



# The Essential Package of Health Services and Health Benefit Plans in Nigeria



## About the health benefit plan crosswalk analysis

An Essential Package of Health Services (EPHS) is a broad policy statement that identifies the services that a government has prioritized. The government seeks to ensure that these essential services reach the population equitably. A health benefit plan (HBP) specifies an explicit set of services and the cost-sharing requirements for beneficiaries to access those services.

In 2015, the USAID-funded Health Finance and Governance (HFG) project completed a landscape analysis of the EPHS in the 24 USAID priority countries for Ending Preventable Child and Maternal Deaths (EPCMD).<sup>1</sup> The analysis found that the government in most of the countries intends for the public and/or private not-for-profit facilities in the country to deliver the services in the EPHS. It also showed that several governments were implementing major HBPs (such as social health insurance schemes) as a primary strategy for moving toward universal health coverage. Yet it remained unclear how the EPHSs and HBPs are formulated, how they are modified, and the extent to which they overlap.

HFG conducted a second landscape analysis in 2016 to identify existing HBPs in the countries, and the services they cover. It then did a crosswalk analysis – a mapping of items on one list to equivalent items on another list – of the services specified in the country’s EPHS and those identified in an HBP. This companion analysis to the EPHS country snapshot documented the degree of alignment between the EPHS and HBP.

This brief presents HFG’s findings and observations for policymakers and program managers seeking to promote alignment of services in the EPHS with services covered in the HBP and move toward universal health coverage.

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<sup>1</sup> See HFG’s series of country snapshots on EPHS here: <https://www.hfgproject.org/ephs-epcmd-country-snapshots-series/>

## Health benefit plans in Nigeria

The Nigerian Health Insurance Scheme (NHIS) was founded in 1999 to expand health coverage to all Nigerians. Population coverage of the NHIS grew from three percent in 2012 to roughly 10 percent in 2015. This national scheme comprises separate programs for formal sector employees, students at tertiary institutions, indigent children, vulnerable groups, and voluntary contributors. The following sections describe the primary programs, as well as two state schemes, the Araya State Scheme and the Kwara State Scheme.

### Formal Sector Social Health Insurance Program

The Formal Sector Social Health Insurance Program (FSSHIP) targets employees in the public sector, the organized private sector, and the armed forces. The FSSHIP covers employees and their spouse and up to four children under the age of 18. Premiums vary by sector and participation in the scheme is not mandatory. For the public sector, the employer contributes 3.25 percent of the employee's salary towards the scheme, and the employee contributes 1.75 percent of his/her salary. For the private sector, the employer contributes 10 percent of the employee's salary, and the employee contributes 5 percent. Companies with 10 employees or more are eligible to participate in the FSSHIP. Participating public and private sector employers may opt to pay the full premium on behalf of their employees, though actual practice varies by company. The benefits package covers a broad range of services, including maternal care, malaria and HIV treatment, and laboratory tests.

To participate in the FSSHIP, employers must register with the NHIS and then arrange for employees to register with an NHIS-accredited health maintenance organization (HMO). Public health facilities apply for accreditation with the NHIS and contract with HMOs to serve FSSHIP members. Each HMO is responsible for processing member claims and paying health care facilities. Members access primary care at a provider empanelled by their HMO; to access care at secondary and tertiary health facilities, they must obtain a referral from their HMO.

### Vulnerable Group Social Health Insurance Program

The Vulnerable Group Social Health Insurance Program (VGSHIP) is an umbrella for programs for Nigerians who cannot work due to disability or community status. This includes the Physically Challenged Persons Social Health Insurance Program, the Prison Inmates Social Health Insurance Program, and the Refugees, Victims of Human Trafficking, Internationally Displaced Persons and Immigrants Social Health Insurance Program. These programs use the same HBP as the FSSHIP. The Children Under 5 Social Health Insurance Program features a unique HBP tailored to child health services, and includes coverage for measles, immunizations, diarrhea, and typhoid.

Participating health care facilities must obtain accreditation with the NHIS, and HMOs manage the plans' administration.

### Voluntary Contributors Social Health Insurance Program

The Voluntary Contributors Social Health Insurance Program (VCSHIP) targets employees at companies with fewer than 10 staff, informal sector employees, and individuals willing to contribute to the scheme. Those willing to contribute can include self-employed Nigerians, retirees, and foreign legal residents of Nigeria. Individuals who do not fall into any of the other existing NHIS programs are also eligible to participate in VCSHIP. The scheme does not cover dependents of those enrolled.

Members of VCSHIP contribute N15,000 (US \$48) per year. The scheme is managed by HMOs with oversight by the NHIS. Members may terminate their membership at any time by providing written notice to their HMO. The VCSHIP uses the same HBP as FSSHIP.

### Public Primary Pupils Social Health Insurance Program

The Public Primary Pupils Social Health Insurance Program (PPPSHIP) is intended for school children in public primary schools across Nigeria. The PPPSHIP targets children above the age of five who are from middle and lower-income families, and who are ineligible for other subsidized health programs. Premiums of N220 (US \$0.70) per child per month are fully subsidized. The NHIS provides 40 percent of the

funding, and state government provides the remaining 60 percent used to fund the program.

The NHIS manages enrollment, and HMOs administer benefits. Children in the program are assigned to access care from a cluster of primary health facilities based on their geographic location. The benefits package includes health services targeted towards children and covers malaria, measles, and management of simple infections. The NHIS anticipates that the program will expand and eventually cover over 24 million children in private schools, nomadic schools, and vocational schools.

## Tertiary Social Health Insurance Program

The Tertiary Institutions Social Health Insurance Program (TISHIP) covers full-time and part-time university students. Participating universities established a TISHIP Management Committee to administer their participation in the program. The university selects an HMO to associate with, mobilizes students to participate in the program, and ensures that enrolled students have paid their contributions. The university's HMO partner manages quality assurance, makes payments to providers, and enrolls students. The student union at the institution educates students on the program's benefits and reports any complaints to the HMO and NHIS.

The TISHIP raises funds primarily through students' premiums, which are set at a minimum of N1,600 (US \$5) annually. Covered students access care with no cost sharing (e.g., copayment) at the point of service. Student members can seek services at public primary health care facilities and can access care at secondary and tertiary facilities upon referral.

HMOs serving as intermediaries in the TISHIP must offer the scheme's benefit package, and may choose to offer additional benefits. HMOs enroll students in the scheme at the beginning of the academic year and meet enrollment targets determined by the NHIS. Primary care facilities receive payments via a capitation payment mechanism, and secondary and tertiary facilities are paid fee-for-service.

## Community-Based Social Health Insurance Program

The Community-Based Social Health Insurance Program (CBSHIP) aims to cover groups of households. All residents in participating communities are eligible to join and enrollment is voluntary. For a community to participate, at least half of families must contribute to the scheme, or the scheme must have a minimum of

1,000 members. The CBSHIP uses community program managers to mobilize communities, review the benefits package, pool contributions, and liaise with the NHIS. The CBSHIP does not have a specified HBP and is therefore excluded from the crosswalk analysis.

## Araya Health Insurance Scheme

The Araya Health Insurance Scheme was launched in April 2014 with a US\$3.8 million annual budget. This scheme is a public-private partnership between the Ogun state government and the African Health Markets for Equity (AHME) consortium to promote enrollment in pre-paid health schemes in Ogun. It originated in eight local government areas in Ogun, and the state governing body recently announced plans for a statewide scale-up. Members pay an annual premium of N4,000 (US \$13), though enrollment in the scheme is free for children under five, pregnant women, and the elderly.

The public-private partnership is a distinguishing aspect of the Araya scheme. Ogun State partially subsidizes the premium, with additional subsidies provided by development partners supporting AHME. AHME supports the scheme's administration, costing, HBP design, and marketing. Members can seek health services at public and private facilities across the state. The scheme aims to improve health care quality, and employs a 14-member quality assurance team that evaluates the quality of care delivered to members.

