201 | | 2,424,629 | 6,727,43 | |
| | | | | | | | |
| | Numb | er of sub-districts by endemi | city categories | by district me | an prevalence | | |
| Not endemic | Low | Moderate | | High | Unkn | | Total |
| 9 | 452 | 485 | | 131 | 13 | | 1,090 |
| 0.8% | 41.5% | 44.5% | 1 | 2.0% | 1.2 | 96 | 100.0% |
| | Number | of sub-districts by endemicity | categories by | sub-district hi | ghest prevalen | ce | |
| Not endemic | Low | Moderate | | High | Unkne | own | Total |
| 5 | 163 | 158 | 1.1 | 44 | 72 | | 1,090 |
| 0.5% | 15.0% | 14.5% | | 4.096 | 66.1 | 104 | 100.0% |
| 0.5% | 15.0% | 14.5% | | +.070 | 00.1 | 170 | 100.0% |
| | Changes in ende | micity categories from distri | ct mean prevale | ence to sub-dis | trict highest p | revalence | |
| | | | Endemici | ity category ca | Iculated (sub-l | U) | |
| Treatment Strategy Adequacy | Endemicity category | Not endemic | Low | Modera | te | High | Total |
| Adequate | Not endemic | 5 | | | | | 5 |
| treatment | Low | | 99 | | | | 99 |
| | Moderate | | | 69 | | | 69 |
| | High | | | 39 | | 10 | 10 40 |
| Jnder Treatment | Low Moderate | | | 29 | | 18 | 18 |
| Over Treatment | Moderate | | 31 | | | 10 | 31 |
| over medement | High | | 5.5.5 | 1 | | | 1 |
| Total | | 5 | 130 | 109 | | 29 | 273 |
| | | Treatment Strategy Adequ | acy with Distri | ict Mean Preva | lence | | |
| Adequate t | reatment | Under Treatment | | Over Treatme | ent | | Total |
| 183 | | 58 | | 32 | | | 273 |
| 67.0 | 96 | 21.2% | | 11.7% | | | 100.0% |
| | | | | | | | |
| | Population requiring | PC and PZQ by district level i | mplementation | versus y sub- | district level in | nplementatio | 1 |
| # of sub-IUs | # of SAC (IU ender | nicity) # of SAC (sub-IU endemicity) | | Q for SAC (IU emicity) | # of PZQ for sendem | - 100 | Variation in SAC and PZQ estimates |
| 273 | 902,101 | 995,998 | 2,2 | 55,306 | 2,490 | ,047 | 10.4% |
| | | Treatment Inequity a | and Inefficient F | PZQ Allocation | | | |
| # of sub-IUs | SAC adequately tr | eated SAC missing treatme | Tric | necessarily reated | Unclaime | d drugs | Drugs misused |
| 273 | 567,346 | 142,631 | | 8,734 | 356, | 592 | 121,843 |
| | Numt | per of sub-districts by endem | icity categories | with the final | decision tree | | |
| Final Endemicity Category | 1. Use sub-IU | endemicity 2. Use IU | endemicity | 3. Use J | IRSM endemici | ty | Total |
| Not endemic | 5 | | 4 | | | | 9 |
| | 163 | | 301 | | | | 464 |
| .ow | | | | | | | |
| Moderate | 158 | | 316 | | | | 474 |
| ligh | 44 | | 86 | | | | 130 |
| Null | | | | | 13 | | 13 |
| | | | | | | | |
| Total | 370 | | 707 | | 13 | | 1,090 |





VII.2.2.16. SENEGAL

| | | S | enegal | | | | |
|---|-------------------------------------|---------------------------------------|------------------------|--|------------------|------------------|--------------------------------------|
| | Number of sub- | IUs | | Demograph | ıy - Total, SA | C and adult popu | lation |
| Province | IU | Sub-IU | ν. | ear Total | Population | SAC Population | Adult Populatio |
| 14 | 77 | 1,519 | | | 548,800 | 4,799,862 | 8,773,928 |
| | | | | | | | |
| | Numb | per of sub-districts by ende | emicity categorie | s by district mean | prevalence | | |
| Not endemic | Low | Moderate | | High | Unkn | | Total |
| 176 | 508 | 388 | | 53 | 39 | 4 | 1,519 |
| 11.696 | 33.496 | 25.5% | | 3.596 | 25.9 | 996 | 100.096 |
| | Number | of sub-districts by endemi | city categories b | y sub-district high | est prevaler | ice | |
| Not endemic | Low | Moderate | | High | Unkn | own | Total |
| 70 | 31 | 28 | | 8 | 1,3 | 32 | 1,519 |
| 4.696 | 2.0% | 1.896 | | 0.5% | 91.0 | 096 | 100.0% |
| | Changes in ende | micity categories from dis | strict mean preva | alence to sub-distr | ict highest p | revalence | |
| | | | Endem | city category calc | ulated (sub- | IU) | |
| Treatment Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | Moderate | | High | Total |
| Adequate | Not endemic Low | 30 | 22 | | | | 30 22 |
| treatment | Moderate | | 22 | 20 | | | 20 |
| | High | | | | | 2 | 2 |
| Jnder Treatment | Low | | | 8 | | | 8 |
| | Moderate | | | | | 6 | 6 |
| Over Treatment | Low Moderate | 31 8 | 9 | | | | 31 17 |
| Total | Moderate | 69 | 31 | 28 | | 8 | 136 |
| | | Treatment Strategy Ad | equacy with Dist | rict Mean Prevale | nce | | |
| Adequate tr | eatment | Under Treatment | | Over Treatment | t | 1 | Total |
| 74 | | 14 | | 48 | | | 136 |
| 54.49 | 16 | 10.3% | | 35.3% | | 10 | 00.096 |
| | Population requiring | PC and PZQ by district lev | el implementatio | on versus y sub- dis | strict level in | nplementation | |
| # of sub-IUs | # of SAC (IU ender | micity) # of SAC (sub- endemicity) | | ZQ for SAC (IU additional state of the state | of PZQ for endem | | ariation in SAC and PZQ estimates |
| 136 | 127,796 | 94,369 | | 319,510 | 235, | 934 | -26.2% |
| | | Treatment Inequi | ty and Inefficient | t PZQ Allocation | | | |
| # of sub-IUs | SAC adequately to | reated SAC missing treat | ment | unecessarily treated | Unclaime | d drugs | Drugs misused |
| 136 | 56,415 | 12,985 | | 46,412 | 32,4 | 67 | 116,039 |
| | Num | ber of sub-districts by end | emicity categori | es with the final de | cision tree | | |
| Final Endemicity Category | 1. Use sub-IU endemicity | 2. Use IU endemicity | 3. Use JRSM endemicity | 5. Need fur assessme | 6 | . Not endemic | Total |
| Not endemic | | | | | | 271 | 271 |
| | 30 | 90 | 2 | | | | 122 |
| | 28 | 233 | 66 | | | | 327 |
| Low | 20 | | | | | | 240 |
| Low Moderate | 8 | 51 | 181 | | | | 240 |
| Low Moderate High | 8 | 51 | 181 | 559 | | | 559 |
| Low Moderate High Need further assess Total | 8 | 51 374 | 181 249 | 559 559 | | 271 | |



