

GAVI Alliance

Annual Progress Report 2011

Submitted by The Government of *Liberia*

Reporting on year: **2011** Requesting for support year: **2013** Date of submission: **5/22/2012**

Deadline for submission: 5/22/2012

Please submit the APR 2011 using the online platform https://AppsPortal.gavialliance.org/PDExtranet

Enquiries to: <u>apr@gavialliance.org</u> or representatives of a GAVI Alliance partner. The documents can be shared with GAVI Alliance partners, collaborators and general public. The APR and attachments must be submitted in English, French, Spanish, or Russian.

Note: You are encouraged to use previous APRs and approved Proposals for GAVI support as reference documents. The electronic copy of the previous APRs and approved proposals for GAVI support are available at http://www.gavialliance.org/country/

The GAVI Secretariat is unable to return submitted documents and attachments to countries. Unless otherwise specified, documents will be shared with the GAVI Alliance partners and the general public.

GAVI ALLIANCE GRANT TERMS AND CONDITIONS

FUNDING USED SOLELY FOR APPROVED PROGRAMMES

The applicant country ("Country") confirms that all funding provided by the GAVI Alliance will be used and applied for the sole purpose of fulfilling the programme(s) described in the Country's application. Any significant change from the approved programme(s) must be reviewed and approved in advance by the GAVI Alliance. All funding decisions for the application are made at the discretion of the GAVI Alliance Board and are subject to the Independent Review Committee (IRC) and its processes and the availability of funds.

AMENDMENT TO THE APPLICATION

The Country will notify the GAVI Alliance in its Annual Progress Report (APR) if it wishes to propose any change to the programme(s) description in its application. The GAVI Alliance will document any change approved by the GAVI Alliance, and the Country's application will be amended.

RETURN OF FUNDS

The Country agrees to reimburse to the GAVI Alliance all funding amounts that are not used for the programme(s) described in its application. The country's reimbursement must be in US dollars and be provided, unless otherwise decided by the GAVI Alliance, within sixty (60) days after the Country receives the GAVI Alliance's request for a reimbursement and be paid to the account or accounts as directed by the GAVI Alliance.

SUSPENSION/ TERMINATION

The GAVI Alliance may suspend all or part of its funding to the Country if it has reason to suspect that funds have been used for purpose other than for the programmes described in the Country's application, or any GAVI Alliance-approved amendment to the application. The GAVI Alliance retains the right to terminate its support to the Country for the programmes described in its application if a misuse of GAVI Alliance funds is confirmed.

ANTICORRUPTION

The Country confirms that funds provided by the GAVI Alliance shall not be offered by the Country to any third person, nor will the Country seek in connection with its application any gift, payment or benefit directly or indirectly that could be construed as an illegal or corrupt practice.

AUDITS AND RECORDS

The Country will conduct annual financial audits, and share these with the GAVI Alliance, as requested. The GAVI Alliance reserves the right, on its own or through an agent, to perform audits or other financial management assessment to ensure the accountability of funds disbursed to the Country.

The Country will maintain accurate accounting records documenting how GAVI Alliance funds are used. The Country will maintain its accounting records in accordance with its government-approved accounting standards for at least three years after the date of last disbursement of GAVI Alliance funds. If there is any claims of misuse of funds, Country will maintain such records until the audit findings are final. The Country agrees not to assert any documentary privilege against the GAVI Alliance in connection with any audit.

CONFIRMATION OF LEGAL VALIDITY

The Country and the signatories for the Country confirm that its application, and APR, are accurate and correct and form legally binding obligations on the Country, under the Country's law, to perform the programmes described in its application, as amended, if applicable, in the APR.

CONFIRMATION OF COMPLIANCE WITH THE GAVI ALLIANCE TRANSPARANCY AND ACCOUNTABILITY POLICY

The Country confirms that it is familiar with the GAVI Alliance Transparency and Accountability Policy (TAP) and complies with the requirements therein.

USE OF COMMERCIAL BANK ACCOUNTS

The Country is responsible for undertaking the necessary due diligence on all commercial banks used to manage GAVI cash-based support. The Country confirms that it will take all responsibility for replenishing GAVI cash support lost due to bank insolvency, fraud or any other unforeseen event.

ARBITRATION

Any dispute between the Country and the GAVI Alliance arising out of or relating to its application that is not settled amicably within a reasonable period of time, will be submitted to arbitration at the request of either the GAVI Alliance or the Country. The arbitration will be conducted in accordance with the then-current UNCITRAL Arbitration Rules. The parties agree to be bound by the arbitration award, as the final adjudication of any such dispute. The place of arbitration will be Geneva, Switzerland. The languages of the arbitration will be English or French.

For any dispute for which the amount at issue is US\$ 100,000 or less, there will be one arbitrator appointed by the GAVI Alliance. For any dispute for which the amount at issue is greater than US \$100,000 there will be three arbitrators appointed as follows: The GAVI Alliance and the Country will each appoint one arbitrator, and the two arbitrators so appointed will jointly appoint a third arbitrator who shall be the chairperson.

The GAVI Alliance will not be liable to the country for any claim or loss relating to the programmes described in the application, including without limitation, any financial loss, reliance claims, any harm to property, or personal injury or death. Country is solely responsible for all aspects of managing and implementing the programmes described in its application.

By filling this APR the country will inform GAVI about:

Accomplishments using GAVI resources in the past year

Important problems that were encountered and how the country has tried to overcome them

Meeting accountability needs concerning the use of GAVI disbursed funding and in-country arrangements with development partners

Requesting more funds that had been approved in previous application for ISS/NVS/HSS, but have not yet been released

How GAVI can make the APR more user-friendly while meeting GAVI's principles to be accountable and transparent.

1. Application Specification

Reporting on year: 2011

Requesting for support year: 2013

1.1. NVS & INS support

| Type of Support | Current Vaccine | Preferred presentation | Active until |
|---------------------------------|---|---|--------------|
| Routine New Vaccines Support | DTP-HepB-Hib, 1 dose(s) per vial, LIQUID | DTP-HepB-Hib, 1 dose(s) per vial, LIQUID | 2015 |
| Routine New Vaccines Support | Yellow Fever, 10 dose(s) per vial, LYOPHILISED | Yellow Fever, 10 dose(s) per vial, LYOPHILISED | 2015 |

1.2. Programme extension

No NVS support eligible to extension this year

1.3. ISS, HSS, CSO support

| Type of Support | Reporting fund utilisation in 2011 | Request for Approval of |
|-----------------|------------------------------------|--|
| ISS | Yes | ISS reward for 2011 achievement: N/A |
| HSS | Yes | next tranche of HSS Grant N/A |
| CSO Type A | No | Not applicable N/A |
| CSO Type B | No | CSO Type B extension per GAVI Board Decision in July 2011: N/A |

1.4. Previous Monitoring IRC Report

APR Monitoring IRC Report for year 2010 is available here.

2. Signatures

2.1. Government Signatures Page for all GAVI Support (ISS, INS, NVS, HSS, CSO)

By signing this page, the Government of Liberia hereby attests the validity of the information provided in the report, including all attachments, annexes, financial statements and/or audit reports. The Government further confirms that vaccines, supplies, and funding were used in accordance with the GAVI Alliance Standard Grant Terms and Conditions as stated in this Annual Progress Report (APR).

For the Government of Liberia

Please note that this APR will not be reviewed or approved by the Independent Review Committee (IRC) without the signatures of both the Minister of Health & Minister Finance or their delegated authority.

| Mini | ster of Health (or delegated authority) | Minister of Finance (or delegated authority) | | | |
|-----------|--|--|-----------------------------------|--|--|
| Name | GWENIGALE, Walter T. (MD) Minister of Health and Social Welfare | Name | KONNEH, Amara Minister of Finance | | |
| Date | | Date | | | |
| Signature | | Signature | | | |

<u>This report has been compiled by</u> (these persons may be contacted in case the GAVI Secretatiat has queries on this document):

| Full name | Full name Position | | Email | | |
|-----------------------|--|-----------------------------|----------------------------|--|--|
| | Acting EPI Deputy Manager (MOHSW) | +231886565961/+231777565961 | gusray71@yahoo.com | | |
| TUOPILEYI, Roland N.O | EPI Data Manager-WHO- Liberia | +231886533216 | tuopileyir@lr.afro.who.int | | |
| | Assistant Minister for Statistics/HSS Focal Point | +231886538603 | cswesseh@yahoo.com | | |

2.2. ICC signatures page

If the country is reporting on Immunisation Services (ISS), Injection Safety (INS) and/or New and Under-Used Vaccines (NVS) supports

In some countries, HSCC and ICC committees are merged. Please fill-in each section where information is appropriate and upload in the attached documents section the signatures twice, one for HSCC signatures and one for ICC signatures

The GAVI Alliance Transparency and Accountability Policy (TAP) is an integral part of GAVI Alliance monitoring of country performance. By signing this form the ICC members confirm that the funds received from the GAVI Alliance have been used for purposes stated within the approved application and managed in a transparent manner, in accordance with government rules and regulations for financial management.

2.2.1. ICC report endorsement

We, the undersigned members of the immunisation Inter-Agency Coordinating Committee (ICC), endorse this report. Signature of endorsement of this document does not imply any financial (or legal) commitment on the part of the partner agency or individual.

| Name/Title | Agency/Organization | Signature | Date |
|------------|--|-----------|------|
| | Ministry of Health and Social Welfare | | |

| Hon. Blamo Nelson, Minister of Internal Affairs | Ministry of Internal Affairs | |
|---|---|--|
| Hon. Amara Konneh, Minister of Finance | Ministry of Finance | |
| Esperance Fundira, Country Representative | UNFPA | |
| Isabel Crowley, Country Representative | UNICEF | |
| Nestor Ndayimirije, WHO Representative | WHO | |
| Attilio Pacifici, EU Representative | European Union | |
| Naomi Nyitambe | Merlin (NGO) | |
| Randolph Augustin , Health Team Leader, Director | United States Agency for International Development | |
| Mr. David K. Vinton, National Chairman Polio Plus, Rotary International Coordinator | Rotary International | |

ICC may wish to send informal comments to: apr@gavialliance.org

All comments will be treated confidentially

Comments from Partners:

Comments from the Regional Working Group:

2.3. HSCC signatures page

We, the undersigned members of the National Health Sector Coordinating Committee (HSCC), insert name of the committee, endorse this report on the Health Systems Strengthening Programme. Signature of endorsement of this document does not imply any financial (or legal) commitment on the part of the partner agency or individual.

The GAVI Alliance Transparency and Accountability Policy is an integral part of GAVI Alliance monitoring of country performance. By signing this form the HSCC members confirm that the funds received from the GAVI Alliance have been used for purposes stated within the approved application and managed in a transparent manner, in accordance with government rules and regulations for financial management. Furthermore, the HSCC confirms that the content of this report has been based upon accurate and verifiable financial reporting.

| Name/Title | Agency/Organization | Signature | Date |
|---|---|-----------|------|
| Dr. Walter T. Gwenigale, Minister of Health Social Welfare | Ministry of Health and Social Welfare | | |
| Mr. Amara Konneh, Minister of Planning and Economic Affairs | Ministry of Planning and Economic Affairs | | |
| Dr. Nester Ndayimirje, WHO Representative | World Health Organization | | |
| Mrs. Isabel Crowley, UNICEF Representative | United Nations Children's Fund | | |
| Augustine Randolp, Health Team Leader, Director | United States Agency for International Development | | |
| Mr. David K. Vinton, National Chairman Polio Plus, Rotary International Coordinator | Rotary International | | |
| Dr. Esperance Fundira, Country Representative | UNFPA | | |
| Dr. Esperance Fundira, Country Representative | UNFPA | | |
| Attilio Pacifici, Representative | European Union | | |
| Naomi Nyitambe | Merlin (NGO) | | |

HSCC may wish to send informal comments to: apr@gavialliance.org

All comments will be treated confidentially

Comments from Partners:

Comments from the Regional Working Group:

2.4. Signatures Page for GAVI Alliance CSO Support (Type A & B)

Liberia is not reporting on CSO (Type A & B) fund utilisation in 2012

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4. Baseline & annual targets

| | Achieveme JF | | Der Targets (preferred presentation) | | | | | Targets (preferred presentation) | | |
|--|--|----------|--|-----------------------|----------------------------------|-----------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------|
| Number | 20 | 11 | 20 | 12 | 20 | 13 | 20 | 14 | 20 | 15 |
| | Original approved target according to Decision Letter | Reported | Original approved target according to Decision Letter | Current estimation | Previous estimates in 2011 | Current estimation | Previous estimates in 2011 | Current estimation | Previous estimates in 2011 | Current estimation |
| Total births | 185,677 | 170,204 | 189,576 | 143,563 | 193,557 | 146,578 | 197,622 | 149,656 | 201,772 | 152,799 |
| Total infants' deaths | 12,997 | 21,663 | 12,891 | 11,334 | 12,968 | 11,572 | 12,845 | 11,815 | 12,913 | 12,063 |
| Total surviving infants | 172680 | 148,541 | 176,685 | 132,229 | 180,589 | 135,006 | 184,777 | 137,841 | 188,859 | 140,736 |
| Total pregnant women | 185,677 | 170,204 | 189,576 | 136,007 | 193,557 | 138,863 | 197,622 | 141,779 | 201,772 | 144,757 |
| Number of infants vaccinated (to be vaccinated) with BCG | 167,109 | 144,480 | 174,410 | 123,464 | 180,008 | 127,523 | 185,764 | 131,697 | 191,683 | 135,991 |
| BCG coverage | 90 % | 85 % | 92 % | 86 % | 93 % | 87 % | 94 % | 88 % | 95 % | 89 % |
| Number of infants vaccinated (to be vaccinated) with OPV3 | 138,144 | 113,812 | 159,017 | 105,783 | 162,530 | 114,755 | 166,299 | 121,300 | 169,973 | 126,662 |
| OPV3 coverage | 80 % | 77 % | 90 % | 80 % | 90 % | 85 % | 90 % | 88 % | 90 % | 90 % |
| Number of infants vaccinated (to be vaccinated) with DTP1 | 137,834 | 127,819 | 150,182 | 115,039 | 162,530 | 118,805 | 171,843 | 122,678 | 179,416 | 126,662 |
| Number of infants vaccinated (to be vaccinated) with DTP3 | 129,510 | 114,773 | 141,348 | 105,783 | 153,501 | 114,755 | 162,604 | 121,300 | 169,973 | 126,662 |
| DTP3 coverage | 81 % | 77 % | 65 % | 80 % | 85 % | 85 % | 88 % | 88 % | 90 % | 90 % |
| Wastage[1] rate in base-year and planned thereafter (%) for DTP | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 2 | 0 | 2 |
| Wastage[1] factor in base- year and planned thereafter for DTP | 1.00 | 1.03 | 1.00 | 1.03 | 1.00 | 1.03 | 1.00 | 1.02 | 1.00 | 1.02 |
| Number of infants vaccinated (to be vaccinated) with 1st dose of DTP-HepB-Hib | 147,056 | 127,819 | 130,365 | 115,039 | 162,530 | 118,805 | 171,843 | 122,678 | 179,416 | 126,662 |
| Number of infants vaccinated (to be vaccinated) with 3rd dose of DTP-HepB-Hib | 139,629 | 114,773 | 115,618 | 105,783 | 153,501 | 114,755 | 162,604 | 121,300 | 169,973 | 126,662 |
| DTP-HepB-Hib coverage | 81 % | 77 % | 65 % | 80 % | 85 % | 85 % | 88 % | 88 % | 90 % | 90 % |
| Wastage[1] rate in base-year and planned thereafter (%) | 5 | 3 | 5 | 3 | 5 | 3 | 5 | 2 | 5 | 2 |
| Wastage[1] factor in base- year and planned thereafter (%) | 1.05 | 1.03 | 1.05 | 1.03 | 1.05 | 1.03 | 1.05 | 1.02 | 1.05 | 1.02 |
| Maximum wastage rate value for DTP-HepB-Hib, 1 dose/vial, Liquid | 5 % | 5 % | 5 % | 5 % | 5 % | 5 % | 5 % | 5 % | 5 % | 5 % |
| Number of infants vaccinated (to be vaccinated) with Yellow Fever | 139,629 | 104,376 | 126,920 | 99,172 | 144,471 | 108,005 | 166,299 | 117,165 | 169,973 | 126,662 |
| Yellow Fever coverage | 70 % | 70 % | 80 % | 75 % | 80 % | 80 % | 90 % | 85 % | 90 % | 90 % |
| Wastage[1] rate in base-year and planned thereafter (%) | 30 | 32 | 45 | 32 | 45 | 30 | 45 | 30 | 45 | 30 |
| Wastage[1] factor in base- year and planned thereafter (%) | 1.43 | 1.47 | 1.82 | 1.47 | 1.82 | 1.43 | 1.82 | 1.43 | 1.82 | 1.43 |
| Maximum wastage rate value for Yellow Fever, 10 doses/vial, Lyophilised | 50 % | 50 % | 50 % | 50 % | 50 % | 50 % | 50 % | 50 % | 50 % | 50 % |

