

Report to the GAVI Alliance Board

16-17 November 2011

Subject:	Updated long term financial forecast
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Agenda item:	05
Category:	For Guidance/Discussion
Strategic goal:	Alliance operations

## Section A: Overview

## 1. Purpose of the report

1.1 This paper informs the Board of the updated GAVI financial forecast for 2011-2016 (Version 4.0Fb).

## 2. Recommendations

2.1 For information only.

## 3. Executive summary

- 3.1 The updated GAVI financial forecast incorporates the latest demand estimates and funding decisions taken to date<sup>1</sup>. The level of resources reflects the results of the 13 June 2011 Pledging Conference and subsequent follow-up with donors, and foreign exchange rates at 30 September 2011.
- 3.2 The financial forecast has been extended through 2016 to provide visibility through the next five calendar years, which is required by the Programme Funding Policy for the endorsement and approval of new programmes in 2011.
- 3.3 **Expenditure of US\$ 9.3 billion** is forecast for 2011-2016. This includes US\$ 7.7 billion for the period 2011-2015, which is larger than the February 2011 estimate of US\$ 6.8 billion (for 2011-2015) mainly because of the magnitude of demand from the new proposals recommended by the IRC in July 2011. The total of US\$ 9.3 billion comprises:

<sup>&</sup>lt;sup>1</sup> Including the funding decisions that the Executive Committee will consider for approval in November 2011.



- (a) US\$ 5.4 billion for existing programmes and their extension through 2016. This includes provision for the opening of the envisaged new vaccine windows<sup>2</sup>, but not for any other new vaccines.
- (b) US\$ 1 billion for Business Plan costs in 2011-2016.
- (c) US\$ 2.9 billion for projected demand from new programmes through 2016 (to be considered for approval in the future).
- 3.4 **Qualifying Resources** amount to **US\$ 9.1 billion** for 2011-2016. This includes an allowance for further contributions from new and existing donors who have not yet pledged for all of those years (in accordance with the Programme Funding Policy). Resources as currently forecast are 3% less than the US\$ 9.4 billion per the previous forecast (provided to the Executive Committee in September), due mainly to movements in exchange rates since the London Pledging Conference<sup>3</sup>. As and when donors confirm the amount and timing of each contribution tranche, non-US dollar amounts will be hedged where feasible to eliminate subsequent fluctuations in their US dollar equivalent amounts.

## 4. Context

4.1 See sections C, D and E.

## 5. Next steps

5.1 An updated financial forecast will be provided to the next meetings of the Executive Committee and the Board.

## 6. Conclusions

6.1 With Qualifying Resources of US\$ 9.1 billion, expenditure through 2016 for all existing programmes and Business Plan activities estimated at US\$ 6.4 billion is fully covered. Based on current estimates, demand from new programmes to be considered for approval in the future is forecast at US\$ 2.9 billion through 2016; this would require additional resources of US\$ 0.3 billion<sup>4</sup> for 2016.

<sup>&</sup>lt;sup>2</sup> New vaccine windows: for Measles-Rubella, Human Papillomavirus (HPV), Japanese Encephalitis and, from 2018, Typhoid. Subject to adjustment based on PPC recommendations.

<sup>&</sup>lt;sup>3</sup> Qualifying Resources in this forecast include the US dollar equivalent values of pledges in other currencies based on the foreign exchange rates of 30 September 2011. Previous forecasts were based on the 10 June 2011 exchange rates used for the London Pledging Conference.

<sup>&</sup>lt;sup>4</sup> US\$ 279 million, rounded to US\$ 0.3 billion.



## **Section B: Implications**

#### 7. Impact on countries

7.1 The new visibility on resource availability through 2016 will enable countries to advance their immunisation plans with greater confidence.

## 8. Impact on the Business Plan / Budget / Programme Financing

8.1 The forecast indicates GAVI's programme funding capacity through 2016.

## 9. Risk implications and mitigations

9.1 See Section C.

## 10. Legal implications

10.1 None

#### 11. Consultation

- 11.1 The Strategic Demand forecast is produced by the AVI Team with the demand forecasts for Pneumococcal, Rotavirus and Pentavalent vaccines being reviewed and endorsed by the AVI Management Team.
- 11.2 The expenditure estimates within the forecast have been reviewed by the Audit and Finance Committee on the 28 October 2011 and the Executive Committee on the 15 November 2011.

