2019 Sustainability Index and Dashboard (SID) Summary: Thailand

Background

The U.S. President's Emergency Plan for AIDS Relief (PEPFAR) views sustainability as a critical element to reaching and maintaining epidemic control. For PEPFAR, sustainability of the HIV response means that a country has the enabling environment, services, systems, and resources required to effectively and efficiently control the HIV and AIDS epidemic. Thus, it is important for all countries to develop an understanding of the sustainability situation, the challenges and opportunities for improving country sustainability. Country sustainability assessment can be undertaken using the Sustainability Index and Dashboard (SID) and the Responsibility Matrix (RM) tools.

The SID tool comprises a series of questions/indicators under four domains and fifteen elements. Scores are generated for each of the 15 elements and are represented by four colors as indicated in the table below. The overall score for each element is auto-generated by summing the scores for the separate responses to questions under that element, with a possible maximum of 10 points.

Table 1: Sustainability Element Score Criteria
Dark Green Score (8.50-10.00 pts) (sustainable and requires no additional investment at this time)
Light Green Score (7.00-8.49 pts) (approaching sustainability and requires little or no investment)
Yellow Score (3.50-6.99 pts) (emerging sustainability and needs some investment)
Red Score (<3.50 pts) (unsustainable and requires significant investment)

Assessment Process

The PEPFAR Thailand Team (CDC and USAID) has engaged with diverse country stakeholders, including the Department of Disease Control (DDC), Ministry of Public Health (MoPH), the United Nations Programme on AIDS (UNAIDS) to obtain their support for this assessment as well as for convening a National Stakeholder Meeting. Between August 7-31, 2019, an initial assessment was conducted by a small working group, comprising of representatives from the PEPFAR team, UNAIDS Thailand, Thailand MOPH and the Principal Recipient Administrative Office of the Global Fund to Fight AIDS, Tuberculosis and Sexually Transmitted Infections (STIs) or the Global Fund. Key informant interviews were conducted and a desk review was completed through document reviews and various government websites to assess publically reported national information and data from national HIV systems.

On September 9, 2019, 09:00 – 13:00 hours, the National Stakeholder Meeting was co-convened by PEPFAR and UNAIDS Thailand at Pramern Chandavimol Room, 1st Floor, Building 1, DDC, MoPH to discuss preliminary results and identify any next steps to accelerate progress towards sustaining control of HIV epidemic in Thailand.

The meeting was chaired by the Deputy Director General, DDC, MoPH, Dr Preecha Prempree. There were 50 participants from the Thai government including DDC/MoPH, the Global Fund recipients (Raks Thai Foundation), Bangkok Metropolitan Administration (BMA), National Health Security Office (NHSO) and civil society organizations including the Thai Red Cross AIDS Research Centre (TRCARC), FHI 360, SWING, Mplus and Rainbow Sky Association for Thailand (RSAT). The list of participants is attached.

The meeting objectives:

1. Review Sustainability Index and Dashboard (SID) 4.0 tool and Responsibility Matrix (RM);
2. Discuss initial assessment results;
3. Obtain feedback, technical inputs and recommendations on SID results to guide the finalization of the assessment;
4. Identify areas for program development in FY2021/PEPFAR Regional Operational Plan (ROP) 2020; and
5. Identify and prioritize investments by PEPFAR, the Global Fund and Host Government for FY2021 planning.

Discussion during the meeting led to further consultations, more in-depth fact checking and refinement of responses on the tool. Several ratings were adjusted based on finding resulting from the Stakeholders Consultation. The results, which have been revised based on the feedback, are presented in the following section.

Results:

The draft SID results presented at the stakeholder meeting are shown below.

DRAFT

Thailand

Epidemic Type: Concentrated
Income Level: Upper middle income
PEPFAR Categorization: Asia Region
PEPFAR COP 19 Planning Level: N/A

	2015 (SID 2.0)	2017 (SID 3.0)	2019	2021
Governance, Leadership, and Accountability				
1. Planning and Coordination	9.33	9.50	9.50	
2. Policies and Governance	7.43	8.18	8.85	
3. Civil Society Engagement	7.50	8.33	8.33	
4. Private Sector Engagement	4.10	4.00	6.69	
5. Public Access to Information	7.00	8.00	9.00	
National Health System and Service Delivery				
6. Service Delivery	7.31	7.69	7.90	
7. Human Resources for Health	7.58	8.26	8.73	
8. Commodity Security and Supply Chain	10.00	9.38	8.68	
9. Quality Management	6.19	7.67	8.33	
10. Laboratory	9.58	10.00	9.67	
Strategic Financing and Market Openness				
11. Domestic Resource Mobilization	8.06	8.77	9.17	
12. Technical and Allocative Efficiencies	8.65	7.78	8.06	
13. Market Openness	N/A	N/A	9.04	
Strategic Information				
14. Epidemiological and Health Data	8.45	8.92	8.47	
15. Financial/Expenditure Data	8.33	9.17	9.17	
16. Performance Data	6.70	7.23	8.12	
17. Data for Decision-Making Ecosystem	N/A	N/A	8.50	

The responsibility matrix results are as follows:

