Funding of key services for HIV, viral hepatitis and sexually transmitted infections for selected countries in the Western Pacific Region



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# CONTENTS

Overview	1
Country profiles	9
Australia	
Cambodia	
China	
Fiji	
Japan	
Lao People's Democratic Republic	
Malaysia	
Mongolia	
Papua New Guinea	
Philippines	
Singapore	
Viet Nam	

## **ABBREVIATIONS**

- ANC antenatal care
- **ART** antiretroviral therapy
- DAA direct-acting antiviral
- **FSW** female sex workers
- HBV hepatitis B virus
- HCV hepatitis C virus
- MSM men who have sex with men
- NSP needle and syringe programme
- OOP out of pocket
- **OST** opioid substitution therapy and other drug dependence treatment
- PEP post-exposure prophylaxis
- **PEPFAR** President's Emergency Plan for AIDS Relief
- **PLHIV** people living with HIV
- **PMTCT** prevention of mother-to-child transmission
- **PrEP** pre-exposure prophylaxis
- **PWID** people who inject drugs
- STI sexually transmitted infection

# **Overview**

This publication provides an overview of the health benefits package for HIV, viral hepatitis (hepatitis B and C) and sexually transmitted infections (STIs) in selected countries of the Western Pacific Region. Included in this review are 12 countries: Australia, Cambodia, China, Fiji, Japan, the Lao People's Democratic Republic, Malaysia, Mongolia, Papua New Guinea, the Philippines, Singapore and Viet Nam. These countries represent a variety of economic strengths, population sizes, health financing and delivery systems, and severity of the specific disease response across the Region. Several countries, such as Australia, Japan, New Zealand and Singapore, have mature health systems in place that put them in the forefront of the Region's aspiration of achieving universal health coverage (UHC), while other countries are currently transitioning towards attainment of UHC through the expansion of population coverage, as well as provision of safe and quality health-care services.

Countries in the Western Pacific Region have made considerable progress in preventing and controlling HIV, viral hepatitis and STIs. For HIV, Member States have made substantial progress in scaling up access to HIV prevention, diagnosis, treatment and care services. In 2017, out of the 1.5 million people living with HIV (PLHIV) in the Region, 62% are currently on antiretroviral therapy (ART) – a 7% increase from the previous year. New HIV infections have dropped from 120 000 in 2000 to 97 000 in 2016 and, despite the surge of new infections in some countries, the overall prevalence in the Region among adults has remained at 0.1% (1). For viral hepatitis, progress made is evidenced by the achievement of several targets, from reaching the goal of 1% prevalence of hepatitis B surface antigen (HBsAg) among 5-year-olds to averting 7 million hepatitis B-related deaths since 1990 through childhood immunization (2). For STIs, regional prevalence estimates for chlamydia, gonorrhoea, syphilis and trichomoniasis have all decreased between 2005 and 2012 (3).

Despite this progress, a number of challenges remain on the path to ending the HIV epidemic and the high burden of viral hepatitis and STIs in the Region. For HIV, despite the continuous increase of access to treatment for PLHIV to 2017 compared with the previous years (1), it is still far from the 90-90-90 target<sup>1</sup> towards ending the AIDS epidemic by 2030. For viral hepatitis, up to one third of individuals infected with hepatitis B and C virus end up with cirrhosis of the liver or other complications of chronic infection. The aim of the *Regional Action Plan for Viral Hepatitis in the Western* 

*Pacific 2016–2020* is to diagnose 28 million and treat 5 million hepatitis B patients and diagnose 5 million and treat 1 million hepatitis C patients. For STIs, the Region bears the highest burden among all six WHO regions with 142 million cases of the four curable STIs – chlamydia, gonorrhoea, syphilis and trichomoniasis. Several countries are reporting an increase of syphilis cases among key populations, apart from the continuous increase in gonococcal antimicrobial resistance seen in the Region (4).

Furthermore, several countries in the Region are experiencing reductions in available external funding from global health initiatives due to rapid economic development, the result of country-specific graduation from low-income to lower-middle-income status. Further, as socioeconomic conditions improve, citizens demand more and better quality of services and financial protection. These challenges have resulted in a need for transition to domestic financing for health, where publicly funded health insurance, together with tax-based financing systems and leveraging sources from non-state actors for health, is expected to play a more significant role.

Countries such as China, Malaysia and the Philippines have been able to successfully decrease their reliance on external funding and now mainly fund their HIV-related activities through domestic funding. However, several lower-middle-income countries in the Region, such as Cambodia and the Lao People's Democratic Republic, still depend heavily on international support in financing their activities, despite the increase in domestic spending in recent years.

UHC is defined as all people receiving quality health services that meet their needs without being exposed to financial hardship in paying for services. To achieve UHC, countries must advance in expanding priority services to include more people and reduce out-of-pocket payments through cost sharing and fees (Fig. 1). A country's health benefits package is a key instrument for steering the health system towards achieving UHC. Decisions about priority services to be included for a defined target population must take into account information on cost-effectiveness, impact on financial protection and equity in access across a population. Ensuring effective delivery of benefits also requires coordination with policies on revenue raising, pooling, purchasing and service delivery.

<sup>&</sup>lt;sup>1</sup> 90% of people living with HIV diagnosed, 90% of those diagnosed receive treatment, and 90% of those on treatment are virally suppressed

#### Fig. 1 Towards universal health coverage



#### Source: World Health Organization (6)

How revenues are raised and pooled as well as how services are purchased and delivered are intricately linked to health financing mechanisms. These come in different forms in different contexts. Two of the most important prepaid financing mechanisms are funds from general government revenues, mainly through taxation, and social health insurance. There are fundamental differences between the two systems, mainly in how revenues are raised, how funds are pooled and how these funds are used for service delivery in health. More recently, the dichotomy between these two mechanisms is being blurred due to significant budget transfers from national and local coffers to social health insurance schemes in support of extending coverage of the population and expansion of services. In all of the selected countries

in the Region, tax-based financing mechanisms still play a major role, while seven countries also have social health insurance systems in place at different levels of maturity (Table 1).

# Table 1 Health financing mechanisms in selected countries in the Western Pacific Region

Country	Tax-based	Social health insurance*
Australia	•	
Cambodia	•	
China	•	•
Fiji	•	
Japan	•	•
Lao People's Democratic Republic	•	•
Malaysia	•	
Mongolia	•	•
Papua New Guinea	•	
Philippines	•	•
Singapore	•	•
Viet Nam	•	•

\* Social health insurance is defined as a means of financing involving a defined contribution (premium) linked to a defined package of benefits for a specific period of time (5). This typically starts within the formal sector, where contribution is compulsory and shared between employer and employee, then gradually expanded to other sections of the population.