## Kwara State Health Insurance Program

Financed primarily through donor funds, the Kwara State Health Insurance Program is a public-private partnership launched in 2007 by the Kwara state government with support from the Nigerian Minister of Health. Kwara works with PharmAccess, a Dutch partner, and a local HMO called Hygeia to provide coverage. Members enroll as individuals and HMOs work in partnership with PharmAccess to execute the program and pay providers.

The Kwara state government currently subsidizes 60 percent of member premiums, and aims to eventually subsidize the entire premium. The state government plans to allocate US\$42.5 million over a five-year period to subsidize premiums. The scheme covers roughly 80,000 people, and aims to reach 60 percent of the Kwara state rural population, or 600,000 people, by 2018. Ten other Nigerian states including Lagos have shown interest in replicating this model.

The HFG team was unable to find an HBP for this plan, so it is not included in the crosswalk analysis.

## Methodology

HFG identified all major HBPs operating in the country through a desk review of public domain sources found through web-based searches, including: government strategy documents, studies and reports, peer-reviewed journal articles, news articles, and gray literature. A list of sources reviewed is at the end of this document. We collected information across all 24 countries using a common template. We analyzed the HBPs operating in the country which:

- ▶ are fully or partially publicly financed
- ▶ employ a risk-pooling mechanism to provide financial protection to beneficiaries when they access covered services.

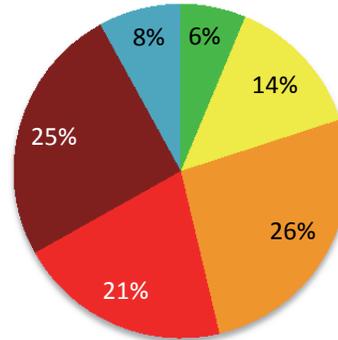
HFG determined whether the HBP had an explicit, published list of covered services. We compared services included in the government’s EPHS to those in the HBP using Microsoft Excel. To indicate how each service included in the EPHS relates to those in the HBP, we established a color-coded system as follows:

**TABLE 1: CLASSIFICATION SYSTEM FOR THE CROSSWALK ANALYSIS**

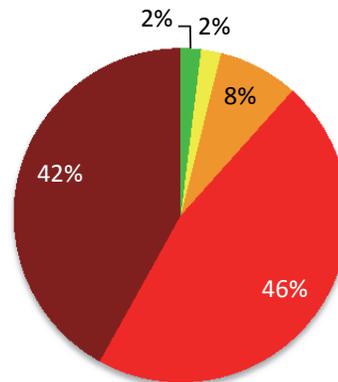
Service included in EPHS matches service included in HBP	
Service included in HBP fits within a broader category of services included in EPHS	Service included in EPHS fits within a broader category of services included in HBP
Service included in EPHS but not included in HBP	Service included in HBP but not included in EPHS
Service explicitly excluded from EPHS	Service explicitly excluded from HBP

## Main observations from the crosswalk

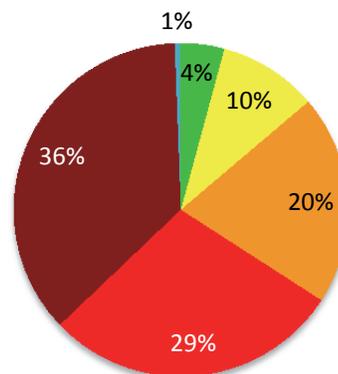
### NIGERIA – FSSHIP, VGSHIP, VCSHIP



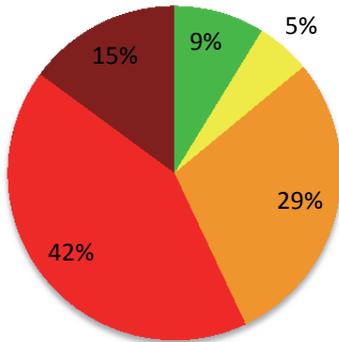
### NIGERIA - PPPSHIP



### NIGERIA - TISHIP



**NIGERIA - ARAYA CBHI**



- ▶ The HBP of each NHIS scheme is tailored to its target beneficiary group. For example, the PPPSHIP mainly covers child health services, and does not cover maternal, newborn, and reproductive health services, which are not part of child health.

- ▶ The FSSHIP and TISHIP explicitly exclude all family planning commodities, including condoms; family planning is listed in the EPHS.
- ▶ The FSSHIP has the most overlap with the EPHS in terms of childhood immunizations.
- ▶ Some explicitly excluded services listed in the HBPs, such as the exclusion of TB drugs from FSSHIP, are included in Nigeria's EPHS.
- ▶ With the exception of FSSHIP, no schemes list comprehensive HIV services.
- ▶ FSSHIP and TISHIP have the most comprehensive HBPs.
- ▶ Of all the schemes in the crosswalk analysis, the FSSHIP HBP has the most overlap with the EPHS.

The detailed crosswalk is shown below. The tables present the health services essentially as written in the official health policy documents, although HFG has edited them where necessary to maintain a consistent style across this series of country briefs.

**TABLE 2: FSSHIP, VGSHIP FOR PHYSICALLY CHALLENGED PERSONS, AND FOR PRISON INMATES, AND VCSHIP CROSSWALK ANALYSIS**

This HBP applies to each of these NHIS programs.

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Family Planning and Reproductive Health</b>		
Family planning	Service included in HBP fits within a broader category of services included in EPHS	Family planning education only
Detection and management of sexually transmitted infections (STIs)	Service included in HBP fits within a broader category of services included in EPHS	STI counseling
		STI health education
		Management of uncomplicated STIs
		Immunization against childhood killer diseases [HPV]
	Service included in HBP but not included in EPHS	Acute pelvic inflammatory diseases
	Service included in HBP but not included in EPHS	Vaginal discharges
	Service included in HBP but not included in EPHS	Obstetrics and gynecology - specialist consultation

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
	Service included in HBP but not included in EPHS	All emergency gynecological procedures
	Service included in HBP but not included in EPHS	All obstetric and gynecological cases that cannot be handled at the primary and secondary levels of care except those conditions on the exclusion list
	Service explicitly excluded from HBP	Family planning commodities, including condoms
<b>Malaria</b>		
Management of complicated malaria (2nd line drug)	Service included in EPHS fits within a broader category of services included in HBP	Malaria and other acute uncomplicated febrile illnesses
Artemisinin-based combination therapy for pregnant women		
Artemisinin-based combination therapy for adults		
Artemisinin-based combination therapy for children	Service included in EPHS fits within a broader category of services included in HBP	Treatment of common childhood illnesses, e.g. malaria
Intermittent preventive treatment (IPTp) for malaria in pregnancy	Service included in EPHS fits within a broader category of services included in HBP	Maternity (antenatal, delivery, and postnatal) care for every insured enrollee eligible for coverage
Insecticide treated mosquito nets for children under 5	Service included in EPHS but not included in HBP	
Insecticide treated mosquito nets for pregnant women	Service included in EPHS but not included in HBP	
<b>Tuberculosis</b>		
BCG immunization	Service included in EPHS matches service included in HBP	Immunization against childhood killer diseases [BCG]
TB case detection and treatment with directly observed treatment, short-course (DOTS)	Service included in EPHS but not included in HBP	
Re-treatment of TB patients	Service included in EPHS but not included in HBP	
	Service explicitly excluded from HBP	Medicine - anti-tuberculosis drugs

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>HIV/AIDS</b>		
Management of opportunistic infections in AIDS	Service included in EPHS matches service included in HBP	HIV - Treatment of simple opportunistic infections
Management of opportunistic infections in AIDS	Service included in EPHS matches service included in HBP	HIV - Management of opportunistic infections
Male circumcision	Service included in HBP fits within a broader category of services included in EPHS	Circumcision of male infants
Provider-initiated testing and counseling	Service included in EPHS fits within a broader category of services included in HBP	HIV screening and confirmation
		Voluntary counseling and testing
		Antenatal care investigations - HIV screening
First-line ART for pregnant women with HIV/AIDS	Service included in EPHS fits within a broader category of services included in HBP	Maternity (antenatal, delivery, and postnatal) care for every insured enrollee eligible for coverage
Second-line ART for pregnant women with HIV/AIDS		
Preventing mother-to-child transmission		
Cotrimoxazole prophylaxis for HIV+ mothers		
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
First-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Management of complicated AIDS	Service included in EPHS but not included in HBP	
Condoms for HIV prevention	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ adults	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Health education