VII.2.2.17. SOUTH SUDAN

| | | 5 | outh S | udan | | | |
|---|---|--|---|--|--|--------------------|------------------------------------|
| | Number of sub-l | Us | | Demog | raphy - Total, SA | C and adult popula | ition |
| Describera | | Sub | | | | | |
| Province | IU | 510 | | | tal Population | | Adult Populatio |
| 10 | 80 | 51 | .4 | 2019 | 12,916,829 | 3,461,705 | 7,465,924 |
| | Numbe | er of sub-districts b | y endemicity cat | tegories by district m | ean prevalence | | |
| Not endemic | Low | Mod | erate | High | Unkno | own | Total |
| 107 | 212 | 1 | 54 | 18 | 24 | | 515 |
| 20.8% | 41.2% | 29 | 9% | 3.5% | 4.7 | 96 | 100.0% |
| | Number o | f sub-districts by e | ndemicity catego | ories by sub-district h | nighest prevalen | ce | |
| Not endemic | Low | Mod | erate | High | Unkno | own | Total |
| 113 | 51 | | 4 | 21 | 25 | | 515 |
| 21.996 | 9.9% | 14 | 496 | 4.196 | 49.7 | 79.6 | 100.0% |
| 22.570 | | | | | | | 100.070 |
| | Changes in ender | nicity categories fr | om district mear | n prevalence to sub-d | istrict highest p | revalence | |
| Treatment | Endamicity category | | E | Endemicity category | calculated (sub-l | U) | |
| Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | Moder | ate | High | Total |
| - | Not endemic | 52 | | | | | 52 |
| reatment | Low Moderate | | 37 | 51 | | | 37 51 |
| | High | | | - | | 7 | 7 |
| | Low | | | 11 | | | 11 |
| | Moderate | | | | | 13 | 13 |
| VVCI II CUCINCIIC | Low | 17 2 | 8 | | | | 17 10 |
| | Moderate High | 2 | 0 | 2 | | | 2 |
| otal | · · · g· · | 71 | 45 | 64 | | 20 | 200 |
| | | Treatment Strate | egy Adequacy wi | th District Mean Prev | /alence | | |
| Adequate Tr | eatment | Under Treatm | ent | Over Treatn | nent | To | tal |
| 147 | oderne re | 24 | | 29 | icirc | | 00 |
| 73.59 | | 12.0% | | 14.5% | | 100 | 1.096 |
| /3.37 | | | | | | | .070 |
| | Population requiring F | PC and PZQ by distr | ict level impleme | entation versus y sub | - district level in | plementation | |
| # of sub-IUs | # of SAC (IU endem | IICITV) | (sub-IU micity) | # of PZQ for SAC (IU endemicity) | # of PZQ for 9 endem | | iation in SAC and PZQ estimates |
| 200 | 564,920 | 574 | ,299 | 1,412,328 | 1,435 | 774 | 1.796 |
| | | Treatment | | | n | | |
| | | | Inequity and Ine | fficient PZQ Allocatio | "" | | |
| # of sub-IUs | SAC adequately tre | | | fficient PZQ Allocatio SAC unecessarily treated | Unclaime | d drugs [| Drugs misused |
| | SAC adequately tre 362,981 | eated SAC missin | | SAC unecessarily | | - | Drugs misused 189,992 |
| # of sub-IUs | 362,981 | eated SAC missin 85, | g treatment 373 | SAC unecessarily treated | Unclaime 213,4 | - | _ |
| # of sub-IUs | 362,981 | eated SAC missin 85, | g treatment 373 | SAC unecessarily treated 75,994 | Unclaime 213,4 | - | 189,992 |
| # of sub-IUs 200 Final Endemicity Category | 362,981 Numb | eated SAC missin 85, er of sub-districts I 2. Use IU | g treatment 373 by endemicity car 3. Use JRSM | SAC unecessarily treated 75,994 tegories with the final 4. Use highest adjacent | Unclaime 213,4 al decision tree 5. Need further | 141 | 189,992 |
| # of sub-IUs 200 Final Endemicity Category Not endemic | 362,981 Numb 1. Use sub-IU endemicity | eated SAC missin 85, er of sub-districts I 2. Use IU endemicity | g treatment 373 by endemicity car 3. Use JRSM | SAC unecessarily treated 75,994 tegories with the final 4. Use highest adjacent | Unclaime 213,4 al decision tree 5. Need further | 6. Not endemic | 189,992 Total |
| # of sub-IUs 200 Final Endemicity Category lot endemic | 362,981 Numb 1. Use sub-IU endemicity 89 47 | eated SAC missin 85, er of sub-districts I 2. Use IU endemicity 59 107 | g treatment 373 by endemicity car 3. Use JRSM endemicity | SAC unecessarily treated 75,994 tegories with the final 4. Use highest adjacent | Unclaime 213,4 al decision tree 5. Need further | 6. Not endemic | 189,992 Total 182 154 |
| # of sub-IUs 200 Final Endemicity Category Not endemic Ow Moderate | Numb 1. Use sub-IU endemicity 89 47 68 | eated SAC missin 85, er of sub-districts I 2. Use IU endemicity 59 107 57 | g treatment 373 by endemicity car 3. Use JRSM | SAC unecessarily treated 75,994 tegories with the fine 4. Use highest adjacent endemicity | Unclaime 213,4 al decision tree 5. Need further | 6. Not endemic | 189,992 Total 182 154 134 |
| # of sub-IUs 200 Final Endemicity Category Not endemic Ow Moderate High | Numb 1. Use sub-IU endemicity 89 47 68 21 | eated SAC missin 85, er of sub-districts I 2. Use IU endemicity 59 107 57 7 | g treatment 373 by endemicity car 3. Use JRSM endemicity | SAC unecessarily treated 75,994 tegories with the final 4. Use highest adjacent | Unclaime 213,4 al decision tree 5. Need further | 6. Not endemic | Total 182 154 134 29 |
| # of sub-IUs 200 Final Endemicity Category Not endemic Ow Moderate High | Numb 1. Use sub-IU endemicity 89 47 68 | eated SAC missin 85, er of sub-districts I 2. Use IU endemicity 59 107 57 | g treatment 373 by endemicity car 3. Use JRSM endemicity | SAC unecessarily treated 75,994 tegories with the fine 4. Use highest adjacent endemicity | Unclaime 213,4 al decision tree 5. Need further | 6. Not endemic | 189,992 Total 182 154 134 |
| # of sub-IUs 200 Final Endemicity Category Not endemic Low Moderate High Johnsown | Numb 1. Use sub-IU endemicity 89 47 68 21 | eated SAC missin 85, er of sub-districts I 2. Use IU endemicity 59 107 57 7 | g treatment 373 by endemicity car 3. Use JRSM endemicity | SAC unecessarily treated 75,994 tegories with the fine 4. Use highest adjacent endemicity | Unclaime 213,4 al decision tree 5. Need further | 6. Not endemic | Total 182 154 134 29 |
| # of sub-IUs 200 Final Endemicity | Numb 1. Use sub-IU endemicity 89 47 68 21 | eated SAC missin 85, er of sub-districts I 2. Use IU endemicity 59 107 57 7 | g treatment 373 by endemicity car 3. Use JRSM endemicity | SAC unecessarily treated 75,994 tegories with the fine 4. Use highest adjacent endemicity | Unclaime 213,4 al decision tree 5. Need further Assessment | 6. Not endemic | Total 182 154 134 29 6 |