All countries, regardless of income level, face difficult decisions on what to include in a publicly funded benefits package for health. Such decisions will always result in trade-offs between benefits coverage, namely who will be covered and which services will be prioritized, and the level of cost-sharing for patients, which determines the financial protection aspect by establishing how much patients should pay out of pocket (Fig. 1). The services available, as well as the corresponding level of costsharing for HIV, hepatitis B and C, and STI patients in a particularly country, are a result of a priority-setting process. The severity of a disease, equity, efficiency, economic burden to patients, effectiveness and financial sustainability are some of the criteria used in this process. Table 2 User fees for HIV-related services in selected countries

	Services	Australia	Cambodia	China	Fiji	Japan	Lao People's Democratic Republic	Malaysia	Mongolia	Papua New Guinea	Philippines	Singapore	Viet Nam
	Blood safety programmes												
E	Harm reduction for PWID*												
Prevention	Prevention of mother-to-child transmission												
Prev	Pre-exposure prophylaxis												
	Post-exposure prophylaxis												
	Condom use programme												
Diagnosis	Screening and confirmation test												
are	Drugs												
freatment and care	Laboratory tests												
enta	Outpatient care												
atm	Inpatient care												
Tre	Management of co-morbidities												
substitut	harm reduction programmes for people who inje ion therapy) that are provided for free or partially on their own and bear the full cost.											n	
Services are free of fees/co-payments Services can be available in the country but full cost borne by patients									but				

For HIV-related services, almost all of the selected countries in the review have the essential set of services in place that are funded publicly, with varying levels of cost-sharing across countries. As used throughout the following country profiles, Table 2 illustrates the user fees involved in each type of HIV-related services available publicly, where light blue represents the services that are free of charge, light blue with diagonal lines when a service involves fixed or percentage co-payments, and dark blue when a service may be available but is not yet covered by a national programme supported by government/external funding or through social health insurance. For prevention services, harm reduction programmes for people who inject drugs (PWIDs), such as needle syringe programmes and opioid substitution therapy, are not always established in countries. Pre-exposure prophylaxis (PEP) is still being piloted in few small settings, and post-exposure prophylaxis (PEP) is still mainly available for health-care workers only. Free access to ART is commonplace in almost all countries and made possible through assistance from external funding and subsequent commitment by national governments. Despite the zero to minimal cost-sharing policies in place for ART in most countries, the coverage for PLHIV across the Region varies significantly (7) (Fig. 2).

### Fig. 2 PLHIV receiving ART by country (2017)



<sup>\*</sup> China Global AIDS Monitoring (GAM) report \*\* WHO estimates Source: UNAIDS (7)

For services related to hepatitis B and C, most countries have a basic benefits package in place. Cambodia, Fiji, the Lao People's Democratic Republic and the Philippines have no national treatment programmes in place (Table 3). As the most effective preventive measure, hepatitis B vaccination across the Western Pacific Region has

Table 3 User fees for services related to hepatitis B and C in selected countries

	Services	Australia	Cambodia	China	Fiji	Japan	Lao People's Democratic Republic	Malaysia*	Mongolia	Papua New Guinea	Philippines	Singapore	Viet Nam
_	Blood safety programmes												
Prevention	Vaccination programme (hepatitis B)												
reve	Post-exposure prophylaxis												
4	Antenatal screening and antivirals for HBV												
Diagnosis	Screening and confirmation test												
ent	Drugs												
atme	Laboratory tests												
d tre	Outpatient care												
Care and treatment	Inpatient care												
Car	Management of co-morbidities												
* Antenata	screening and antivirals for hepatitis B virus in N	lalays	ia are	offer	ed in	Saba	h only	v: pilo	ts bei	na de	velor	bed in	9777777

four other states.

Services are free of

Services with fixed or percentage user fees/co-payments

Services can be available in the country but full cost borne by patients

averted 7 million deaths (2) that would have occurred among children born between 1990 and 2014. Hepatitis B vaccination is a part of all countries' national immunization programmes, and in general is free of charge. The immunization coverage for hepatitis B among children is shown in Fig. 3 (8).



#### Fig. 3 Hepatitis B vaccine coverage in selected countries (2017)

charge

While access to generic medicines for hepatitis B and C in a country is determined by several factors such as patent status and regulatory barriers, there is a huge variation in reimbursement policies for hepatitis B and C medicines among the selected countries. Only six out of 12 selected countries have reimbursement policies in place and eligibility varied from only specific groups to universal access (9) (Table 4). Among the selected countries, Australia, Japan, Malaysia and Singapore have extensive coverage for hepatitis B and C medicines, including the direct-acting antivirals (DAAs), with fixed co-payments and exemption rules according to different criteria, such as age and income level.

#### Table 4 Access and coverage for hepatitis B and C medicines

Country		bility of nedicines	Medicines covered by government or social health insurance				
	HBV	HCV	HBV	HCV			
Australia	•		•	•			
Cambodia	•	•					
China	•		•	●a			
Fiji	•	•					
Japan	•		•	•			
Lao People's Democratic Republic	•	•	•				
Malaysia	•	•	•	•			
Mongolia	•	•	•	•			
Papua New Guinea	•						
Philippines	•	•					
Singapore			•	•			
Viet Nam	•	•	•	•			

HBV: hepatitis B virus, HCV: hepatitis C virus

<sup>a</sup> in some provinces and cities

STI prevention and control has widespread public health benefits, mainly through decreasing the risk of HIV transmission during unprotected sexual contact and preventing other complications (10). The majority of the countries included in the study have some form of prevention and control programmes in place (Table 5), some of which intersect with services associated with HIV prevention and treatment, such as prevention of mother-to-child transmission (PMTCT) (Fig. 4) and condom use programmes. As there are various forms of STIs, the benefits package review mainly focuses on chlamydia, gonorrhoea and syphilis.

### Table 5 User fees for STI-related services in selected countries



#### Fig. 4 Treatment coverage for HIV and syphilis among pregnant women



\* 2018 China GAM report Sources: UNAIDS (7) and World Health Organization (10) As reflected in the illustrations above and on the succeeding pages, the benefits packages for HIV, viral hepatitis and STIs across the selected countries in the Region have both similarities and differences. For HIV services, a lot of the prevention and screening measures are being done with simultaneous efforts to ramp up the access of PLHIV to ART. Almost all countries, particularly those who belong to the middle-income category, have free access to ARTs made possible through commitments made by the national government and substantial support from external funding. For viral hepatitis, only a few countries have a comprehensive range of services in place and much of the prevention efforts (hepatitis B) are done through vaccination, also made possible with support from external funding for several countries. For STIs, financing has always been under the responsibility of the national government, with a few exceptions, such as syphilis testing and treatment for pregnant women, which may be supported by external funding.

Each country profile is summarized in one table with each column grouped according to disease, illustrating the types of services available across public and private providers, as well as the level of user fees involved when accessing these services at public facilities. The level of user fees is illustrated using a colour coding scheme, where light blue represents the services that are free of charge, light blue with diagonal lines when a service is not covered in full and may involve fixed or percentage co-payments, and dark blue when a service may be available but is not yet covered by a national health programme or through social health insurance. The notes column also provides detail on whether these

services are covered by social health insurance as well as other details on user fees that cannot be captured by the colour coding scheme. The rows on the table represent the broad categories of services for each disease, grouped as prevention, diagnosis and care/treatment services. The data are compiled from different sources, including official documents and publications by countries, as well as existing WHO publications, and are substantiated and confirmed by selected ministries of health and WHO country offices.