	DIMENSIONS								
	SERVICE DELIVERY[1]			NON-SERVICE DELIVERY ASSISTANCE[2]			STRATEGY FORMULATION AND PLANNING[3]		
FUNCTIONAL ELEMENTS	Partner Govt. & IPs	PEPFAR & PEPFAR IPs	GFATM & GFATM IPs	Partner Govt. & IPs	PEPFAR & PEPFAR IPs	GFATM & GFATM IPs	Partner Govt.	PEPFAR	GFATM
Programs									
Care and Treatment	Primary	Secondary	Secondary	Primary	Secondary	Secondary	Primary	Secondary	Secondary
Clinical Interventions	Primary	Nominal	None	Primary	Secondary	Secondary	Primary	Secondary	Secondary
Laboratory	Primary	Secondary	None	Primary	Secondary	None	Primary	Secondary	None
Linkage, Retention, Adherence	Primary	Secondary	Nominal	Primary	Secondary	Nominal	Primary	Secondary	Secondary
TB-HIV	Primary	Nominal	Primary	Primary	Nominal	Primary	Primary	Nominal	Primary
HIV Testing Services	Primary	Secondary	Primary	Secondary	Primary	Primary	Primary	Primary	Secondary
Prevention	Primary	Secondary	Secondary	Secondary	Primary	Primary	Secondary	Primary	Primary
Prevention of Mother-To-Child Transmission	Primary	None	None	Primary	Nominal	None	Primary	Nominal	None
Male Circumcision	None	None	None	None	None	None	None	None	None
Other Biomedical Prevention	Primary	Primary	Secondary	Primary	Secondary	Secondary	Primary	Primary	Secondary
Key and Priority Populations	Primary	Secondary	Secondary	Secondary	Primary	Primary	Secondary	Primary	Primary
Orphans and Vulnerable Children	Primary	None	None	Primary	None	None	Primary	None	None

General comments

There was general agreement on progress towards sustaining epidemic control in all four domains. While the tools were considered useful for assisting Thailand to assess the level of sustainability, it was largely felt that the tools were not sufficiently sensitive to the situation at different levels. For example, the responses to the SID tools were reflective of the country level situations but not at sub-national (regional or provincial) levels. In some instances, there was positive development and progress for some key populations such as men who have sex with men (MSM) and transgender women (TG) but not for all key populations, in particular, people who inject drugs (PWID), prisoners, and migrant populations. It was suggested the tools could better reflect diverse key populations and disaggregate these more comprehensively.

In summary, Thailand continues to demonstrate leadership in terms of sustainability of its overall HIV/AIDS response. Of the 15 elements evaluated, 14 were "sustained," (light or dark green) with private sector engagement scored as yellow. Most scores increased from the 2017 assessment, indicating that Thailand is moving toward improved sustainability. There are, however, reductions in scoring in several areas including: i) planning and coordination; ii) civil society engagement; iii) service delivery; iv) human resource for health; v) commodities; vi) quality management; vii) domestic resource mobilization; and viii) strategic information; performance data. These are critical areas to monitor, moving forwards towards sustainability.

In terms of planning and coordination, there are existing coordination mechanisms. However, effectiveness of these mechanisms remains an issue. CSO participation has improved, but needs further strengthening. The current new HIV/AIDS strategic plan is not yet costed. There remains a policy issue with regard to provision of needles and syringes to PWID for harm reduction programming. Sex work remains illegal.

There were concerns related to procurement and supply management of condoms, lubricants and antiretroviral treatment. In-service training for health care providers and community health workers is largely supported by donor funding. Little progress has been made in transitioning to domestic resourcing.

Significant progress has been made since 2017 in the critical area of domestic financing. The government increasingly understands the importance of the contributions made by CSOs in HIV service provision and in meeting national targets. The government has shown increasing commitment to provide funding for PEPFAR-supported CSOs. However, there were concerns voiced that financial reimbursement has been significantly delayed and resulting in disruption to CSO programming. Program/project-based funding was recommended as a means of streamlining financial reimbursement transactions.

There was a shared concern on the lack of critical strategic information in a number of areas and the sharing of available data including accurate population size estimates, viral load results and HIV-related mortality data.

The responsibility matrix remains unchanged.

DDC, MoPH and other stakeholders have found the tools to be useful and were supportive of the suggestion to establish a National Sustainability Committee to develop a sustainability improvement plan and track progress. It was suggested the possibility of a sustainability goal for 2030, with all scores to be ***"dark green."***

The SID scores have been revised based on these comments as shown below.

Revised results

Sustainability Analysis for Epidemic Control: Thailand

Epidemic Type: Concentrated
Income Level: Upper middle income
PEPFAR Categorization: Asia Region
PEPFAR COP 19 Planning Level: Please Enter

SUSTAINABILITY DOMAINS and ELEMENTS	2015 (SID 2.0)	2017 (SID 3.0)	2019	2021
Governance, Leadership, and Accountability				
1. Planning and Coordination	9.33	9.50	9.00	
2. Policies and Governance	7.43	8.18	8.85	
3. Civil Society Engagement	7.50	8.33	7.92	
4. Private Sector Engagement	4.10	4.00	5.44	
5. Public Access to Information	7.00	8.00	9.00	
National Health System and Service Delivery				
6. Service Delivery	7.31	7.69	7.58	
7. Human Resources for Health	7.58	8.26	8.17	
8. Commodity Security and Supply Chain	10.00	9.38	7.70	
9. Quality Management	6.19	7.67	7.10	
10. Laboratory	9.58	10.00	9.67	
Strategic Financing and Market Openness				
11. Domestic Resource Mobilization	8.06	8.77	8.85	
12. Technical and Allocative Efficiencies	8.65	7.78	8.06	
13. Market Openness	N/A	N/A	9.04	
Strategic Information				
14. Epidemiological and Health Data	8.45	8.92	8.47	
15. Financial/Expenditure Data	8.33	9.17	9.17	
16. Performance Data	6.70	7.23	7.42	
17. Data for Decision-Making Ecosystem	N/A	N/A	8.50	

Specific comments and score changes are summarized below for reference.