VII.2.2.18. TANZANIA (MAINLAND)

| | | Tanzan | ia (Ma | inlan | d) | | |
|------------------------------|----------------------|-----------------------------------|-------------------|-------------------------|--------------------|-----------------|-------------------------|
| | Number of sub- | | | | mography - Total, | SAC and adult p | opulation |
| Province | IU | Sub-IU | | Year | Total Population | n SAC Popula | tion Adult Populatio |
| 26 | 174 | 3.151 | | 2020 | 45,004,423 | 8,595,83 | nya samana sadika asan- |
| | | -, | | | | | 22,332,233 |
| | | er of sub-districts by end | | ries by distri | | ce | |
| Not endemi | | Low | Moderate | | Unknown | | Total |
| 110 | | 309 | 61 | | 2,763 | | 3,243 |
| 3.496 | 9 | 9.596 | 1.9% | | 85.2% | | 100.096 |
| | Number | of sub-districts by endem | icity categories | by sub-distr | rict highest preva | ence | |
| Not endemic | Low | Moderate | | High | Un | known | Total |
| 86 | 44 | 35 | | 2 | 3 | ,076 | 3,243 |
| 2.7% | 1.496 | 1.196 | | 0.196 | 9 | 4.996 | 100.0% |
| | Changes in ande | micity catagories from di | strict mann pro | valence to s | ıb district biobos | t provinience | |
| | Changes in ende | micity categories from di | | | | | |
| Treatment | Endemicity category | 2012 | | | ory calculated (su | TI | - |
| Strategy Adequacy | | Not endemic | Low | Mo | derate | High | Total |
| Adequate | Not endemic | 8 | | | | | 8 |
| Treatment | Low | | 17 | | | | 17 |
| | Moderate | | | | 3 | | 3 |
| Jnder Treatment | Low | | | | 10 | 1 | 11 |
| Over Treatment | Low | 11 | | | | | 11 |
| | Moderate | | 2 | | | | 2 |
| Total | | 19 | 19 | | 13 | 1 | 52 |
| | | Treatment Strategy Ad | dequacy with Di | strict Mean | Prevalence | | |
| Adequate Ti | reatment | Under Treatment | | Over Tre | atment | | Total |
| 28 | | 11 | | 1 | 3 | 52 | |
| 53.8 | 96 | 21.2% | | 25. | 096 | | 100.0% |
| | Population requiring | PC and PZQ by district lev | el implementat | tion versus v | sub-district leve | Limplementatio | on |
| | · opanation equining | # of SAC (sub | | PZQ for SAC | | or SAC (sub-IU | Variation in SAC and |
| # of sub-IUs | # of SAC (IU ender | nicity) #013AC (300 endemicity | | endemicity) | | emicity) | PZQ estimates |
| 52 | 48,056 | 42,705 | | 120,148 | 10 | 6,767 | -11.1% |
| | | Treatment Inequ | ity and Inefficie | nt PZQ Alloc | ation | | |
| # of sub-IUs | SAC adequately tr | reated SAC missing trea | tment SA | C unecessari treated | ly Unclair | med drugs | Drugs misused |
| 52 | 24,010 | 6,590 | | 11,941 | 16 | 5,477 | 29,855 |
| | Numi | per of sub-districts by end | lemicity catego | ries with the | final decision tre | e | |
| Final Endemicity Category | 1. Use sub-IU | | e IU endemicity | | Use JRSM endem | | Total |
| Not endemic | 86 | | 79 | | | | 165 |
| Low | 44 | | 211 | | 2,463 | | 2,718 |
| Moderate | 35 | | 23 | | -, | | 58 |
| | 2 | | 2.5 | | 272 | | 274 |
| ligh | 2 | | | | | | |
| Null | | | | | 28 | | 28 |
| Total | 167 | | 313 | | 2,763 | | 3,243 |
| | | | | | | | |