Several considerations need to be taken into account with the country profiles. Careful interpretation is important as the colour coding scheme does not give an accurate representation of the level of financial protection in each country. Several services may be free of charge but have access issues due to the inaccessibility of health facilities or the inadequate quality of health-care workers. Similarly, several services are currently free of charge but are still heavily reliant on external funding and may have issues later on with sustainability. In countries where services typically involve co-payments, the user fees may only be minimal vis-à-vis the gross domestic product (GDP) per capita in the country. Furthermore, other financial protection schemes may exist that can provide additional support in the form of exemptions and a ceiling on co-payments according to income and age. Lastly, some countries that require co-payments may offer more comprehensive services than others that do not require any user fees. These are just several examples of the granularity of the benefit packages that are not fully reflected in each profile, therefore requiring careful interpretation of the data.

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# **Country profiles**

# Australia



## I. Select country data

Country Statistics <sup>a</sup>							
Population, in millions (2016)	24.1						
GDP per capita, in current US\$ (2016)	49 755						
Income level	High income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	9.4%						
Life expectancy (2016)	83 years						

Select SDG indicators									
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	100							
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	1.1							
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	>80.0							
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	157.2							

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing







	HIV (2017) <sup>a</sup>			Hepatiti	s B and	C (2015) <sup>b</sup>	STI (2016) <sup>c</sup>			
	People living with HIV		26 000	General population hepatitis B su	Irface antig	en (HBsAg) prevalence (%) 0.9	Syphilis prevalence for female sex	6)	N/A	
	Prevalence of HIV among adults a	ged 15—49	(%) 0.1	General population hepatitis C RN	IA viral load	prevalence (HCV RNA) (%) 0.8	Syphilis prevalence for men who	nave sex wit	th men (%)	N/A
	New HIV infections		1000	Deaths due to acute hepatitis		64	Antenatal care attendees tested for	or syphilis (	%)	N/A
	AIDS-related deaths		<200	Deaths due to chronic hepatitis		1742	Infected antenatal care attendees	treated (%	i (%)	
	Treatment coverage among peopl	e living witl	n HIV (%) 82							
		HIV		Нера	atitis B a	and C		STI	· · ·	
	Services	Services User Fees <sup>d</sup> Notes		Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	
	Blood safety programme			Blood safety programme		Co-payments are charged in hospitals	PMTCT (syphilis)		Co-payments are charged hospitals	d at
E	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)			Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme			
Prevention	Prevention of mother-to-child transmission (PMTCT)		Small fixed co-payments	Post-exposure prophylaxis (PEP)		Co-payments are charged in hospitals				
Pre	Pre-exposure prophylaxis (PrEP)		Small fixed co-payments	Antenatal screening and antiviral for HBV		Co-payments are charged in hospitals				
	Post-exposure prophylaxis (PEP)		Small fixed co-payments: \$A 22.40 for 4 weeks supply							
	Condom use programme									
iagnosis	Screening and confirmatory test			Screening and other serological markers		Free of charge at sexual health clinics	Screening and confirmatory test			
d care	Drugs		Small fixed co-payments: \$A 6.30–38.30 per prescription	Drugs		Covers both hepatitis B and C, including direct-acting antivirals. Small fixed co-payments: \$A 40 per prescription	Drugs		Free of charge at sexual h clinics	iealth
Ireatment and care	Laboratory tests			Laboratory tests		Co-payments are charged in hospitals	Laboratory test		Co-payments are charged hospitals	d at
Treatn	Management of co-morbidities		Co-payments are charged in hospitals	Management of co-morbidities		Co-payments are charged in hospitals	Outpatient/Inpatient care		Co-payments are charged hospitals	d at
	Outpatient/Inpatient care		Co-payments are charged in hospitals	Outpatient/Inpatient care		Co-payments are charged in hospitals				
	Se	ervices are fre	e of charge	Services with fixed o fees/co-payments	or percentage		vices can be available in the country bu borne by patients	ıt full		
UNAIDS global data <sup>c</sup> Report on global sexually transmitted infection surveillance, World Health <sup>d</sup> User fees for services availed at public providers and other contracted private Global health estimates, World Health Organization (2015) Organization (2015) providers										

# Cambodia

## I. Select country data

Country Statistics <sup>a</sup>								
Population, in millions (2016)	15.7							
GDP per capita, in current US\$ (2016)	1269							
Income level	Low middle income							
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	5.9%							
Life expectancy (2016)	69 years							

Select SDG indicators									
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	26.1							
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	4.8							
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	55.4							
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	11.2							

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing





## AMA

	HIV (2017)ª			Hepatitis	C (2015) <sup>®</sup>	STI (most recent) <sup>c</sup>					
	People living with HIV 67 000			General population hepatitis B sur	en (HBsAg) prevalence (%) 4.1	Syphilis prevalence for female sex	workers (%	b) (2016)	0		
	Prevalence of HIV among adults aged 15–49 (%) 0.5			General population hepatitis C RN	A viral load	prevalence (HCV RNA) (%) <b>1.6</b>	6 Syphilis prevalence for men who have sex with men (%) (2012)				
	New HIV infections			Deaths due to acute hepatitis		160	Antenatal care attendees tested for	or syphilis (9	%) (2016)	54.9	
	AIDS-related deaths		1300	Deaths due to chronic hepatitis		2205	Infected antenatal care attendees	treated (%)	) (2016)	9	
	Treatment coverage among peopl	e living wit	n HIV (%) 87								
	5 51 1	HIV		Hen	atitis B a	and C		STI	· · · · · · · · · · · · · · · · · · ·		
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes		
	Blood safety programme			Blood safety programme			PMTCT (syphilis)		Nominal user fees with exemptions		
	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		Provided by local and international NGOs	Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme				
Prevention	Prevention of mother-to-child transmission (PMTCT)		Small fixed co-payments Supported by Global Fund (HIV testing, antiretroviral therapy, early infant diagnosis)	Post-exposure prophylaxis (PEP)		No current programme					
Pr	Pre-exposure prophylaxis (PrEP)		No current programme	Antenatal screening and antiviral for HBV		No current programme					
	Post-exposure prophylaxis (PEP)		Available for victims of sexual violence and accidental occupational exposure								
	Condom use programme		Supported by Global Fund (Condom procurement)								
				Screening and other serological							
ignosis	Screening and confirmatory test		Supported by Global Fund	markers		No current programme	Screening and confirmatory test		Nominal user fees with exemptions		
	Screening and confirmatory test Drugs		Supported by Global Fund Antiretroviral drugs supported by Global Fund			No current programme No current programme	Screening and confirmatory test Drugs				
<u> </u>			Antiretroviral drugs supported	markers			· · ·		exemptions Nominal user fees with		
Treatment and care sisou	Drugs		Antiretroviral drugs supported by Global Fund Supported by external funding. Free of charge only for CD4 and	markers Drugs		No current programme Fees fixed by each hospital or	Drugs		exemptions Nominal user fees with exemptions Nominal user fees with		
	Drugs Laboratory tests Management of		Antiretroviral drugs supported by Global Fund Supported by external funding. Free of charge only for CD4 and Viral load testing Supported by external funding. Free of charge for TB and other selected opportunistic infections	markers Drugs Laboratory tests Management of		No current programme Fees fixed by each hospital or provider with exemptions Fees fixed by each hospital or	Drugs Laboratory test		exemptions Nominal user fees with exemptions Nominal user fees with exemptions		