| | Achieveme JF | ents as per RF | Targets (preferred presentation) | | | | | | | |
|---|--|-------------------|--|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|
| Number | 20 | 11 | 20 | 12 | 2013 | | 2014 | | 2015 | |
| | Original approved target according to Decision Letter | Reported | Original approved target according to Decision Letter | Current estimation | Previous estimates in 2011 | Current estimation | Previous estimates in 2011 | Current estimation | Previous estimates in 2011 | Current estimation |
| Number of infants vaccinated (to be vaccinated) with 1st dose of Measles | 120,876 | 105,380 | 141,348 | 99,172 | 144,471 | 108,005 | 166,299 | 117,165 | 169,973 | 126,662 |
| Measles coverage | 70 % | 71 % | 80 % | 75 % | 80 % | 80 % | 90 % | 85 % | 90 % | 90 % |
| Pregnant women vaccinated with TT+ | 148,542 | 125,211 | 161,140 | 103,365 | 174,201 | 108,313 | 177,860 | 113,423 | 181,595 | 118,700 |
| TT+ coverage | 80 % | 74 % | 85 % | 76 % | 90 % | 78 % | 90 % | 80 % | 90 % | 82 % |
| Vit A supplement to mothers within 6 weeks from delivery | 98,535 | 67,437 | 100,604 | 61,203 | 116,134 | 69,432 | 118,573 | 77,979 | 129,134 | 86,854 |
| Vit A supplement to infants after 6 months | 140,938 | 82,581 | 143,897 | 76,693 | 146,919 | 81,003 | 150,004 | 85,461 | 153,155 | 95,700 |
| Annual DTP Drop out rate [(DTP1 – DTP3)/ DTP1] x 100 | 6 % | 10 % | 6 % | 8 % | 6 % | 3 % | 5 % | 1 % | 5 % | 0 % |

*

** Number of infants vaccinated out of total surviving infants

*** Indicate total number of children vaccinated with either DTP alone or combined

**** Number of pregnant women vaccinated with TT+ out of total pregnant women

1 The formula to calculate a vaccine wastage rate (in percentage): [(A B) / A] x 100. Whereby: A = the number of doses distributed for use according to the supply records with correction for stock balance at the end of the supply period; B = the number of vaccinations with the same vaccine in the same period.

5. General Programme Management Component

5.1. Updated baseline and annual targets

Note: Fill in the table in section 4 Baseline and Annual Targets before you continue

The numbers for 2011 must be consistent with those that the country reported in the **WHO/UNICEF Joint Reporting Form (JRF) for 2011.** The numbers for 2012 - 2015 in <u>Table 4 Baseline and Annual Targets</u> should be consistent with those that the country provided to GAVI in previous APR or in new application for GAVI support or in cMYP.

In fields below, please provide justification and reasons for those numbers that in this APR are different from the referenced ones:

- Justification for any changes in births

There is no statistical evidence to show the origin of the 5% birth cohort that Liberia had used in the past years. However, Liberia, like most countries, has been using the global estimated target of 4% to represent the surviving infants, which was introduced in 1985 upon the relaunched of immunization. At the moment Liberia is beginning to use the 2008 census data as the evidence for deriving these estimates - recommended rate for indicators being used here are from the 2008 national housing and population census.

- Justification for any changes in surviving infants
 The same reasons for changes in births apply.
- Justification for any changes in targets by vaccine
 The same reasons for changes in births apply.
- Justification for any changes in wastage by vaccine No change.

5.2. Immunisation achievements in 2011

5.2.1. Please comment on the achievements of immunisation programme against targets (as stated in last year APR), the key major activities conducted and the challenges faced in 2011 and how these were addressed:

- 77% (114,773 out of the expected 148,541 children under 1 year) of children under 1 year were vaccinated with Panta-3 in 2011compare to 75% in 2010. <?xml:namespace prefix = o />
- 71% (105,380) of children under 1 year were vaccinated with measles vaccines in 2011 compared to 69.9% in 2010.
- 1,026 health facility staff (midwives/vaccinators) were trained in Reach Every District (RED) Strategy with emphases on planning outreach activities with communities to improve access and utilization of routine immunization services.
- 70% (8,673 out of 12380 children less than 1 year) of children under 1 year were vaccinated during outreach activities in 2011
- Modified Routine Immunization (RI) Data collection tools developed, printed, distributed and being used by all health facilities providing RI services to improve data quality which had been one of the major challenges of the program.
- Two staff members of the EPI program were trained on MLM course in Nairobi Kenya in October 2011.
- MNTE validation survey was conducted and Liberia achieved elimination status (MNTE Survey Report)

EPI Target and Coverage in 2011AntigensTarget 201120102011BCG907485OPV-3807377Penta-3817577Measles7069.971Yellow Fever7068.370TT2+806374Vit A856356.5

Key major activities conducted were:

- Seven (7) rounds of National supplemental immunization activities and 1 sub-national polio supplemental immunization activities in border counties
- An integrated Deworming and Vitamin-A campaign with polio supplemental immunization activities in April and October 2011
- An integrated Measles vaccination campaign and polio supplemental immunization activities in November 2011
- MNTE validation survey in December 2011
- Finalization of the revision process of the National EPI policy document

5.2.2. If targets were not reached, please comment on reasons for not reaching the targets:

Though, there has been an increased in the overall routine immunization coverage, targets for most of the antigens (BCG, OPV-3, Penta-3, TT2+ and Vitamin A) were not accomplished. For example, BCG coverage increased from approximately 75% in 2010 to 85% in 2011, OPV-3 increased from 73% in 2010 to 77% in 2011, Penta-3 increased from 75% in 2010 to 77% in 2011, Measles coverage from almost 70% in 2010 to 71% in 2011 and Yellow Fever from 68.3% in 2010 to 70% in 2011. On the other hand, Vitamin A coverage reduced from 63% in 2010 to 56.5% in 2011.

Plausible reasons for the under achievement could be attributed to the 2011 National Elections that disrupted services, limited logistics for outreach and supervision and inadequate staff (e.g., one vaccinator per health facility responsible for facility -based services and outreach).

Some of the challenges faced implementation of planned activities for strengthening routine immunization in 2011 include: <?xml:namespace prefix = o ns = "urn:schemas-microsoft-com:office:office" />

- Frequent conduct of polio campaigns due to outbreaks in neighboring countries.
- Limited number of trained staff at health facilities to conduct regular outreach; and

frequent staff turnover due to low incentive

The 2011 immunization target was not achieved because of erratic conduct of campigns due to outbreaks in neighboring countries. The seven rounds of unplanned immunization campaigns coupled with limited staff at health facilities to conduct regular outreach and frequent staff turnover due to low incentive impeded the attainment of targets.

5.3. Monitoring the Implementation of GAVI Gender Policy

In the past three years, were the sex-disaggregated data on immunisation services access available in your country? Choose one of the three: **no**, **not available**

If yes, please report all the data available from 2009 to 2011

| Data Source | Timeframe of the data | Coverage estimate |
|-------------|-----------------------|-------------------|
| | | |

How have you been using the above data to address gender-related barrier to immunisation access?

If no sex-disaggregated data is available at the moment, do you plan in the future to collect sex-disaggregated data on routine immunisation reporting? **No**

What action have you taken to achieve this goal?

- Although there is no statistical (data) evidence to prove that males and females have equal access to immunization services, the Liberia National EPI policy makes provision for equitable access to immunization for those in the target age group irrespective of their gender. <?xml:namespace prefix = o />
- The National Health Policies and Plans (2007-2011 and 2011-2021) call for "an equitable, effective, efficient, responsive, and sustainable health care delivery system". The full implementation of these policies will ensure equal access to immunization services for boys and girls.
- National immunization campaigns target every under five regardless of gender and location and is house to house approach thus creating equal access for boys and girls
- Lastly, both immunization and the Essential Package of Health Services (EPHS) are free thus reducing financial barriers and preferential treatment (boys versus girls) by parents and care takers.

5.4. Data assessments

5.4.1. Please comment on any discrepancies between immunisation coverage data from different sources (for example, if survey data indicate coverage levels that are different than those measured through the administrative data system, or if the WHO/UNICEF Estimate of National Immunisation Coverage and the official country estimate are different)

For now only the administrative data is available. The WHO/UNICEF estamate for 2011 is not available, however, there was a national immunization coverage survey conducted in February 2012 and analysis of *data is* still in process.

* Please note that the WHO UNICEF estimates for 2011 will only be available in July 2012 and can have retrospective changes on the time series.

5.4.2. Have any assessments of administrative data systems been conducted from 2010 to the present? No

If Yes, please describe the assessment(s) and when they took place.

5.4.3. Please describe any major activities undertaken to improve administrative data systems from 2009 to the present.

Although there was no assessment of data in 2011, other initiatives were carried out to assess data quality. The M&E Unit conducted regular verification of information (VOI) and harmonization exercise in various health facilities across the country under the performance based financing scheme and the Global Fund project. The result of the verification exercise shows discrepancies and data quality issues in most facilities. The Performance Base financing scheme has sanction for discrepancies and incentive for timely and accurate reporting.

Apart from the frequent quarterly verification of information (VOI) and harmonization exercises under the Performance Based Financing and Global Fund (GF) arrangement, the M&E, HMIS, EPI and GF supported programs also conducted a nationwide verification of information (VOI) and harmonization exercise. The aim of the exercise is to improve data quality, identify problems in data collection and recommend measures that will mitigate these problems.

5.4.4. Please describe any plans that are in place, or will be put into place, to make further improvements to administrative data systems.

- Presently (April 2012) there is a Performance of Routine Information System Management (PRISM) is
 ongoing in seven counties to identify problems associated with HMIS (data collection, analysis, etc) that
 will inform the development of a capacity building plan<?xml:namespace prefix = o />
- Conduct regular annual health sector reviews to assess progress and use data for decision making
- Conduct quarterly verification of information (VOI) and harmonization exercises at the county and health facility levels
- Train data collectors at every level of service delivery (vaccinators, surveillance officers, Child Survival Focal Point, Data managers, etc)
- Conduct regular quarterly supportive supervision with focus on maternal and child health
- Provide logistics for improving coverage and data quality

5.5. Overall Expenditures and Financing for Immunisation

The purpose of **Table 5.5a** and **Table 5.5b** is to guide GAVI understanding of the broad trends in immunisation programme expenditures and financial flows. Please fill the table using US\$.

Exchange rate used1 US\$ = 1Enter the rate only; Please do not enter local currency name

Table 5.5a: Overall Expenditure and Financing for Immunisation from all sources (Government and donors) in US\$

| Expenditure by category | Expenditure Year 2011 | Source of funding | | | | | | | |
|---|--------------------------|-------------------|---------------|---------|-----|-------------------------------------|-------------------------------------|-------------------------------------|--|
| | | Country | GAVI | UNICEF | ₩НО | To be filled in by country | To be filled in by country | To be filled in by country | |
| Traditional Vaccines* | 599,021 | 0 | 0 | 599,021 | 0 | 0 | 0 | 0 | |
| New and underused Vaccines** | 1,246,056 | 67,786 | 1,178,27 0 | 0 | 0 | 0 | 0 | 0 | |
| Injection supplies (both AD syringes and syringes other than ADs) | 96,591 | 4,172 | 53,095 | 39,324 | 0 | 0 | 0 | 0 | |

| Cold Chain equipment | 72,960 | 0 | 0 | 72,960 | 0 | 0 | 0 | 0 |
|-------------------------------------|-----------|---------|---------------|---------------|---------------|---|---|---|
| Personnel | 101,703 | 30,857 | 32,446 | 30,000 | 8,400 | 0 | 0 | 0 |
| Other routine recurrent costs | 37,382 | 15,000 | 22,382 | 0 | 0 | 0 | 0 | 0 |
| Other Capital Costs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Campaigns costs | 4,220,958 | 296,408 | 0 | 1,734,14 5 | 2,190,40 5 | 0 | 0 | 0 |
| To be filled in by country | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Expenditures for Immunisation | 6,374,671 | | | | | | | |
| Total Government Health | | 414,223 | 1,286,19 3 | 2,475,45 0 | 2,198,80 5 | 0 | 0 | 0 |

* Traditional vaccines: BCG, DTP, OPV (or IPV), Measles 1st dose (or the combined MR, MMR), TT. Some countries will also include HepB and Hib vaccines in this row, if these vaccines were introduced without GAVI support.

Please state if an Annual Action Plan for the year 2011, based on the cMYP, was developed and costed.

5.5.1. If there are differences between available funding and expenditures for the reporting year, please clarify what are the reasons for it.

Yes. Government budget for co-financing was less than actual amount spent. Other funding sources had to be identified to cover the gap.

5.5.2. If less funding was received and spent than originally budgeted, please clarify the reasons and specify which areas were underfunded.

Under budgeting and local resource mobilization drive yielded less than optimal. In addition to cofinancing, the following areas were also affected:<? $\xi\mu$ l:namespace prefix = 0 ns = \forall urn:schemasmicrosoft-com:office:officed />

- Cold chain equipment
- Other capital and assets cost
- IEC/social mobilization for routine immunization
- Maintenance of capital equipment

5.5.3. If there are no government funding allocated to traditional vaccines, please state the reasons and plans for the expected sources of funding for 2012 and 2013

Liberia's economy is recovering; current government budget cannot accommodate the cost of traditional vaccines. However, there is ongoing advocacy with government and parliamentarians to prioritize immunization for increased budgetary allocation. Meanwhile, UNICEF mobilizes funding for traditional vaccines.