A. Governance, Leadership and Accountability

Scoring

i. **Planning and coordination: decreased –** no private sector engagement in policy development
ii. Policies and governance: no change
iii. **Civil society engagement: decreased –** awards not made in a timely manner
iv. **Private sector engagement: decreased –** no clear market opportunities that align with and support national HIV/AIDS response

v.	**Public access to information: no change.**

Planning and coordination

- Limited number of provinces has an operational provincial ending AIDS plan (PRDDC)
- There is a need to strengthen systems to effectively engage stakeholders especially for stronger dialogue (RSAT) and for improving planning (DDC).

Policies

- There has been no progress with regard to harm reduction and the provision of free needles and syringes (Raks Thai).
- There is a policy gap regarding oral fluid which has been introduced by the Global Fund (Raks Thai).
- Policies need to be better linked with human rights. Sex work needs to be recognized as work (Mplus).
- Private sector engagement needs to be explored in terms of market analysis, client needs and potential benefits (TRCARC).
- A footnote is needed for policies on harm reduction, oral fluid, syringes and migrant workers (Raks Thai).
- Policy and implementation need to be linked (RSAT).
- A request was made for a National Sustainability Committee to be established (USAID).

Accountability

- There is a need to strengthen community participation (Mplus).

B. National Health System and Service Delivery

Scoring	
i.	**Service delivery: decreased –** supply chain to community based services not yet standardised; budget is not sufficient; more effective engagement with civil society in program planning and evaluation of service delivery at sub-national level is needed
ii.	**Human resources for health: decreased –** no national plan for institutionalising in service training in HIV/AIDS (currently donor supported)
iii.	**Commodities: decreased –** Stocking system management of condoms/lubricant, needles-syringes, VL reagents needs attention;
iv.	**Quality management: decreased –** Need for a clear structure and dedicated focal points of QI at national and sub-national levels and majority of sites in areas of high HIV burden**.**
v.	**Laboratories: no change.**

- A request was made for 'data electronic sharing' from VL centers to local sites starting from the DDC laboratory (CDC);
- Problems have been encountered with laboratory VL supplies through the procurement management process (CDC).
- There is remaining gap in technical assistance related to quality management (CDC)
- NHSO does not include lubricant with the supply of condoms (TRCARC).
- The country should have effective distribution of condom to ensure that condom are given sufficiently and with suitable sizes to meet target group needs (SWING)
- STI screening needs to be improved at ARV clinics (TRCARC).
- A request was made to include self-testing in the national health system and to introduce a new method of testing for viral load (TRCARC).
- It was suggested that a *Responsibility Matrix* be completed for use at the country level among all of the relevant government offices (DDC).
- A mechanism is needed to accelerate service delivery regarding latent TB (GF).
- A recommendation was made to have a sub-group for drug user issues (GF).

C. Strategic Financing and Market Openness

Scoring

i. **Domestic resource mobilization: slightly decreased**
ii. Technical allocative efficiencies: no change

- Concern was expressed at the high cost of treatment (DDC)
- A request was made for clearer guidelines for documented migrants (DDC)
- There is remaining gaps in migrants' access to domestic resources (Raks Thai)
- A request was made for national level discussions about drug pricing (TRCARC)
- There is a suggestion that a mechanism established for coordinating the three main domestic findings (PRDDC)

Budgeting

- Concern was expressed about the NHSO budget and implementation mechanisms (SWING).
- Concern about complexity in accessing NHSO budget and standard mechanism to fund CBO (RSAT).

Procurement

- Problems have been encountered with the supply of lubricants and appropriate condom size (SWING).
- There needs to be a shift from external to domestic resources for country capacity management and innovations (TRCARC).

D. Strategic Information

Scoring

i. **Market openness: no change**
ii. **Epidemiological data: no change**
iii. **Financial expenditure data: no change**
iv. **Performance data: decreased** – timeliness of data sharing with stakeholders and program implementers; site specific data analysis is not publicly shared; DQA protocols exist and implementation shared by host country

- There is remaining gaps in tracking or monitoring system for migrants (Raks Thai)
- More discussion is needed on mortality data (DDC).
- Requests were made for a focal point to develop M&E innovation (TRCARC) and for community involvement (Raks Thai).
- *Data for decision making ecosystem*: a request was made for improved linkages with NAP and UIC (DDC)
- There is a need for innovation and operation research (DDC)

Summary Points

- A sustainability improvement plan is needed;
- There needs to set up a national sustainability committee;
- Tools to be further developed and applied to Thailand context (DDC);
- Sustainability issue to be brought up in coming CCM meeting (DDC);
- A mechanism is needed for sustainability. Set up committee to prioritize issues and identify responsibilities by items (CDC);
- UNAIDS to take results for inclusion in 2019 workplan (UNAIDS)
- Further discussions are needed on private sector engagement, market openness, CSO financing, STIs, innovation, gender terminology, M&E capacity building, strategic information, in-service training and information sharing.

Contact: For questions or further information about PEPFAR's efforts to support sustainability of the HIV response in Thailand, please contact Thananda Naiwatanakul (hqa5@cdc.gov) or Ravipa Vannakit (rvannakit@usaid.gov).