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Maternal Health</b>		
Clean delivery and cord care	Service included in EPHS fits within a broader category of services included in HBP	Maternity (antenatal, delivery, and postnatal) care for every insured enrollee eligible for coverage
		Routine maternity care for all pregnancies (antenatal, delivery, postnatal) except where complications exist
Antenatal care	Service included in EPHS fits within a broader category of services included in HBP	Maternity (antenatal, delivery, and postnatal) care for every insured enrollee eligible for coverage
		Routine maternity care for all pregnancies (antenatal, delivery, postnatal) except where complications exist
		Antenatal care investigations- Packed Cell Volume/Hemoglobin estimation, urinalysis, blood grouping, HIV screening, blood genotype, hepatitis B surface antigen, ultrasound scan (at least twice), fasting blood sugar/random blood sugar
Routine antenatal care drugs		
Initiation of breastfeeding within first hour and temp management	Service included in EPHS fits within a broader category of services included in HBP	Maternity (antenatal, delivery, and postnatal) care for every insured enrollee eligible for coverage
Routine postnatal care (healthy practices and illness detection)		
Deworming in pregnancy		
Clean delivery and cord care		
Detection and management of syphilis in pregnancy		
Prevention and treatment of iron deficiency anemia in pregnancy		
Intermittent preventive treatment (IPTp) for malaria in pregnancy		
Artemisinin-based combination therapy for pregnant women		
Normal delivery by skilled attendant		
Basic emergency obstetric care		
Antenatal steroids for preterm labor		

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Antibiotics for preterm/pre-labor rupture of membrane	Service included in EPHS fits within a broader category of services included in HBP	
Comprehensive emergency obstetric care		
Detection and management of (pre)eclampsia (Magnesium sulphate)		
First-line ART for pregnant women with HIV/AIDS		
Second-line ART for pregnant women with HIV/AIDS		
Preventing mother-to-child transmission		
Cotrimoxazole prophylaxis for HIV+ mothers		
Insecticide-treated mosquito nets for pregnant women		
	Service included in HBP but not included in EPHS	Multiple gestation/high risk pregnancies
	Service included in HBP but not included in EPHS	Caesarian sections
	Service included in HBP but not included in EPHS	Immunization
	Service explicitly excluded from HBP	Artificial insemination, including In vitro fertilization and intracytoplasmic sperm injection (ICSI)
<b>Newborn Health</b>		
Supplementary feeding for malnourished children	Service included in EPHS fits within a broader category of services included in HBP	Feeding problems and nutritional services
Universal extra community-based care of low body weight infants	Service included in EPHS but not included in HBP	
Exclusive breastfeeding for children 0-5 months	Service included in EPHS but not included in HBP	
Continued breastfeeding for children 6-11 months	Service included in EPHS but not included in HBP	
Adequate and safe complementary feeding	Service included in EPHS but not included in HBP	
Community based management of neonatal sepsis	Service included in EPHS but not included in HBP	
Resuscitation of asphyctic newborns at birth	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Management of neonatal infections	Service included in EPHS but not included in HBP	
Clinical management of neonatal jaundice	Service included in EPHS but not included in HBP	
Universal emergency neonatal care (asphyxia aftercare, management of serious infections, management of the very low body weight infant)	Service included in EPHS but not included in HBP	
<b>Child Health (1-5 years)</b>		
Vitamin A supplementation for children under 5	Service included in EPHS matches service included in HBP	Vitamin A supplementation
BCG immunization	Service included in EPHS matches service included in HBP	Immunization against childhood killer diseases [BCG]
Oral polio vaccine immunization	Service included in EPHS matches service included in HBP	Immunization against childhood killer diseases [oral polio]
DPT immunization	Service included in EPHS matches service included in HBP	Immunization against childhood killer diseases [DPT]
Measles immunization	Service included in EPHS matches service included in HBP	Immunization against childhood killer diseases [measles]
Hepatitis B immunization	Service included in EPHS matches service included in HBP	Immunization against childhood killer diseases [Hepatitis B]
Vitamin A - Treatment for measles	Service included in EPHS matches service included in HBP	Treatment of common childhood illnesses, e.g. measles
Antibiotics for children under 5 with pneumonia	Service included in EPHS matches service included in HBP	Treatment of common childhood illnesses, e.g. uncomplicated pneumonia
Pentavalent (DPT-HiB-Hepatitis b) immunization	Service included in HBP fits within a broader category of services included in EPHS	Immunization against childhood killer diseases [DPT], immunization against childhood killer diseases [Hepatitis B]
Management of severe acute malnutrition	Service included in HBP fits within a broader category of services included in EPHS	Treatment of common childhood illnesses, e.g. uncomplicated malnutrition
Follow up management of severe acute malnutrition		

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Zinc for diarrhea management Oral Rehydration Therapy (ORT) ORT for diarrhea management	Service included in EPHS fits within a broader category of services included in HBP	Treatment of common childhood illnesses, e.g. vomiting and uncomplicated diarrheal diseases
Hib immunization	Service included in EPHS fits within a broader category of services included in HBP	Routine immunization
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
Management of severely sick children clinical integrated management of childhood illness (IMCI)	Service included in EPHS but not included in HBP	
Insecticide treated mosquito nets for children under 5	Service included in EPHS but not included in HBP	
Artemisinin-based combination therapy for children	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Treatment of common childhood illnesses, e.g. other febrile illnesses
	Service included in HBP but not included in EPHS	Treatment of common childhood illnesses, e.g. failure to thrive
	Service included in HBP but not included in EPHS	Treatment of common childhood illnesses, e.g. upper respiratory tract infection
	Service included in HBP but not included in EPHS	Treatment of common childhood illnesses, e.g. other childhood exanthemas, simple skin diseases and viral illness
	Service included in HBP but not included in EPHS	Child welfare services - growth monitoring
	Service included in HBP but not included in EPHS	Nutritional advice and health education
	Service included in HBP but not included in EPHS	Immunization against childhood killer diseases [HPV]
	Service included in HBP but not included in EPHS	All medical and surgical pediatric cases that cannot be handled at the primary level except those requiring tertiary care or on the exclusion list

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
	Service explicitly excluded from HBP	Pediatrics - treatment of congenital abnormalities requiring advanced surgical procedures e.g. Tetralogy of Fallot (TOF), Arterial Septal Defects (ASD), Ventricular Septal Defect (VSD)
<b>Other Communicable Diseases</b>		
Zinc for diarrhea management	Service included in EPHS fits within a broader category of services included in HBP	Uncomplicated diarrheal diseases Treatment of common childhood illnesses, e.g. vomiting and uncomplicated diarrheal diseases
Oral Rehydration Therapy (ORT)	Service included in EPHS fits within a broader category of services included in HBP	Uncomplicated diarrheal diseases Treatment of common childhood illnesses, e.g. vomiting and uncomplicated diarrheal diseases
ORT for diarrhea management	Service included in EPHS fits within a broader category of services included in HBP	Uncomplicated diarrheal diseases Treatment of common childhood illnesses, e.g. vomiting and uncomplicated diarrheal diseases
Yellow fever immunization	Service included in EPHS but not included in HBP	
Meningitis immunization	Service included in EPHS but not included in HBP	
Antibiotics for dysentery and enteric fevers	Service included in EPHS but not included in HBP	
Tetanus immunization	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Acute upper respiratory tract infections
	Service included in HBP but not included in EPHS	Uncomplicated pneumonia*
	Service included in HBP but not included in EPHS	Simple skin diseases, e.g. Taenia vesicolor, M. furfur, T. Capitis, etc.
	Service included in HBP but not included in EPHS	Worm infestation
	Service included in HBP but not included in EPHS	Other uncomplicated bacteria, fungal, parasitic and viral infections and illnesses
	Service explicitly excluded from HBP	Epidemics

\*EPHS only covers antibiotics for children under 5 with pneumonia. See Child Health section.