VII.2.2.19. TOGO

| | | | Togo | | | | |
|--------------------------------|----------------------|-------------------------------------|--------------------|------------------------------|---------------------|-------------------|--------------------------------------|
| | Number of sub- | lUs | | Demograp | hy - Total, SA | .C and adult popu | ılation |
| Province | IU | Sub-IU | | ear Total | Population | SAC Population | Adult Populatio |
| 6 | 44 | 712 | | | 535,599 | 2,260,706 | 3,767,967 |
| | | | | | | | -,,-,, |
| No. | | per of sub-districts by end | | | | | T-1-1 |
| Not endemi | | Low 589 | Moderate 70 | | Unknown 40 | | Total 712 |
| | | | | | | | |
| 1.8% | 8 | 2.796 | 9.8% | | 5.6% | | 100.0% |
| | Number | of sub-districts by endem | icity categories b | y sub-district hig | nest prevalen | ce | |
| Not endemic | Low | Moderate | | High | Unkn | | Total |
| 272 | 120 | 96 | | 19 | 20 | 5 | 712 |
| 38.2% | 16.9% | 13.5% | | 2.7% | 28.8 | 396 | 100.0% |
| | Changes in ende | micity categories from di | istrict mean preva | alence to sub-dist | rict highest p | revalence | |
| | | | Endem | icity category cal | culated (sub-l | U) | |
| Freatment Strategy Adequacy | Endemicity category | Not endemic | Low | Moderat | e | High | Total |
| Adequate | Not endemic | 1 | | | | | 1 |
| reatment | Low | | 93 | | | | 93 |
| | Moderate | | | 20 | | | 20 |
| Jnder Treatment | Low | | | 67 | | 4 | 71 |
| | Moderate | | | | | 13 | 13 |
| Over Treatment | Low | 231 | | | | | 231 |
| | Moderate | 15 | 12 | | | | 27 |
| Total | | 247 | 105 | 87 | | 17 | 456 |
| | | Treatment Strategy A | dequacy with Dist | trict Mean Prevale | ence | | |
| Adequate to | reatment | Under Treatment | | Over Treatmer | nt | | Total |
| 114 | | 84 | | 258 | | | 456 |
| 25.0 | 96 | 18.4% | | 56.6% | | 10 | 00.096 |
| | Population requiring | PC and PZQ by district le | vel implementation | on versus y sub- d | strict level in | nplementation | |
| # of sub-IUs | # of SAC (IU ender | micity) # of SAC (sub endemicity | | ZQ for SAC (IU idemicity) | # of PZQ for sendem | | ariation in SAC and PZQ estimates |
| 456 | 468,448 | 311,003 | 1 | ,171,225 | 777, | 547 | -33.6% |
| | | Treatment Inequ | ity and Inefficien | t PZQ Allocation | | | |
| # of sub-IUs | SAC adequately to | reated SAC missing trea | atment | unecessarily treated | Unclaime | d drugs | Drugs misused |
| 456 | 130,983 | 71,866 | | 229,311 | 179,6 | 591 | 573,337 |
| | Num | ber of sub-districts by end | demicity categori | es with the final d | ecision tree | | |
| Final Endemicity Category | 1. Use sub-IU | | se IU endemicity | | SM endemici | ty | Total |
| Not endemic | 272 | ! | 12 | | 19 | | 303 |
| | 120 | | 143 | | 21 | | 284 |
| Low | | | 10 | | | | 106 |
| Low Moderate | 96 | | | | | | |
| | 96 19 | | | | | | 19 |
| Moderate | | | 165 | | 40 | | 19 712 |