Sustainability Analysis for Epidemic Control: Thailand

Epidemic Type: Concentrated
Income Level: Upper middle income
PEPFAR Categorization: Asia Region
PEPFAR COP 19 Planning Level: $ 21,141,451

SUSTAINABILITY DOMAINS and ELEMENTS

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Governance, Leadership, and Accountability				
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7. Human Resources for Health	7.58	8.26	8.17	
8. Commodity Security and Supply Chain	10.00	9.38	7.70	
9. Quality Management	6.19	7.67	6.81	
10. Laboratory	9.58	10.00	9.67	
Strategic Financing and Market Openness				
11. Domestic Resource Mobilization	8.06	8.77	8.85	
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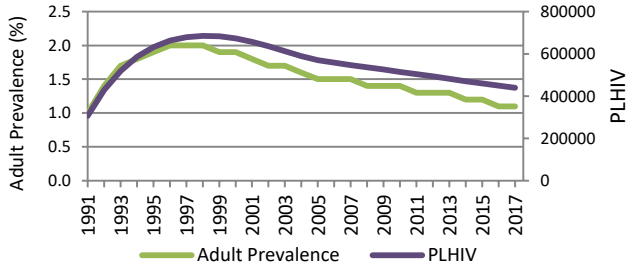
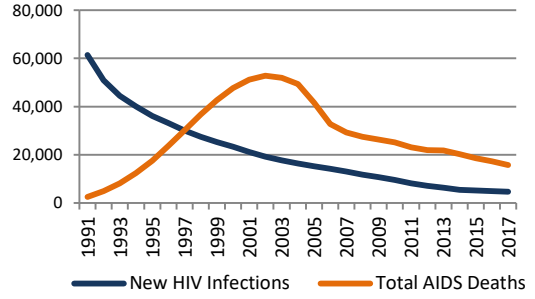
17. Data for Decision-Making Ecosystem	N/A	N/A	8.50	

CONTEXTUAL DATA

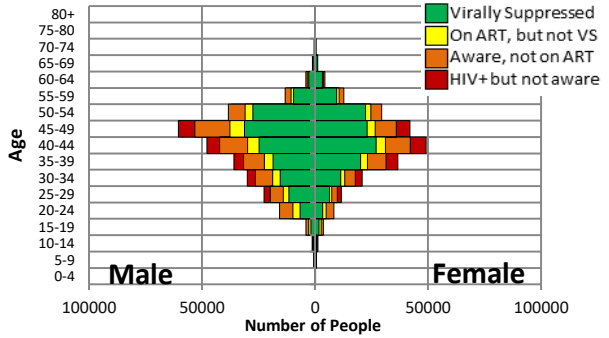
Adult Prevalence & PLHIV



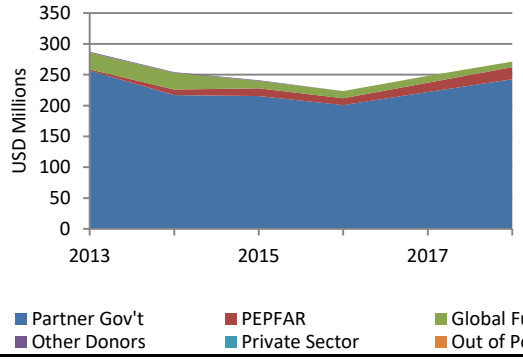
New Infections & Total AIDS Deaths



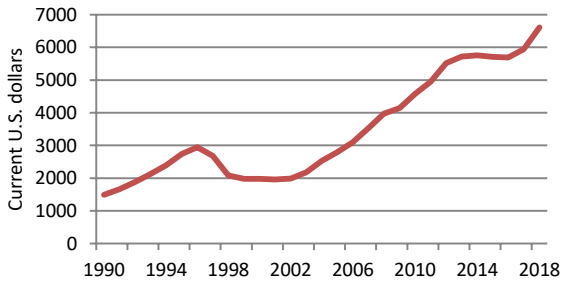
Clinical Cascade



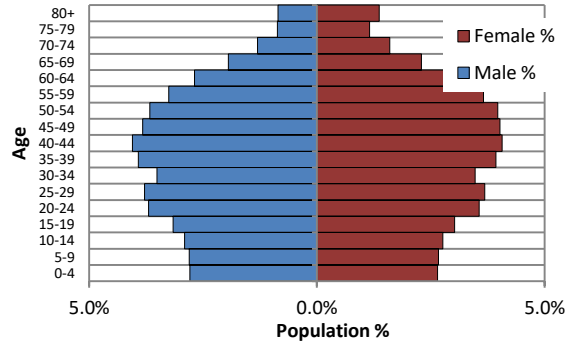
Financing the HIV Response



GNI Per Capita (Atlas Method)



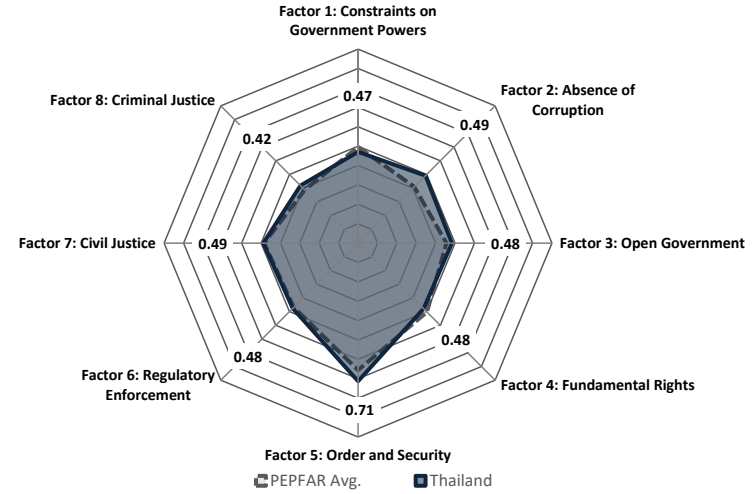
Population Pyramid (2019)