# China

## I. Select country data

Country Statistics <sup>a</sup>								
Population, in millions (2016)	1378							
GDP per capita, in current US\$ (2016)	8123							
Income level	Upper middle income							
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	5.3%							
Life expectancy (2016)	76 years							

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	96.9						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	4.8						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	76.4						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	31.5						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing







**\***]: -

	HIV (2016)ª		Hepatit	is B and	С (2015) <sup>ь</sup>	STI	(most re	cent) <sup>c</sup>		
	Prevalence of HIV among total population (%) <sup>e</sup> 0.09     0       New HIV infections <sup>e</sup> 80 000     E       AIDS-related deaths     N/A     E			General population hepatitis C RNA viral load prevalence (HCV RNA) (%) 0.7 Deaths due to acute hepatitis 8877		Syphilis prevalence for female sex workers (%) (2015)         Syphilis prevalence for men who have sex with men (%) (2015)         Antenatal care attendees tested for syphilis (%) (2016)         Infected antenatal care attendees treated (%) (2016)			2.2 5.3 19.4 76.5	
	their status (%) <sup>f</sup>	_	80.4							
		HIV User			atitis B User			STI User		
	Services	Feesd	<b>Notes</b>	Services	Feesd	<b>Notes</b>	Services	Fees <sup>d</sup>	Notes	
	Blood safety programme		Policy is free of charge but most hospitals may charge for a fee on transfusion.	Blood safety programme		Policy is free of charge but most hospitals may charge for a fee on transfusion.	PMTCT (syphilis)			
_	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		User fees for testing clinics and small fee for drugs	Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme			
Prevention	Prevention of mother-to-child transmission (PMTCT)		Policy is free of charge but hospitals may charge user fees for other test and drugs beyond the PMTCT essential package.	Post-exposure prophylaxis (PEP)		Covered by social health insurance with flat/percentage co-payments				
	Pre-exposure prophylaxis (PrEP)		Currently available in pilot/ research settings	Antenatal screening and antiviral for HBV		Part of antenatal care services, funded by government				
	Post-exposure prophylaxis (PEP)		Currently available in pilot/ research settings							
	Condom use programme		Currently available in pilot/ research settings							
iagnosis	Screening and confirmatory test			Screening and other serological markers		Covered by social health insurance with flat/percentage co-payments	Screening and confirmatory test		Covered by social health insurance with flat/percen co-payments	tag
care	Drugs		Seven antiretroviral drugs included in the national antiretroviral therapy programme are free of charge	Drugs			Drugs		Covered by social health	
it and o	Laboratory tests		Not all tests are free of charge	Laboratory tests		Covered by social health insurance with flat/percentage co-payments.	Laboratory test		insurance with flat/percen co-payments	tag
Treatment and care	Management of co-morbidities		Co-payments for co-morbidities covered by social health insurance	Management of co-morbidities		Hepatitis C drugs covered in some provinces and cities.	Outpatient/Inpatient care			
F	Outpatient/Inpatient care		Co-payments for other HIV related services covered by social health insurance	Outpatient/Inpatient care						
	Se	ervices are fre	e of charge	Services with fixed of fees/co-payments	or percenta <u>c</u>		es can be available in the country b orne by patients	ut full		
NAIDS glob lobal healt	al data h estimates, World Health Organizat	tion (2015)	<sup>c</sup> Report on global sexually tra surveillance, World Health O			es for services availed at public provide ted private providers	rs and other <sup>e</sup> National Hea <sup>f</sup> 2018 China C		ion 2018	

## I. Select country data

Country Statistics <sup>a</sup>							
Population, in millions (2016)	.90						
GDP per capita, in current US\$ (2016)	5153						
Income level	Upper middle income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	3.6%						
Life expectancy (2016)	70 years						

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	100						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	0.2						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	65.8						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	27.3						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing



▓



5 5	ed 15–49 (	730		rface antige	n (HBsAg) prevalence (%) <b>1.8</b>	Syphilis prevalence for female sex	workers (%	) (2012)	28
5 5	ed 15–49 (			General population hepatitis B surface antigen (HBsAg) prevalence (%) <b>1.8</b>			8 Syphilis prevalence for female sex workers (%) (2012)		
UIV infactions	Prevalence of HIV among adults aged 15–49 (%) 0.1			General population hepatitis C RNA viral load prevalence (HCV RNA) (%) 0.1				h men (%) (2012)	26
New HIV infections 100			Deaths due to acute hepatitis		6	Antenatal care attendees tested for	or syphilis (%	6) (2014)	1(
5-related deaths		18	Deaths due to chronic hepatitis		73	Infected antenatal care attendees	treated (%)		N
Treatment coverage among people living with HIV (%) 32									
	HIV		Нера	atitis B a	nd C		STI		
Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	
d safety programme			Blood safety programme			PMTCT (syphilis)			
n reduction programmes WID (needle syringe rammes and opioid titution therapy)		No current programme	Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme			
ntion of mother-to-child mission (PMTCT)			Post-exposure prophylaxis (PEP)		No current programme				
exposure prophylaxis (PrEP)		No current programme	Antenatal screening and antiviral for HBV		Part of antenatal care services				
-exposure prophylaxis (PEP)		Available for victims of sexual violence and accidental occupational exposure							
dom use programme									
ening and confirmatory test			Screening and other serological markers			Screening and confirmatory test			
75			Drugs		No current programme	Drugs			
pratory tests			Laboratory tests			Laboratory test			
agement of norbidities			Management of co-morbidities			Outpatient/Inpatient care			
patient/Inpatient care			Outpatient/Inpatient care						
Ser	vices are fre	e of charge	Services with fixed of fees/co-payments	or percentag	e user Se	ervices can be available in the country b st borne by patients	ıt full		
el en en en en en en en en en en en en en	Services asafety programme reduction programmes VID (needle syringe ammes and opioid tution of mother-to-child isison (PMTCT) exposure prophylaxis (PrEP) exposure prophylaxis (PEP) om use programme ning and confirmatory test atory tests gement of orbidities tutient/Inpatient care	HIV         Services       User Feesd         safety programme       Image: Comparison of the syring examines and opioid tution of mother-to-child ission (PMTCT)       Image: Comparison of the syring examines and opioid tution of mother-to-child ission (PMTCT)         xxposure prophylaxis (PrEP)       Image: Comparison of the syring examines (PEP)         xxposure prophylaxis (PEP)       Image: Comparison of the syring examines (PEP)         xxposure prophylaxis (PEP)       Image: Comparison of the syring examines (PEP)         xxposure prophylaxis (PEP)       Image: Comparison of the syring examines (PEP)         xxposure prophylaxis (PEP)       Image: Comparison of 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programme         Condom use programme           Item of moties to child ission (PMIC)         Image: Safety programme         Antendata sceening and antiviral for HBV         Image: Safety programme         Imag</td><td>HV         Hepatitis B and C         STI           Services         User Frees         Notes         Services         User Frees         Notes         Services         User Frees         Notes         Services         User Frees           safety programme         Image: Safety programme</td><td>HIV         Hepetitis B and C         STI           Services         User Press         Notes         Services         Notes         Notes</td></td<>	HIV         Services       User Feesd       Notes         safety programme       Image: Comparison of the synthese of the synthe	Hiv       Heps         Services       User Feesd       Notes       Services         'safety programme       Blood safety programme       Blood safety programme       Image: Services         'safety programmes       Image: Services       Blood safety programme       Image: Services       Image: Services         'safety programme       Image: Services       Image: Services       Blood safety programme       Image: Services         'safety programmes       Image: Services       Image: Services       Image: Services       Image: Services         'safety programme       Image: Services       Image: Services       Image: Services       Image: Services         'safety programme       Image: Services       Image: Services       Image: Services       Image: Services         'safety programme       Image: Services       Image: Services       Image: Services       Image: Services         'safety programme       Image: Services       Image: Services       Image: Services       Image: Services         'safety programme       Image: Services       Image: Services       Image: Services       Image: Services         'safety programme       Image: Services       Image: Services       Image: Services       Image: Services       Image: Services         'safety programme       Image: Services	HiV         Hepatitis B a           Services         User Feesd         Notes         Services         User Feesd           'safety programme         Image: Ima	HIV         Hepatitis B and C           Services         User Feest         Notes         Services         User Feest         Notes           isafety programme         Image: Imag	HIV         Hepatitis B and C         Hepatitis B and C           Services         User Fees         Notes         Services         User Fees         Notes         Services           Safety programme         Image: Safety programme         Image: Safety programme         Image: Safety programme         Image: Safety programme         Part of national immunization programme         Part of national immunization programme         Condom use programme           Item of moties to child ission (PMIC)         Image: Safety programme         Antendata sceening and antiviral for HBV         Image: Safety programme         Imag	HV         Hepatitis B and C         STI           Services         User Frees         Notes         Services         User Frees         Notes         Services         User Frees         Notes         Services         User Frees           safety programme         Image: Safety programme	HIV         Hepetitis B and C         STI           Services         User Press         Notes         Services         Notes         Notes