Table 5.5b: Overall Budgeted Expenditures for Immunisation from all sources (Government and donors) in US\$.

| Expenditure by category | Budgeted Year 2012 | Budgeted Year 2013 |
|---|--------------------|--------------------|
| Traditional Vaccines* | 488,946 | 515,324 |
| New and underused Vaccines** | 3,447,644 | 3,732,765 |
| Injection supplies (both AD syringes and syringes other than ADs) | 33,771 | 36,255 |
| Injection supply with syringes other than ADs | 0 | 0 |
| Cold Chain equipment | 12,000 | 133,000 |
| Personnel | 507,337 | 545,395 |
| Other routine recurrent costs | 362,077 | 431,840 |
| Supplemental Immunisation Activities | 692,516 | 857,804 |
| Total Expenditures for Immunisation | 5,544,291 | 6,252,383 |

* Traditional vaccines: BCG, DTP, OPV (or IPV), Measles 1st dose (or the combined MR, MMR), TT. Some countries will also include HepB and Hib vaccines in this row, if these vaccines were introduced without GAVI support.

If there are major differences between the cMYP projections and the budgeted figures above, please clarify the main reasons for it.

5.5.4. Are you expecting to receive all funds that were budgeted for 2012 ? If not, please explain the reasons for the shortfall and which expenditure categories will be affected.

Yes.

5.5.5. Are you expecting any financing gaps for 2013 ? If yes, please explain the reasons for the gaps and strategies being pursued to address those gaps.

- Ψεσ
- Only \$100,000.00 has been committed out of a planned budget of over \$400,000.00 for the introduction of new vaccine (PCV 13) in Liberia in 2013
- Strategies includes advocacy with government and parliamentarians locally. Also through proposals writing to donors.

5.6. Financial Management

5.6.1. Has a GAVI Financial Management Assessment (FMA) been conducted prior to, or during the 2011 calendar year? **Implemented**

If Yes, briefly describe progress against requirements and conditions which were agreed in any Aide Memoire concluded between GAVI and the country in the table below:

| Action plan from Aide Mémoire | Implemented? |
|-------------------------------|--------------|
| | No |

If the above table shows the action plan from Aide Memoire has been fully or partially implemented, briefly state exactly what has been implemented

Action plan will be prepared in line with pending GAVI FMA final report.

If none has been implemented, briefly state below why those requirements and conditions were not met. Liberia awaits final communication from the GAVI FMA conducted in 2011

5.7. Interagency Coordinating Committee (ICC)

How many times did the ICC meet in 2011? 2

Please attach the minutes (**Document N**°) from all the ICC meetings held in 2011, including those of the meeting endorsing this report.

List the key concerns or recommendations, if any, made by the ICC on sections <u>5.1 Updated baseline and</u> <u>annual targets to 5.5 Overall Expenditures and Financing for Immunisation</u>

Are any Civil Society Organisations members of the ICC? **Yes If Yes,** which ones?

| List CSO member organisations: | | |
|--------------------------------|--|--|
| Safe the Children (NGO) | | |
| Merlin (NGO) | | |

5.8. Priority actions in 2012 to 2013

What are the country's main objectives and priority actions for its EPI programme for 2012 to 2013?

- To revise/update micro-plan for routine immunization at county and health facility levels
- The replacement of aged cold chain equipment
- To maintain and sustain MNTE validation status
- To implement the EVM improvement plan
- To maintain and sustain quarterly data harmonization at county and health facility levels.
- To conduct sensitization meeting for physicians, general community health volunteers (gCHVs) and other communities focus point
- To conduct quarterly supportive supervison to health facilities.
- To develop, print and distribute IEC/social mobilization materials on routine immunization to health facilities

Are they linked with cMYP? Yes

5.9. Progress of transition plan for injection safety

For all countries, please report on progress of transition plan for injection safety

Please report what types of syringes are used and the funding sources of Injection Safety material in 2011

| Vaccine | Types of syringe used in 2011 routine EPI | Funding sources of 2011 |
|------------------------|---|-------------------------|
| BCG | AD syringes | UNICEF |
| Measles | AD syringes | UNICEF |
| тт | AD syringes | UNICEF |
| DTP-containing vaccine | AD syringes | GAVI and Government |

Does the country have an injection safety policy/plan? Yes

If Yes: Have you encountered any obstacles during the implementation of this injection safety policy/plan? If No: When will the country develop the injection safety policy/plan? (Please report in box below)

Yes

No problem has been encountered for now.

Please explain in 2011 how sharps waste is being disposed of, problems encountered, etc.

The sharps waste were disposed of in the following manners:

- By incineration
- By burn and bury

6. Immunisation Services Support (ISS)

6.1. Report on the use of ISS funds in 2011

| | Amount US\$ | Amount local currency |
|--|-------------|-----------------------|
| Funds received during 2011 (A) | 0 | 0 |
| Remaining funds (carry over) from 2010 (B) | 182,362 | 182,362 |
| Total funds available in 2011 (C=A+B) | 182,362 | 182,362 |
| Total Expenditures in 2011 (D) | 54,828 | 182,362 |
| Balance carried over to 2012 (E=C-D) | 127,534 | 0 |

6.1.1. Briefly describe the financial management arrangements and process used for your ISS funds. Indicate whether ISS funds have been included in national health sector plans and budgets. Report also on any problems that have been encountered involving the use of ISS funds, such as delays in availability of funds for programme use.

- The management of GAVI HSS fund is flexible and there is no hindrance in accessing funds. <? xml:namespace prefix = o />
- To access fund, requesting Unit do not need an external level of approval.
- The GAVI HSS fund is managed by the office of financial management (OFM) like other projects funds received by the Ministry.
- There are clear procedures in place to access fund with limited internal bureaucracy.
- Request for fund to implement an activity is generated by the Director of the Unit that has the mandate to deliver on such activity.
- Request for fund is approved by the Deputy for Health Services who have oversight responsibilities. When
 request are approved by the Deputy Minister for Health Services or Chief Medical Officer, it is forwarded to
 the office of financial management for disbursement. The OFM is a Unit under the Department of
 Administration which is headed by the Deputy Minister for Administration.
- The GAVI fund like most project funds (Global Fund, Pool Fund, HSRP-World Bank Project, etc) account is banked in a commercial bank (ECO Bank).

Funds are channeled through Counties Accounts to implement activities at that level. These funds are liquidated through regular procedures established by the OFM.

6.1.2. Please include details on the type of bank account(s) used (commercial versus government accounts), how budgets are approved, how funds are channelled to the sub-national levels, financial reporting arrangements at both the sub-national and national levels, and the overall role of the ICC in this process

- All GAVI funds are lodged in the Ministry of Health and Social Welfare Ear-marked Project Accounts with both the Central Bank of Liberia and a commercial bank. ISS is saved with a commercial bank and HSS is with Central BAnk of Liberia.
- Management of these funds follow the same procedures as described in section 6.1.1

6.1.3. Please report on major activities conducted to strengthen immunisation using ISS funds in 2011

- Personnel cost
- Goods and services
- Capital cost

6.1.4. Is GAVI's ISS support reported on the national health sector budget? Yes

6.2. Detailed expenditure of ISS funds during the 2011 calendar year

6.2.1. Please attach a detailed financial statement for the use of ISS funds during the 2011 calendar year (Document Number) (Terms of reference for this financial statement are attached in Annexe 2). Financial statements should be signed by the Chief Accountant or by the Permanent Secretary of Ministry of Health.

6.2.2. Has an external audit been conducted? Yes

6.2.3. External audit reports for ISS, HSS, CSO Type B programmes are due to the GAVI Secretariat six months following the close of your governments fiscal year. If an external audit report is available for your ISS programme during your governments most recent fiscal year, this must also be attached (Document Number).

6.3. Request for ISS reward

Request for ISS reward achievement in Liberia is not applicable for 2011

7. New and Under-used Vaccines Support (NVS)

7.1. Receipt of new & under-used vaccines for 2011 vaccine programme

7.1.1. Did you receive the approved amount of vaccine doses for 2011 Immunisation Programme that GAVI communicated to you in its Decision Letter (DL)? Fill-in table below **Table 7.1**

 Table 7.1: Vaccines received for 2011 vaccinations against approvals for 2011

| | [A] | [B] | |
|--------------|--|---|--|
| Vaccine type | Total doses for 2011 in Decision Letter | Total doses received by 31 December 2011 | Total doses of postponed deliveries in 2012 |
| DTP-HepB-Hib | | 192,600 | 0 |
| Yellow Fever | | 696,000 | 0 |

*Please also include any deliveries from the previous year received against this Decision Letter

If values in [A] and [B] are different, specify:

- What are the main problems encountered? (Lower vaccine utilisation than anticipated due to delayed new vaccine introduction or lower coverage? Delay in shipments? Stock-outs? Excessive stocks? Problems with cold chain? Doses discarded because VVM changed colour or because of the expiry date? ...)
 No difference in values.
- What actions have you taken to improve the vaccine management, e.g. such as adjusting the plan for vaccine shipments? (in the country and with UNICEF Supply Division)
 Not applicable to Liberia.

7.1.2. For the vaccines in the Table 7.1, has your country faced stock-out situation in 2011? No

If **Yes**, how long did the stock-out last?

Please describe the reason and impact of stock-out, including if the stock-out was at the central level only or at lower levels.

Not applicable to Liberia.

7.2. Introduction of a New Vaccine in 2011

7.2.1. If you have been approved by GAVI to introduce a new vaccine in 2011, please refer to the vaccine introduction plan in the proposal approved and report on achievements:

| Vaccine introduced | Not applicable | |
|--|----------------|-----------------|
| Phased introduction | No | 15/05/2012 |
| Nationwide introduction | No | 15/05/2012 |
| The time and scale of introduction was as planned in the proposal? If No, Why ? | | Not applicable. |

7.2.2. When is the Post Introduction Evaluation (PIE) planned? December 2012

If your country conducted a PIE in the past two years, please attach relevant reports and provide a summary on the status of implementation of the recommendations following the PIE. (Document N° 20))

7.2.3. Adverse Event Following Immunization (AEFI)

Is there a national dedicated vaccine pharmacovigilance capacity? No

Is there a national AEFI expert review committee? **Yes** Does the country have an institutional development plan for vaccine safety? **Yes** Is the country sharing its vaccine safety data with other countries? **No**

7.3. New Vaccine Introduction Grant lump sums 2011

7.3.1. Financial Management Reporting

| | Amount US\$ | Amount local currency |
|--|-------------|-----------------------|
| Funds received during 2011 (A) | 0 | 0 |
| Remaining funds (carry over) from 2010 (B) | 0 | 0 |
| Total funds available in 2011 (C=A+B) | 0 | 0 |
| Total Expenditures in 2011 (D) | 0 | 0 |
| Balance carried over to 2012 (E=C-D) | 0 | 0 |

Detailed expenditure of New Vaccines Introduction Grant funds during the 2011 calendar year

Please attach a detailed financial statement for the use of New Vaccines Introduction Grant funds in the 2011 calendar year (Document No 14). Terms of reference for this financial statement are available in **Annexe 1** Financial statements should be signed by the Finance Manager of the EPI Program and and the EPI Manager, or by the Permanent Secretary of Ministry of Health

7.3.2. Programmatic Reporting

Please report on major activities that have been undertaken in relation to the introduction of a new vaccine, using the GAVI New Vaccine Introduction Grant

There was no introduction of new vaccine.

Please describe any problem encountered and solutions in the implementation of the planned activities

There was no introduction of new vaccine.

Please describe the activities that will be undertaken with any remaining balance of funds for 2012 onwards

There was no introduction of new vaccine.

7.4. Report on country co-financing in 2011

| Table 7.4 : | Five | questions on | country | co-financing |
|-------------|------|--------------|---------|--------------|
|-------------|------|--------------|---------|--------------|

| | Q.1: What were the actual co-financed amounts and doses in 2011? | |
|---|---|-----------------------|
| Co-Financed Payments | Total Amount in US\$ | Total Amount in Doses |
| 1st Awarded Vaccine DTP-HepB-Hib, 1 dose(s) per vial, LIQUID | 652,848 | 192,600 |
| 1st Awarded Vaccine Yellow Fever, 10 dose(s) per vial, LYOPHILISED | 593,208 | 696,000 |
| | | |
| | Q.2: Which were the sources of funding for co-financing in reporting year 2011? | |
| Government | Ministry of Health and Social Welfare 2011 annual budget (Government of Liberia) | |
| Donor | GAVI | |
| Other | | |
| | | |
| | Q.3: Did you procure related injections supplies for the co-financing vaccines? What were the amounts in US\$ and supplies? | |
| 1st Awarded Vaccine DTP-HepB-Hib, 1 dose(s) per vial, LIQUID | | 11,749 |
| | | |

| | Q.4: When do you intend to transfer funds for co-financing in 2013 and what is the expected source of this funding | | |
|---|--|-----------------------|--|
| Schedule of Co-Financing Payments | Proposed Payment Date for 2013 | Source of funding | |
| | | | |
| 1st Awarded Vaccine DTP-HepB-Hib, 1 dose(s) per vial, LIQUID | December | Government of Liberia | |
| 1st Awarded Vaccine Yellow Fever, 10 dose(s) per vial, LYOPHILISED | December | Government of Liberia | |
| | | | |
| | Q.5: Please state any Technical Assistance needs for developing financial sustainability strategies, mobilising funding for immunization, including for co-financing | | |
| | Technical Assistance to develop advocacy tools Technical Assistance to organize advocacy workshops for Parliamentarians and other policy makers | | |

If the country is in default, please describe and explain the steps the country is planning to take to meet its cofinancing requirements. For more information, please see the GAVI Alliance Default Policy: <u>http://www.gavialliance.org/about/governance/programme-policies/co-financing/</u>

Liberia is not in default

Is GAVI's new vaccine support reported on the national health sector budget? No

7.5. Vaccine Management (EVSM/VMA/EVM)

Please note that Effective Vaccine Store Management (EVSM) and Vaccine Management Assessment(VMA) tools have been replaced by an integrated Effective Vaccine Management (EVM) tool. The information on EVM tool can be found at <u>http://www.who.int/immunization_delivery/systems_policy/logistics/en/index6.html</u>

It is mandatory for the countries to conduct an EVM prior to an application for introduction of a new vaccine. This assessment concludes with an Improvement Plan including activities and timelines whose progress report is reported with annual report. The EVM assessment is valid for a period of three years.

When was the latest Effective Vaccine Management (EVM) or an alternative assessment (EVSM/VMA) carried out? April 2011

Please attach:

- (a) EVM assessment (Document No 15)
- (b) Improvement plan after EVM (Document No 16)
- (c) Progress report on the activities implemented during the year and status of implementation of recommendations from the Improvement Plan (Document No 17)

Progress report on EVM/VMA/EVSM Improvement Plan' is a mandatory requirement

Kindly provide a summary of actions taken in the following table:

| Deficiency noted in EVM assessment | Action recommended in the Improvement plan | Implementation status and reasons for for delay, if any |
|---|---|--|
| Cold chain monitoring study | Conduct a cold chain monitoring study in accordanc | Not yet implemented |
| Formal system to review temperature records on a | Establish a formal system to review temperature r | Monthly analysis of temperature records ongoing |
| Fire extinguishers in all the 4 store locations (2 | Fire extinguishers available in the National Cold | Procurement request; awaiting purchase and deliv |
| Tiles for the floors of the cold rooms | All cold stores are tiled | Purchase order completed, awaiting delivery |
| Vehicle for vaccine distribution for the National | Procurement of a cold truck for vaccine distributi | Request in new GAVI HSS Funding Platform for 201 |
| Aged kerosene refrigerators and inadequate solar p | Procurement of additional solar panels, refrigerat | 56 complete sets of solar refrigerators installe |

| Inadequate cold boxes to support operational level | | 1000 procured through WHO |
|---|---|--|
| Vaccine and store room management capacity an all | Train logistics officers at all levels on vaccine | National training of logistics officers conducte |
| Use of coverage survey results to guide forecastin | Conduct a coverage survey and use the results to g | Coverage survey conducted February 2012 |
| Vaccine wastage rate study | Vaccine wastage rate study and use same for vaccin | Monthly wastage rates monitoring by county start |

Are there any changes in the Improvement plan, with reasons? **No** If yes, provide details

When is the next Effective Vaccine Management (EVM) assessment planned? March 2014

7.6. Monitoring GAVI Support for Preventive Campaigns in 2011

Liberia does not report on NVS Preventive campaign

7.7. Change of vaccine presentation

Liberia does not require to change any of the vaccine presentation(s) for future years.