### Drugs

No data		No data
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Service listed in the EPHS		Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Non-communicable Diseases</b>			
		Service included in HBP but not included in EPHS	Other uncomplicated bacteria, fungal, parasitic and viral infections and illnesses
		Service included in HBP but not included in EPHS	Other uncomplicated bacteria, fungal, parasitic and viral infections and illnesses
<b>Other</b>			
<b>Surgical Procedures</b>	Surgical procedures	Service included in HBP fits within a broader category of services included in EPHS	Drainage of simple abscess (incision and drainage) Minor wound debridement Surgical repairs of simple lacerations Drainage of paronychia Passage of urethral catheter
		Service explicitly excluded from HBP	Surgery – mammoplasty
<b>Emergency Care</b>	Other emergency acute care	Service included in HBP fits within a broader category of services included in EPHS	Establishing an intravenous line
			Establishing patent airway
			Management of convulsion
			Control of bleeding
			Cardio-pulmonary resuscitation
			Immobilization of fractures using splints, neck collars, to ease transportation of patients
			Aspiration of mucus plug to clear airways
			Asthmatic Attacks
			Any other procedure that may be life saving
<b>Other Public Health Interventions</b>	Household water treatment	Service included in EPHS but not included in HBP	
	Access to improved water source	Service included in EPHS but not included in HBP	
	Use of sanitary latrines	Service included in EPHS but not included in HBP	
	Hand washing with soap	Service included in EPHS but not included in HBP	

	Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Dental Health		Service included in HBP but not included in EPHS	Replacement of maximum of four dentures
		Service included in HBP but not included in EPHS	All dental cases that cannot be handled at the primary level except those requiring tertiary care or on the exclusion list
		Service included in HBP but not included in EPHS	Dental check
		Service included in HBP but not included in EPHS	Scaling and polishing
		Service included in HBP but not included in EPHS	Minor oral surgeries
		Service included in HBP but not included in EPHS	Maximum of two root canal treatment
		Service explicitly excluded from HBP	Dental care - crowns and bridges, bleaching, implants
Other	Detection and treatment of asymptomatic bacteriuria	Service included in EPHS but not included in HBP	
		Service included in HBP but not included in EPHS	Dog bites, snakebites, scorpion stings
		Service included in HBP but not included in EPHS	Psychosomatic illnesses
		Service included in HBP but not included in EPHS	Insomnia
		Service included in HBP but not included in EPHS	Conjunctivitis
		Service included in HBP but not included in EPHS	Minor eye ailments including simple contusion, abrasions, foreign bodies etc.
		Service included in HBP but not included in EPHS	Dental care education (preventative and promotive oral care)
		Service included in HBP but not included in EPHS	Internal medicine - screening as determined by NHIS
		Service included in HBP but not included in EPHS	Refraction, including provision of low priced spectacles and excluding contact lenses
		Service included in HBP but not included in EPHS	All ophthalmological cases that cannot be handled at the primary level except those requiring tertiary care or on the exclusion list
		Service included in HBP but not included in EPHS	All Ear, Nose, Throat (ENT) cases that cannot be handled at the primary except those requiring tertiary care or on the exclusion list

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Other</b>	Service included in HBP but not included in EPHS	All physiotherapy procedures except those on the exclusion list. Hospital stay in cerebrovascular accident (CVA) cases is allowed for 12 cumulative weeks and does not foreclose post hospitalization therapy
	Service included in HBP but not included in EPHS	Radiology/Ultra-Sonography - all investigations except those on exclusion list
	Service explicitly excluded from HBP	Occupational/industrial injuries to the extent covered under the Workmen Compensation Act
	Service explicitly excluded from HBP	Injuries resulting from natural disasters, e.g. earthquakes, landslides and conflicts, social unrest, riots, war
	Service explicitly excluded from HBP	Injuries arising from extreme sports, e.g. car racing, horse racing, polo, mountaineering, boxing, wrestling, etc.
	Service explicitly excluded from HBP	Drug abuse/addiction
	Service explicitly excluded from HBP	Domiciliary visit
	Service explicitly excluded from HBP	Post Mortem examination
Service explicitly excluded from HBP	Ophthalmology - provision of contact lens	

**TABLE 3: VGSHIP FOR CHILDREN UNDER 5 CROSSWALK ANALYSIS**

This scheme only covers children under 5 and the HBP only includes services for children. Therefore, we only performed a crosswalk for child health services.

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Child Health (1-5 years)</b>		
Measles immunization	Service included in EPHS fits within a broader category of services included in HBP	Measles
Vitamin A - Treatment for measles		
Measles immunization	Service included in EPHS fits within a broader category of services included in HBP	Immunization
Hib immunization		
BCG immunization		
Pentavalent (DPT-Hib-Hepatitis B) immunization		
Oral polio vaccine immunization		
DPT (Diphtheria, Pertussis, Tetanus) immunization		
Hepatitis B immunization		
Antibiotics for under-5 pneumonia	Service included in EPHS fits within a broader category of services included in HBP	Pneumonia
Insecticide-treated mosquito nets for children under 5	Service included in EPHS fits within a broader category of services included in HBP	Malaria
Management of complicated malaria (2nd line drug)		
Artemisinin-based combination therapy for children		
Antibiotics for dysentery and enteric fevers	Service included in EPHS fits within a broader category of services included in HBP	Typhoid (Enteric fever)
Zinc for diarrhea management	Service included in EPHS fits within a broader category of services included in HBP	Diarrhea
ORT for diarrhea management	Service included in EPHS fits within a broader category of services included in HBP	Diarrhea
Accidents and emergency	Service included in EPHS fits within a broader category of services included in HBP	Domestic accidents
Vitamin A - supplementation for children under 5	Service included in EPHS but not included in HBP	
Management of severely sick children CIMCI (clinical integrated management of childhood illness)	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Hospitalization
	Service included in HBP but not included in EPHS	Upper respiratory tract infections
	Service included in HBP but not included in EPHS	Skin infections

TABLE 4: PPPSHIP CROSSWALK ANALYSIS

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Family Planning and Reproductive Health</b>		
Family Planning	Service included in EPHS but not included in HBP	
Detection and management of sexually transmitted infections (STIs)	Service included in EPHS but not included in HBP	
<b>Malaria</b>		
Management of complicated malaria (2nd line drug)	Service included in EPHS fits within a broader category of services included in HBP	Severe malaria Management of simple infections/infestations: Malaria
Artemisinin-based combination therapy for children	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/infestations: Malaria
Artemisinin-based combination therapy for pregnant women		
Artemisinin-based combination therapy for adults		
Intermittent preventive treatment for malaria in pregnancy		
Insecticide-treated mosquito nets for children under 5	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for pregnant women	Service included in EPHS but not included in HBP	
<b>Tuberculosis</b>		
BCG immunization	Service included in EPHS but not included in HBP	
TB case detection and treatment with directly observed treatment, short-course (DOTS)	Service included in EPHS but not included in HBP	
Re-treatment of TB patients	Service included in EPHS but not included in HBP	
Management of multidrug resistant TB	Service included in EPHS but not included in HBP	
	Service included in HPB but not included in EPHS	Acid-Fast Bacillus (AFB) for TB
	Service included in HPB but not included in EPHS	Mantoux test