#### 12. Gender equality implications

12.1 None

## 13. Implications for the Secretariat

- 13.1 The additional new programmes will increase Secretariat activity.
- **Note**: In tables throughout this paper that include rounded numbers, the constituent numbers may not sum to the total because of rounding.



## Section C: Country demand in 2011-2016

#### 14. Expenditure estimate

- 14.1 Country demand<sup>5</sup> for GAVI support and associated costs is currently estimated to require cash outflows of **US\$ 9.3 billion** in the period 2011-2016, as summarised in Figure 1. Of this:
  - (a) US\$ 8.3 billion is for direct programmatic support through GAVI's vaccine and cash-based programmes (see 14.2);
  - (b) US\$ 1.0 billion is estimated for Business Plan costs over the six years, for programme implementation and mission support activities by GAVI partners and the Secretariat. The annual amounts are subject to approval by the Board each year.

Cash flow basis	Progra	sting ammes ep 2011	New Programmes endorsed by EC on 26 Sep 2011		New Programmes considered by EC on 15 Nov 2011		Estimate for future demand from New Programmes					Total	
US\$ million	Endorsed	Prov. for Extensions	Endorsed	Prov. for Extensions	New Requests	Prov. For Extensions	Conditional Approval	Prov. for Extensions	Balance of Demand				
Programmes:													
Penta	1,341	363	150	47			23	13	81	2,018	24%		
Pneumo	1,257	363	663	160			506	134	418	3,501	42%		
Rota	67	14	215	73			56	15	218	658	8%		
Other vaccines	198	15	47	12			-	-	653	925	11%		
Total Vaccine Programmes	2,863	754	1,076	292	-	-	584	162	1,370	7,101	85%		
Cash-based Programmes	368	2	24	-	24		7	-	788	1,213	15%		
Total Programmes	3,231	756	1,099	292	24		592	162	2,158	8,314	100%		
Business Plan	302	721	-	-	-	-	-	-	-	1,022			
Total Expenditure	3,533	1,477	1,099	292	24	-	592	162	2,158	9,336			
	\$5.	0 bn	\$1.	4 bn	\$0.0	)2 bn		\$2.9 bn		\$9.3 bn			
		Existing:	\$6.	4 bn			New:	\$2.9 bn			-		

## Figure 1: Summary of Expenditure 2011-2016

## 14.2 Of the **US\$ 9.3 billion** expenditure forecast for 2011-2016:

- a) US\$ 6.4 billion is for existing programmes that have already been endorsed by the Board or the Executive Committee, including a provision for their extension through 2016, and for Business Plan activities through 2016.
- b) US\$ 24 million is for the new Health Systems Strengthening programmes recommended for approval by the Health Systems Funding Platform IRC in September 2011 which will be considered by the Executive Committee in November 2011.
- c) US\$ 2.9 billion is for future demand through 2016 from potential new programmes. This includes US\$ 0.6 billion for proposals that have been

<sup>&</sup>lt;sup>5</sup> Country demand based on the Adjusted Strategic Demand Forecast version 4.0, issued in August 2011. Annex 1 provides a summary of GAVI's forecast estimation methodology.



conditionally recommended for approval by the New Proposals IRC, pending further IRC review early in 2012.

## 15. Demand has increased

- 15.1 The current estimates are based on the latest Adjusted Strategic Demand Forecast (version 4.0), issued in Quarter 3 of 2011. The forecast reflects the new proposals recommended by the IRC in June 2011(with expenditure of US\$ 1.2 billion through 2015) and all other funding decisions made through September 2011, as well as those for consideration by the EC in November 2011.
- 15.2 As predicted in the July update to the Board, demand is greater than the previous forecast which was based on the February 2011 (version 3.0) of the Strategic Demand Forecast. This is mainly due to the high level of demand sought through the new proposals recommended for approval by the IRC in July 2011 and approved by the Executive Committee in September 2011. Those proposals reflect a faster vaccine uptake by introducing countries in the first year of implementation than previously forecast, accelerated timelines for introduction and the possibility for a country to introduce more than one vaccine in a given calendar year. Provision is also made for increased business plan expenses.
- 15.3 While the volume of demand has increased, reductions in vaccine prices have partially offset the cost to GAVI of meeting a higher level of demand. The overall expenditure forecast for 2011-2015 has increased by US\$ 851 million, compared to the July forecast, as illustrated below (with further details in Annex 2).