7.8. Renewal of multi-year vaccines support for those countries whose current support is ending in 2012

Renewal of multi-year vaccines support for Liberia is not available in 2012

7.9. Request for continued support for vaccines for 2013 vaccination programme

In order to request NVS support for 2013 vaccination do the following

Confirm here below that your request for 2013 vaccines support is as per <u>7.11 Calculation of requirements</u> Yes

If you don't confirm, please explain

7.10. Weighted average prices of supply and related freight cost

Table 7.10.1: Commodities Cost

Estimated prices of supply and related freight cost: 2011 from UNICEF Supply Division; 2012 onwards: GAVI Secretariat

| Vaccine | Presentation | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|--------------|------|-------|-------|-------|-------|
| DTP-HepB, 10 dose(s) per vial, LIQUID | 10 | | | | | |
| DTP-HepB-Hib, 1 dose(s) per vial, LIQUID | 1 | | 2.182 | 2.017 | 1.986 | 1.933 |
| DTP-HepB-Hib, 10 dose(s) per vial, LIQUID | 10 | | 2.182 | 2.017 | 1.986 | 1.933 |
| DTP-HepB-Hib, 2 dose(s) per vial, LYOPHILISED | 2 | | 2.182 | 2.017 | 1.986 | 1.933 |
| HPV bivalent, 2 dose(s) per vial, LIQUID | 2 | | 5.000 | 5.000 | 5.000 | 5.000 |
| HPV quadrivalent, 1 dose(s) per vial, LIQUID | 1 | | 5.000 | 5.000 | 5.000 | 5.000 |
| Measles, 10 dose(s) per vial, LYOPHILISED | 10 | | 0.242 | 0.242 | 0.242 | 0.242 |
| Meningogoccal, 10 dose(s) per vial, LIQUID | 10 | | 0.520 | 0.520 | 0.520 | 0.520 |
| MR, 10 dose(s) per vial, LYOPHILISED | 10 | | 0.494 | 0.494 | 0.494 | 0.494 |
| Pneumococcal (PCV10), 2 dose(s) per vial, LIQUID | 2 | | 3.500 | 3.500 | 3.500 | 3.500 |
| Pneumococcal (PCV13), 1 dose(s) per vial, LIQUID | 1 | | 3.500 | 3.500 | 3.500 | 3.500 |
| Yellow Fever, 10 dose(s) per vial, LYOPHILISED | 10 | | 0.900 | 0.900 | 0.900 | 0.900 |
| Yellow Fever, 5 dose(s) per vial, LYOPHILISED | 5 | | 0.900 | 0.900 | 0.900 | 0.900 |
| Rotavirus, 2-dose schedule | 1 | | 2.550 | 2.550 | 2.550 | 2.550 |
| Rotavirus, 3-dose schedule | 1 | | 5.000 | 3.500 | 3.500 | 3.500 |
| AD-SYRINGE | 0 | | 0.047 | 0.047 | 0.047 | 0.047 |
| RECONSTIT-SYRINGE-PENTAVAL | 0 | | 0.047 | 0.047 | 0.047 | 0.047 |
| RECONSTIT-SYRINGE-YF | 0 | | 0.004 | 0.004 | 0.004 | 0.004 |
| SAFETY-BOX | 0 | | 0.006 | 0.006 | 0.006 | 0.006 |

Note: WAP weighted average price (to be used for any presentation: For DTP-HepB-Hib, it applies to 1 dose liquid, 2 dose lyophilised and 10 dose liquid. For Yellow Fever, it applies to 5 dose lyophilised and 10 dose lyophilised)

Table 7.10.1: Commodities Cost

Estimated prices of supply and related freight cost: 2011 from UNICEF Supply Division; 2012 onwards: GAVI Secretariat

| Vaccine | Presentation | 2016 |
|--|--------------|-------|
| DTP-HepB, 10 dose(s) per vial, LIQUID | 10 | |
| DTP-HepB-Hib, 1 dose(s) per vial, LIQUID | 1 | 1.927 |
| DTP-HepB-Hib, 10 dose(s) per vial, LIQUID | 10 | 1.927 |
| DTP-HepB-Hib, 2 dose(s) per vial, LYOPHILISED | 2 | 1.927 |
| HPV bivalent, 2 dose(s) per vial, LIQUID | 2 | 5.000 |
| HPV quadrivalent, 1 dose(s) per vial, LIQUID | 1 | 5.000 |
| Measles, 10 dose(s) per vial, LYOPHILISED | 10 | 0.242 |
| Meningogoccal, 10 dose(s) per vial, LIQUID | 10 | 0.520 |
| MR, 10 dose(s) per vial, LYOPHILISED | 10 | 0.494 |
| Pneumococcal (PCV10), 2 dose(s) per vial, LIQUID | 2 | 3.500 |
| Pneumococcal (PCV13), 1 dose(s) per vial, LIQUID | 1 | 3.500 |
| Yellow Fever, 10 dose(s) per vial, LYOPHILISED | 10 | 0.900 |
| Yellow Fever, 5 dose(s) per vial, LYOPHILISED | 5 | 0.900 |
| Rotavirus, 2-dose schedule | 1 | 2.550 |
| Rotavirus, 3-dose schedule | 1 | 3.500 |
| AD-SYRINGE | 0 | 0.047 |
| RECONSTIT-SYRINGE-PENTAVAL | 0 | 0.047 |
| RECONSTIT-SYRINGE-YF | 0 | 0.004 |
| SAFETY-BOX | 0 | 0.006 |

Note: WAP weighted average price (to be used for any presentation: For DTP-HepB-Hib, it applies to 1 dose liquid, 2 dose lyophilised and 10 dose liquid. For Yellow Fever, it applies to 5 dose lyophilised and 10 dose lyophilised)

Table 7.10.2: Freight Cost

| Vaccine Antigens | VaccineTypes | No Threshold | 500, | 000\$ |
|----------------------|---------------------|--------------|---------|--------|
| | | | <= | ^ |
| DTP-HepB | HEPBHIB | 2.00 % | | |
| DTP-HepB-Hib | НЕРВНІВ | | 23.80 % | 6.00 % |
| Measles | MEASLES | 14.00 % | | |
| Meningogoccal | MENINACONJ UGATE | 10.20 % | | |
| Pneumococcal (PCV10) | PNEUMO | 3.00 % | | |
| Pneumococcal (PCV13) | PNEUMO | 6.00 % | | |
| Rotavirus | ROTA | 5.00 % | | |
| Yellow Fever | YF | 7.80 % | | |

7.11. Calculation of requirements

Table 7.11.1: Specifications for DTP-HepB-Hib, 1 dose(s) per vial, LIQUID

| ID | | Source | | 2011 | 2012 | 2013 | 2014 | 2015 | TOTAL |
|----|---|--------------------|----|---------|---------|---------|---------|---------|---------|
| | Number of surviving infants | Table 4 | # | 148,541 | 132,229 | 135,006 | 137,841 | 140,736 | 694,353 |
| | Number of children to be vaccinated with the first dose | Table 4 | # | 127,819 | 115,039 | 118,805 | 122,678 | 126,662 | 611,003 |
| | Number of children to be vaccinated with the third dose | Table 4 | # | 114,773 | 105,783 | 114,755 | 121,300 | 126,662 | 583,273 |
| | Immunisation coverage with the third dose | Table 4 | % | 77.27 % | 80.00 % | 85.00 % | 88.00 % | 90.00 % | |
| | Number of doses per child | Parameter | # | 3 | 3 | 3 | 3 | 3 | |
| | Estimated vaccine wastage factor | Table 4 | # | 1.03 | 1.03 | 1.03 | 1.02 | 1.02 | |
| | Vaccine stock on 1 January 2012 | | # | 0 | | | | | |
| | Number of doses per vial | Parameter | # | | 1 | 1 | 1 | 1 | |
| | AD syringes required | Parameter | # | | Yes | Yes | Yes | Yes | |
| | Reconstitution syringes required | Parameter | # | | No | No | No | No | |
| | Safety boxes required | Parameter | # | | Yes | Yes | Yes | Yes | |
| g | Vaccine price per dose | Table 7.10.1 | \$ | | 2.18 | 2.02 | 1.99 | 1.93 | |
| сс | Country co-financing per dose | Co-financing table | \$ | | 0.20 | 0.20 | 0.20 | 0.20 | |
| ca | AD syringe price per unit | Table 7.10.1 | \$ | | 0.0465 | 0.0465 | 0.0465 | 0.0465 | |
| cr | Reconstitution syringe price per unit | Table 7.10.1 | \$ | | 0 | 0 | 0 | 0 | |
| cs | Safety box price per unit | Table 7.10.1 | \$ | | 0.0058 | 0.0058 | 0.0058 | 0.0058 | |
| fv | Freight cost as % of vaccines value | Table 7.10.2 | % | | 6.00 % | 6.00 % | 6.00 % | 6.00 % | |
| fd | Freight cost as % of devices value | Parameter | % | | 10.00 % | 10.00 % | 10.00 % | 10.00 % | |

Co-financing tables for DTP-HepB-Hib, 1 dose(s) per vial, LIQUID

| Co-financing group Low | | | | | |
|--|------|------|------|------|------|
| | 2011 | 2012 | 2013 | 2014 | 2015 |
| Minimum co-financing | 0.15 | 0.20 | 0.20 | 0.20 | 0.20 |
| Recommended co-financing as per APR 2010 | | | 0.20 | 0.20 | 0.20 |
| Your co-financing | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |

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Table 7.11.2: Estimated GAVI support and country co-financing (GAVI support)

| | | 2012 | 2013 | 2014 | 2015 |
|---------------------------------------|----|---------|---------|---------|---------|
| Number of vaccine doses | # | 324,800 | 335,500 | 341,700 | 352,600 |
| Number of AD syringes | # | 383,100 | 398,900 | 410,900 | 425,200 |
| Number of re-constitution syringes | # | 0 | 0 | 0 | 0 |
| Number of safety boxes | # | 4,275 | 4,450 | 4,575 | 4,725 |
| Total value to be co-financed by GAVI | \$ | 771,000 | 738,000 | 740,500 | 744,500 |

Table 7.11.3: Estimated GAVI support and country co-financing (Country support)

| | | 2012 | 2013 | 2014 | 2015 |
|------------------------------------|---|--------|--------|--------|--------|
| Number of vaccine doses | # | 30,800 | 34,700 | 35,900 | 38,200 |
| Number of AD syringes | # | 0 | 0 | 0 | 0 |
| Number of re-constitution syringes | # | 0 | 0 | 0 | 0 |

| Number of safety boxes | # | 0 | 0 | 0 | 0 |
|--|----|--------|--------|--------|--------|
| Total value to be co-financed by the Country | \$ | 71,500 | 74,500 | 75,500 | 78,500 |

| Table 7.11.4: Calculation of requirements | for DTP-HepB-Hil | o, 1 dose(s) per vial, LIQUID |
|---|------------------|-------------------------------|
| (part 1) | - | |
| | | |

| (part 1) Formula 2011 2012 | | | | | | | | | |
|----------------------------|---|---|---------|---------|------------|---------|--|--|--|
| | | Formula | 2011 | | | | | | |
| | | | Total | Total | Government | GAVI | | | |
| Α | Country co-finance | V | 0.00 % | 8.65 % | | | | | |
| в | Number of children to be vaccinated with the first dose | Table 5.2.1 | 127,819 | 115,039 | 9,948 | 105,091 | | | |
| с | Number of doses per child | Vaccine parameter (schedule) | 3 | 3 | | | | | |
| D | Number of doses needed | BXC | 383,457 | 345,117 | 29,843 | 315,274 | | | |
| Е | Estimated vaccine wastage factor | Table 4 | 1.03 | 1.03 | | | | | |
| F | Number of doses needed including wastage | DXE | 394,961 | 355,471 | 30,739 | 324,732 | | | |
| G | Vaccines buffer stock | (F – F of previous year) * 0.25 | | 0 | 0 | 0 | | | |
| н | Stock on 1 January 2012 | Table 7.11.1 | 0 | | | | | | |
| I | Total vaccine doses needed | F + G – H | | 355,471 | 30,739 | 324,732 | | | |
| J | Number of doses per vial | Vaccine Parameter | | 1 | | | | | |
| к | Number of AD syringes (+ 10% wastage) needed | (D + G – H) * 1.11 | | 383,080 | 0 | 383,080 | | | |
| L | Reconstitution syringes (+ 10% wastage) needed | I/J * 1.11 | | 0 | 0 | 0 | | | |
| м | Total of safety boxes (+ 10% of extra need) needed | (K + L) /100 * 1.11 | | 4,253 | 0 | 4,253 | | | |
| N | Cost of vaccines needed | l x vaccine price per dose (g) | | 775,638 | 67,071 | 708,567 | | | |
| 0 | Cost of AD syringes needed | K x AD syringe price per unit (ca) | | 17,814 | 0 | 17,814 | | | |
| Р | Cost of reconstitution syringes needed | L x reconstitution price per unit (cr) | | 0 | 0 | 0 | | | |
| Q | Cost of safety boxes needed | M x safety box price per unit (cs) | | 25 | 0 | 25 | | | |
| R | Freight cost for vaccines needed | N x freight cost as of % of vaccines value (fv) | | 46,539 | 4,025 | 42,514 | | | |
| s | Freight cost for devices needed | (O+P+Q) x freight cost as % of devices value (fd) | | 1,784 | 0 | 1,784 | | | |
| т | Total fund needed | (N+O+P+Q+R+S) | | 841,800 | 71,095 | 770,705 | | | |
| U | Total country co-financing | l x country co- financing per dose (cc) | | 71,095 | | | | | |
| v | Country co-financing % of GAVI supported proportion | U / (N + R) | | 8.65 % | | | | | |