## Japan

## I. Select country data

Country Statistics <sup>a</sup>							
Population, in millions (2016)	126.9						
GDP per capita, in current US\$ (2016)	38 894						
Income level	High income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	10.9%						
Life expectancy (2016)	84 years						

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	100						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	4.2						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	79.6						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	130.9						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing









	HIV (2017) <sup>a</sup>			Hepatitis B and C (2015) <sup>b</sup>			STI (most recent) <sup>c</sup>			
	People living with HIV		28 000	General population hepatitis B surface antigen (HBsAg) prevalence (%) <b>1.0</b>			Syphilis prevalence for female sex workers (%) N/A			
	Prevalence of HIV among adults a	aged 15–49	9 (%) < <b>0.1</b>	General population hepatitis C RNA viral load prevalence (HCV RNA) (%) 0.6			Syphilis prevalence for men who have sex with men (%)			
	New HIV infections		1500	Deaths due to acute hepatitis		785	Antenatal care attendees tested for syphilis (%) N/I			
	AIDS-related deaths		<200	Deaths due to chronic hepatiti	s	39 400	Infected antenatal care atte	ndees treat	red (%) N/A	
	Treatment coverage among peop	Treatment coverage among people living with HIV (%) 82								
		HIV		He	epatitis	B and C		S	т	
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	
	Blood safety programme		Covered by social health insurance. 30% co-payment, with reduced co-payment for selected groups	Blood safety programme		Covered by social health insurance. 30% co-payment, with reduced co-payment for selected groups	PMTCT (syphilis)		Covered by social health insurance. 30% co-payment, with reduced co-payment for selected groups. Ceiling on co-payment is also appli depending on age and income.	
ion	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		N/A	Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme			
Prevention	Prevention of mother-to-child transmission (PMTCT)		Covered by social health insurance. 30% co-payment, with reduced co-payment for selected groups			Free of charge for health-care workers				
	Pre-exposure prophylaxis (PrEP)		No current programme	Antenatal screening and antiviral for HBV		Covered by social health insurance. 30% co-payment, with reduced co-payment for selected groups				
	Post-exposure prophylaxis (PEP)		PEP – consultation fee ¥ 20 000; drugs ¥ 10 000 for 28 days							
	Condom use programme									
iagnosis	Screening and confirmatory test		Covered by social health insurance. 30% co-payment, with reduced co-payment for selected groups. Ceiling on co-payment applies depending on age and income.	Screening and other serological markers		Covered by social health insurance. 30% co-payment, with reduced co-payment for selected groups	Screening and confirmatory test			
	Drugs		Covered by cocial boalth	Drugs		Covers both hepatitis B and C drugs,	Drugs		Covered by social health insurance	
e it	Laboratory tests		Covered by social health insurance. 30% co-payment, with	Laboratory tests		including direct-acting antivirals.	Laboratory test		30% co-payment, with reduced co-payment for selected groups.	
Treatment and care	Management of co-morbidities		reduced co-payment for selected groups. Ceiling on co-payment is also applied depending on age	Management of co-morbidities		30% co-payment, with reduced co-payment for selected groups.	Outpatient/Inpatient care		Ceiling on co-payment is also app depending on age and income.	
	Outpatient/Inpatient care		and income.	Outpatient/Inpatient care		Ceiling on co-payment is also applied depending on age and income.				
	2	Services are	free of charge	Services with fix fees/co-paymen			vices can be available in the cou t borne by patients	intry but full		

# Lao People's Democratic Republic

## I. Select country data

Country Statistics <sup>a</sup>							
Population, in millions (2016)	67.5						
GDP per capita, in current US\$ (2016)	2353						
Income level	Low middle income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	2.8%						
Life expectancy (2016)	67 years						

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	11.6						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	0.7						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	47.6						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	10.4						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing







	Н	HIV (2017) <sup>a</sup>			Hepatitis B and C (2015) <sup>b</sup>			STI (most recent) <sup>c</sup>		
	People living with HIV		12 000	General population hepatitis B surface antigen (HBsAg) prevalence (%) 8.7			Syphilis prevalence for female sex workers (%) (2011)			
	Prevalence of HIV among adults a	ged 15–49	(%) 0.3	General population hepatitis C RNA viral load prevalence (HCV RNA) (%) 0.7			Syphilis prevalence for men who have sex with men (%)			
	New HIV infections		N/A	Deaths due to acute hepatitis		63	Antenatal care attendees tested for	or syphilis (	%) N/	
	AIDS-related deaths		<500	Deaths due to chronic hepatitis		8545	Infected antenatal care attendees	treated (%	) <b>N</b> /	
	Treatment coverage among people living with HIV (%) 47									
		HIV		Нера	atitis B a	nd C		STI		
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	
	Blood safety programme		Policy is free of charge but most hospitals may charge user fees	Blood safety programme			PMTCT (syphilis)			
u	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		No current programme	Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme			
Prevention	Prevention of mother-to-child transmission (PMTCT)			Post-exposure prophylaxis (PEP)		No current programme				
Prev	Pre-exposure prophylaxis (PrEP)		Available only for pregnant and breastfeeding women	Antenatal screening and antiviral for HBV		Partially covered by social health insurance				
	Post-exposure prophylaxis (PEP)		Available in all antiretroviral therapy sites							
	Condom use programme									
agnosis	Screening and confirmatory test			Screening and other serological markers		Screening free of charge, but not other serological markers tests	Screening and confirmatory test		Partially covered by social health insurance with flat/ percentage co-payments	
	Drugs		Funded by Global Fund	Drugs		Partially covered by social health insurance with flat/ percentage co-payments. Hepatitis C drugs not covered.	Drugs			
Ireatment and care	Laboratory tests		Supported by Global Fund and partially covered by social health insurance with flat/percentage co-payments	Laboratory tests			Laboratory test		Partially covered by social health insurance with flat/ percentage co-payments	
Treatm	Management of co-morbidities		Partially covered by social health insurance with flat/percentage co-payments	Management of co-morbidities		Partially covered by social health insurance with flat/ percentage co-payments	Outpatient/Inpatient care			
	Outpatient/Inpatient care		Partially covered by social health insurance with flat/percentage co-payments	Outpatient/Inpatient care						
	Se	ervices are fre	e of charge	Services with fixed o fees/co-payments	or percentage		vices can be available in the country bu t borne by patients	t full		
AIDS glob bal healtl	oal data h estimates, World Health Organizat	tion (2015)	1	on global sexually transmitted infection (2015)	ection surve		User fees for services availed at pub providers	lic provider:	s and other contracted private	

# Malaysia

## I. Select country data

Country Statistics <sup>a</sup>							
Population, in millions (2016)	31.2						
GDP per capita, in current US\$ (2016)	9502						
Income level	Upper middle income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	4.0%						
Life expectancy (2016)	75 years						

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	100						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	0.0						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	69.6						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	46.8						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing





	Н	y) <sup>a</sup>	Hepatitis B and C (2015) <sup>b</sup>			STI (2016) <sup>c</sup>				
	People living with HIV	87 000	General population hepatitis B surface antigen (HBsAg) prevalence (%) 0.7			Syphilis prevalence for female sex workers (%) 3.			3.3	
	Prevalence of HIV among adults aged 15–49 (%) 0.4			General population hepatitis C RN	A viral load	prevalence (HCV RNA) (%) 1.2	Syphilis prevalence for men who have sex with men (%)			16
	New HIV infections	New HIV infections 7800				236	Antenatal care attendees tested for	or syphilis (	%)	99.6
	AIDS-related deaths		4400	Deaths due to chronic hepatitis		2825	Infected antenatal care attendees	treated (%	)	100
	Treatment coverage among people	e living witl	h HIV (%) 45							
		HIV		Нера	atitis B a	ind C		STI		
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	
	Blood safety programme			Blood safety programme			PMTCT (syphilis)			
	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)			Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme		Distributed for free to key populations	
Prevention	Prevention of mother-to-child transmission (PMTCT)			Post-exposure prophylaxis (PEP)		Free of charge for health-care workers only				
Preve	Pre-exposure prophylaxis (PrEP)		No current programme	Antenatal screening and antiviral for HBV		Offered in Sabah only, pilots being developed in four other States				
	Post-exposure prophylaxis (PEP)									
	Condom use programme		Distributed for free to key populations							
Diagnosis	Screening and confirmatory test			Screening and other serological markers			Screening and confirmatory test			
are	Drugs		Free of charge for everyone. Funded by local and national government.	Drugs		Covers both hepatitis B and C, including direct-acting antivirals	Drugs			
ıt and e	Laboratory tests			Laboratory tests			Laboratory test			
Treatment and care	Management of co-morbidities			Management of co-morbidities			Outpatient/Inpatient care			
F	Outpatient/Inpatient care			Outpatient/Inpatient care						
	Se	ervices are fr	ee of charge	Services with fixed o fees/co-payments	or percentag		rvices can be available in the country b st borne by patients	ıt full		
JNAIDS gloł Global healt	oal data h estimates, World Health Organiza	tion (2015)		t on global sexually transmitted infe ization (2015)	ection surve	eillance, World Health	User fees for services availed at pub providers	lic provide	rs and other contracted priva	ate

# Mongolia



Country Statistics <sup>a</sup>							
Population, in millions (2016)	3.0						
GDP per capita, in current US\$ (2016)	3686						
Income level	Low middle income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	3.9%						
Life expectancy (2016)	69 years						

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	81.9						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	1.7						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	62.6						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	65.6						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing





Н	IV (2017	') <sup>a</sup>	Hepatiti	s B and	C (2015) <sup>b</sup>		STI (I	most rec	ent) <sup>c</sup>	
People living with HIV		<1000	General population hepatitis B surface antigen (HBsAg) prevalence (%) <b>10.6</b>			Syphilis prevalence for female sex workers (%) (2014)			29.6	
Prevalence of HIV among adults aged 15–49 (%) <0.1			General population hepatitis C RN	A viral load	prevalence (HCV RNA) (%)	8.5	Syphilis prevalence for men who	have sex wit	th men (%) (2014)	7.1
New HIV infections		<100	Deaths due to acute hepatitis			173	Antenatal care attendees tested for	or syphilis (	%) (2016)	97.1
AIDS-related deaths		<100	Deaths due to chronic hepatitis		·	1681	Infected antenatal care attendees	treated (%	) (2012)	89.3
Treatment coverage among people	e living with	1 HIV (%) <b>28</b>								
	HIV		Нера	atitis B a	nd C			STI		
Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes		Services	User Fees <sup>d</sup>	Notes	
Blood safety programme			Blood safety programme				PMTCT (syphilis)			
Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		No current programme	Vaccination programme (Hepatitis B)		Part of national immunizati programme	on	Condom use programme		Distributed for free to populations. Supporte Global Fund	key ed by the
Prevention of mother-to-child transmission (PMTCT)			Post-exposure prophylaxis (PEP)		Free of charge for health-ca workers only	re				
Pre-exposure prophylaxis (PrEP)		Supported by the national government for serodiscordant couples	Antenatal screening and antiviral for HBV		Covered by social health insurance. With flat/percent co-payments.	tage				
Post-exposure prophylaxis (PEP)		Supported by the national government								
Condom use programme		Distributed for free to key populations. Supported by the Global Fund								
Screening and confirmatory test			Screening and other serological markers		Covered by social health insurance. With flat/percent co-payments.	tage	Screening and confirmatory test			
Drugs			Drugs		Covers both hepatitis B and drugs, including direct-acti	C	Drugs			
Laboratory tests			Laboratory tests		antivirals. Covered by social health insurance with flat/	-	Laboratory test			
Management of co-morbidities			Management of co-morbidities		percentage co-payments. For hepatitis C drugs: co-payme of around \$US 150 for the e	or ents ntire	Outpatient/Inpatient care			
Outpatient/Inpatient care			Outpatient/Inpatient care		course of treatment (3 mon	ths).				