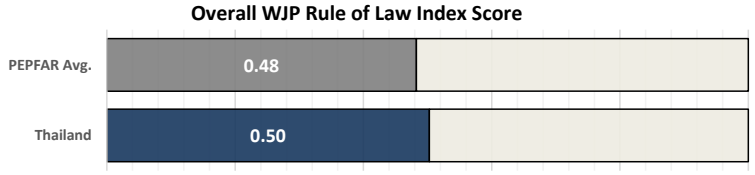


Sustainability Analysis for Epidemic Control: Thailand

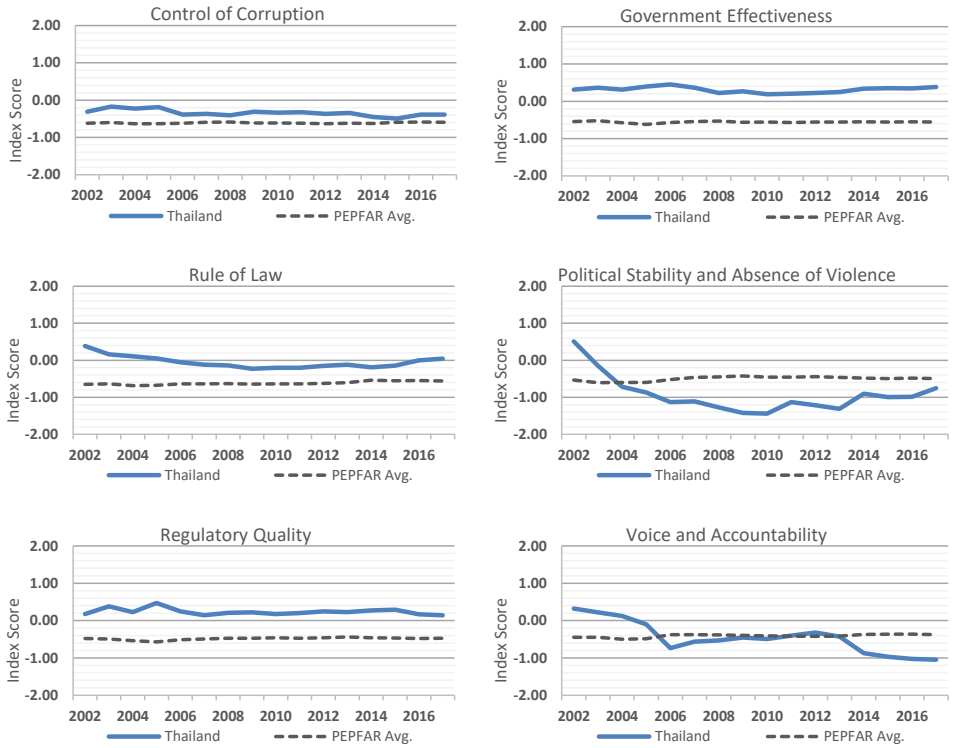
Contextual Governance Indicators

Rule of Law Index (World Justice Project)





Worldwide Governance Indicators (World Bank)



WJP's Rule of Law Index measures the general public's experience and perception across eight 'factors':

1. Constraints on Government Powers: Governmental powers are limited by both internal and external checks, including auditing and review. Governmental officials are subject to the law and sanctioned for misconduct.

2. Absence of Corruption: Government officials in all branches of government do not use public office for private gain.

3. Open Government: Citizens have open access to government information and data, complaint mechanisms, and civic participation.

4. Fundamental Rights: There is equal treatment of citizens and absence of discrimination. The rights to freedom of expression, security of the person, and due process are effectively guaranteed.

5. Order and Security: Crime and civil conflict are effectively limited. Personal grievances are not redressed through violence.

6. Regulatory Enforcement: Government regulations are effectively applied and enforced without improper influence. Due process is respected in administrative proceedings.

7. Civil Justice: Civil justice is accessible and free of discrimination, corruption and improper government influence.

8. Criminal Justice: Criminal justice is impartial, timely and effective, and free from corruption or improper government influence. There is due process of law and rights of the accused.

More information can be found at: https://worldjusticeproject.org/our-work/research-and-data/wjp-rule-law-index-2019

The World Bank Worldwide Governance Indicators (WGI) score countries based on six dimensions of governance:

1. Control of Corruption: captures perceptions of the extent to which public power is exercised for private gain, including both petty and grand forms of corruption, as well as 'capture' of the state by elites and private interests.

2. Government Effectiveness: measures the quality of public services, the quality of the civil service and its independence from political pressure, the quality of policy formulation and implementation (including the efficiency of revenue mobilization and budget management), and the credibility of the government's commitment to its stated policies.

3. Rule of Law: captures perceptions of the extent to which agents have confidence in and abide by the rules of society, and in particular the quality of contract enforcement, property rights, the police, and the courts, as well as the likelihood of crime and violence.

4. Political Stability and Absence of Violence: measures perceptions of the likelihood of political instability and/or politically-motivated violence, including terrorism.

5. Regulatory Quality: Measures perceptions of the ability of the government to formulate and implement sound policies and regulations that permit and promote private sector development.

6. Voice and Accountability: captures perceptions of the extent to which a country's citizens are able to participate in selecting their government, as well as freedom of expression, freedom of association, and a free media.