Table 7.11.4: Calculation of requirements for DTP-HepB-Hib, 1 dose(s) per vial, LIQUID (part 2)

| | | Formula | 2013 | | | | 2014 | |
|---|---|---|---------|------------|---------|---------|------------|---------|
| | | | Total | Government | GAVI | Total | Government | GAVI |
| A | Country co-finance | V | 9.35 % | | | 9.50 % | | |
| в | Number of children to be vaccinated with the first dose | Table 5.2.1 | 118,805 | 11,114 | 107,691 | 122,678 | 11,656 | 111,022 |
| с | Number of doses per child | Vaccine parameter (schedule) | 3 | | | 3 | | |
| D | Number of doses needed | BXC | 356,415 | 33,341 | 323,074 | 368,034 | 34,966 | 333,068 |
| Е | Estimated vaccine wastage factor | Table 4 | 1.03 | | | 1.02 | | |
| F | Number of doses needed including wastage | DXE | 367,108 | 34,342 | 332,766 | 375,395 | 35,665 | 339,730 |
| G | Vaccines buffer stock | (F – F of previous year) * 0.25 | 2,910 | 273 | 2,637 | 2,072 | 197 | 1,875 |
| н | Stock on 1 January 2012 | Table 7.11.1 | | | | | | |
| I | Total vaccine doses needed | F + G – H | 370,018 | 34,614 | 335,404 | 377,467 | 35,862 | 341,605 |
| J | Number of doses per vial | Vaccine Parameter | 1 | | | 1 | | |
| к | Number of AD syringes (+ 10% wastage) needed | (D + G – H) * 1.11 | 398,851 | 0 | 398,851 | 410,818 | 0 | 410,818 |
| L | Reconstitution syringes (+ 10% wastage) needed | I/J * 1.11 | 0 | 0 | 0 | 0 | 0 | 0 |
| м | Total of safety boxes (+ 10% of extra need) needed | (K + L) /100 * 1.11 | 4,428 | 0 | 4,428 | 4,561 | 0 | 4,561 |
| N | Cost of vaccines needed | l x vaccine price per dose (g) | 746,327 | 69,816 | 676,511 | 749,650 | 71,221 | 678,429 |
| 0 | Cost of AD syringes needed | K x AD syringe price per unit (ca) | 746,327 | 0 | 18,547 | 749,650 | 0 | 19,104 |
| Р | Cost of reconstitution syringes needed | L x reconstitution price per unit (cr) | 0 | 0 | 0 | 0 | 0 | 0 |
| Q | Cost of safety boxes needed | M x safety box price per unit (cs) | 26 | 0 | 26 | 27 | 0 | 27 |
| R | Freight cost for vaccines needed | N x freight cost as of % of vaccines value (fv) | 44,780 | 4,189 | 40,591 | 44,979 | 4,274 | 40,705 |
| s | Freight cost for devices needed | (O+P+Q) x freight cost as % of devices value (fd) | 1,858 | 0 | 1,858 | 1,914 | 0 | 1,914 |
| т | Total fund needed | (N+O+P+Q+R+S) | 811,538 | 74,004 | 737,534 | 815,674 | 75,494 | 740,180 |
| U | Total country co-financing | l x country co- financing per dose (cc) | 74,004 | | | 75,494 | | |
| v | Country co-financing % of GAVI supported proportion | U / (N + R) | 9.35 % | | | 9.50 % | | |

| Table 7.11.4: Calculation of requirements for DTP-HepB-Hib, 1 dose(s) per vial, | |
|---|--|
| LIQUID (part 3) | |

| | | Formula | 2015 | | |
|---|---|---|---------|------------|---------|
| | | | Total | Government | GAVI |
| Α | Country co-finance | V | 9.76 % | | |
| в | Number of children to be vaccinated with the first dose | Table 5.2.1 | 126,662 | 12,364 | 114,298 |
| с | Number of doses per child | Vaccine parameter (schedule) | 3 | | |
| D | Number of doses needed | BXC | 379,986 | 37,091 | 342,895 |
| Е | Estimated vaccine wastage factor | Table 4 | 1.02 | | |
| F | Number of doses needed including wastage | DXE | 387,586 | 37,833 | 349,753 |
| G | Vaccines buffer stock | (F – F of previous year) * 0.25 | 3,048 | 298 | 2,750 |
| н | Stock on 1 January 2012 | Table 7.11.1 | | | |
| I | Total vaccine doses needed | F + G – H | 390,634 | 38,130 | 352,504 |
| J | Number of doses per vial | Vaccine Parameter | 1 | | |
| к | Number of AD syringes (+ 10% wastage) needed | (D + G – H) * 1.11 | 425,168 | 0 | 425,168 |
| L | Reconstitution syringes (+ 10% wastage) needed | I/J * 1.11 | 0 | 0 | 0 |
| м | Total of safety boxes (+ 10% of extra need) needed | (K + L) /100 * 1.11 | 4,720 | 0 | 4,720 |
| N | Cost of vaccines needed | l x vaccine price per dose (g) | 755,096 | 73,705 | 681,391 |
| 0 | Cost of AD syringes needed | K x AD syringe price per unit (ca) | 19,771 | 0 | 19,771 |
| Р | Cost of reconstitution syringes needed | L x reconstitution price per unit (cr) | 0 | 0 | 0 |
| Q | Cost of safety boxes needed | M x safety box price per unit (cs) | 28 | 0 | 28 |
| R | Freight cost for vaccines needed | N x freight cost as of % of vaccines value (fv) | 45,306 | 4,423 | 40,883 |
| s | Freight cost for devices needed | (O+P+Q) x freight cost as % of devices value (fd) | 1,980 | 0 | 1,980 |
| т | Total fund needed | (N+O+P+Q+R+S) | 822,181 | 78,127 | 744,054 |
| U | Total country co-financing | l x country co- financing per dose (cc) | 78,127 | | |
| v | Country co-financing % of GAVI supported proportion | U / (N + R) | 9.76 % | | |

Table 7.11.1: Specifications for Yellow Fever, 10 dose(s) per vial, LYOPHILISED

| ID | | Source | | 2011 | 2012 | 2013 | 2014 | 2015 | TOTAL |
|----|---|--------------------|----|---------|---------|---------|---------|---------|---------|
| | Number of surviving infants | Table 4 | # | 148,541 | 132,229 | 135,006 | 137,841 | 140,736 | 694,353 |
| | Number of children to be vaccinated with the first dose | Table 4 | # | 104,376 | 99,172 | 80.00 % | 117,165 | 126,662 | 555,380 |
| | Number of doses per child | Parameter | # | 1 | 1 | 1 | 1 | 1 | |
| | Estimated vaccine wastage factor | Table 4 | # | 1.47 | 1.47 | 1.43 | 1.43 | 1.43 | |
| | Vaccine stock on 1 January 2012 | | # | 0 | | | | | |
| | Number of doses per vial | Parameter | # | | 10 | 10 | 10 | 10 | |
| | AD syringes required | Parameter | # | | Yes | Yes | Yes | Yes | |
| | Reconstitution syringes required | Parameter | # | | Yes | Yes | Yes | Yes | |
| | Safety boxes required | Parameter | # | | Yes | Yes | Yes | Yes | |
| g | Vaccine price per dose | Table 7.10.1 | \$ | | 0.90 | 0.90 | 0.90 | 0.90 | |
| сс | Country co-financing per dose | Co-financing table | \$ | | 0.20 | 0.20 | 0.20 | 0.20 | |
| ca | AD syringe price per unit | Table 7.10.1 | \$ | | 0.0465 | 0.0465 | 0.0465 | 0.0465 | |
| cr | Reconstitution syringe price per unit | Table 7.10.1 | \$ | | 0 | 0 | 0 | 0 | |
| cs | Safety box price per unit | Table 7.10.1 | \$ | | 0.0058 | 0.0058 | 0.0058 | 0.0058 | |
| fv | Freight cost as % of vaccines value | Table 7.10.2 | % | | 7.80 % | 7.80 % | 7.80 % | 7.80 % | |
| fd | Freight cost as % of devices value | Parameter | % | | 10.00 % | 10.00 % | 10.00 % | 10.00 % | |

Co-financing tables for Yellow Fever, 10 dose(s) per vial, LYOPHILISED

| Co-financing group Low | | | | | | | | | |
|--|------|------|------|------|------|--|--|--|--|
| | 2011 | 2012 | 2013 | 2014 | 2015 | | | | |
| Minimum co-financing | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | | | | |
| Recommended co-financing as per APR 2010 | | | 0.20 | 0.20 | 0.20 | | | | |
| Your co-financing | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | | | | |

Table 7.11.2: Estimated GAVI support and country co-financing (GAVI support)

| | | 2012 | 2013 | 2014 | 2015 |
|---------------------------------------|----|---------|---------|---------|---------|
| Number of vaccine doses | # | 115,800 | 124,400 | 135,700 | 146,500 |
| Number of AD syringes | # | 110,100 | 122,300 | 133,700 | 144,400 |
| Number of re-constitution syringes | # | 16,200 | 17,400 | 19,000 | 20,500 |
| Number of safety boxes | # | 1,425 | 1,575 | 1,700 | 1,850 |
| Total value to be co-financed by GAVI | \$ | 118,000 | 127,000 | 138,500 | 150,000 |

Table 7.11.3: Estimated GAVI support and country co-financing (Country support)

| | | 2012 | 2013 | 2014 | 2015 |
|--|----|--------|--------|--------|--------|
| Number of vaccine doses | # | 30,100 | 32,300 | 35,300 | 38,100 |
| Number of AD syringes | # | 0 | 0 | 0 | 0 |
| Number of re-constitution syringes | # | 0 | 0 | 0 | 0 |
| Number of safety boxes | # | 0 | 0 | 0 | 0 |
| Total value to be co-financed by the Country | \$ | 29,500 | 31,500 | 34,500 | 37,000 |

Table 7.11.4: Calculation of requirements for Yellow Fever, 10 dose(s) per vial, LYOPHILISED (part 1)

| | | Formula | 2011 | | | |
|---|--|---|---------|---------|------------|---------|
| | | | Total | Total | Government | GAVI |
| Α | Country co-finance | V | 0.00 % | 20.61 % | | |
| в | Number of children to be vaccinated with the first dose | Table 5.2.1 | 104,376 | 99,172 | 20,444 | 78,728 |
| с | Number of doses per child | Vaccine parameter (schedule) | 1 | 1 | | |
| D | Number of doses needed | BXC | 104,376 | 99,172 | 20,444 | 78,728 |
| Е | Estimated vaccine wastage factor | Table 4 | 1.47 | 1.47 | | |
| F | Number of doses needed including wastage | DXE | 153,433 | 145,783 | 30,053 | 115,730 |
| G | Vaccines buffer stock | (F – F of previous year) * 0.25 | | 0 | 0 | 0 |
| н | Stock on 1 January 2012 | Table 7.11.1 | 0 | | | |
| I | Total vaccine doses needed | F + G – H | | 145,783 | 30,053 | 115,730 |
| J | Number of doses per vial | Vaccine Parameter | | 10 | | |
| к | Number of AD syringes (+ 10% wastage) needed | (D + G – H) * 1.11 | | 110,081 | 0 | 110,081 |
| L | Reconstitution syringes (+ 10% wastage) needed | I/J * 1.11 | | 16,182 | 0 | 16,182 |
| м | Total of safety boxes (+ 10% of extra need) needed | (K + L) /100 * 1.11 | | 1,402 | 0 | 1,402 |
| N | Cost of vaccines needed | l x vaccine price per dose (g) | | 131,205 | 27,048 | 104,157 |
| 0 | Cost of AD syringes needed | K x AD syringe price per unit (ca) | | 5,119 | 0 | 5,119 |
| Р | Cost of reconstitution syringes needed | L x reconstitution price per unit (cr) | | 60 | 0 | 60 |
| Q | Cost of safety boxes needed | M x safety box price per unit (cs) | | 9 | 0 | 9 |
| R | Freight cost for vaccines needed | N x freight cost as of % of vaccines value (fv) | | 10,234 | 2,110 | 8,124 |
| s | Freight cost for devices needed | (O+P+Q) x freight cost as % of devices value (fd) | | 519 | 0 | 519 |
| т | Total fund needed | (N+O+P+Q+R+S) | | 147,146 | 29,157 | 117,989 |
| U | Total country co-financing | l x country co- financing per dose (cc) | | 29,157 | | |
| v | Country co-financing % of GAVI supported proportion | U / (N + R) | | 20.61 % | | |

Table 7.11.4: Calculation of requirements for Yellow Fever, 10 dose(s) per vial, LYOPHILISED (part 2)

| | | Formula | 2013 | | | | 2014 | |
|---|---|---|---------|------------|---------|---------|------------|---------|
| | | | Total | Government | GAVI | Total | Government | GAVI |
| A | Country co-finance | V | 20.61 % | | | 20.61 % | | |
| в | Number of children to be vaccinated with the first dose | Table 5.2.1 | 108,005 | 22,265 | 85,740 | 117,165 | 24,154 | 93,011 |
| с | Number of doses per child | Vaccine parameter (schedule) | 1 | | | 1 | | |
| D | Number of doses needed | BXC | 108,005 | 22,265 | 85,740 | 117,165 | 24,154 | 93,011 |
| Е | Estimated vaccine wastage factor | Table 4 | 1.43 | | | 1.43 | | |
| F | Number of doses needed including wastage | DXE | 154,448 | 31,839 | 122,609 | 167,546 | 34,540 | 133,006 |
| G | Vaccines buffer stock | (F – F of previous year) * 0.25 | 2,167 | 447 | 1,720 | 3,275 | 676 | 2,599 |
| н | Stock on 1 January 2012 | Table 7.11.1 | | | | | | |
| I | Total vaccine doses needed | F + G – H | 156,615 | 32,285 | 124,330 | 170,821 | 35,215 | 135,606 |
| J | Number of doses per vial | Vaccine Parameter | 10 | | | 10 | | |
| к | Number of AD syringes (+ 10% wastage) needed | (D + G – H) * 1.11 | 122,291 | 0 | 122,291 | 133,689 | 0 | 133,689 |
| L | Reconstitution syringes (+ 10% wastage) needed | I/J * 1.11 | 17,385 | 0 | 17,385 | 18,962 | 0 | 18,962 |
| м | Total of safety boxes (+ 10% of extra need) needed | (K + L) /100 * 1.11 | 1,551 | 0 | 1,551 | 1,695 | 0 | 1,695 |
| N | Cost of vaccines needed | l x vaccine price per dose (g) | 140,954 | 29,057 | 111,897 | 153,739 | 31,693 | 122,046 |
| 0 | Cost of AD syringes needed | K x AD syringe price per unit (ca) | 140,954 | 0 | 5,687 | 153,739 | 0 | 6,217 |
| Р | Cost of reconstitution syringes needed | L x reconstitution price per unit (cr) | 65 | 0 | 65 | 71 | 0 | 71 |
| ۵ | Cost of safety boxes needed | M x safety box price per unit (cs) | 9 | 0 | 9 | 10 | 0 | 10 |
| R | Freight cost for vaccines needed | N x freight cost as of % of vaccines value (fv) | 10,995 | 2,267 | 8,728 | 11,992 | 2,473 | 9,519 |
| s | Freight cost for devices needed | (O+P+Q) x freight cost as % of devices value (fd) | 577 | 0 | 577 | 630 | 0 | 630 |
| т | Total fund needed | (N+O+P+Q+R+S) | 158,287 | 31,323 | 126,964 | 172,659 | 34,165 | 138,494 |
| U | Total country co-financing | l x country co- financing per dose (cc) | 31,323 | | | 34,165 | | |
| v | Country co-financing % of GAVI supported proportion | U / (N + R) | 20.61 % | | | 20.61 % | | |

Table 7.11.4: Calculation of requirements for Yellow Fever, 10 dose(s) per vial, LYOPHILISED (part 3)

| | | Formula | 2015 | | |
|---|---|---|---------|------------|---------|
| | | | Total | Government | GAVI |
| Α | Country co-finance | V | 20.61 % | | |
| в | Number of children to be vaccinated with the first dose | Table 5.2.1 | 126,662 | 26,111 | 100,551 |
| с | Number of doses per child | Vaccine parameter (schedule) | 1 | | |
| D | Number of doses needed | BXC | 126,662 | 26,111 | 100,551 |
| Е | Estimated vaccine wastage factor | Table 4 | 1.43 | | |
| F | Number of doses needed including wastage | DXE | 181,127 | 37,339 | 143,788 |
| G | Vaccines buffer stock | (F – F of previous year) * 0.25 | 3,396 | 701 | 2,695 |
| н | Stock on 1 January 2012 | Table 7.11.1 | | | |
| I | Total vaccine doses needed | F + G – H | 184,523 | 38,039 | 146,484 |
| J | Number of doses per vial | Vaccine Parameter | 10 | | |
| к | Number of AD syringes (+ 10% wastage) needed | (D + G – H) * 1.11 | 144,365 | 0 | 144,365 |
| L | Reconstitution syringes (+ 10% wastage) needed | I/J * 1.11 | 20,483 | 0 | 20,483 |
| м | Total of safety boxes (+ 10% of extra need) needed | (K + L) /100 * 1.11 | 1,830 | 0 | 1,830 |
| N | Cost of vaccines needed | l x vaccine price per dose (g) | 166,071 | 34,235 | 131,836 |
| 0 | Cost of AD syringes needed | K x AD syringe price per unit (ca) | 6,713 | 0 | 6,713 |
| Р | Cost of reconstitution syringes needed | L x reconstitution price per unit (cr) | 76 | 0 | 76 |
| Q | Cost of safety boxes needed | M x safety box price per unit (cs) | 11 | 0 | 11 |
| R | Freight cost for vaccines needed | N x freight cost as of % of vaccines value (fv) | 12,954 | 2,671 | 10,283 |
| s | Freight cost for devices needed | (O+P+Q) x freight cost as % of devices value (fd) | 680 | 0 | 680 |
| т | Total fund needed | (N+O+P+Q+R+S) | 186,505 | 36,905 | 149,600 |
| U | Total country co-financing | l x country co- financing per dose (cc) | 36,905 | | |
| v | Country co-financing % of GAVI supported proportion | U / (N + R) | 20.61 % | | |

8. Injection Safety Support (INS)

Liberia is not reporting on Injection Safety Support (INS) in 2012

9. Health Systems Strengthening Support (HSS)

Instructions for reporting on HSS funds received

1. Please complete this section only if your country was approved for <u>and</u> received HSS funds before or during January to December 2011. All countries are expected to report on:

- a. Progress achieved in 2011
- b. HSS implementation during January April 2012 (interim reporting)
- c. Plans for 2013
- d. Proposed changes to approved activities and budget (see No. 4 below)

For countries that received HSS funds within the last 3 months of 2011, or experienced other delays that limited implementation in 2011, this section can be used as an inception report to comment on start up activities.