Expenditure			2011-	2016	2011-		
							2016
Cash flow basis	US\$ millions	July	Change in	New	Oct		
		2011	estimates	Proposals	2011		
Existing Programr	nes	3,730	(154)	1,185	4,761	641	5,402
Business Plan		689	157		846	177	1,022
		4,418	3	1,185	5,606	818	6,424
Future Programm	es	2,413	848	(1,185)	2,076	836	2,912
Total Outflows		6,832	851	0	7,682	1,654	9,336

15.4 The expenditure forecast includes provision for the opening of the envisaged new vaccine windows for Measles-Rubella, Human Papillomavirus, Japanese Encephalitis (and Typhoid, from 2018, reflected in Section 18), but not for any other new vaccines. Introduction of additional vaccines would further increase demand and expenditure. The estimates are based on current GAVI eligibility and graduation rules; any future modifications to these rules could have a significant impact on expenditures.



15.5 Reviews by the Monitoring IRC have historically resulted in the reduction of endorsed programme budgets in light of actual implementation progress; if this continued to be the case, expenditure could be less than currently estimated. The forecast assumes the absence of supply constraints which, if they occurred, would also reduce the expenditure estimate.

## Section D: Resources to meet the demand in 2011-2016

#### 16. Resources available

16.1 Assured resources for 2011-2016 amount to US\$ 7.9 billion. This includes confirmed direct contributions received or to be received through 2016, proceeds expected from IFFIm and AMC based on existing pledges, and a drawdown of the cash and reserve balance to US\$ 1.1 billion by the end of 2016<sup>6</sup>. The addition of an allowance<sup>7</sup> of US\$ 1.15 billion, for further direct contributions from new and existing donors who have not yet pledged for all of those years, brings Qualifying Resources to **US\$ 9.1 billion** for 2011-16.

Resources Available	ι	JS\$ millions	2011-16	
	<u> </u>			l
Direct contributions co	onfirmed		4,905	
IFFIm proceeds throug	h GFA		1,580	
AMC contributions:	on Existing Programm	es 1,024		
	on Future Programme	s <u>139</u>	1,163	
Investment income			145	
Total inflows			7,792	\$7.8 bn
Drawdown of cash & ir	ivestments		117	\$0.1 bn
Assured Resources			7,910	\$7.9 bn
Allowance for further of	1,148	\$1.1 bn		
Qualifying Resources			9,057	\$9.1 bn

#### Figure 2: Resources Available

16.2 <u>2011-2015</u>: The current value of assured resources 2011-2015 at US\$ 7.7 billion is US\$ 0.2 billion less than previously forecast (per version 4.0Fa). This reflects a reduction of US\$ 0.2 billion arising from the devaluation of various direct contribution currencies relative to the US dollar between the London Pledging Conference and 30 September 2011. The reduced valuation of direct

<sup>&</sup>lt;sup>6</sup> A cash and investments balance of US\$ 1.1 billion would provide an eight-month reserve (as is required by the Programme Funding Policy) for an annual expenditure level of US\$ 1.6 billion.

<sup>&</sup>lt;sup>7</sup> This conservative allowance, required by the Programme Funding Policy, is based on the annual average of total direct contributions currently confirmed for the three years 2012-2014, which amounts to US\$ 1.1 billion per year. The allowance is included in the financial forecast by assuming that in years where currently confirmed direct contributions total less than US\$ 1.1 billion for the year, further contributions will bring the total to that level. The Secretariat expects that this level will be exceeded.



contributions also lowers the value of the "allowance for further direct contributions" by US\$ 0.1 billion. These decreases are offset by an increase of US\$ 0.1 billion in AMC contributions, such that Qualifying Resources for 2011-2015 are now estimated at US \$7.7 billion instead of US\$ 7.9 billion in July 2011. A comparison of the resource amounts per the financial forecasts is provided below, with further details in Annex 3.