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>HIV/AIDS</b>		
Provider-initiated testing and counseling	Service included in HBP fits within a broader category of services included in EPHS	Screening for HIV 1 & 2
Condoms for HIV prevention	Service included in EPHS but not included in HBP	
Preventing mother-to-child transmission	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ mothers	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ adults	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
Management of opportunistic infections in AIDS	Service included in EPHS but not included in HBP	
Male circumcision	Service included in EPHS but not included in HBP	
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
First-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
First-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Management of complicated AIDS	Service included in EPHS but not included in HBP	
<b>Maternal Health</b>		
Artemisinin-based combination therapy for pregnant women	Service included in EPHS fits within a broader category of services included in HBP	Management of simple Infections/infestations: Malaria
Clean delivery and cord care	Service included in EPHS but not included in HBP	
Initiation of breastfeeding within 1st hr. and temp management	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Routine postnatal care (healthy practices and illness detection)	Service included in EPHS but not included in HBP	
Antenatal Care	Service included in EPHS but not included in HBP	
Deworming in pregnancy	Service included in EPHS but not included in HBP	
Clean delivery and cord care	Service included in EPHS but not included in HBP	
Detection and management of syphilis in pregnancy	Service included in EPHS but not included in HBP	
Prevention and treatment of iron deficiency anemia in pregnancy	Service included in EPHS but not included in HBP	
Intermittent preventive treatment for malaria in pregnancy	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for pregnant women	Service included in EPHS but not included in HBP	
Normal delivery by skilled attendant	Service included in EPHS but not included in HBP	
Basic emergency obstetric care	Service included in EPHS but not included in HBP	
Antenatal steroids for preterm labor	Service included in EPHS but not included in HBP	
Antibiotics for Preterm/Pre-labor Rupture of Membrane	Service included in EPHS but not included in HBP	
Comprehensive emergency obstetric care	Service included in EPHS but not included in HBP	
Detection and management of (pre)eclampsia (Magnesium sulphate)	Service included in EPHS but not included in HBP	
Preventing mother-to-child transmission	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ mothers	Service included in EPHS but not included in HBP	
First-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Alpha fetoprotein laboratory test

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Newborn Health</b>		
Universal extra community-based care of low body weight infants	Service included in EPHS but not included in HBP	
Exclusive breastfeeding for children 0 - 5 months	Service included in EPHS but not included in HBP	
Continued breastfeeding for children 6 - 11 months	Service included in EPHS but not included in HBP	
Adequate and safe complementary feeding	Service included in EPHS but not included in HBP	
Supplementary feeding for malnourished children	Service included in EPHS but not included in HBP	
Community based management of neonatal sepsis	Service included in EPHS but not included in HBP	
Resuscitation of asphyctic newborns at birth	Service included in EPHS but not included in HBP	
Management of neonatal infections	Service included in EPHS but not included in HBP	
Clinical management of neonatal jaundice	Service included in EPHS but not included in HBP	
Universal emergency neonatal care (asphyxia aftercare, management of serious infections, management of the very low body weight infant)	Service included in EPHS but not included in HBP	
<b>Child Health (1-5 years)</b>		
Pentavalent (DPT-Hib-Hepatitis b) immunization	Service included in EPHS fits within a broader category of services included in HBP	Whooping cough
Measles immunization	Service included in EPHS fits within a broader category of services included in HBP	Measles
Vitamin A - Treatment for measles	Service included in EPHS fits within a broader category of services included in HBP	
Artemisinin-based combination therapy for children	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/infestations: Malaria
Hib immunization	Service included in EPHS but not included in HBP	
Vitamin A - supplementation for children under 5	Service included in EPHS but not included in HBP	
Management of severely sick children CIMCI (clinical integrated management of childhood illness)	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
BCG immunization	Service included in EPHS but not included in HBP	
Oral polio vaccine immunization	Service included in EPHS but not included in HBP	
DPT (Diphtheria, Pertussis, Tetanus) immunization	Service included in EPHS but not included in HBP	
Hepatitis B immunization	Service included in EPHS but not included in HBP	
Antibiotics for under-5 pneumonia	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for children under 5	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Management of vaccine preventable diseases
	Service included in HBP but not included in EPHS	Management of simple infections/infestations: Mumps
	Service included in HBP but not included in EPHS	Chicken pox
	Service included in HBP but not included in EPHS	Other viral exanthemas
	Service included in HBP but not included in EPHS	Management of childhood emergencies
<b>Other Communicable Diseases</b>		
Oral Rehydration Therapy (ORT) for diarrhea management	Service included in EPHS matches service included in HBP	Diarrhea with severe dehydration
Oral Rehydration Therapy		Management of simple infections/infestations: Diarrheal diseases
Zinc for diarrhea management		
Meningitis immunization	Service included in HBP fits within a broader category of services included in EPHS	Meningitis

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Antibiotics for dysentery and enteric fevers	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/infestations: Diarrheal diseases Management of simple infections/infestations: Enteritis/typhoid fever
Yellow fever immunization	Service included in EPHS but not included in HBP	
Tetanus immunization	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Management of simple infections/infestations: Primary Ear, Nose and Throat infections
	Service included in HBP but not included in EPHS	Management of simple infections/infestations: Helminthiasis
	Service included in HBP but not included in EPHS	Management of simple infections/infestations: Schistosomiasis
	Service included in HBP but not included in EPHS	Widal test [test for typhoid]
	Service included in HBP but not included in EPHS	Septicemia
	Service included in HBP but not included in EPHS	Hepatitis
	Service included in HBP but not included in EPHS	Hepatitis B surface antigen screening
	Service included in HBP but not included in EPHS	Management of simple infections/infestations: Conjunctivitis
	Service included in HBP but not included in EPHS	Management of simple infections/infestations: Respiratory tract infections
<b>Drugs</b>		
	Service included in HBP but not included in EPHS	Consultation with general practitioners and prescribed drugs
<b>Non-communicable Diseases</b>		
	Service included in HBP but not included in EPHS	Management of simple infections/infestations: Urinary Tract Infections
	Service included in HBP but not included in EPHS	Management of sickle cell disease
	Service included in HBP but not included in EPHS	Allergic conditions
	Service included in HBP but not included in EPHS	Severe anemia

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
	Service included in HBP but not included in EPHS	Complicated respiratory tract infections eg. pneumonia, tonsillitis, pharyngitis*
	Service included in HBP but not included in EPHS	Other conditions as may be listed by NHIS from time to time

\*Note – EPHS only covers pneumonia antibiotics for children under 5 (see Child Health section)

### Other

Other Public Health Interventions	Household water treatment	Service included in EPHS but not included in HBP	
	Access to improved water source	Service included in EPHS but not included in HBP	
	Use of sanitary latrines	Service included in EPHS but not included in HBP	
	Hand washing with soap	Service included in EPHS but not included in HBP	
	Follow up Management of Severe Acute Malnutrition	Service included in EPHS but not included in HBP	
	Management of Severe Acute Malnutrition	Service included in EPHS but not included in HBP	
Surgical Procedures		Service included in HBP but not included in EPHS	Surgeries e.g. appendicitis, hernia repair, hydro
Other	Detection and treatment of asymptomatic	Service included in EPHS but not included in HBP	
		Service included in HBP but not included in EPHS	Skin diseases
		Service included in HBP but not included in EPHS	Domestic accidents/minor injuries
		Service included in HBP but not included in EPHS	Health promotion/prevention (deworming, vitamin supplementation, etc.)
		Service included in HBP but not included in EPHS	Consultation and treatment by specialist such as surgeons, pediatricians, ophthalmologists, etc.
		Service included in HBP but not included in EPHS	Treatment of moderate to severe infections
		Service included in HBP but not included in EPHS	Admission (maximum of fifteen days cumulative per year)
		Service included in HBP but not included in EPHS	Management of fractures

	Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Dental Health		Service included in HBP but not included in EPHS	Primary dental care, gingivitis, dental caries etc.
		Service included in HBP but not included in EPHS	Dental procedures e.g. tooth extraction
Emergency Care		Service included in HBP fits within a broader category of services included in EPHS	Management of envenomation due to snake bite/rabid dog bite
Diagnostic Services		Service included in HBP but not included in EPHS	Metabolic panel (MP)
		Service included in HBP but not included in EPHS	Hemoglobin (HB)
		Service included in HBP but not included in EPHS	Random Blood Sugar
		Service included in HBP but not included in EPHS	Urinalysis
		Service included in HBP but not included in EPHS	Urine Microscopy
		Service included in HBP but not included in EPHS	Stool Microscopy
		Service included in HBP but not included in EPHS	Genotype
		Service included in HBP but not included in EPHS	Lumbar puncture
		Service included in HBP but not included in EPHS	Urea/electrolyte/creatinine
		Service included in HBP but not included in EPHS	Bilirubin (total and conjugated)
		Service included in HBP but not included in EPHS	G - 6 phosphate dehydrogenase
		Service included in HBP but not included in EPHS	Ketone bodies
		Service included in HBP but not included in EPHS	G - 6 phosphate dehydrogenase
		Service included in HBP but not included in EPHS	Ketone bodies
		Service included in HBP but not included in EPHS	Urine Microscopy/Culture/Sensitivities (M/C/S)
	Service included in HBP but not included in EPHS	Sputum Microscopy/Culture/Sensitivities (M/C/S)	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
	Service included in HBP but not included in EPHS	Blood Microscopy/Culture/Sensitivities (M/C/S)
	Service included in HBP but not included in EPHS	Urethral/Wound Microscopy/Culture/Sensitivities (M/C/S)
	Service included in HBP but not included in EPHS	Ear/eye/throat swab Microscopy/Culture/Sensitivities (M/C/S)
	Service included in HBP but not included in EPHS	Spirate/pus Microscopy/Culture/Sensitivities (M/C/S)
	Service included in HBP but not included in EPHS	Skin snip for microfilaria
	Service included in HBP but not included in EPHS	Gram stain
	Service included in HBP but not included in EPHS	Blood grouping
	Service included in HBP but not included in EPHS	Full blood count
	Service included in HBP but not included in EPHS	Platelets concentration
	Service included in HBP but not included in EPHS	Reticulocyte count
	Service included in HBP but not included in EPHS	Prothrombin/thromboplastin time
	Service included in HBP but not included in EPHS	Blood bag
	Service included in HBP but not included in EPHS	Cross-matching
	Service included in HBP but not included in EPHS	Donor screening
	Service included in HBP but not included in EPHS	Chest x-ray
	Service included in HBP but not included in EPHS	Skull x-ray
	Service included in HBP but not included in EPHS	X-ray of the spine

Diagnostic Services

TABLE 5: TISHIP CROSSWALK ANALYSIS

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Family Planning and Reproductive Health</b>		
Detection and management of STIs	Service included in EPHS matches service included in HBP	Management of simple sexually transmitted infections (including laboratory diagnosis)*
Family planning	Service included in HBP fits within a broader category of services included in EPHS	Health prevention and promotion: Family planning services excluding commodities
	Service included in HBP but not included in EPHS	Management of reproductive tract infections (RTIs)
	Service included in HBP but not included in EPHS	Management of simple urinary tract infections (including laboratory diagnosis)*
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Pelvic inflammatory disease
	Service explicitly excluded from HBP	Family planning commodities
**Management of simple STIs and UTIs** are listed as one line item in the HBP. We split them for this crosswalk.		
<b>Malaria</b>		
Management of complicated malaria (2nd line drug)	Service included in EPHS matches service included in HBP	Management of severe malaria
Artemisinin-based combination therapy for children	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/ infestations: Malaria
Artemisinin-based combination therapy for pregnant women		
Artemisinin-based combination therapy for adults		
Intermittent preventive treatment for malaria in pregnancy		
Insecticide-treated mosquito nets for children under 5	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for pregnant women	Service included in EPHS but not included in HBP	
<b>Tuberculosis</b>		
BCG immunization	Service included in EPHS but not included in HBP	
TB case detection and treatment with directly observed treatment, short-course (DOTS)	Service included in EPHS but not included in HBP	
Re-treatment of TB patients	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Management of multidrug resistant TB	Service included in EPHS but not included in HBP	
<b>HIV/AIDS</b>		
Condoms for HIV prevention	Service included in EPHS fits within a broader category of services included in HBP	Health prevention and promotion: HIV/AIDS
Preventing mother-to-child transmission		
Provider-initiated testing and counseling		
Male circumcision		
Cotrimoxazole prophylaxis for HIV+ mothers	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ adults	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
Management of opportunistic infections in AIDS	Service included in EPHS but not included in HBP	
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
First-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
First-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Management of complicated AIDS	Service included in EPHS but not included in HBP	
<b>Maternal Health</b>		
Deworming in pregnancy	Service included in EPHS matches service included in HBP	Deworming**
Routine postnatal care (healthy practices and illness detection)	Service included in EPHS matches service included in HBP	Postnatal services
Normal delivery by skilled attendant	Service included in EPHS matches service included in HBP	Childbirth services: Normal delivery (spontaneous vaginal delivery) by skilled attendant

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Detection and management of (pre)eclampsia (magnesium sulphate)	Service included in EPHS matches service included in HBP	Detection and management of pre-eclampsia using magnesium sulphate
Detection and management of (pre)eclampsia (magnesium sulphate)	Service included in EPHS matches service included in HBP	Eclampsia
Antenatal Care	Service included in HBP fits within a broader category of services included in EPHS	Antenatal care: Referral services with complications Antenatal care: At most 4 visits except in emergencies Antenatal care: Routine drugs to cover duration of pregnancy Antenatal care: Routine urine and blood tests Antenatal care: Pelvic & obstetric scan (at least twice if available)
Basic emergency obstetric care Comprehensive emergency obstetric care	Service included in HBP fits within a broader category of services included in EPHS	Basic and comprehensive emergency obstetric care: Blood transfusion services - screening, etc. Basic and comprehensive emergency obstetric care: Essential drugs for emergency obstetric care (EmOC) Management of postpartum hemorrhage Blood transfusion services - screening etc.** Caesarian section
Antibiotics for preterm/pre-labor rupture of membrane	Service included in EPHS fits within a broader category of services included in HBP	Management of puerperal sepsis
Antibiotics for preterm/pre-labor rupture of membrane	Service included in EPHS fits within a broader category of services included in HBP	Management of preterm/pre-labor rupture of membrane (P/PROM)
Artemisinin-based combination therapy for pregnant women	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/ infestations: Malaria
Intermittent preventive treatment for malaria in pregnancy	Service included in EPHS fits within a broader category of services included in HBP	Management of simple Infections/infestations: Malaria

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Prevention and treatment of iron deficiency anemia in pregnancy	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ mothers	Service included in EPHS but not included in HBP	
First-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
Detection and management of syphilis in pregnancy	Service included in EPHS but not included in HBP	
Antenatal steroids for preterm labor	Service included in EPHS but not included in HBP	
Clean delivery and cord care	Service included in EPHS but not included in HBP	
Initiation of breastfeeding within first hour and temp management	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for pregnant women	Service included in EPHS but not included in HBP	
Preventing mother-to-child transmission	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Operative management for ectopic gestation
	Service included in HBP but not included in EPHS	Management of intra-uterine fetal death
	Service included in HBP but not included in EPHS	High risk deliveries - 1st delivery, mal-positioning/mal-presentation, multiple deliveries, etc.
	Service included in HBP but not included in EPHS	Childbirth services: repair of birth injuries and episiotomy