2. In order to better align HSS support reporting to country processes, for countries of which the 2011 fiscal year starts in January 2011 and ends in December 2011, HSS reports should be received by the GAVI Alliance before **15th May 2012**. For other countries, HSS reports should be received by the GAVI Alliance approximately six months after the end of country fiscal year, e.g., if the country fiscal year ends in March 2012, the HSS reports are expected by GAVI Alliance by September 2012.

3. Please use your approved proposal as reference to fill in this Annual Progress Report. Please fill in this reporting template thoroughly and accurately and use additional space as necessary.

4. If you are proposing changes to approved activities and budget (reprogramming) please explain these changes in this report (Table/Section <u>9.5</u>, <u>9.6</u> and <u>9.7</u>) and provide explanations for each change so that the IRC can approve the revised budget and activities. Please note that if the change in budget is greater than 15% of the approved allocation for the specific activity in that financial year, these proposed changes must be submitted for IRC approval. The changes must have been discussed and documented in the HSCC minutes (or equivalent).

5. If you are requesting a new tranche of funding, please make this clear in Section 9.1.2.

6. Please ensure that, prior to its submission to the GAVI Alliance Secretariat, this report has been endorsed by the relevant country coordination mechanisms (HSCC or equivalent) as provided for on the signature page in terms of its accuracy and validity of facts, figures and sources used.

- 7. Please attach all required supporting documents. These include:
 - a. Minutes of all the HSCC meetings held in 2011
 - b. Minutes of the HSCC meeting in 2012 that endorses the submission of this report
 - c. Latest Health Sector Review Report
 - d. Financial statement for the use of HSS funds in the 2011 calendar year
 - e. External audit report for HSS funds during the most recent fiscal year (if available)

8. The GAVI Alliance Independent Review Committee (IRC) reviews all Annual Progress Reports. In addition to the information listed above, the IRC requires the following information to be included in this section in order to approve further tranches of HSS funding:

a. Reporting on agreed indicators, as outlined in the approved M&E framework, proposal and approval letter;

b. Demonstration of (with tangible evidence) strong links between activities, output, outcome and impact indicators;

c. Outline of technical support that may be required to either support the implementation or monitoring of the GAVI HSS investment in the coming year

9. Inaccurate, incomplete or unsubstantiated reporting may lead the IRC to either send the APR back to your country for clarifications (which may cause delays in the release of further HSS funds), to recommend against the release of further HSS funds or only approve part of the next tranche of HSS funds.

9.1. Report on the use of HSS funds in 2011 and request of a new tranche

9.1.1. Report on the use of HSS funds in 2011

Please complete <u>Table 9.1.3.a</u> and <u>9.1.3.b</u> (as per APR) for each year of your country's approved multi-year HSS programme and both in US\$ and local currency

Please note: If you are requesting a new tranche of funding, please make sure you fill in the last row of <u>Table 9.1.3.a</u> and <u>9.1.3.b</u>.

9.1.2. Please indicate if you are requesting a new tranche of funding Yes

If yes, please indicate the amount of funding requested: 1022380 US\$

9.1.3. Is GAVI's HSS support reported on the national health sector budget? Not selected

<u>NB:</u> Country will fill both \$ and local currency tables. This enables consistency check for TAP.

Table 9.1.3a (US)\$

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|---|---------|---------|---------|---------|---------|---------|
| Original annual budgets (as per the originally approved HSS proposal) | 1022380 | 1022380 | 1022380 | 1022380 | | |
| Revised annual budgets (<i>if revised by previous</i> <i>Annual Progress</i> <i>Reviews</i>) | 0 | 0 | 0 | 0 | | |
| Total funds received from GAVI during the calendar year (<i>A</i>) | 1022500 | 1022500 | 0 | 1022500 | | |
| Remaining funds (carry over) from previous year (<i>B</i>) | 0 | 995329 | 743743 | 202148 | 587267 | 403442 |
| Total Funds available during the calendar year (<i>C=A+B</i>) | 1022500 | 2017829 | 743743 | 1224648 | 722665 | |
| Total expenditure during the calendar year (<i>D</i>) | 27171 | 1274085 | 541596 | 637379 | 319223 | |
| Balance carried forward to next calendar year (<i>E</i> = <i>C</i> - <i>D</i>) | 995329 | 743743 | 202148 | 587267 | 403442 | |
| Amount of funding requested for future calendar year(s) [please ensure you complete this row if you are requesting a new tranche] | 1022380 | 1022380 | 1022380 | 1022380 | 1022380 | 1022380 |

Table 9.1.3b (Local currency)

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|---|---------|---------|---------|---------|------|------|
| Original annual budgets (as per the originally approved HSS proposal) | 1022380 | 1022380 | 1022380 | 1022380 | | |
| Revised annual budgets (<i>if revised by previous</i> <i>Annual Progress</i> <i>Reviews</i>) | 0 | 0 | 0 | 0 | | |
| Total funds received from GAVI during the calendar year (<i>A</i>) | 1022500 | 1022500 | 0 | 1022500 | | |

| Remaining funds (carry over) from previous year (<i>B</i>) | 0 | 995329 | 743743 | 202148 | 587267 | 403442 |
|---|---------|---------|---------|---------|---------|---------|
| Total Funds available during the calendar year $(C=A+B)$ | 1022500 | 2017829 | 743743 | 1224648 | 722665 | |
| Total expenditure during the calendar year (<i>D</i>) | 27171 | 1274085 | 541596 | 637379 | 319223 | |
| Balance carried forward to next calendar year (<i>E</i> = <i>C</i> - <i>D</i>) | 995329 | 743743 | 202148 | 587267 | 403442 | |
| Amount of funding requested for future calendar year(s) [please ensure you complete this row if you are requesting a new tranche] | 1022380 | 1022380 | 1022380 | 1022380 | 1022380 | 1022380 |

Report of Exchange Rate Fluctuation

Please indicate in the table <u>Table 9.3.c</u> below the exchange rate used for each calendar year at opening and closing.

Table 9.1.3.c

| Exchange Rate | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|---------------------------|------|------|------|------|------|------|
| Opening on 1 January | 1 | 1 | 1 | 1 | 1 | 1 |
| Closing on 31 December | 1 | 1 | 1 | 1 | 1 | 1 |

Detailed expenditure of HSS funds during the 2011 calendar year

Please attach a detailed financial statement for the use of HSS funds during the 2011 calendar year (*Terms of reference for this financial statement are attached in the online APR Annexes*). Financial statements should be signed by the Chief Accountant or by the Permanent Secretary of Ministry of Health. (**Document Number:**)

If any expenditures for the January April 2012 period are reported in Tables 9.1.3a and 9.1.3b, a separate, detailed financial statement for the use of these HSS funds must also be attached **(Document Number:)**

Financial management of HSS funds

Briefly describe the financial management arrangements and process used for your HSS funds. Notify whether HSS funds have been included in national health sector plans and budgets. Report also on any problems that have been encountered involving the use of HSS funds, such as delays in availability of funds for programme use.

Please include details on: the type of bank account(s) used (commercial versus government accounts); how budgets are approved; how funds are channelled to the sub-national levels; financial reporting arrangements at both the sub-national and national levels; and the overall role of the HSCC in this process.

GAVI HSS funds are managed by the Ministry's Office of Financial Management (OFM) through a commercial bank (ECOBANK Account Number: 10-6100163-12-011) where other projects and donors funds are kept. OFM has the responsibilities to ensure that fiduciary arrangements are in place to guarantee, trust, confidence, transparency and accountability of both government and donors' monies. OFM has the required capacity to manage GAVI funds properly and effectively.

At the Ministry, request for funds by an implementer (County, Department, programs, etc) is made to the Deputy Minister who serves as the head of that requesting implementer for approval. When it is approved, it is taken to the procurement sections for scrutiny, if there are items to be purchased and then to the office of financial management for payment when the purchase is done. The department head is expected to review and ensure that the activity being requested to implement is aligned with both the department and GAVI Work Plan and the amount requested does not exceed what is available.

The procurement and internal audit Units on the other hand are to ensure that the request follows the Public Procurement regulation for business transactions (e.g., analysis of three quotations for better price and quality, availability of specifications and contracts, etc). When the request is accepted and purchase made, the procurement Unit submit the approved request for payment to the office of financial management were request are also review base on budgetary allocation.

Activities that are county specific received funds based on planned activities and budgetary allocation through their bank accounts for implementation.

Each implementer is expected to liquidate funds approved and disbursed based on the Ministry's acceptable procedure and format. Both narrative summaries of activities implemented and financial receipts are require by the end of each implementation.

Audits are usually commissioned by the Ministry or donor at the end of each project. However, to meet GAVI financial requirements, annual audits will be commissioned and reports submitted to GAVI to ensure financial transparency and accountability. Also, GAVI annual progress reports will be submitted to track progress and show financial execution. The current system and channel of request and approval will be adhered to during the implementation of the HSS grant.

Each implementer is expected to liquidate funds approved and disbursed based on the Ministry's acceptable procedure and format. Both narrative summaries of activities implemented and financial receipts are require by the end of each implementation.

Audits are usually commissioned by the Ministry or donor at the end of each project. However, to meet GAVI financial requirements, annual audits will be commissioned and reports submitted to GAVI to ensure financial transparency and accountability. Also, GAVI annual progress reports will be submitted to track progress and show financial execution. The current system and channel of request and approval will be adhered to during the implementation of the HSS grant.

Has an external audit been conducted? Yes

External audit reports for HSS programmes are due to the GAVI Secretariat six months following the close of your governments fiscal year. If an external audit report is available during your governments most recent fiscal year, this must also be attached (Document Number:)

9.2. Progress on HSS activities in the 2011 fiscal year

Please report on major activities conducted to strengthen immunisation using HSS funds in Table 9.2. It is very important to be precise about the extent of progress and use the M&E framework in your original application and approval letter.

Please provide the following information for each planned activity:

- The percentage of activity completed where applicable
- An explanation about progress achieved and constraints, if any
- The source of information/data if relevant.

Table 9.2: HSS activities in the 2011 reporting year

| Major Activities (insert as many rows as necessary) | Planned Activity for 2011 | Percentage of Activity completed (annual) (where applicable) | Source of information/data (if relevant) |
|---|--|--|---|
| Activity 2.1: | Train gCHV to provide family planning services, WASH etc. | | |
| Activity 3.1: | Conduct regular EPI outreach Conduct national EPI campaigns Intensive EPI services in areas occupied by Ivorian refugees | | |
| | Produce and dissemination HR Policy and Plan Print and disseminate the Pre-investment Study Report | | |

9.2.1 For each objective and activity (i.e. Objective 1, Activity 1.1, Activity 1.2, etc.), explain the progress achieved and relevant constraints (e.g. evaluations, HSCC meetings).

| Major Activities (insert as many rows as necessary) | Explain progress achieved and relevant constraints |
|---|---|
| Objective 1: To implement BPHS with child survival | The implementation of the BPHS was achieved by 80% before the introduction of a new Policy and Plan that calls for Essential Package of Health Services (EPHS). The implementation of the BPHS has contributed to the improvement in health outcomes especially MDGs 4, 5 and 6. |
| Activity 2: Define the role of the community in th | The Community Health Services Policy and Strategy was revised. The revised Policy and Strategy redefine the roles and responsibilities of community health volunteers. Community health volunteers treated 7,583 patients for Malaria (4,333), Acute Respiratory Infection (1,625) and Diarrhea. Also, 600 complicated cases were referred to health facilities for treatment (Malaria,-369; ARI,-119 and Diarrhea,-112) by gCHVs in the ICCM pilot project. In addition to the ICCM pilot, community health volunteers assessed 95,961 cases, treated 64,851 (Diarrhea,-41,547; ARI,-13,374; and Malaria,-5,397) and referred 31,110 patients to health facilities nationwide. These initiatives by the gCHVs have contributed to morbidity and mortality reduction in under-five. |

9.2.2 Explain why any activities have not been implemented, or have been modified, with references.

Some of the activities were not implemented because of the following reasons:

- HR data based establishment: this activities was not implemented because of limited expertise and the search for appropriate HRH software.
- Procurement of vehicles for HMIS and M&E quarterly data verifications: This was due to lack of disbursement of GAVI HSS fund in 2011.
- Conduct of operational research: This was not implemented because the Research Unit was established in 2011 and the focused of the Unit was to set the research agenda of the next 5 years with the support of partners.

Stock and physical assets database: Data base on stock management was not established merely because of lack of technical capacity

9.2.3 If GAVI HSS grant has been utilised to provide national health human resources incentives, how has the GAVI HSS grant been contributing to the implementation of national Human Resource policy or guidelines?

The amount of US\$ 15,000 was allocated for HR technical assistance over the grant period. However, support staff of the HR Unit received monthly incentive to make the Unit operational.

9.3. General overview of targets achieved

Please complete **Table 9.3** for each indicator and objective outlined in the original approved proposal and decision letter. Please use the baseline values and targets for 2010 from your original HSS proposal.