Resources		2011-	2016	2011- 2016		
Cash flow basis US\$ millions	July	Change in	New	Oct		
	2011	estimates	confirmed	2011		
Direct contributions - confirmed	4,964	(175) a	90	4,879	25	4,905
Direct contributions - allowance	300	(108) b	(90)	102	1,046	1,148
IFFIm proceeds	1,480			1,480	100	1,580
AMC contributions	880	96 c		976	186	1,163
Cash Drawdown & Invest. Income	275	(15)		260	2	262
Total Inflows	7,899	(202)	0	7,697	1,360	9,057

Notes:

a & b: Impact of exchange rate fluctuations: a reduction US\$ 0.3 billion is reflected in the October forecast.

c: An additional US\$ 0.1 billion for AMC contributions arising from increased demand for pneumococcal vaccine was reflected in the September EC forecast.

## 17. Capacity to meet projected demand

- 17.1 Figure 3 below provides an overview of the resources and expenditure estimates, distinguishing between existing programmes and the demand through 2016 expected from potential new programmes in the future.
- 17.2 The expenditure cash flows forecast for 2011-2016 amount to US\$ 9.3 billion. As explained in section 14.2:
  - (a) US\$ 6.4 billion of this amount is for existing programmes including the extension of these programmes through 2016; and
  - (b) US\$ 2.9 billion is for expected demand from future programmes.
- 17.3 As illustrated in Figures 3 and 4, in addition to maintaining a cash and investments reserve of US\$ 1.1 billion:
  - (a) Expenditure through 2016 for all existing programmes (i.e. all expenditures other than for future programmes) is fully covered by Qualifying Resources through 2013 (i.e. through the next two calendar years) and also through 2016 (as is required by the Programme Funding Policy).
  - (b) Additional resources of US\$ 279 million would be needed to fully meet the current estimate demand of from future programmes through 2016. This 2016 shortfall would need to be eliminated prior to approval of new programmes in 2014, so that no shortfall arose through the following two calendar years, as is required by the Programme Funding Policy.



(c) The cash and investments reserve of US\$ 1.1 billion provides a cushion for adverse fluctuations in resources and expenditures.