Services with fixed or percentage user fees/co-payments Services can be available in the country but full cost borne by patients

<sup>a</sup> UNAIDS global data

Dia

<sup>b</sup> Global health estimates, World Health Organization (2015)

Services are free of charge

<sup>c</sup> Report on global sexually transmitted infection surveillance, World Health Organization (2015)

<sup>d</sup> User fees for services availed at public providers and other contracted private providers

# Papua New Guinea



## I. Select country data

Country Statistic	S <sup>a</sup>
Population, in millions (2016)	8.1
GDP per capita, in current US\$ (2016)	2268
Income level	Low middle income
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	3.8%
Life expectancy (2016)	бб years

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	-						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	-						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	41.3						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	5.9						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing





	HIV (2017) <sup>a</sup>			Hepatitis B and C (2015) <sup>b</sup>			STI (2016) <sup>c</sup>			
				General population hepatitis B surface antigen (HBsAg) prevalence (%) 14.6			Syphilis prevalence for female sex workers (%)			
	Prevalence of HIV among adults aged 15–49 (%) 0.9			General population hepatitis C RN	IA viral load	prevalence (HCV RNA) (%) 1.2	Syphilis prevalence for men who have sex with men (%)			
	New HIV infections	New HIV infections 3000				72	Antenatal care attendees tested for	or syphilis (%	%)	
	AIDS-related deaths	IDS-related deaths 1100		Deaths due to chronic hepatitis		1206	Infected antenatal care attendees	treated (%)		
	Treatment coverage among people	Treatment coverage among people living with HIV (%)   55								
		HIV		Нера	atitis B a	and C		STI		
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	
	Blood safety programme			Blood safety programme		Only for hepatitis B, no screening for hepatitis C	PMTCT (syphilis)			
	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		No current programme	Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme			
UCION	Prevention of mother-to-child transmission (PMTCT)			Post-exposure prophylaxis (PEP)		No current programme				
Frevention	Pre-exposure prophylaxis (PrEP)		No current programme	Antenatal screening and antiviral for HBV		Free of charge for screening of hepatitis B for pregnant women with liver dysfunction				
	Post-exposure prophylaxis (PEP)		Only available for health-care workers and sexual assault victims							
	Condom use programme									
nosis	Screening and confirmatory test			Screening and other serological markers		Free of charge for screening of hepatitis B for patients with liver dysfunction	Screening and confirmatory test			
ו כמנה	Drugs			Drugs		No current programme	Drugs		Free of charge for first line regimen for syphilis, gonorrhoea, chlamydia, a genital herpes	
	Laboratory tests			Laboratory tests		Free of charge for liver function tests, ultrasound if available	Laboratory test			
	Management of		Free of charge for people living with HIV with opportunistic infections	Management of co-morbidities			Outpatient/Inpatient care			
ונפמוווהוור מווח נמנה	co-morbidities		intections							
	co-morbidities Outpatient/Inpatient care			Outpatient/Inpatient care						

# Philippines

## I. Select country data

Country Statistics <sup>a</sup>							
Population, in millions (2016)	103.3						
GDP per capita, in current US\$ (2016)	2951						
Income level	Low middle income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	4.4%						
Life expectancy (2016)	69 years						

Select SDG indicators								
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	82						
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	1.4						
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	58						
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	-						

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing





28

	HIV (2017)ª			Hepatitis B and C (2015) <sup>b</sup>			STI (2015) <sup>c</sup>		
	People living with HIV		68 000						
	Prevalence of HIV among adults aged 15–49 (%) 0.1			General population hepatitis C RN	IA viral load	prevalence (HCV RNA) (%) 0.6	Syphilis prevalence for men who		
	New HIV infections		12 000	Deaths due to acute hepatitis		1133			
	AIDS-related deaths		<1000	Deaths due to chronic hepatitis		8330	Infected antenatal care attendees	treated (%)	) N/
	Treatment coverage among peopl	le living wit	h HIV (%) <b>36</b>						
		HIV		Нер	atitis B a	nd C		STI	
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes
	Blood safety programme			Blood safety programme			PMTCT (syphilis)		
g	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		No current programme <sup>2</sup>	Vaccination programme (Hepatitis B)		Part of national immunization programme, with support from social health insurance	Condom use programme		Public facilities may charge for nominal user fees, but genera free of charge.
Prevention	Prevention of mother-to-child transmission (PMTCT)			Post-exposure prophylaxis (PEP)		No current programme			
Pre	Pre-exposure prophylaxis (PrEP)		Currently available in pilot/ research settings <sup>3</sup>	Antenatal screening and antiviral for HBV		No nationwide programme <sup>4</sup>			
	Post-exposure prophylaxis (PEP)		Free of charge for occupational exposure						
	Condom use programme								
iagnosis	Screening and confirmatory test			Screening and other serological markers		No current programme	Screening and confirmatory test		Public facilities may charge for nominal user fees, but genera free of charge.
	Drugs		Covered by the national government	Drugs		No current programme	Drugs		
care	Laboratory tests		Covered by social health insurance <sup>5</sup> , but with exceptions	Laboratory tests			Laboratory test		Public facilities may charge for nominal user fees, but gener
Treatment and care	Management of co-morbidities		Applicable PhilHealth case rates such as the TB-directly observed treatment, short-course benefit package	Management of co-morbidities		Free antiretroviral drugs for hepatitis patients with HIV	Outpatient/Inpatient care		free of charge.
Trea	Outpatient/Inpatient care		Covered by applicable PhilHealth case rates, with flat/percentage co-payments, with exemptions	Outpatient/Inpatient care		Inpatient care covered by applicable PhilHealth case rates, with flat/percentage co- payments, with exemptions			
	Se	ervices are fr	ee of charge	Services with fixed of fees/co-payments	or percentag		rvices can be available in the country bu st borne by patients	ıt full	

Needle syringe programme launched in 2014 as part of the Big Cities Project supported by ADB and the World Bank but has already ended
 Community-based peer-driven PREP pilot programme launched in 2017 for selected MSM and Transgender women in Manila
 Some local government units provide Hepatitis B testing kits as part of ANC for pregnant women
 Initial baseline tests such as CD4 and CBCs not free. PhilHealth's Outpatient HIV/AIDS Treatment Package (OHAT) covers succeeding viral load monitoring tests.