More information can be found at: https://info.worldbank.org/governance/wgi/

Domain A. Governance, Leadership, and Accountability

What Success Looks Like: Host government upholds a transparent and accountable resolve to be responsible to its citizens and international stakeholders for achieving planned HIV/AIDS results, is a good steward of HIV/AIDS finances, widely disseminates program progress and results, provides accurate information and education on HIV/AIDS, and supports mechanisms for eliciting feedback. Relevant government entities take actions to create an enabling policy and legal environment, ensure good stewardship of HIV/AIDS resources, create space for and promote participation of the private sector, and provide technical and political leadership to coordinate an effective national HIV/AIDS response.

1. Planning and Coordination: Host country develops, implements, and oversees a costed multiyear national strategy and serves as the preeminent architect and convener of a coordinated HIV/AIDS response in the country across all levels of government and key stakeholders, civil society and the private sector.			**Data Source**	**Notes/Comments**
1.1 Content of National Strategy: Does the country have a multi-year, costed national strategy to respond to HIV?	○ A. There is no national strategy for HIV/AIDS ◉ B. There is a multiyear national strategy. Check all that apply: ☑ It is costed ☑ It has measurable targets. ☑ It is updated at least every five years ☑ Strategy includes all crucial response components for prevention and treatment (HIV testing, treatment and care [including children and adolescents], PMTCT, transition from 'catchup' to sustainable VMMC if country performs VMMCs, scale-up of viral load, EID, and other key metrics) ☑ Strategy includes explicit plans and activities to address the needs of key populations. ☑ Strategy includes all crucial response components to mitigate the impact of HIV on vulnerable children ☑ Strategy (or separate document) includes considerations and activities related to sustainability	1.1 Score: 2.50	https://www.aidsdatahub.org/sites/default/files/publication/Thailand_National_Operational_Plan_Accelerating_Ending_AIDS_2015-2019.pdf http://aidssti.ddc.moph.go.th/contents/view/1759	National policy and strategy costed but no identification of funding sources. This nationa+L4l strategy has to be used as advocacy tool for seeking funding support from government budget request system and others sources. The national operation plan does not include mechanisms to fund activities. Strategy and identified costs are based on the HIV burden. Sustainability has been discussed in recent years (3 years). New strategic plan (2560-2573) has been under costing development process.

1.2 Participation in National Strategy Development: Who actively participates in development of the country's national HIV/AIDS strategy?	○ A. There is no national strategy for HIV/AIDS ◉ B. The national strategy is developed with participation from the following stakeholders (check all that apply): ☑ Its development was led by the host country government ☑ Civil society actively participated in the development of the strategy ☐ Private health sector providers, facilities, and training institutions, actively participated in the development of the strategy ☑ Businesses and the corporate sector actively participated in the development of the strategy including workplace development and corporate social responsibility (CSR) ☑ External agencies (i.e. donors, other multilateral orgs., etc.) supporting HIV services in-country participated in the development of the strategy	1.2 Score: 2.00	http://aidssti.ddc.moph.go.th/contents/view/1759	Private sector taken part in discussion and involved in activities but not in the national strategic plan. Start to have condom industry & Real estate for CBO support. Direct observation and participation by USG staff who were presence in the development process
1.3 Coordination of National HIV Implementation: To what extent does the host country government coordinate all HIV/AIDS activities implemented in the country, including those funded or implemented by CSOs, private sector, and donor implementing partners?	Check all that apply: ☑ There is an effective mechanism within the host country government for internally coordinating HIV/AIDS activities implemented by various government ministries, institutions, offices, etc. ☑ The host country government routinely tracks and maps HIV/AIDS activities of: ☑ civil society organizations ☑ private sector (including health care providers and/or other private sector partners) ☑ donors ☑ The host country government leads a mechanism or process (i.e. committee, working group, etc.) that routinely convenes key internal and external stakeholders and implementers of the national response for planning and coordination purposes. ☑ Joint operational plans are developed that include key activities of implementing organizations. ☐ Duplications and gaps among various government, CSO, private sector, and donor activities are systematically identified and addressed.	1.3 Score: 2.00	Direct participation and observation by USG staff who were present in the process.	Yes, the effectiveness of coordination and implementation can be further improved. Government leads GFATM proposal development that involves these discussions. Noted that this 2017 indicated to have the most effective approach in outlining different funding resources.

1.4 Sub-national Unit Accountability: Is there a mechanism by which sub-national units are accountable to national HIV/AIDS goals or targets? (note: equal points for either checkbox under option B)	○ A. There is no formal link between the national plan and sub-national service delivery. ◉ B. There is a formal link between the national plan and sub-national service delivery. (Check the ONE that applies.) ☑ Sub-national units have performance targets that contribute to aggregate national goals or targets. ☐ The central government is responsible for service delivery at the sub-national level.	1.4 Score:	2.50	Key informant discussion and stakeholder review 9 Sep 19	Division of AIDS and STI (DAS) has worked with provincial team to develop provincial operation plan to end AIDS in 13 provinces with funding support from GFATM and PEPFAR. Provincial targets were estimated using AEM and performance acheivements were monitored and aggregated to be national performance.
		Planning and Coordination Score:	**9.00**		Score decreased from SID2017 due to no private sector engagement in policy development