#### Figure 3: Summary of Resources and Expenditures 2011-2016

Cash flow basis US\$ million		2011	2012	2013	2014	2015	2011-15	2016	2011-16	
<b>0</b>	-			L		U				
Overview: Resources Available		1,310	1,423	1,963	1,519	1,483	7,697	1,360	9,057	\$9.1
Expenditures (cash outflows)		997	1,650	1,860	1,515	1,485	7,682	1,654	9,336	\$9.3
Available for additional demand	- in year	312	(226)	1,000	2	(177)	15	(294)	(279)	
Split between existing and future	programme	<u>'s:</u>								
Resources Available - for Exist	ing Progran	nmes								
Direct contributions confirmed		695	942	1,121	1,151	970	4,879	25	4,905	
IFFIm proceeds through GFA		300	300	300	300	280	1,480	100	1,580	
AMC contributions (for existing p	rogs.)	147	296	289	131	68	929	94	1,024	
Investment income		30	25	25	25	20	125	20	145	
Total inflows		1,171	1,563	1,735	1,607	1,338	7,414	240	7,653	\$7.7
Drawdown of cash & investments	5	138	(140)	229	(95)	4	135	(18)	117	\$0.1
Assured Resources		1,310	1,423	1,963	1,512	1,341	7,549	222	7,771	\$7.8
Conservative allowance for		· · ·			· · · · ·	102	102	1.046	1 1 4 0	\$1.1
further direct contributions		-	-	-	-	102	102	1,046	1,148	Ş1.1
A Qualifying Resources		1,310	1,423	1,963	1,512	1,443	7,651	1,268	8,918	\$8.9
Expenditures (cash outflows) -		s Flugiai	iiiies							
B Existing Programmes (& Business	Plan)	997	1,444	1,283	925	957	5,606	818	6,424	\$6.4
	,						,		,	\$6.4
C Available for additional demand	- in year	313	(21)	680	586	486	5,606 2,044	450	6,424 2,494	\$6.4
	- in year						,		,	\$6.4
C Available for additional demand - Available for additional demand -	- in year -cumulative	313 313	(21)	680 972 企	586	486	2,044	450 <b>2,494</b>	,	\$6.4
C Available for additional demand	- in year -cumulative	313 313	(21)	680 972 企	586	486	,	450 <b>2,494</b>	,	\$6.4
C Available for additional demand - Available for additional demand -	- in year -cumulative	313 313	(21) 292	680 972 企	586	486	2,044	450 <b>2,494</b>	,	\$6.4
C Available for additional demand - Available for additional demand - Prior to Future Programm	- in year -cumulative nes	313 313	(21) 292	680 972 企	586	486	2,044	450 <b>2,494</b>	,	[
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C Available for additional demand - Available for additional demand - Prior to Future Programm Future Programmes Future Programmes (balance of d	- in year -cumulative hes lemand)	313 313 • <u>Sur</u>	(21) 292 plus throu	680 972 1 gh 2013	586 1,558 591	486 2,044 703	2,044 Surplus thr 2,076	450 <b>2,494</b> <u>ough 2016</u> 836	<b>2,494</b> 2,912	\$2.9
C Available for additional demand - Available for additional demand - Prior to Future Programm Future Programmes Future Programmes (balance of d Related AMC contributions	- in year -cumulative hes lemand)	313 313 • <u>Sur</u> 0	(21) 292 <b>plus throu</b> 205	680 972 2 gh 2013 576	586 1,558 591 7	486 2,044 703 40	<b>2,044</b> Surplus thr 2,076 47	450 <b>2,494</b> and 2016 836 92	<b>2,494</b> 2,912 139	\$2.9
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C Available for additional demand - Available for additional demand - Prior to Future Programm Future Programmes Future Programmes (balance of d Related AMC contributions D Future Programmes net of AMC in	- in year -cumulative nes lemand) ncome	313 313 > <u>Sur</u> 0 - 0	(21) 292 plus throu 205 - 205	680 972 ah 2013 576 576	586 1,558 591 7 <b>584</b>	486 2,044 703 40 <b>663</b>	2,044 Surplus thr 2,076 47 2,029 \$2.0 bn	450 2,494 600000000000000000000000000000000000	2,494 2,912 139 2,773 \$2.8 bn	\$2.9 \$0.1
C Available for additional demand - Available for additional demand - Prior to Future Programm Future Programmes Future Programmes (balance of d Related AMC contributions D Future Programmes net of AMC in E Available for additional demand -	- in year -cumulative nes lemand) ncome	313 313 > <u>Sur</u> 0 - 0 312	(21) 292 plus throu 205 - 205 (226)	680 972 21 21 21 276 576 576 576	586 1,558 591 7 584 2	486 2,044 703 40 <b>663</b> (177)	2,044 Surplus thr 2,076 47 2,029 \$2.0 bn	450 2,494 600000000000000000000000000000000000	2,494 2,912 139 2,773 \$2.8 bn	\$2.9 \$0.1
C Available for additional demand - Available for additional demand - Prior to Future Programm Future Programmes Future Programmes (balance of d Related AMC contributions D Future Programmes net of AMC in E Available for additional demand -	- in year -cumulative nes lemand) ncome	313 313 0 <u>Sur</u> 0 - 0 312 312	(21) 292 <b>plus throu</b> 205 - <b>205</b> (226) 86	680 972 ah 2013 576 576 104 190	586 1,558 591 7 584 2 192	486 2,044 703 40 <b>663</b> (177) 15	2,044 Surplus thr 2,076 47 2,029 \$2.0 bn	450 2,494 cough 2016 836 92 744 744 (294) (279) C	2,494 2,912 139 2,773 \$2.8 bn	\$2.9 \$0.1
C Available for additional demand - Available for additional demand - Prior to Future Programm Future Programmes Future Programmes (balance of d Related AMC contributions D Future Programmes net of AMC in E Available for additional demand -	- in year -cumulative nes lemand) ncome	313 313 0 <u>Sur</u> 0 - 0 312 312	(21) 292 <b>plus throu</b> 205 - <b>205</b> (226) 86	680 972 ah 2013 576 576 104 190	586 1,558 591 7 584 2 192	486 2,044 703 40 <b>663</b> (177) 15	2,044 Surplus thr 2,076 47 2,029 \$2.0 bn 5,622	450 2,494 cough 2016 836 92 744 744 (294) (279) C	2,494 2,912 139 2,773 \$2.8 bn	\$2.9 \$0.1

- 17.4 <u>Sensitivity to changes in direct contributions</u>: The resources forecast for 2011-2016 include Direct Contributions in the amount of US\$ 6.05 billion (comprised of US\$ 4.9 billion already confirmed and an allowance of US\$ 1.15 billion for contributions yet to be confirmed). If actual contributions through 2016 were less than forecast, then for each 10% reduction on the overall amount, resources would be reduced by US\$ 0.6 billion. The cash reserve of US\$1.1 billion serves as a cushion to mitigate this risk.
- 17.5 Furthermore, a surplus of US\$ 2.5 billion is forecast prior to any future programme approvals. Future programmes would be considered for approval in the future in light of resource availability at that time.