VII.2.2.20. UGANDA

| | | U | ganda | | | | |
|--|---|--|---|--|--|---|---|
| | Number of sub- | -IUs | | Demography | - Total, SA | C and adult popu | ulation |
| Province | IU | Sub-IU | Year | Total P | pulation | SAC Population | n Adult Populatio |
| 4 | 134 | 7,317 | 2019 | | 8,826 | 12,832,064 | 22,633,065 |
| | 25+ | 7,521 | | , ,,,, | .0,020 | 12,002,001 | 22,000,000 |
| | Numb | per of sub-districts by ender | micity categories b | y district mean p | revalence | | |
| Not endemic | Low | Moderate | Н | igh | Unkno | own | Total |
| 1,012 | 3,883 | 1,812 | 9 |)5 | 699 | 9 | 7,501 |
| 13.5% | 51.8% | 24.2% | 1. | 396 | 9.3 | 96 | 100.0% |
| | Number | of sub-districts by endemic | ity categories by s | ub-district highe | st prevalen | ce | |
| Not endemic | Low | Moderate | н | igh | Unkno | own | Total |
| 470 | 661 | 465 | | 48 | 5,75 | 57 | 7,501 |
| 6.3% | 8.8% | 6.296 | 2. | 096 | 76.7 | 96 | 100.0% |
| | Channel in and | | | | h biabaah a | | |
| | Changes in ende | emicity categories from dist | | y category calcul | | | |
| Treatment | Endemicity category | Net and are | | 5 55 658 COMPACT DO 10 | 200 (300) | 1 1 | Total |
| Strategy Adequacy | calculated (IU) | Not endemic | Low | Moderate | | High | Total |
| Adequate Treatment | Not endemic Low | 41 | 248 | | | | 41 248 |
| reatment | Moderate | | 240 | 144 | | | 144 |
| | High | | | 211 | | 1 | 1 |
| Jnder Treatment | | | | 63 | | 2 | 65 |
| | Moderate | | | | | 45 | 45 |
| Over Treatment | Low | 221 | | | | | 221 |
| | Moderate | 27 | 79 327 | 207 | | 48 | 106 |
| Total | | 289 | 327 | 207 | | 40 | 871 |
| | | Treatment Strategy Ade | quacy with Distric | Mean Prevalence | e | | |
| Adequate Tr | restment | Under Treatment | 0 | ver Treatment | | 10 | Total |
| Company of the Compan | | | | | | | |
| 434 | | 110 | | 327 | | | 871 |
| Company of the Compan | 1 | | | 327 37.5% | | | |
| 434 | 96 | 110 | | 37.5% | rict level in | 1 | 871 |
| 434 | 96 | 110 12.6% PC and PZQ by district leve | l implementation v | 37.5% ersus y sub- dist | | 10 nplementation SAC (sub-IU V | 871 |
| 434 49.8 ⁴ | 96 Population requiring | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-li | I implementation v U # of PZQ : ender | 37.5% ersus y sub- dist for SAC (IU #6 | of PZQ for S | 1) Inplementation SAC (sub-IU Vicity) | 871 00.0% ariation in SAC and |
| 43.84 49.84 # of sub-IUs | Population requiring # of SAC (IU ender | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-li endemicity) | l implementation v U # of PZQ: ender 1,79 | 37.5% ersus y sub- dist for SAC (IU #4 nicity) 3,295 | of PZQ for S endem | 1) Inplementation SAC (sub-IU Vicity) | 871 00.0% ariation in SAC and PZQ estimates |
| 43.84 49.84 # of sub-IUs | Population requiring # of SAC (IU ender | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-liendemicity) 570,788 | I implementation v U # of PZQ: ender 1,79 y and Inefficient PZ | 37.5% ersus y sub- dist for SAC (IU #1 nicity) 3,295 | of PZQ for S endem | nplementation SAC (sub-IU V icity) | 871 00.0% ariation in SAC and PZQ estimates |
| # of sub-IUs # of sub-IUs | Population requiring # of SAC (IU ender 717,255 | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-lendemicity) 570,788 Treatment Inequity reated SAC missing treated | I implementation v U # of PZQ: ender 1,79 y and Inefficient PZ ment SAC une | 37.5% ersus y sub- dist for SAC (IU #1 nicity) 3,295 CQ Allocation cessarily ated | of PZQ for sendem 1,427, Unclaime | nplementation SAC (sub-IU V icity) 088 | 871 00.096 ariation in SAC and PZQ estimates -20.496 Drugs misused |
| # of sub-IUs 871 | Population requiring # of SAC (IU ender 717,255 SAC adequately to | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-lendemicity) 570,788 Treatment Inequity reated SAC missing treater 79,394 | U # of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 | 37.5% ersus y sub- dist for SAC (IU #1 nicity) 3,295 CQ Allocation cessarily ated ,861 | of PZQ for s endem 1,427, Unclaime | nplementation SAC (sub-IU V icity) 088 | 871 00.0% ariation in SAC and PZQ estimates -20.4% |
| # of sub-IUs # of sub-IUs | Population requiring # of SAC (IU ender 717,255 SAC adequately to | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-lendemicity) 570,788 Treatment Inequity reated SAC missing treated | U # of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 | 37.5% ersus y sub- dist for SAC (IU #1 nicity) 3,295 CQ Allocation cessarily ated ,861 | of PZQ for s endem 1,427, Unclaime | nplementation SAC (sub-IU V icity) 088 | 871 00.096 ariation in SAC and PZQ estimates -20.496 Drugs misused |
| # of sub-IUs # of sub-IUs | Population requiring # of SAC (IU ender 717,255 SAC adequately to | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-lendemicity) 570,788 Treatment Inequity reated SAC missing treater 79,394 ber of sub-districts by ende | U # of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 | 37.5% ersus y sub- dist for SAC (IU #1 nicity) 3,295 CQ Allocation cessarily ated ,861 | of PZQ for sendem 1,427, Unclaime 198,5 ision tree | nplementation SAC (sub-IU V icity) 088 | 871 00.096 ariation in SAC and PZQ estimates -20.496 Drugs misused |