2. Policies and Governance: Host country develops, implements, and oversees a wide range of policies, laws, and regulations that will achieve coverage of high impact interventions, ensure social and legal protection and equity for those accessing HIV/AIDS services, eliminate stigma and discrimination, and sustain epidemic control within the national HIV/AIDS response.			**Data Source**	**Notes/Comments**
2.1 WHO Guidelines for ART Initiation: Does current national HIV/AIDS technical practice follow current WHO guidelines for initiation of ART - i.e., optimal ART regimens for all populations (including TLD as recommended)?	For each category below, check yes or no to indicate if current national HIV/AIDS technical practice follows current WHO guidelines on optimal ART regimens for each of the following: A. Adults (>19 years) ☑ Yes ☐ No B. Pregnant and Breastfeeding Mothers ☑ Yes ☐ No C. Adolescents (10-19 years) ☑ Yes ☐ No D. Children (<10 years) ☑ Yes ☐ No	2.1 Score: 0.91	http://www.thaiaidssociety.org/index.php?option=com_content&view=article&id=79&Itemid=86	

2.2 Enabling Policies and Legislation: Are there policies or legislation that govern HIV/AIDS service delivery or policies and legislation on health care which is inclusive of HIV service delivery? Note: If one of the listed policies differentiates policy for specific groups, please note in the Notes/Comments column.	Check all that apply: ☑ A national public health services act that includes the control of HIV ☐ A task-shifting policy that allows trained non-physician clinicians, midwives, and nurses to initiate and dispense ART ☑ A task-shifting policy that allows trained and supervised community health workers to dispense ART between regular clinical visits ☑ Policies that permit patients stable on ART to have reduced clinical visits (i.e. every 6-12 months) ☑ Policies that permit patients stable on ART to have reduced ARV pickups (i.e. every 3-6 months) ☑ Policies that permit streamlined ART initiation, such as same day initiation of ART for those who are ready ☑ Legislation to ensure the well-being and protection of children, including those orphaned and made vulnerable by HIV/AIDS ☑ Policies that permit HIV self-testing ☑ Policies that permit pre-exposure prophylaxis (PrEP) ☑ Policies that permit post-exposure prophylaxis (PEP) ☑ Policies that allow HIV testing without parental consent for adolescents, starting at age 15 ☑ Policies that allow HIV-infected adolescents, starting at age 15, to seek HIV treatment without parental consent	2.2 Score: 0.83	Key informant discussion and stakeholder review 9 Sep 19 http://www.thaiaidssociety.org/index.php?option=com_content&view=article&id=79&Itemid=86 http://www.fda.moph.go.th/sites/Medical/MinistryofHealth/%E0%B8%9B%E0%B8%A3%E0%B8%B0%E0%B8%81%E0%B8%B2%E0%B8%A8%E0%B8%81%E0%B8%A3%E0%B8%B0%E0%B8%97%E0%B8%A3%E0%B8%A7%E0%B8%87%E0%B8%AA%E0%B8%B2%E0%B8%98%E0%B8%B2%E0%B8%A3%E0%B8%93%E0%B8%AA%E0%B8%B8%E0%B8%82%20%E0%B9%80%E0%B8%A3%E0%B8%B7%E0%B9%88%E0%B8%AD%E0%B8%87%20%E0%B8%8A%E0%B8%B8%E0%B8%94%E0%B8%95%E0%B8%A3%E0%B8%A7%E0%B8%88%E0%B8%97%E0%B8%B5%E0%B9%88%E0%B9%80%E0%B8%81%E0%B8%B5%E0%B9%88%E0%B8%A2%E0%B8%A7%E0%B8%82%E0%B9%89%E0%B8%AD%E0%B8%87%E0%B8%81%E0%B8%B1%E0%B8%9A%E0%B8%81%E0%B8%B2%E0%B8%A3%E0%B8%95%E0%B8%A3%E0%B8%A7%E0%B8%88%E0%B8%84%E0%B8%B1%E0%B8%94%E0%B8%81%E0%B8%A3%E0%B8%AD%E0%B8%87%E0%B8%81%E0%B8%B2%E0%B8%A3%E0%B8%95%E0%B8%B4%E0%B8%94%E0%B9%80%E0%B8%8A%E0%B8%B7%E0%B9%89%E0%B8%AD%E0%B9%80%E0%B8%AD%E0%B8%8A%E0%B9%84%E0%B8%AD%E0%B8%A7%E0%B8%B5%E0%B8%94%E0%B9%89%E0%B8%A7%E0%B8%A2%E0%B8%95%E0%B8%99%E0%B9%80%E0%B8%AD%E0%B8	

2.3 User Fees for HIV Services: Are HIV infected persons expected or likely to be asked to pay user fees, either formal or informal, for any HIV services in the public sector: clinical, laboratory, testing, prevention and others? Note: "Formal" user fees are those established in policy or regulation by a government or institution.	Check all that apply: ☑ No, neither formal nor informal user fees exist. ☐ Yes, formal user fees exist. ☐ Yes, informal user fees exist.	2.3 Score: 0.91	Key informant discussion and stakeholder review 9 Sep 19	UHC and national AIDS Program generally cover HIV treatment and care related cost. However, in case of pre-ART laboratory and OIs treatment cost are covered by per captita which entitled to service catchment area. Clients can choose ART service at any facilities which can be different from their eligible UHC facilities. This may cause some fees to be paid by clients, absorbed by health facilities or transfering client's UHC to same ART location.
2.4 User Fees for Other Health Services: Are HIV infected persons expected or likely to be asked to pay user fees, either formal or informal, for any non-HIV services in the public sector, such as MCH/SRH, TB, outpatient registration, hospitalizations, and others? Note: "Formal" user fees are those established in policy or regulation by a government or institution.	Check all that apply: ☑ No, neither formal nor informal user fees exist. ☐ Yes, formal user fees exist. ☐ Yes, informal user fees exist.	2.4 Score: 0.91	Key informant discussion and stakeholder review 9 Sep 19	
2.5 Data Protection: Does the country have policies in place that support the collection and appropriate use of patient-level data for health, including HIV/AIDS?	The country has policies in place that (check all that apply): ☑ Govern the collection of patient-level data for public health purposes, including surveillance ☑ Govern the collection and use of unique identifiers such as national ID for health records ☑ Govern the privacy and confidentiality of health outcomes matched with personally identifiable information ☑ Govern the use of patient-level data, including protection against its use in crimincal cases	2.5 Score: 0.91	http://etcommission.go.th/home/article-dp-topic-conclusion-dp.html (Personal Information Protection Act) https://www.ipthailand.go.th/images/633/law_info2540.pdf (Government Information Act 1997)	Individual health information has been protected under current Government Information Act 1997. There has been another act in drafting a cabinet revew process in which related to personal information protection and use of ICT.