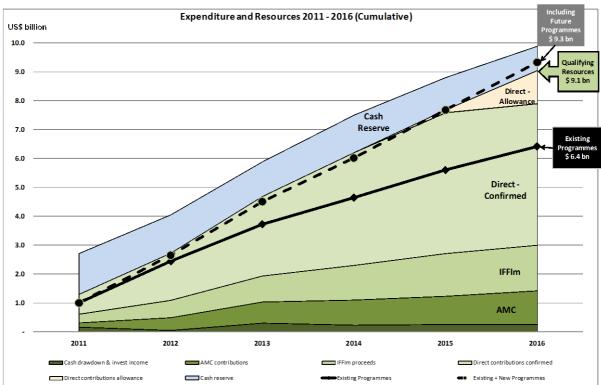


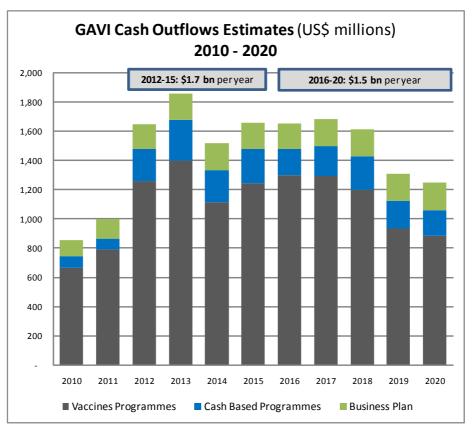
Figure 4: Overview of Resources and Expenditure 2011-2016

## Section E: Outlook through 2020

#### 18. Tentative estimates of demand and resources

- 18.1 Tentative estimates of demand through 2020 (see Figure 5) indicate projected outflows at an average of approximately US\$ 1.5 billion per year in 2016-2020. The reduction relative to the average expenditure of US\$ 1.7 billion per year forecast for 2012-2015 is due to factors such as countries graduating from eligibility for GAVI support, the acceleration of introductions into the period 2011- 2016 and the lower cost to GAVI as pneumococcal vaccine declines towards the 'tail price'.
- 18.2 These estimates include provision for the opening of the envisaged new vaccine windows for Measles-Rubella, Human Papillomavirus, Japanese Encephalitis and Typhoid, but not for any other new vaccines. The estimates are based on current GAVI eligibility and graduation rules; any future modifications to these rules could have a significant impact on expenditures.





## Figure 5: Tentative estimates of demand through 2020

- 18.3 Assured resources from existing pledges to IFFIm and AMC and investment income would provide inflows of US\$ 0.2 billion per year in 2016-2020. If direct contributions were maintained at their 2012-2015 level of US\$ 1.1 billion per year, then in addition to that amount, further inflows of approximately US\$ 0.2 billion per year would be needed to fund annual outflows of US\$1.5 billion in 2016-2020.
- 18.4 As indicated at 17.3(b), additional resources of US\$ 0.3 billion (beyond the 2012-2014 level) are also needed for 2016, based on current estimates.

# Annex 1: Forecast estimation methodology

## Cash Outflows

#### Programmatic Expenditures

#### **Vaccines**

For Country Programme expenditures there are three main drivers of the expenditure estimates, demand, supply and prices.

- Demand
  - The forecasted demand used for the latest financial estimates are taken from the Adjusted Strategic Demand Forecast ("ASDF") Version 4.0 updated to reflect the recommendations of the 2011 IRCs for all vaccines. Demand is reflected by "programmatic year" i.e. the year in which the vaccine is available for use in the recipient country.
  - India: Whilst for pentavalent vaccine the demand forecast provides for a roll-out of Penta to five States during the period 2012-18, the financial forecast continues to reflect the original board approved \$165 million commitment. For Pneumococcal vaccine, the forecast assumes that India will not introduce this vaccine before 2016.
- Supply
  - No supply constraints are assumed in the latest dose assumptions.
- Prices
  - Prices are estimated based on best available information. Added to these are assumptions for the costs of freight, safety boxes and syringes.