\*\* Service is listed under "MNCH" in the HBP

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Newborn Health</b>		
Management of neonatal infections	Service included in EPHS matches service included in HBP	Management of neonatal infections
Universal extra community-based care of low body weight infants	Service included in EPHS fits within a broader category of services included in HBP	Newborn care and prompt referral
Exclusive breastfeeding for children 0-5 months		
Continued breastfeeding for children 6-11 months		
Adequate and safe complementary feeding		
Supplementary feeding for malnourished children		
Resuscitation of asphyctic newborns at birth		
Clinical management of neonatal jaundice		
Universal emergency neonatal care (asphyxia aftercare, management of serious infections, management of the very low body weight infant)	Service included in EPHS fits within a broader category of services included in HBP	Neonatal care (cord care, eye care, management of simple neonatal infections) for 12 weeks
Community based management of neonatal sepsis	Service included in EPHS fits within a broader category of services included in HBP	Neonatal care (cord care, eye care, management of simple neonatal infections) for 12 weeks
	Service included in HBP but not included in EPHS	Alpha fetoprotein
<b>Child Health (1-5 years)</b>		
Artemisinin-based combination therapy for children	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/ infestations: Malaria
Antibiotics for under-5 pneumonia	Service included in EPHS fits within a broader category of services included in HBP	Management of uncomplicated lower respiratory tract infection such as pneumonia*
Hib immunization	Service included in EPHS but not included in HBP	
Vitamin A - supplementation for children under 5	Service included in EPHS but not included in HBP	
Management of severely sick children CIMCI (clinical integrated management of childhood illness)	Service included in EPHS but not included in HBP	
BCG immunization	Service included in EPHS but not included in HBP	
Pentavalent (DPT-Hib-Hepatitis b) immunization	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Oral polio vaccine immunization	Service included in EPHS but not included in HBP	
DPT (Diphtheria, Pertussis, Tetanus) immunization	Service included in EPHS but not included in HBP	
Measles immunization	Service included in EPHS but not included in HBP	
Hepatitis B immunization	Service included in EPHS but not included in HBP	
Vitamin A - Treatment for measles	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for children under 5	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Mumps
<b>Other Communicable Diseases</b>		
Meningitis immunization	Service included in EPHS fits within a broader category of services included in HBP	Management of meningitis, septicaemia, etc.
Antibiotics for dysentery and enteric fevers	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/ infestations: Enteritis/typhoid fever Management of complicated typhoid fever, etc. Management of simple infections/ infestations: Gastroenteritis
Zinc for diarrhea management	Service included in EPHS fits within a broader category of services included in HBP	Management of simple infections/ infestations: Diarrheal diseases
Oral Rehydration Therapy (ORT)		
ORT for diarrhea management		
Tetanus immunization	Service included in EPHS but not included in HBP	
Yellow fever immunization	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Primary ear, nose, and throat infections

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Conjunctivitis
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Respiratory tract infections
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Helminthiasis
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Schistosomiasis
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Skin infections/infestations such as chicken pox, scabies, and fungal disease
	Service included in HBP but not included in EPHS	Treatment of moderate to severe infections and infestations
	Service included in HBP but not included in EPHS	Widal [test for typhoid]
<b>Drugs</b>		
	Service included in HBP but not included in EPHS	Consultation with general practitioners and prescribed drugs
<b>Non-communicable Diseases</b>		
	Service included in HBP but not included in EPHS	Management of simple infections/ infestations: Urinary tract infections
	Service included in HBP but not included in EPHS	Management of non-communicable diseases: screening and referral for cancers, diabetes, and hypertension
	Service included in HBP but not included in EPHS	Management of uncomplicated hypertension and diabetes
	Service included in HBP but not included in EPHS	Management of neurosis
	Service included in HBP but not included in EPHS	Management of sickle cell disease
	Service included in HBP but not included in EPHS	Allergic conditions
	Service included in HBP but not included in EPHS	Management of complicated diabetes and hypertension

Service listed in the EPHS		Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Other</b>			
<b>Other Public Health Interventions</b>	Household water treatment	Service included in EPHS but not included in HBP	
	Access to improved water source	Service included in EPHS but not included in HBP	
	Use of sanitary latrines	Service included in EPHS but not included in HBP	
	Hand washing with soap	Service included in EPHS but not included in HBP	
	Management of Severe Acute Malnutrition	Service included in EPHS but not included in HBP	
	Follow up Management of Severe Acute Malnutrition	Service included in EPHS but not included in HBP	
<b>Surgical Procedures</b>		Service included in HBP but not included in EPHS	Minor surgical procedures: incision & drainage, suturing of lacerations, minor burns, simple abrasions, etc.
		Service included in HBP but not included in EPHS	Management of minor injuries: Excision of lump
		Service included in HBP but not included in EPHS	Appendectomy
		Service included in HBP but not included in EPHS	Hernia repair
		Service included in HBP but not included in EPHS	Hydrocelectomy
		Service included in HBP but not included in EPHS	Management of fractures
<b>Other</b>	Detection and treatment of asymptomatic bacteriuria	Service included in EPHS but not included in HBP	
		Service included in HBP but not included in EPHS	Poisoning
		Service included in HBP but not included in EPHS	Other conditions as may be listed by NHIS from time to time
		Service included in HBP but not included in EPHS	Consultation and treatment by specialist such as surgeons, pediatricians, ophthalmologists, etc.
		Service included in HBP but not included in EPHS	Admission (maximum of fifteen days cumulative per year)
		Service included in HBP but not included in EPHS	Management of substance abuse
		Service included in HBP but not included in EPHS	Psychiatry, such as management of psychoses

	Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Dental Health		Service included in HBP but not included in EPHS	Health prevention and promotion: Dental care
		Service included in HBP but not included in EPHS	Primary dental care
		Service included in HBP but not included in EPHS	Amalgam filling
		Service included in HBP but not included in EPHS	Simple and surgical tooth extraction
Emergency Care	Other emergency acute care	Service included in HBP fits within a broader category of services included in EPHS	Accidents and emergency
			Emergency cases outside place of residence
			Management of emergencies such as accidents, severe asthmatic attack, severe shock, moderate to severe poisoning, etc.
			Management of simple infections/ infestations: snake and scorpion bites
Diagnostic Services		Service included in HBP but not included in EPHS	Metabolic panel (MP)
		Service included in HBP but not included in EPHS	Random blood sugar (RBS)
		Service included in HBP but not included in EPHS	Urinalysis
		Service included in HBP but not included in EPHS	Urine/stool microscopy
		Service included in HBP but not included in EPHS	Genotype
		Service included in HBP but not included in EPHS	Lumbar puncture
		Service included in HBP but not included in EPHS	Urea/electrolyte/creatinine
		Service included in HBP but not included in EPHS	Bilirubin (total and conjugated)
		Service included in HBP but not included in EPHS	Ketone bodies
		Service included in HBP but not included in EPHS	Urine m/c/s (microscopy, culture, and sensitivity)

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Diagnostic Services	Service included in HBP but not included in EPHS	Occult blood in stool
	Service included in HBP but not included in EPHS	Sputum m/c/s
	Service included in HBP but not included in EPHS	Urethral/wound m/c/s
	Service included in HBP but not included in EPHS	Blood m/c/s
	Service included in HBP but not included in EPHS	Ear/eye/throat swab m/c/s
	Service included in HBP but not included in EPHS	Aspirate pus m/c/s
	Service included in HBP but not included in EPHS	HVS m/c/s
	Service included in HBP but not included in EPHS	Skin snip for microfilaria
	Service included in HBP but not included in EPHS	Acid-fast bacillus (AFB) for TB

**TABLE 6: ARAYA HEALTH INSURANCE SCHEME CROSSWALK ANALYSIS**

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Family Planning and Reproductive Health</b>		
Family Planning	Service included in EPHS matches service included in HBP	Family planning
Detection and management of sexually transmitted infections (STIs)	Service included in EPHS matches service included in HBP	Management of common ailments e.g. sexually transmitted infections
	Service included in HBP but not included in EPHS	Pregnancy test
Detection and management of syphilis in pregnancy	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g. sexually transmitted infections
<b>Malaria</b>		
Management of complicated malaria (2nd line drug)	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g. malaria
Intermittent preventive treatment for malaria in pregnancy		
Insecticide treated mosquito Nets for pregnant women	Service included in EPHS but not included in HBP	
Insecticide Treated Mosquito Nets for children under 5	Service included in EPHS but not included in HBP	
Artemisinin-based combination therapy for children	Service included in EPHS but not included in HBP	
Artemisinin-based combination therapy for pregnant women	Service included in EPHS but not included in HBP	
Artemisinin-based combination therapy for adults	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Diagnostic tests that include malaria parasite
<b>Tuberculosis</b>		
BCG immunization	Service included in EPHS fits within a broader category of services included in HBP	Routine immunization
Re-treatment of TB patients	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g., tuberculosis
Management of multidrug resistant TB	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g., tuberculosis