| # of sub-IUs 871 # of sub-IUs 871 | Population requiring # of SAC (IU ender 717,255 SAC adequately to 325,946 Num 1. Use sub-IU | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-li endemicity) 570,788 Treatment Inequity reated SAC missing treatr 79,394 ber of sub-districts by ende | U # of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 micity categories v 3. Use JRSM | 37.5% ersus y sub- dist for SAC (IU # onicity) 3,295 Q Allocation cessarily ated ,861 vith the final dec 4. Use highe adjacent | of PZQ for sendem 1,427, Unclaime 198,5 ision tree | nplementation SAC (sub-IU Vicity) 088 | 871 00.0% ariation in SAC and PZQ estimates -20.4% Drugs misused 564,732 |
| # of sub-IUs 871 # of sub-IUs 871 Final Endemicity Category Not endemic | Population requiring # of SAC (IU ender 717,255 SAC adequately tr 325,946 Num 1. Use sub-IU endemicity | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-life endemicity) 570,788 Treatment Inequity reated SAC missing treatment for the same of | ul implementation verification | 37.5% ersus y sub- dist for SAC (IU # onicity) 3,295 Q Allocation cessarily ated ,861 vith the final dec 4. Use highe adjacent | of PZQ for sendem 1,427, Unclaime 198,5 ision tree | nplementation SAC (sub-IU Vicity) 088 d drugs 517 Not endemic | 871 00.0% ariation in SAC and PZQ estimates -20.4% Drugs misused 564,732 |
| # of sub-IUs 871 # of sub-IUs 871 Final Endemicity Category Not endemic | Population requiring # of SAC (IU ender 717,255 SAC adequately to 325,946 Num 1. Use sub-IU endemicity 122 | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-life endemicity) 570,788 Treatment Inequity reated SAC missing treatment from the same of sub-districts by endemicity 2. Use IU endemicity 442 | U # of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 micity categories v 3. Use JRSM endemicity 731 | 37.5% ersus y sub- dist for SAC (IU # onicity) 3,295 Q Allocation cessarily ated ,861 vith the final dec 4. Use highe adjacent | of PZQ for sendem 1,427, Unclaime 198,5 ision tree | nplementation SAC (sub-IU Vicity) 088 d drugs 517 Not endemic | 871 00.096 ariation in SAC and PZQ estimates -20.496 Drugs misused 564,732 Total 4,401 |
| # of sub-IUs 871 # of sub-IUs 871 Final Endemicity Category Not endemic | Population requiring # of SAC (IU ender 717,255 SAC adequately to 325,946 Num 1. Use sub-IU endemicity 122 263 | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-lendemicity) 570,788 Treatment Inequity reated SAC missing treate 79,394 ber of sub-districts by ende 2. Use IU endemicity 442 645 | I implementation v U # of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 micity categories v 3. Use JRSM endemicity 731 781 | 37.5% ersus y sub- dist for SAC (IU # onicity) 3,295 Q Allocation cessarily ated ,861 vith the final dec 4. Use highe adjacent | of PZQ for sendem 1,427, Unclaime 198,5 ision tree | nplementation SAC (sub-IU Vicity) 088 d drugs 517 Not endemic | 871 00.096 ariation in SAC and PZQ estimates -20.496 Drugs misused 564,732 Total 4,401 1,689 |
| # of sub-IUs 871 # of sub-IUs 871 Final Endemicity Category Not endemic Low Moderate High | Population requiring # of SAC (IU ender 717,255 SAC adequately tr 325,946 Num 1. Use sub-IU endemicity 122 263 250 | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-lendemicity) 570,788 Treatment Inequity reated SAC missing treate 79,394 ber of sub-districts by ende 2. Use IU endemicity 442 645 | Went of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 micity categories went endemicity 731 781 253 | 37.5% ersus y sub- dist for SAC (IU # onicity) 3,295 Q Allocation cessarily ated ,861 vith the final dec 4. Use highe adjacent | of PZQ for sendem 1,427, Unclaime 198,5 ision tree | nplementation SAC (sub-IU Vicity) 088 d drugs 517 Not endemic | 871 00.096 ariation in SAC and PZQ estimates -20.496 Drugs misused 564,732 Total 4,401 1,689 685 |
| # of sub-IUs 871 # of sub-IUs 871 | Population requiring # of SAC (IU ender 717,255 SAC adequately to 325,946 Num 1. Use sub-IU endemicity 122 263 250 105 | 110 12.6% PC and PZQ by district leve micity) # of SAC (sub-lendemicity) 570,788 Treatment Inequity reated SAC missing treate 79,394 ber of sub-districts by ende 2. Use IU endemicity 442 645 | Went of PZQ: ender 1,79 y and Inefficient PZ ment SAC une tre 225 micity categories went endemicity 731 781 253 | 37.5% ersus y sub- dist for SAC (IU # of micity) 3,295 EQ Allocation cessarily ated ,861 with the final dec 4. Use highe adjacent endemicity | of PZQ for sendem 1,427, Unclaime 198,5 ision tree | nplementation SAC (sub-IU Vicity) 088 d drugs 517 Not endemic | 871 00.096 ariation in SAC and PZQ estimates -20.496 Drugs misused 564,732 Total 4,401 1,689 685 535 |