#### Investment Cases

- Yellow Fever
  - Included in these costs are estimates for vaccine stockpile, "Outbreak response" and Preventative; costs as well as operational support costs provided by WHO and UNICEF to the extent not covered in the Business Plan.
  - Estimated costs for country specific programmes have been presented separately as part of the Country Programmes section, under Yellow Fever. For 2011-13, US\$ 26.4 million for vaccine stockpile costs has been included under "Approved and Endorsed"
- Meningitis
  - Included in these costs are estimates for vaccine stockpile, "Outbreak response and Preventative
  - Estimated costs for country specific programmes have been presented separately as part of the Country Programmes section, under Meningitis A For 2011-13, US \$13 million for vaccine stockpile costs have been included under "Approved and Endorsed"

#### Cash Based programmes

- Cash Based Programmes General
  - A full update of projected expenditures will be in Quarter 1 2012 reflecting the outcome of the decisions of the Board.
  - "Committed" programmes reflect all previous approvals and endorsements by the Board / Executive Committee including recommendations made by the September 2011 Monitoring and HSFP IRCs.
  - "Balance of demand" estimates reflect values consistent with 15% of GAVI support funding cash-based programmes.
- Campaign Operational Costs
  - For all vaccine campaigns, related operational costs have been calculated as US \$0.30 x the target population per country.

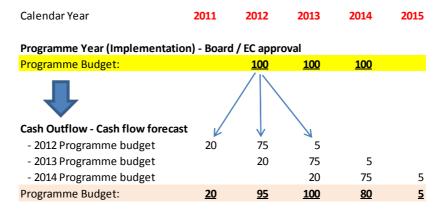


- Vaccine Introduction Grants
  - An introduction grant has been calculated per vaccine per country as the greater of US\$ 100,000 or US\$ 0.30 x birth cohort

Expenditures converted from "Programmatic Year" to "Cash outflow"

GAVI's expenditure estimates are first built on a "programmatic year" basis and then converted to
cash outflows based on a set of standard timing assumptions including historical trends e.g. for
vaccines the general assumption is that 20% of the programmatic year's expenditure will be
disbursed in the preceding year, 75% in the year itself and 5% in the subsequent year; for cashbased programmes, it is assumed that 50% will be disbursed in the programmatic year and 50% in
the following year.

Example: Converting "Programme Year" to "Cash outflow" for Vaccines



#### **Business Plan**

- The financial forecast reflects those estimates included in the Business Plan Budget for 2011 and a provisional amount for 2012. The 2012 Budget will be provided to the Board for approval at its meeting on the 16-17 November 2011.
- Beyond 2012, an annual cost increase of 2-3% is assumed for Partner and Secretariat budgets.

#### **Cash Inflows**

- Direct Contributions
  - These reflect direct contributions to either the GAVI Alliance or GAVI Campaign and are reflected on a cash basis.
  - Direct contributions and commitments represent received contributions and publicly announced and confirmed commitments as at 13 June 2011 updated for any further commitments and clarifications subsequent to this meeting through to the 14<sup>th</sup> October 2011. Non-USD contributions have been valued at their US dollar equivalents using the spot rate of 30 September 2011.
- IFFIm / GFA Proceeds
  - The cash inflows projected reflect "GFA to IFFIm transfers", i.e. the monies that would be available for supporting programmes.
  - The total amount of US\$ 1,480 million projected for the period 2011-2015 reflects the maximum amount of monies that are available from IFFIm based on existing pledges plus the new pledges made in June 2011 from Brazil, Italy and the UK.
- AMC
  - AMC inflow estimates have been derived from the AMC financial model that takes into account both demand and supply assumptions etc.
- Investment Income
  - Investment income is estimated on a conservative basis that assumes overall annual returns on cash and investments of 2% to 2.5%.