 Table 9.3: Progress on targets achieved

| Name of Objective or Indicator (Insert as many rows as necessary) | | seline | Agreed target till end of support in original HSS application | 2011 Target | | | | | | Data Source | Explanation if any targets were not achieved |
|---|-------------------|--|---|------------------|------|--|--|----------------------------|--|--------------------------------|---|
| | Baseline value | Baseline source/date | | | 2007 | 2008 | 2009 | 2010 | 2011 | | |
| 1.1 BCG | 134,993 (82%) | 2005 | 181,379 (96%) | 181,858 (96%) | | 179,65 3 (92%) | 165,60 3 (93%) | 138,41 4 (74.9%) | 167,10 9 (78%) | Administr ative coverage | All of the immunization targets were not achieved because of the following reasons: 1. Insufficient and erratic outreach activities 2. Frequent staff turnover and limited staff involved with vaccination at the clinic 3. Lots of Polio campaigns (7 rounds) affected routine immunization activities. 4. Limited logistics to conduct outreach and supervision |
| 1.2 OPV3 | 101,278 (77%) | Same as above | 148,270 (92%) | 145,486 (92%) | | 144,71 4 (92%) | 140,88 1 (99%) | 108,78 2 (73%) | 138,14 4 (77%) | Same as above | |
| 1.3 DTP3/Penta3 | 123,641 (94%) | Same as above | 148,270 (92%) | 145,486 (92%) | | 144,46 9 (92%) | 132,69 7 (93%) | 109,67 5 (74%) | 129,51 0 (78%) | Same as above | |
| 1.4 Measles | 123,641 (94%) | Same as above | 145,047 (96%) | 145,486 (96%) | | 148,18 5 (95%) | 136,76 9 (96%) | 104,97 4 (69.9%) | 120,87 6 (73%) | Same as above | |
| 1.5 Yellow Fever | 116,649 | Same as above | 145,047 | 145,047 | | 145,04 7 | 5 | 134,02 5 (94%) | 98,844 (68.3) 126,92 0 (71%) | Same as above | |
| TT2+ coverage for pregnant women | 118,055 (72%) | Same as above | 118,055 (72%) | 181,858 (80%) | | 176,12 9 (90%) | 171,45 7 (96%) | 115,35 0 (63%) | 148,54 2 (74%) | Same as above | |
| 1.6 Vit-A supplement Infants (>6 months) | 75% | Same as above | 85% | 145,486 (85%) | | 145,48 6 (114,71 9 (73%) | 133,08 7 (93%) 92,234 133,08 7 (93%) | 92,234 (63%) | 98,535 (56.6%) | Same as above | |
| % of counties/health facilities implementing BPHS, | <10% | NHP&P 2007/2011 & BPHS Document | 70% | 70% | | 10% | 34.9% | 80.2% | 100% | Same as above | |
| 1.4 Under-five Mortality Rate | 235 | 2005 | 170 | 170 | | | 114 | N/A | N/A | | |

| 2.1 % of primary health facilities with functional | N/A | N/A | | | 50% | N/A | |
|---|-----|-----|--|--|-----|-----|--|
| .2 % of health facilities with delivery of improve | | | | | | N/A | |

9.4. Programme implementation in 2011

9.4.1. Please provide a narrative on major accomplishments in 2011, especially impacts on health service programs, notably the organization program

Introduction

The overall objective of the GAVI HSS proposal submitted by the Government of Liberia was to request GAVI support for Health Systems Strengthening (HSS) within the renewed GAVI Phase 2 commitment for 2007-2010 in line with the National Health and Social Welfare Plan 2007 - 2011 and the end of cMYP 2010. Though the National Health Plan and the cMYP have been revised the HSS is still been implemented due to delays in the disbursement of funds from GAVI. Since 2007 only three disbursements have been made (2007, 2008 and 2010).

The main goal of the proposal is to promote the health of children and women by implementing plans to significantly reduce infant, childhood and maternal mortality and morbidity aimed at reaching the MDGs. The objectives are 1) to implement BPHS with child survival as an entry point; 2) to link health services with the community by expanding community-based workforce; and 3) to strengthen evidence-based management of primary health care service provision by managing BPHS with emphasis on community-based health services.

To implement the National Health Plan (2007-2011), 22 activities were identified to be delivered within the grant cycle. The main indicators for measuring progress of implementation of the HSS grants were coverage of DPT3/Penta-3, and measles.

Major Accomplishments

· EPI: the immunization program achieved the following during the period under review.

1). Procured 60 Yamaha Motorbikes for 15 counties to strengthen district integrated outreach services in under serve communities. Every (100%) district has at least one motorbike.

2). Developed, printed and distributed standard surveillance case definition posters to all health facilities in all counties. This was an effort to intensify early detection and prompt reporting of diseases under active surveillance in the country.

3). Conducted one (1) national EPI review meeting to assess implementation of planned activities

4). Enhanced the Capacity of health workers on general immunization issues, including development and roll out of micro-plans for counties and health facilities

5). Recruited, trained and deployed professional staff to serve as EPI focal points and surveillance officers at county and district levels

6). There were seven successful mass polio campaigns conducted in 2010 targeting 750,000 children 0-59 months to buttress the administration of routine immunization and to disrupt the transmission of wide polio. For every round, over 95% coverage was achieved.

 HMIS: the GAVI HSS fund has contributed immensely to the development and improvement of the Liberia health management information system. The Ministry has increased the coverage and quality of data from a fragmented, uncoordinated and under reporting (40%) to a more coordinated, harmonized system with coverage of 77% in 2011. The Ministry has an integrated reporting instrument and harmonized data collection tools across public health facility. USAID and GAVI supported this initiative. This has led to improvement in the 2011 annual report and the used of evidence for the development of the 10-year National Health Plan and the improvement in performance based financing.

Please refer to attachment section (others) for additional details on major accomplishments in 2011.

9.4.2. Please describe problems encountered and solutions found or proposed to improve future performance of HSS funds.

9.4.3. Please describe the exact arrangements at different levels for monitoring and evaluating GAVI funded HSS activities.

GAVI HSS funded activities are mostly monitored at the central level. However, there are M&E officers posted at the county level to monitor health sector activities within their respective counties which include GAVI HSS activities. At the county level, M&E officers are trained to collect and submit monthly report and monitor their county performance.

9.4.4. Please outline to what extent the M&E is integrated with country systems (such as, for example, annual sector reviews). Please describe ways in which reporting on GAVI HSS funds can be more organization with existing reporting systems in your country. This could include using the relevant indicators agreed in the sector-wide approach in place of GAVI indicators.

9.4.5. Please specify the participation of key stakeholders in the implementation of the HSS proposal (including Civil Society Organisations). This should include organization type, name and implementation function.

9.4.6. Please describe the participation of Civil Society Organisations in the implementation of the HSS proposal. Please provide names of organisations, type of activities and funding provided to these organisations from the HSS funding.

9.4.7. Please describe the management of HSS funds and include the following:

- Whether the management of HSS funds has been effective
- Constraints to internal fund disbursement, if any
- Actions taken to address any issues and to improve management
- Any changes to management processes in the coming year
- The management of GAVI HSS fund is flexible and there is no hindrance in accessing funds.
- To access fund, requesting Unit do not need an external level of approval.
- The GAVI HSS fund is managed by the office of financial management (OFM) like other projects funds received by the Ministry.
- There are clear procedures in place to access fund.
- Request for fund to implement an activity is generated by the Director of the Unit that has the mandate to deliver on such activity.
- Request for fund is approved by two Deputy Ministers (1. Deputy for Planning and 2. Deputy for Health Services) who have oversight responsibilities. When request are approved by any of these Deputy Ministers, it is forwarded to the office of financial management for release. The OFM is headed by the Deputy Minister for Administration.

There is no management problem with GAVI HSS fund. The key challenge is limited human capacity to utilize the fund on time and the slow disbursement of funds from GAVI.

9.5. Planned HSS activities for 2012

Please use **Table 9.5** to provide information on progress on activities in 2012. If you are proposing changes to your activities and budget in 2012 please explain these changes in the table below and provide explanations for these changes.

Table 9.5: Planned activities for 2012

| Major Activities (insert as many rows as necessary) | Planned Activity for 2012 | Original budget for 2012 (as approved in the HSS proposal or as adjusted during past annual progress reviews) | 2012 actual expenditure (as at April 2012) | Revised activity (if relevant) | Explanation for proposed changes to activities or budget (if relevant) | Revised budget for 2012 (if relevant) |
|---|---------------------------------|--|--|-----------------------------------|---|---|
| | | 0 | 0 | | | 0 |

9.6. Planned HSS activities for 2013

Please use **Table 9.6** to outline planned activities for 2013. If you are proposing changes to your activities and budget (reprogramming) please explain these changes in the table below and provide explanations for each change so that the IRC can approve the revised budget and activities.

Please note that if the change in budget is greater than 15% of the approved allocation for the specific activity in that financial year, these proposed changes must be submitted for IRC approval with the evidence for requested changes

Table 9.6: Planned HSS Activities for 2013

| Major Activities (insert as many rows as necessary) | Planned Activity for 2013 | Original budget for 2013 (as approved in the HSS proposal or as adjusted during past annual progress reviews) | Revised activity (if relevant) | Explanation for proposed changes to activities or budget (if relevant) | Revised budget for 2013 (if relevant) |
|---|---------------------------------|--|---------------------------------------|---|---|
| | | 0 | | | |

9.6.1. If you are reprogramming, please justify why you are doing so.

9.6.2. If you are reprogramming, please outline the decision making process for any proposed changes

9.6.3. Did you propose changes to your planned activities and/or budget for 2013 in Table 9.6 ? Not selected

9.7. Revised indicators in case of reprogramming

If the proposed changes to your activities and budget for 2013 affect the indicators used to measure progress, please use **Table 9.7** to propose revised indicators for the remainder of your HSS grant for IRC approval.

Table 9.7: Revised indicators for HSS grant in case of reprogramming

| Name of Objective or Indicator (Insert as many rows as necessary)NumeratorDenominatorData S | urce Baseline value and date Baseline Source | Agreed target till end of support in original HSS application |
|---|--|--|
|---|--|--|

9.7.1. Please provide justification for proposed changes in the **definition**, **denominator and data source of the indicators** proposed in Table 9.6

9.7.2. Please explain how the changes in indicators outlined in Table 9.7 will allow you to achieve your targets

9.8. Other sources of funding for HSS

If other donors are contributing to the achievement of the country's objectives as outlined in the GAVI HSS proposal, please outline the amount and links to inputs being reported on:

Table 9.8: Sources of HSS funds in your country

| Donor | Amount in US\$ | Duration of support | Type of activities funded |
|-------|----------------|---------------------|---------------------------|
| | | | |

9.8.1. Is GAVI's HSS support reported on the national health sector budget? Not selected

9.9. Reporting on the HSS grant

9.9.1. Please list the **main** sources of information used in this HSS report and outline the following:

- How information was validated at country level prior to its submission to the GAVI Alliance.

- Any important issues raised in terms of accuracy or validity of information (especially financial information and the values of indicators) and how these were dealt with or resolved.

Table 9.9: Data sources

| Data sources used in this report How information was validated | | Problems experienced, if any | |
|--|--|------------------------------|--|
| | | | |

9.9.2. Please describe any difficulties experienced in putting this report together that you would like the GAVI Alliance and IRC to be aware of. This information will be used to improve the reporting process.

9.9.3. How many times did the Health Sector Coordinating Committee (HSCC) meet in 2010??

Please attach:

1. The minutes from all the HSCC meetings held in 2010, including those of the meeting which discussed/endorsed this report (**Document Number: 23**)

2. The latest Health Sector Review report (Document Number:)

10. Strengthened Involvement of Civil Society Organisations (CSOs) : Type A and Type B

10.1. TYPE A: Support to strengthen coordination and representation of CSOs

Liberia is not reporting on GAVI TYPE A CSO support for 2012

10.2. TYPE B: Support for CSOs to help implement the GAVI HSS proposal or cMYP

Liberia is not reporting on GAVI TYPE B CSO support for 2012

11. Comments from ICC/HSCC Chairs

Please provide any comments that you may wish to bring to the attention of the monitoring IRC in the course of this review and any information you may wish to share in relation to challenges you have experienced during the year under review. These could be in addition to the approved minutes, which should be included in the attachments

12. Annexes

12.1. Annex 1 – Terms of reference ISS

TERMS OF REFERENCE:

FINANCIAL STATEMENTS FOR IMMUNISATION SERVICES SUPPORT (ISS) AND NEW VACCINE INTRODUCTION GRANTS

I. All countries that have received ISS /new vaccine introduction grants during the 2011 calendar year, or had balances of funding remaining from previously disbursed ISS/new vaccine introduction grants in 2011, are required to submit financial statements for these programmes as part of their Annual Progress Reports.

II. Financial statements should be compiled based upon countries' own national standards for accounting, thus GAVI will not provide a single template to countries with pre-determined cost categories.

III. At a minimum, GAVI requires a simple statement of income and expenditure for activity during the 2011 calendar year, to be comprised of points (a) through (f), below. A sample basic statement of income and expenditure is provided on the next page.

- a. Funds carried forward from the 2010 calendar year (opening balance as of 1 January 2011)
- b. Income received from GAVI during 2011
- c. Other income received during 2011 (interest, fees, etc)
- d. Total expenditure during the calendar year
- e. Closing balance as of 31 December 2011

f. A detailed analysis of expenditures during 2011, based on **your government's own system of economic classification**. This analysis should summarise total annual expenditure for the year by your government's own system of economic classification, and relevant cost categories, for example: wages & salaries. If possible, please report on the budget for each category at the beginning of the calendar year, actual expenditure during the calendar year, and the balance remaining for each cost category as of 31 December 2011 (referred to as the "variance").

IV. Financial statements should be compiled in local currency, with an indication of the USD exchange rate applied. Countries should provide additional explanation of how and why a particular rate of exchange has been applied, and any supplementary notes that may help the GAVI Alliance in its review of the financial statements.

V. Financial statements need not have been audited/certified prior to their submission to GAVI. However, it is understood that these statements should be subjected to scrutiny during each country's external audit for the 2011 financial year. Audits for ISS are due to the GAVI Secretariat 6 months following the close of each country's financial year.

12.2. Annex 2 – Example income & expenditure ISS

MINIMUM REQUIREMENTS FOR ISS AND VACCINE INTRODUCTION GRANT FINANCIAL STATEMENTS

<u>1</u>

An example statement of income & expenditure

| Summary of income and expenditure – GAVI ISS | | | | | |
|---|-------------------------|----------------|--|--|--|
| | Local currency (CFA) | Value in USD * | | | |
| Balance brought forward from 2010 (balance as of 31Decembre 2010) | 25,392,830 | 53,000 | | | |
| Summary of income received during 2011 | | | | | |
| Income received from GAVI | 57,493,200 | 120,000 | | | |
| Income from interest | 7,665,760 | 16,000 | | | |
| Other income (fees) | 179,666 | 375 | | | |
| Total Income | 38,987,576 | 81,375 | | | |
| Total expenditure during 2011 | 30,592,132 | 63,852 | | | |
| Balance as of 31 December 2011 (balance carried forward to 2012) | 60,139,325 | 125,523 | | | |

* Indicate the exchange rate at opening 01.01.2012, the exchange rate at closing 31.12.2012, and also indicate the exchange rate used for the conversion of local currency to US\$ in these financial statements.

| Detailed analysis of expenditure by economic classification ** – GAVI ISS | | | | | | | |
|---|---------------|---------------|---------------|---------------|--------------------|--------------------|--|
| | Budget in CFA | Budget in USD | Actual in CFA | Actual in USD | Variance in CFA | Variance in USD | |
| Salary expenditure | | | | | | | |
| Wedges & salaries | 2,000,000 | 4,174 | 0 | 0 | 2,000,000 | 4,174 | |
| Per diem payments | 9,000,000 | 18,785 | 6,150,000 | 12,836 | 2,850,000 | 5,949 | |
| Non-salary expenditure | | | | | | | |
| Training | 13,000,000 | 27,134 | 12,650,000 | 26,403 | 350,000 | 731 | |
| Fuel | 3,000,000 | 6,262 | 4,000,000 | 8,349 | -1,000,000 | -2,087 | |
| Maintenance & overheads | 2,500,000 | 5,218 | 1,000,000 | 2,087 | 1,500,000 | 3,131 | |
| Other expenditures | | | | | | | |
| Vehicles | 12,500,000 | 26,090 | 6,792,132 | 14,177 | 5,707,868 | 11,913 | |
| TOTALS FOR 2011 | 42,000,000 | 87,663 | 30,592,132 | 63,852 | 11,407,868 | 23,811 | |

** Expenditure categories are indicative and only included for demonstration purpose. Each implementing government should provide statements in accordance with its own system for economic classification.