VII.2.2.21. ZAMBIA

| | | Z | ambia | | | | |
|--|--|--|---|--|--|---|---|
| | Number of sub- | lUs | | Demography | / - Total, SA | C and adult popu | ılation |
| Province | IU | Sub-IU | Ve | ear Total P | opulation | SAC Population | Adult Populatio |
| 10 | 103 | 1,421 | | | 07,907 | 6,272,448 | 8,638,818 |
| | | | | | | | |
| April 1997 | | er of sub-districts by ender | | | | | |
| Not endemic 68 | Low 637 | Moderate 628 | | High 28 | Unkno 60 | | Total |
| 68 | 637 | 628 | | 28 | 60 | | 1,421 |
| 4.896 | 44.8% | 44.2% | | 2.0% | 4.2 | 96 | 100.0% |
| | Number | of sub-districts by endemic | ity categories by | sub-district highe | st prevalen | ce | |
| Not endemic | Low | Moderate | | High | Unkno | own | Total |
| 124 | 109 | 166 | | 75 | 947 | | 1,421 |
| 8.7% | 7.796 | 11.796 | | 5.3% | 66.6 | 106 | 100.0% |
| 0.770 | 7.770 | 11.770 | | 3.570 | 00.0 | 770 | 100.0% |
| | Changes in ende | micity categories from dist | trict mean preval | ence to sub-distric | t highest p | revalence | |
| | | | Endemic | ity category calcul | ated (sub-I | U) | |
| Treatment Strategy Adequacy | Endemicity category calculated (IU) | Not endemic | Low | Moderate | | High | Total |
| Adequate | Not endemic | 4 | | | | | 4 |
| reatment | Low | | 48 | | | | 48 |
| | Moderate | | | 85 | | 14 | 85 14 |
| Inder Treatment | High Low | | | 46 | | 2 | 48 |
| inder Freatment | Moderate | | | -10 | | 41 | 41 |
| ver Treatment | Low | 75 | | | | | 75 |
| | Moderate | 31 | 31 | | | | 62 |
| | High | 200 | 17664 | 2 | | Called to | 2 |
| otal | | 110 | 79 | 133 | | 57 | 379 |
| | | | | | | | |
| | | Treatment Strategy Ade | equacy with Distr | ict Mean Prevalen | ce | | |
| Adequate Tr | eatment | Treatment Strategy Ade Under Treatment | equacy with Distr | ict Mean Prevalend Over Treatment | ce | 1 | Γotal |
| Adequate Tr 151 | | | equacy with Distr | | ce | | Total 379 |
| | | Under Treatment | equacy with Distr | Over Treatment | ce | | |
| 151 | 16 | Under Treatment 89 | | Over Treatment 139 36.7% | | 10 | 379 |
| 151 | 16 | Under Treatment 89 23.5% PC and PZQ by district leve | il implementation U # of PZ | Over Treatment 139 36.7% n versus y sub- dist | rict level in | 10 nplementation SAC (sub-IU V | 379 |
| 151 39.89 | 6 Population requiring | Under Treatment 89 23.5% PC and PZQ by district leve | il implementation U # of PZI end | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # | rict level in | 10 nplementation SAC (sub-IU Vicity) | 379 00.0% ariation in SAC and |
| 151 39.89 # of sub-IUs | Population requiring # of SAC (IU enden | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 | il implementation U # of PZI end 2,0 | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # Jemicity) 044,354 | rict level in of PZQ for 9 endem | 10 nplementation SAC (sub-IU Vicity) | 379 00.0% ariation in SAC and PZQ estimates |
| # of sub-IUs 379 | Population requiring # of SAC (IU enden | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequity | of implementation U # of PZ end 2,0 y and Inefficient | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # Jemicity) 044,354 PZQ Allocation | orict level in of PZQ for 9 endem 1,785, | nplementation SAC (sub-IU Vicity) 510 | 379 00.0% ariation in SAC and PZQ estimates -12.7% |
| 151 39.89 # of sub-IUs | Population requiring # of SAC (IU enden | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 | el implementation U # of PZ end 2,0 y and Inefficient ment SAC u | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # Jemicity) 044,354 | rict level in of PZQ for 9 endem | nplementation SAC (sub-IU Vicity) 510 | 379 00.0% ariation in SAC and PZQ estimates |
| # of sub-IUs 379 | Population requiring # of SAC (IU enden | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequity | el implementation U # of PZI end 2,0 y and Inefficient ment SAC u | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily | orict level in of PZQ for 9 endem 1,785, | nplementation SAC (sub-IU Vicity) 510 | 379 00.0% ariation in SAC and PZQ estimates -12.7% |
| # of sub-IUs 379 # of sub-IUs | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-line) endemicity) 714,183 Treatment Inequity eated SAC missing treatment | el implementation U # of PZI end 2,0 y and Inefficient ment SAC u t | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # Idemicity) 044,354 PZQ Allocation necessarily reated 41,298 | of PZQ for sendem 1,785, Unclaime | nplementation SAC (sub-IU Vicity) 510 | 379 20.096 ariation in SAC and PZQ estimates -12.796 Drugs misused |
| # of sub-IUs 379 # of sub-IUs | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-line) endemicity) 714,183 Treatment Inequity eated SAC missing treating 137,767 | el implementation U # of PZI end 2,0 y and Inefficient ment SAC u t | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # demicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 | 379 20.096 ariation in SAC and PZQ estimates -12.796 Drugs misused |
| # of sub-IUs 379 # of sub-IUs 379 # of sub-IUs 379 | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numb | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequit; eated SAC missing treatment 137,767 per of sub-districts by ende 2. Use IU | ul implementation U # of PZ end 2,0 y and Inefficient ment SAC u t 20 emicity categories 3. Use JRSM | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 | ariation in SAC and PZQ estimates -12.796 Drugs misused 603,276 |
| # of sub-IUs 379 # of sub-IUs 379 inal Endemicity ategory lot endemic | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numb 1. Use sub-IU endemicity | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequity eated SAC missing treatment 137,767 per of sub-districts by ende 2. Use IU endemicity | ul implementation U # of PZ end 2,0 y and Inefficient ment SAC u t 20 emicity categories 3. Use JRSM | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # demicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent endemicit | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 | ariation in SAC and PZQ estimates -12.796 Drugs misused 603,276 |
| # of sub-IUs 379 # of sub-IUs 379 # of sub-IUs 379 Final Endemicity Category lot endemic | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numb 1. Use sub-IU endemicity 122 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequity eated SAC missing treatment 137,767 Der of sub-districts by ende 2. Use IU endemicity 15 | ul implementation U # of PZ end 2,0 y and Inefficient ment SAC u t 20 emicity categories 3. Use JRSM | Over Treatment 139 36.7% n versus y sub- dist Q for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent endemicit 69 | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 | ariation in SAC and PZQ estimates -12.796 Drugs misused 603,276 Total |
| # of sub-IUs 379 # of sub-IUs 379 inal Endemicity ategory lot endemic ow Moderate | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numb 1. Use sub-IU endemicity 122 106 165 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequit eated SAC missing treatment 137,767 per of sub-districts by ende 2. Use IU endemicity 15 194 174 | ul implementation U # of PZ end 2,0 y and Inefficient ment SAC u t 2: emicity categorie: 3. Use JRSM endemicity | Over Treatment 139 36.7% n versus y sub- dist Of for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent endemicit 69 75 219 | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 | 379 20.096 ariation in SAC and PZQ estimates -12.796 Drugs misused 603,276 Total 206 375 614 |
| # of sub-IUs 379 # of sub-IUs 379 # of sub-IUs 379 inal Endemicity fategory lot endemic ow Moderate ligh | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numt 1. Use sub-IU endemicity 122 106 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequity eated SAC missing treatment 137,767 per of sub-districts by ende 2. Use IU endemicity 15 194 | el implementation U # of PZI end 2,0 y and Inefficient t ment SAC u t t cmicity categories 3. Use JRSM endemicity | Over Treatment 139 36.7% n versus y sub- dist Of for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent endemicit 69 75 219 118 | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 | 379 20.096 ariation in SAC and PZQ estimates -12.796 Drugs misused 603,276 Total 206 375 614 211 |
| # of sub-IUs 379 # of sub-IUs 379 # of sub-IUs 379 inal Endemicity fategory lot endemic ow Moderate ligh | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numb 1. Use sub-IU endemicity 122 106 165 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequit eated SAC missing treatment 137,767 per of sub-districts by ende 2. Use IU endemicity 15 194 174 | ul implementation U # of PZ end 2,0 y and Inefficient ment SAC u t 2: emicity categorie: 3. Use JRSM endemicity | Over Treatment 139 36.7% n versus y sub- dist Of for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent endemicit 69 75 219 | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 | 379 20.0% ariation in SAC and PZQ estimates -12.7% Drugs misused 603,276 Total 206 375 614 |
| # of sub-IUs 379 # of sub-IUs 379 # of sub-IUs 379 Final Endemicity Category Not endemic Ow Moderate High Joknown | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numt 1. Use sub-IU endemicity 122 106 165 73 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequit eated SAC missing treatment 137,767 per of sub-districts by ende 2. Use IU endemicity 15 194 174 | ul implementation U # of PZ end 2,0 y and Inefficient ment SAC u t 2: emicity categorie: 3. Use JRSM endemicity | Over Treatment 139 36.7% n versus y sub- dist Of for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent endemicit 69 75 219 118 | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 | 379 20.096 ariation in SAC and PZQ estimates -12.796 Drugs misused 603,276 Total 206 375 614 211 |
| # of sub-IUs 379 # of sub-IUs 379 | Population requiring # of SAC (IU enden 817,714 SAC adequately tr 369,090 Numt 1. Use sub-IU endemicity 122 106 165 73 | Under Treatment 89 23.5% PC and PZQ by district leve nicity) # of SAC (sub-liendemicity) 714,183 Treatment Inequit eated SAC missing treatment 137,767 per of sub-districts by ende 2. Use IU endemicity 15 194 174 | ul implementation U # of PZ end 2,0 y and Inefficient ment SAC u t 2: emicity categorie: 3. Use JRSM endemicity | Over Treatment 139 36.7% n versus y sub- dist Of for SAC (IU # Jemicity) 044,354 PZQ Allocation necessarily reated 41,298 s with the final dec 4. Use highe adjacent endemicit 69 75 219 118 | orict level in of PZQ for sendem 1,785, Unclaime 344,4 | nplementation SAC (sub-IU Vicity) 510 d drugs 143 Need further assessment | 379 20.096 ariation in SAC and PZQ estimates -12.796 Drugs misused 603,276 Total 206 375 614 211 1 |