# Annex 2: Expenditure forecast comparison 2011-2015

Cash flow basis US\$ millions		2011-2	2015
Expenditure	July	Change in	Oct
	2011	estimates	2011
Programmes:			
Penta	1,539	146	1,685
Pneumo	2,435	346	2,781
Rota	404	95	499
Other vaccines	657	183	840
Total Vaccine Programmes	5,035	770	5,804
Cash-based Programmes	1,108	(71)	1,037
Total Programmes	6,143	699	6,842
Business Plan	689	157	846
Total Outflows	6,832	856	7,687
Timing of cashflows	(243)	259	16
Expenditure - <u>Programmatic basis</u>	6,589	1,115	7,703
		Ţ	

US\$ millions	Change	Explanation
Penta	265	Accelerated vaccine introductions in countries resulting from New Proposals recommendations (includes Nigeria & Indonesia)
Pneumo-GAVI funded	240	Accelerated vaccine introductionns in countries resulting from New Proposals recommendations and higher forecasted doses in key countries (includes Nigeria, Bangladesh & Niger). Some countries are still only "conditionally approved" by the IRC and therefore the new estimate reflects an optimistic assumption on rollout
Pneumo-AMC funded	80	Total Pneumo AMC funded from the period of 2010-2021 has not changed (total \$1.5B). The increase in the AMC funded portion is a result of updated assumptions surrounding the future supply agreements (based on more recent information). The updated assumptions resulted in a time shift of when AMC funds are disbursed, moving more of the funds into the 2011-2016 period in order to meet demand.
Rotavirus	106	The increase in volume is driven by changes in introduction dates as well the incorporation of actual IRC approved doses for new requests. The largest countries receiving IRC approval were Ethiopia, Tanzania & Yemen.
Measles-Rubella	222	The increase in volume is driven by an acceleration in introduction (49 countries vs. 38 countries in v3.0) during the period. Also a new target group was used - girls and boys aged 1-15 vs. in v3.0 18-35 year old females. The cost per dose assumption has also been revised reflecting the latest strategy. Forecast subject to further update based on PPC recommendations pending.
Typhoid	-	Forecast subject to further update based on upcoming Board decisions
Japanese Encephalitis (JE)	(41)	Update cost per dose assumptions from those used in the previous forecast. Forecast
Human Papillomavirus (HPV)	(28)	subject to further update based on upcoming Board decisions
All Other Vaccines	41	
sub total NVS	885	
Cash based		
HSS / ISS / IRIS / CSO	, ,	Reflects an updated implementation plan
Vaccine Introduction Grants		Reflects the latest new vaccine introduction plan
Operating costs - campaigns	185	Reflects the latest new and accelerated campaign introduction plans
sub total Cash Based	63	
Investment Cases (YF & MenA)	16	
Total Programmes Total Business Plan	964 151	Reflects latest "Business Plan" expenditure forecasts that are presented in the Business
Total Change	1,114	There is a late of business rial experiatione for casts that are presented in the business



# Annex 3: Resources forecast comparison 2011-2015

per forecast:	V 3.0Fb	V 4.0Fa	V 4.0Fb	4.0Fb vs	. 4.0Fa
Resources Available	(July Brd)	(Sep EC)	(Nov EC)		
Direct contributions confirmed	4,964	5,062	4,879	-183	-4%
IFFIm proceeds through GFA	1,480	1,480	1,480	0	0%
AMC contributions	880	979	976	-3	0%
Investment income	80	130	125	-5	-4%
Total inflows	7,404	7,651	7,461	-190	-2%
Drawdown of cash & investments	195	149	135	-14	-9%
Assured Resources	7,599	7,800	7,596	-204	-3%
Allowance for further direct contributions	300	164	102	-62	-38%
Qualifying Resources	7,899	7,964	7,697	-267	-3%
FX Rate used for Direct Contributions	10	Jun	30-Sep		
GBP / USD	1.6	1.640		Г	-4.7%
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GBP / USD	1.640	1.563	-4.7%
EURO / USD	1.458	1.360	-6.7%
NOK / USD	0.185	0.173	-6.5%
DKK / USD	0.195	0.183	-6.1%
SEK / USD	0.160	0.147	-8.2%
AUD / USD	1.061	0.979	-7.7%
CAD / USD	1.023	0.968	-5.3%

## Evolution of 2011-2015 resources since London Pledging Conference

US\$	billion
London pledging meeting <sup>8</sup>	7.6
Additional direct contribution Additional AMC contributions Allowance for further direct contributions	0.1 0.1 0.2
September AFC/EC forecast	8.0
Adjust for exchange rate movements	-0.3
October AFC / November EC forecast	7.7

<sup>&</sup>lt;sup>8</sup> No allowance was included for further direct contributions in the London Pledging Conference communiqué