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
TB case detection and treatment with directly observed treatment, short-course (DOTS)	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	AFB (acid-fast bacilli) for tuberculosis diagnosis
<b>HIV/AIDS</b>		
Preventing mother-to-child transmission	Service included in EPHS matches service included in HBP	Prevention of mother-to-child transmission (PMTCT)
Provider initiated testing and counseling	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ mothers	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for HIV+ adults	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
Management of opportunistic infections in AIDS	Service included in EPHS but not included in HBP	
Male circumcision	Service included in EPHS but not included in HBP	
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
First-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
First-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for pregnant women with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for adults with AIDS	Service included in EPHS but not included in HBP	
Management of complicated AIDS	Service included in EPHS but not included in HBP	
Condoms for HIV prevention	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Maternal Health</b>		
Routine postnatal care (healthy practices and illness detection)	Service included in EPHS matches service included in HBP	Postnatal care
Preventing mother-to-child transmission	Service included in EPHS matches service included in HBP	Prevention of mother-to-child transmission (PMTCT)
Antenatal Care	Service included in EPHS matches service included in HBP	Antenatal care
Normal delivery by skilled attendant	Service included in EPHS matches service included in HBP	Normal delivery
Basic emergency obstetric care	Service included in EPHS matches service included in HBP	Emergency obstetric care
Comprehensive emergency obstetric care		Antenatal booking Ultrasound scan for pregnant women Antenatal booking
Comprehensive emergency obstetric care	Service included in HBP fits within a broader category of services included in EPHS	Referral and coverage for caesarean sections
Deworming in pregnancy	Service included in EPHS fits within a broader category of services included in HBP	Antenatal care
Prevention and treatment of iron deficiency anemia in pregnancy		
Antenatal steroids for preterm labor		
Cotrimoxazole prophylaxis for HIV+ mothers		
First-line ART for pregnant women with HIV/AIDS		
Second-line ART for pregnant women with HIV/AIDS		
Intermittent preventive treatment for malaria in pregnancy	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g. malaria
Artemisinin-based combination therapy for pregnant women	Service included in EPHS fits within a broader category of services included in HBP	Emergency obstetric care
Antibiotics for Preterm/Pre-labor rupture of membrane		
Detection and management of (pre)eclampsia (Magnesium sulphate)		

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Detection and management of syphilis in pregnancy	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g. sexually transmitted infections
Clean delivery and cord care	Service included in EPHS fits within a broader category of services included in HBP	Postnatal care
Initiation of breastfeeding within first hour and temp management	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for pregnant women	Service included in EPHS but not included in HBP	
<b>Newborn Health</b>		
Universal extra community-based care of low body weight infants	Service included in EPHS but not included in HBP	
Exclusive breastfeeding for children 0 - 5 months	Service included in EPHS but not included in HBP	
Continued breastfeeding for children 6 -11 months	Service included in EPHS but not included in HBP	
Adequate and safe complementary feeding	Service included in EPHS but not included in HBP	
Supplementary feeding for malnourished children	Service included in EPHS but not included in HBP	
Community based management of neonatal sepsis	Service included in EPHS but not included in HBP	
Resuscitation of asphyctic newborns at birth	Service included in EPHS but not included in HBP	
Management of neonatal infections	Service included in EPHS but not included in HBP	
Clinical management of neonatal jaundice	Service included in EPHS but not included in HBP	
Universal emergency neonatal care (asphyxia aftercare, management of serious infections, management of the very low body weight infant)	Service included in EPHS but not included in HBP	

Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Child Health (1-5 years)</b>		
Management of severely sick children CIMCI (Clinical Integrated management of childhood illness)	Service included in EPHS matches service included in HBP	Integrated management of childhood illnesses
Hib immunization	Service included in EPHS fits within a broader category of services included in HBP	Routine immunization
BCG immunization*		
Pentavalent (DPT-Hib-Hepatitis b) immunization		
Oral polio vaccine immunization		
DPT (Diphtheria, Pertussis, Tetanus) immunization		
Measles immunization		
Hepatitis B immunization		
Artemisinin-based combination therapy for children	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g., malaria
Zinc for diarrhea management*	Service included in EPHS fits within a broader category of services included in HBP	Treatment of diarrheal diseases in children
Oral Rehydration Therapy (ORT)*		
ORT for diarrhea management*		
Vitamin A - Treatment for measles	Service included in EPHS but not included in HBP	
Antibiotics for under-5 pneumonia	Service included in EPHS but not included in HBP	
Insecticide-treated mosquito nets for children under 5	Service included in EPHS but not included in HBP	
Cotrimoxazole prophylaxis for children of HIV+ mothers	Service included in EPHS but not included in HBP	
First-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Second-line ART for children with HIV/AIDS	Service included in EPHS but not included in HBP	
Vitamin A - supplementation for U5	Service included in EPHS but not included in HBP	
	Service included in HBP but not included in EPHS	Growth monitoring
	Service included in HBP but not included in EPHS	Nutrition services

\*This EPHS service is not specifically listed as a children's health in the EPHS, but corresponds with the HBP service provided in this scheme

Service listed in the EPHS		Degree of alignment between EPHS and HBP	Service listed in the HBP
<b>Other Communicable Diseases</b>			
Zinc for diarrhea management	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g. diarrheal diseases	
Oral Rehydration Therapy (ORT)			
ORT for diarrhea management			
Antibiotics for dysentery and enteric fevers	Service included in EPHS fits within a broader category of services included in HBP	Management of common ailments e.g., typhoid fever	
Tetanus immunization	Service included in EPHS but not included in HBP		
Yellow fever immunization	Service included in EPHS but not included in HBP		
Meningitis immunization	Service included in EPHS but not included in HBP		
	Service included in HBP but not included in EPHS	Management of common ailments e.g., upper & lower	
<b>Drugs</b>			
No data		No data	
<b>Non-communicable Diseases</b>			
	Service included in HBP but not included in EPHS	Management of non-communicable diseases including uncomplicated hypertension and diabetes	
<b>Other</b>			
<b>Other Public Health Interventions</b>	Household water treatment	Service included in EPHS but not included in HBP	
	Access to improved water source	Service included in EPHS but not included in HBP	
	Use of sanitary latrines	Service included in EPHS but not included in HBP	
	Hand washing with soap	Service included in EPHS but not included in HBP	
	Management of severe acute malnutrition	Service included in EPHS but not included in HBP	
	Follow up management of severe acute malnutrition	Service included in EPHS but not included in HBP	
		Service included in HBP but not included in EPHS	Health education and promotion
		Service included in HBP but not included in EPHS	Disease surveillance

	Service listed in the EPHS	Degree of alignment between EPHS and HBP	Service listed in the HBP
Surgical Procedures		Service included in HBP but not included in EPHS	Surgeries (appendectomy and herniorrhaphy)
	Detection and treatment of asymptomatic bacteriuria	Service included in EPHS but not included in HBP	
Other		Service included in HBP but not included in EPHS	Consultation
Dental Health		Service included in HBP but not included in EPHS	Preventative oral care
Emergency Care	Other emergency acute care	Service included in HBP fits within a broader category of services included in EPHS	Medical emergencies
	Other emergency acute care	Service included in HBP fits within a broader category of services included in EPHS	Accident and emergency
Diagnostic Services		Service included in HBP but not included in EPHS	PCV
		Service included in HBP but not included in EPHS	Urinalysis
		Service included in HBP but not included in EPHS	Blood sugar
		Service included in HBP but not included in EPHS	Full blood count



#### About HFG:

A flagship project of USAID's Office of Health Systems, the Health Finance and Governance (HFG) project supports its partners in low- and middle-income countries to strengthen the health finance and governance functions of their health systems, expanding access to life-saving health services. The HFG project is a six-year (2012-2018), \$209 million global health project. The project builds on the achievements of the Health Systems 20/20 project. To learn more, please visit [www.hfgproject.org](http://www.hfgproject.org).

The HFG project is led by Abt Associates in collaboration with Avenir Health, Broad Branch Associates, Development Alternatives Inc., Johns Hopkins Bloomberg School of Public Health, Results for Development Institute, RTI International, and Training Resources Group, Inc.

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The author's views expressed here do not necessarily reflect the views of the U.S. Agency for International Development or the U.S. Government.

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## Endnote

\*Several of the EPHS services listed here are not specifically listed as children's health in the EPHS, but they correspond with the HBP service provided in this scheme

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