12.3. Annex 3 – Terms of reference HSS

TERMS OF REFERENCE:

FINANCIAL STATEMENTS FOR HEALTH SYSTEMS STRENGTHENING (HSS)

I. All countries that have received HSS grants during the 2011 calendar year, or had balances of funding remaining from previously disbursed HSS grants in 2011, are required to submit financial statements for these programmes as part of their Annual Progress Reports.

II. Financial statements should be compiled based upon countries' own national standards for accounting, thus GAVI will not provide a single template to countries with pre-determined cost categories.

III. At a minimum, GAVI requires a simple statement of income and expenditure for activity during the 2011 calendar year, to be comprised of points (a) through (f), below. A sample basic statement of income and expenditure is provided on the next page.

a. Funds carried forward from the 2010 calendar year (opening balance as of 1 January 2011)

- b. Income received from GAVI during 2011
- c. Other income received during 2011 (interest, fees, etc)
- d. Total expenditure during the calendar year
- e. Closing balance as of 31 December 2011

f. A detailed analysis of expenditures during 2011, based on your government's own system of economic classification. This analysis should summarise total annual expenditure for each HSS objective and activity, per your government's originally approved HSS proposal, with further breakdown by cost category (for example: wages & salaries). Cost categories used should be based upon your government's own system for economic classification. Please report the budget for each objective, activity and cost category at the beginning of the calendar year, the actual expenditure during the calendar year, and the balance remaining for each objective, activity and cost category as of 31 December 2011 (referred to as the "variance").

IV. Financial statements should be compiled in local currency, with an indication of the USD exchange rate applied. Countries should provide additional explanation of how and why a particular rate of exchange has been applied, and any supplementary notes that may help the GAVI Alliance in its review of the financial statements.

V. Financial statements need not have been audited/certified prior to their submission to GAVI. However, it is understood that these statements should be subjected to scrutiny during each country's external audit for the 2011 financial year. Audits for HSS are due to the GAVI Secretariat 6 months following the close of each country's financial year.

12.4. Annex 4 – Example income & expenditure HSS

MINIMUM REQUIREMENTS FOR HSS FINANCIAL STATEMENTS:

An example statement of income & expenditure

| Summary of income and expenditure – GAVI HSS | | | | | |
|---|-------------------------|----------------|--|--|--|
| | Local currency (CFA) | Value in USD * | | | |
| Balance brought forward from 2010 (balance as of 31Decembre 2010) | 25,392,830 | 53,000 | | | |
| Summary of income received during 2011 | | | | | |
| Income received from GAV | 57,493,200 | 120,000 | | | |
| Income from interest | 7,665,760 | 16,000 | | | |
| Other income (fees) | 179,666 | 375 | | | |
| Total Income | 38,987,576 | 81,375 | | | |
| Total expenditure during 2011 | 30,592,132 | 63,852 | | | |
| Balance as of 31 December 2011 (balance carried forward to 2012) | 60,139,325 | 125,523 | | | |

* Indicate the exchange rate at opening 01.01.2012, the exchange rate at closing 31.12.2012, and also indicate the exchange rate used for the conversion of local currency to US\$ in these financial statements.

| Detailed analysis of expenditure by economic classification ** - GAVI HSS | | | | | | | |
|---|---|--------|---------------|--------------------|--------------------|--------|--|
| | Budget in CFA Budget in USD Actual in CFA | | Actual in USD | Variance in CFA | Variance in USD | | |
| Salary expenditure | | | | | | | |
| Wedges & salaries | 2,000,000 | 4,174 | 0 | 0 | 2,000,000 | 4,174 | |
| Per diem payments | 9,000,000 | 18,785 | 6,150,000 | 12,836 | 2,850,000 | 5,949 | |
| Non-salary expenditure | | | | | | | |
| Training | 13,000,000 | 27,134 | 12,650,000 | 26,403 | 350,000 | 731 | |
| Fuel | 3,000,000 | 6,262 | 4,000,000 | 8,349 | -1,000,000 | -2,087 | |
| Maintenance & overheads | 2,500,000 | 5,218 | 1,000,000 | 2,087 | 1,500,000 | 3,131 | |
| Other expenditures | | | | | | | |
| Vehicles | 12,500,000 | 26,090 | 6,792,132 | 14,177 | 5,707,868 | 11,913 | |
| TOTALS FOR 2011 | 42,000,000 | 87,663 | 30,592,132 | 63,852 | 11,407,868 | 23,811 | |

** Expenditure categories are indicative and only included for demonstration purpose. Each implementing government should provide statements in accordance with its own system for economic classification.

12.5. Annex 5 – Terms of reference CSO

TERMS OF REFERENCE:

FINANCIAL STATEMENTS FOR CIVIL SOCIETY ORGANISATION (CSO) TYPE B

I. All countries that have received CSO 'Type B' grants during the 2011 calendar year, or had balances of funding remaining from previously disbursed CSO 'Type B' grants in 2011, are required to submit financial statements for these programmes as part of their Annual Progress Reports.

II. Financial statements should be compiled based upon countries' own national standards for accounting, thus GAVI will not provide a single template to countries with pre-determined cost categories.

III. At a minimum, GAVI requires a simple statement of income and expenditure for activity during the 2011 calendar year, to be comprised of points (a) through (f), below. A sample basic statement of income and expenditure is provided on page 3 of this annex.

- a. Funds carried forward from the 2010 calendar year (opening balance as of 1 January 2011)
- b. Income received from GAVI during 2011
- c. Other income received during 2011 (interest, fees, etc)
- d. Total expenditure during the calendar year
- e. Closing balance as of 31 December 2011

f. A detailed analysis of expenditures during 2011, based on your government's own system of economic classification. This analysis should summarise total annual expenditure by each civil society partner, per your government's originally approved CSO 'Type B' proposal, with further breakdown by cost category (for example: wages & salaries). Cost categories used should be based upon your government's own system for economic classification. Please report the budget for each objective, activity and cost category at the beginning of the calendar year, the actual expenditure during the calendar year, and the balance remaining for each objective, activity and cost category as of 31 December 2011 (referred to as the "variance").

IV. Financial statements should be compiled in local currency, with an indication of the USD exchange rate applied. Countries should provide additional explanation of how and why a particular rate of exchange has been applied, and any supplementary notes that may help the GAVI Alliance in its review of the financial statements.

V. Financial statements need not have been audited/certified prior to their submission to GAVI. However, it is understood that these statements should be subjected to scrutiny during each country's external audit for the 2011 financial year. Audits for CSO 'Type B' are due to the GAVI Secretariat 6 months following the close of each country's financial year.

12.6. Annex 6 – Example income & expenditure CSO

MINIMUM REQUIREMENTS FOR CSO 'Type B' FINANCIAL STATEMENTS

An example statement of income & expenditure

| Summary of income and expenditure – GAVI CSO | | | | | |
|---|-------------------------|----------------|--|--|--|
| | Local currency (CFA) | Value in USD * | | | |
| Balance brought forward from 2010 (balance as of 31Decembre 2010) | 25,392,830 | 53,000 | | | |
| Summary of income received during 2011 | | | | | |
| Income received from GAVI | 57,493,200 | 120,000 | | | |
| Income from interest | 7,665,760 | 16,000 | | | |
| Other income (fees) | 179,666 | 375 | | | |
| Total Income | 38,987,576 | 81,375 | | | |
| Total expenditure during 2011 | 30,592,132 | 63,852 | | | |
| Balance as of 31 December 2011 (balance carried forward to 2012) | 60,139,325 | 125,523 | | | |

* Indicate the exchange rate at opening 01.01.2012, the exchange rate at closing 31.12.2012, and also indicate the exchange rate used for the conversion of local currency to US\$ in these financial statements.

| Detailed analysis of expenditure by economic classification ** - GAVI CSO | | | | | | | |
|---|--|--------|---------------|---------------|--------------------|--------------------|--|
| | Budget in CFA Budget in USD Actual in Cl | | Actual in CFA | Actual in USD | Variance in CFA | Variance in USD | |
| Salary expenditure | | | | | | | |
| Wedges & salaries | 2,000,000 | 4,174 | 0 | 0 | 2,000,000 | 4,174 | |
| Per diem payments | 9,000,000 | 18,785 | 6,150,000 | 12,836 | 2,850,000 | 5,949 | |
| Non-salary expenditure | | | | | | | |
| Training | 13,000,000 | 27,134 | 12,650,000 | 26,403 | 350,000 | 731 | |
| Fuel | 3,000,000 | 6,262 | 4,000,000 | 8,349 | -1,000,000 | -2,087 | |
| Maintenance & overheads | 2,500,000 | 5,218 | 1,000,000 | 2,087 | 1,500,000 | 3,131 | |
| Other expenditures | | | | | | | |
| Vehicles | 12,500,000 | 26,090 | 6,792,132 | 14,177 | 5,707,868 | 11,913 | |
| TOTALS FOR 2011 | 42,000,000 | 87,663 | 30,592,132 | 63,852 | 11,407,868 | 23,811 | |

** Expenditure categories are indicative and only included for demonstration purpose. Each implementing government should provide statements in accordance with its own system for economic classification.

13. Attachments

| Document Number | Document | Section | Mandatory | File |
|--------------------|---|---------|-----------------------|--|
| | | | | MOH & MOF Signatures.jpg |
| 1 | Signature of Minister of Health (or delegated authority) | 2.1 | ✓ | File desc: File description |
| | delegated autionty) | | | Date/time: 5/21/2012 7:21:09 AM |
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| | | | | MOH & MOF Signatures.jpg |
| 2 | Signature of Minister of Finance (or delegated authority) | 2.1 | ✓ | File desc: File description |
| | | | | Date/time: 5/21/2012 7:21:09 AM |
| | | | | Size: 595585 |
| | | | | APR-ICC Signatures.jpg |
| 3 | Signatures of members of ICC | 2.2 | ✓ | File desc: File description |
| | | | | Date/time: 5/21/2012 7:21:09 AM |
| | | | | Size: 642125 |
| | | | | HSCC Signatures.jpg |
| 4 | Signatures of members of HSCC | 2.3 | × | File desc: File description |
| | | | | Date/time: 5/21/2012 7:21:09 AM |
| | | | | Size: 687342 |
| | | | | ICC MEETING Minutes May & June 2011.doc |
| 5 | Minutes of ICC meetings in 2011 | 2.2 | ✓ | File desc: File description |
| | | | | Date/time: 5/21/2012 7:32:44 AM |
| | | | | Size: 69632 |
| | | | | Letter of Hon Monister to ICC and HSCC members.pdf |
| 6 | Minutes of ICC meeting in 2012 endorsing APR 2011 | 2.2 | ✓ | File desc: File description |
| | | | | Date/time: 5/21/2012 8:41:57 AM |
| | | | | Size: 335382 |
| | | | | GAVI Proposal HSS Minutes.pdf |
| 7 | Minutes of HSCC meetings in 2011 | 2.3 | × | File desc: File description |
| | | | | Date/time: 4/3/2012 8:57:25 AM |
| | | | | Size: 198354 |
| | | | | Letter of Hon Monister to ICC and HSCC members.pdf |
| 8 | Minutes of HSCC meeting in 2012 endorsing APR 2011 | 9.9.3 | × | File desc: File description |
| | | | | Date/time: 5/21/2012 8:43:16 AM |
| | | | | Size: 335382 |
| | | | | GAVI HSS 2011.pdf |
| 9 | Financial Statement for HSS grant APR 2011 | 9.1.3 | × | File desc: File description |
| | | | | Date/time: 5/21/2012 9:00:55 AM |
| | | | | Size: 108677 |
| | | | | cMYP_Liberia July 22, Final.pdf |
| 10 | new cMYP APR 2011 | 7.7 | ✓ | File desc: File description |

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| | | | | Size: 1242429 Copy of LIBERIA_cMYP_Costing_Tool_Vs 2.5_En.xls |
| 11 | new cMYP costing tool APR 2011 | 7.8 | V | File desc: File description |
| | | | - | Date/time: 3/28/2012 7:29:10 AM |
| | | | | Size: 3526144 |
| | | | | GAVI ISS 2011.pdf |
| | Financial Statement for ISS grant APR | | × | |
| 13 | 2011 | 6.2.1 | | File desc: File description |
| | | | | Date/time: 5/21/2012 9:02:11 AM |
| | | | | Size: 105646 |
| | | | | GAVI ISS_April_2012.pdf |
| 14 | Financial Statement for NVS introduction grant in 2011 APR 2011 | 7.3.1 | V | File desc: File description |
| | 5 | | | Date/time: 5/22/2012 3:10:41 PM |
| | | | | Size: 3073763 |
| | | | | Liberia_EVM_Report_D3-02072011.pdf |
| 15 | EVSM/VMA/EVM report APR 2011 | 7.5 | Image: A second s | File desc: File description |
| | | | | Date/time: 3/28/2012 7:34:49 AM |
| | | | | Size: 3504365 |
| | | | | National EVM-Improvement-Plan-Liberia-D1- April-26-2011.xls |
| 16 | EVSM/VMA/EVM improvement plan APR | 7.5 | Image: A second s | File desc: File description |
| 10 | 2011 | 7.5 | | |
| | | | | Date/time: 3/28/2012 7:49:56 AM |
| | | | | Size: 203776 |
| | | | | Summary actions taken on EVM improvement plan.docx |
| 17 | EVSM/VMA/EVM improvement | 7 5 | Image: A second s | |
| 17 | implementation status APR 2011 | 7.5 | | File desc: File description |
| | | | | Date/time: 5/21/2012 8:34:20 AM |
| | | | | Size: 15626 |
| | | | | GAVI AUDIT TECHNICAL PROPOSAL EVALUATION CRITERIA.pdf |
| 10 | External Audit Report (Fiscal Year 2011) | | × | |
| 19 | for ISS grant | 6.2.3 | | File desc: File description |
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| | | | | Size: 24235 |
| | | | | Liberia_EVM_Report_D3-02072011.pdf |
| 20 | Post Introduction Evaluation Report | 7.2.2 | ✓ | File desc: File description |
| | | | | Date/time: 5/22/2012 3:09:09 PM |
| | | | | Size: 3504365 |
| | | | _ | ICC MEETING June18, 2011.pdf |
| 21 | Minutes ICC meeting endorsing extension of vaccine support | 7.8 | ✓ | File desc: File description |
| | extension of vaccine support | | | Date/time: 5/22/2012 3:11:24 PM |
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| | | | | GAVI pre Audit Conference Minutes_2.pdf |
| | External Audit Report (Fiscal Year 2011) | | × | |
| 22 | for HSS grant | 9.1.3 | | File desc: File description |
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| | | | | Size: 35627 |
| | | | 2.6 | Liberia_2011 Health Sector Review Report 5Aug2011.pdf |
| 23 | HSS Health Sector review report | 9.9.3 | X | File desc: File description |
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