# Singapore

## I. Select country data

Country Statistics <sup>a</sup>							
Population, in millions (2016)	5.6						
GDP per capita, in current US\$ (2016)	52 960						
Income level	High income						
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	4.3%						
Life expectancy (2016)	83 years						

Select SDG indicators					
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	100			
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	-			
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	>80			
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	75.6			

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing





HIV (2017)ª		Hepatitis B and C (2015) <sup>b</sup>	STI (2016) <sup>c</sup>		
People living with HIV	5900	General population hepatitis B surface antigen (HBsAg) prevalence (%)	4.1	Syphilis prevalence for female sex workers (%)	0
Prevalence of HIV among adults aged 15–49 (%)	0.15	General population hepatitis C RNA viral load prevalence (HCV RNA) (%)	0.5	Syphilis prevalence for men who have sex with men (%)	28.7
New HIV infections	430	Deaths due to acute hepatitis	1	Antenatal care attendees tested for syphilis (%)	N/A
AIDS-related deaths	270	Deaths due to chronic hepatitis	682	Infected antenatal care attendees treated (%)	N/A
Treatment coverage among people living with HIV (%)	63				

		HIV		Нера	atitis B a	nd C	STI		
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes
	Blood safety programme			Blood safety programme			PMTCT (syphilis)		Percentage co-payment subject to meeting of clinical criteria and means-testing
	Harm reduction programmes for PWID (needle syringe programmes and opioid substitution therapy)		No current programme	Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme		
Prevention	Prevention of mother-to-child transmission (PMTCT)		Covers early infant diagnosis, free antiretroviral therapy for positive mothers	Post-exposure prophylaxis (PEP)		No current programme			
Ē	Pre-exposure prophylaxis (PrEP)		Non-subsidized service. PrEP services are available at private rates.	Antenatal screening and antiviral for HBV					
	Post-exposure prophylaxis (PEP)		Free of charge for occupational exposure						
	Condom use programme								
Diagnosis	Screening and confirmatory test		Subsidized at the Department of STI Control Clinic	Screening and other serological markers			Screening and confirmatory test		Percentage co-payment subject to meeting of clinical criteria and means-testing
are	Drugs			Drugs		Covers both hepatitis B and	Drugs		
t and o	Laboratory tests		Percentage co-payment subject to meeting of clinical criteria and	Laboratory tests		Covers both hepatitis band C, including direct-acting antivirals. Percentage co-	Laboratory test		Percentage co-payment subject to meeting of clinical criteria and means-testing
Treatment and care	Management of co-morbidities		to meeting of clinical criteria and means-testing	Management of co-morbidities		payment subject to meeting of clinical criteria and means-	Outpatient/Inpatient care		and means-testing
Trea	Outpatient/Inpatient care			Outpatient/Inpatient care		testing.			
Those are seen		ervices are fre	5	Services with fixed of fees/co-payments	. ,		vices can be available in the country but to one by patients		

There are multiple layers of protection that can partially or full cover the co-payments: Medisave (compulsory medical savings account), MediShield Life (basic health insurance plan), and Medifund (additional safety net for the needy patients).

<sup>a</sup> Data from the National Public Health Unit, Singapore

<sup>c</sup> Data from the Department of STI Control Clinic, Singapore

<sup>d</sup> User fees for services availed at public providers and other contracted private providers

# **Viet Nam**

## I. Select country data

Country Statistics <sup>a</sup>					
Population, in millions (2016)	9.3				
GDP per capita, in current US\$ (2016) 2185					
Income level	Low middle income				
Current health expenditure as proportion of GDP (2015) <sup>b</sup>	5.7%				
Life expectancy (2016)	76 years				

Select SDG indicators					
Social health protection coverage as % of total population (proxy) SDG 1.3.1 <sup>b</sup>	2009–2011	61			
Proportion of population with large household expenditures on health as a share of total household consumption expenditure or income (%) (>25%) SDG 3.8.2 <sup>c</sup>	2005–2015	5.0			
UHC index – coverage of essential health services (%) (target=100) SDG 3.8.1 <sup>d</sup>	2002–2015	72.7			
Skilled health professionals density (per 10 000 population) SDG 3.c.1 <sup>e</sup>	2005–2015	24.1			

<sup>a</sup> World Development Indicators, World Bank

- <sup>b</sup> Social protection (database). International Labour Organization (ILO)
- <sup>c</sup> Monitoring UHC and health in the SDGs, baseline report for the Western Pacific Region, World Health Organization (2017)
- <sup>d</sup> Average coverage of essential services based on four tracer indicators: 1) reproductive, maternal, newborn and child health (RMNCH); 2) infectious diseases; 3) noncommunicable diseases; 4) service capacity and access
- <sup>e</sup> Aggregated across physicians and nurses/midwives Global Health Workforce Statistics Database, World Health Organization (2017)

## II. Health financing





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Pre Nev	eople living with HIV revalence of HIV among adults ag		250 000	General population hepatitis B su	rface antige	$(HP_{c}A_{d})$ provalance (0/2) <b>01</b>	Suphilic provalance for famale cov	wantenna (0/	1
Ne	revalence of HIV among adults ag				General population hepatitis B surface antigen (HBsAg) prevalence (%) 9.1				
	ieraienee or intraniong addies ag	ed 15–49 (	(%) 0.3	General population hepatitis C RNA	viral load p	revalence (HCV RNA) (%) 1.1	Syphilis prevalence for men who h	iave sex wit	:h men (%)
AID	ew HIV infections		N/A	Deaths due to acute hepatitis		630	Antenatal care attendees tested for	or syphilis (9	%)
	IDS-related deaths		8600	Deaths due to chronic hepatitis 22 180			Infected antenatal care attendees treated (%)		
Tre	eatment coverage among people	living with	n HIV (%) 50						
		HIV		Hep	atitis B a	nd C		STI	
	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes	Services	User Fees <sup>d</sup>	Notes
Blo	lood safety programme		Can be available free of charge at Global Fund supported sites only	Blood safety programme			PMTCT (syphilis)		No current programme
for pro sub	arm reduction programmes or PWID (needle syringe rogrammes and opioid ıbstitution therapy)			Vaccination programme (Hepatitis B)		Part of national immunization programme	Condom use programme		Available at Global Fund supported provinces only
	evention of mother-to-child ansmission (PMTCT)		Supported by Global Fund Currently available in pilot/ research settings	Post-exposure prophylaxis (PEP)		No current programme			
E Pre	re-exposure prophylaxis (PrEP)			Antenatal screening and antiviral for HBV		No current programme			
Pos	ost-exposure prophylaxis (PEP)		Free of charge for occupational exposure						
Cor	ondom use programme		Available at Global Fund supported provinces only						
jnosis Scr	creening and confirmatory test		Supported by Global Fund and The President's Emergency Plan for AIDS Relief (PEPFAR) for voluntary counselling and testing (VCT) or community- based testing	Screening and other serological markers		Covered by social health insurance with flat/percentage co-payments	Screening and confirmatory test		No current programme
	rugs		Supported by Global Fund and PEPFAR, with co-funding from national government	Drugs			Drugs		No current programme
and car	aboratory tests		Only CD4 count/T-cell test and viral load are free of charge	Laboratory tests		Covered by social health insurance with flat/percentage	Laboratory test		No current programme
	lanagement of p-morbidities		Covered by social health insurance. With flat/percentage co-payments	Management of co-morbidities		co-payments. Social health insurance will cover 50% of hepatitis C drugs.	Outpatient/Inpatient care		No current programme
	utpatient/Inpatient care		Covered by social health insurance. With flat/percentage co-payments	Outpatient/Inpatient care					
	Ser	vices are fre	e of charge	Services with fixed of fees/co-payments	or percentage		vices can be available in the country bu t borne by patients	t full	