VII.2.2.22. ZIMBABWE

| | | | mbabv | | | | | |
|------------------------------|----------------------|---|-------------------|---|-----------------------|-----------------|---------------------------------------|--|
| | Number of sub- | Us | | Demogra | aphy - Total, SA | AC and adult po | pulation | |
| Province | IU | Sub-IU | | Year Tota | al Population | SAC Populati | on Adult Populatio | |
| 10 | 63 | 1,967 | | | 5,403,629 | 4,929,164 | | |
| | Blooms | | 1-18 | on the district one | | | | |
| | | er of sub-districts by ende | emicity categori | | an prevalence | | | |
| Not end | | Low 1.365 | | Moderate 228 | | | Total 1,967 | |
| 3/- | • | 1,303 | | 220 | | | 1,507 | |
| 19.0 | 96 | 69.4% | | 11.6% | | | 100.0% | |
| | Number | of sub-districts by endemi | city categories | by sub-district hi | ghest prevaler | nce | | |
| Not endemic | Low | Moderate | | High | Unkn | own | Total | |
| 159 | 109 | 81 | | 10 | 1,6 | 08 | 1,967 | |
| 8.1% | 5.5% | 4.196 | | 0.596 | 81. | 796 | 100.0% | |
| | Changes in ende | micity categories from dis | trict mean prev | valence to sub-dis | trict highest o | revalence | | |
| | | | | nicity category ca | | | | |
| Treatment | Endemicity category | Not endemic | | 5 T C C C C C C C C C C C C C C C C C C | | 5) 5)27 | T-4 1 | |
| Strategy Adequacy | | 100000000000000000000000000000000000000 | Low | Modera | te | High | Total | |
| Adequate Freatment | Not endemic | 49 | 60 | | | | 49 | |
| reatment | Low | | 62 | | | | 62 | |
| | Moderate | | | 9 | | | 9 | |
| Inder Treatment | 1 | 70 | | 17 | | 1 | 18 | |
| Over Treatment | Low | 78 | | | | | 78 | |
| Total | Moderate | 2 129 | 66 | 26 | | 1 | 6 222 | |
| | ' | Treatment Strategy Ad | equacy with Dis | trict Mean Preva | lence | | ' | |
| Adequate T | reatment | Under Treatment | | Over Treatme | ent | | Total | |
| 120 | 0 | 18 | | 84 | | | 222 | |
| 54.1 | 96 | 8.1% | | 37.8% | | | 100.0% | |
| | Population requiring | PC and PZQ by district lev | el implementat | ion versus y sub- | district level in | mplementation | | |
| # of sub-IUs | # of SAC (IU enden | # of SAC (sub- endemicity) | | PZQ for SAC (IU ndemicity) | # of PZQ for ender | | Variation in SAC and PZQ estimates | |
| 222 | 147,776 | 87,033 | | 369,484 | 217, | 606 | -41.196 | |
| | | Treatment Inequi | ty and Inefficier | nt PZQ Allocation | | | | |
| # of sub-IUs | SAC adequately tr | eated SAC missing treat | tment SAC | unecessarily treated | Unclaime | ed drugs | Drugs misused | |
| 222 | 59,128 | 9,517 | | 70,260 | 23,7 | 796 | 175,669 | |
| | Numb | per of sub-districts by end | emicity categor | ies with the final | decision tree | | | |
| Final Endemicity Category | 1. Use su | 1. Use sub-IU endemicity | | Use IU endemicity | | 1 | Total | |
| Not endemic | | 159 | | 304 | | | 463 | |
| Low | | 109 | | 1,117 | | 1 | L,226 | |
| | | 81 | | 187 | | | 268 | |
| Moderate | | | | | | | | |
| Moderate High | | 10 | | | | | 10 | |
| | | 10 359 | | 1,608 | | 1 | 10 1,967 | |







VII.3. ANNEX 3: MEMORIES OF THE WORKSHOPS