2.6 Legal Protections for Key Populations: Does the country have laws or policies that specify protections (not specific to HIV) for specific populations?	Check all that apply: Transgender people (TG): ☑ Constitutional prohibition of discrimination based on gender diversity ☑ Prohibitions of discrimination in employment based on gender diversity ☐ A third gender is legally recognized ☑ Other non-discrimination provisions specifying gender diversity (note in comments) Men who have sex with men (MSM): ☑ Constitutional prohibition of discrimination based on sexual orientation ☑ Hate crimes based on sexual orientation are considered an aggravating circumstance ☑ Incitement to hatred based on sexual orientation prohibited ☐ Prohibition of discrimiation in employment based on sexual orientation ☐ Other non-discrimination provisions specifying sexual orientation Female sex workers (FSW): ☐ Constitutional prohibition of discrimination based on occupation ☐ Sex work is recognized as work ☐ Other non-discrimination protections specifying sex work (note in comments)	2.6 Score: 0.40	Note: This question is adapted from questions asked in the revised UNAIDS NCPI (2016). If your country has completed the new NCPI, you may use it as a data source to answer this question.	Education, marriage of same sex is allowable. Accept by social norm. Dressing by gender prefernce allowance by government universities.

	People who inject drugs (PWID): ☐ Specific antidiscrimination laws or other provisions for people who use drugs (specify in comments) ☑ Explicit supportive reference to harm reduction in national policies ☐ Policies that address the specific needs of women who inject drugs			
2.7 Legal Protections for Victims of Violence: Does the country have protections in place for victims of violence?	The country has the following to protect key populations and people living with HIV (PLHIV) from violence: ☑ General criminal laws prohibiting violence ☐ Specific legal provisions prohibiting violence against people based on their HIV status or belonging to a key population ☑ Programs to address intimate partner violence ☑ Programs to address workplace violence ☑ Interventions to address police abuse ☑ Interventions to address torture and ill treatment in prisons ☑ A national plan or strategy to address gender-based violence and violence against women that includes HIV ☑ Legislation on domestic violence ☑ Criminal penalties for domestic violence ☑ Criminal penalties for violence against children	2.7 Score: 0.82	Note: This question is adapted from questions asked in the revised UNAIDS NCPI (2016). If your country has completed the new NCPI, you may use it as a data source to answer this question.	

2.8 Structural Obstacles: Does the country have laws and/or policies that present barriers to delivery of HIV prevention, testing and treatment services or the accessibility of these services?	**For each question, select the most appropriate option:** Are transgender people criminalized and/or prosecuted in the country? ☐ Both criminalized and prosecuted ☐ Criminalized ☐ Prosecuted ☑ Neither criminalized nor prosecuted Is cross-dressing criminalized in the country? ☐ Yes ☐ Yes, only in parts of the country ☐ Yes, only under certain circumstances ☑ No Is sex work criminalized in your country? ☑ Selling and buying sexual services is criminalized ☐ Selling sexual services is criminalized ☐ Buying sexual services is criminalized ☐ Partial criminalization of sex work ☐ Other punitive regulation of sex work ☐ Sex work is not subject to punitive regulations or is not criminalized. ☐ Issue is determined/differs at subnational level	2.8 Score: 0.66	Note: This question is adapted from questions asked in the revised UNAIDS NCPI (2016). If your country has completed the new NCPI, you may use it as a data source to answer this question.	

Does the country have laws criminalizing same-sex sexual acts?

- ☐ Yes, death penalty
- ☐ Yes, imprisonment (14 years - life)
- ☐ Yes, imprisonment (up to 14 years)
- ☐ No penalty specified
- ☐ No specific legislation
- ☑ Laws penalizing same-sex sexual acts have been decriminalized or never existed

Does the country maintain the death penalty in law for people convicted of drug-related offenses?

- ☐ Yes, with high application (sentencing of people convicted of drug offenses to death and/or carrying out executions are a routine and mainstreamed part of the criminal justice system)
- ☑ Yes, with low application (executions for drug offenses may have been carried out in recent years, but in practice such penalties are relatively rare)
- ☐ Yes, with symbolic application (the death penalty for drug offenses is included in legislation, but executions are not carried out)
- ☐ No

Does the country have laws criminalizing the transmission of, non-disclosure of, or exposure to HIV transmission?

- ☐ Yes
- ☑ No, but prosecutions exist based on general criminal laws
- ☐ No

Does the country have policies restricting the entry, stay, and residence of people living with HIV (PLHIV)?

- ☐ Yes
- ☑ No

	Does the country have other punitive laws affecting lesbian, gay, bisexual, transgender, and intersex (LGBTI) people? ☐ Yes, promotion ("propaganda") laws ☐ Yes, morality laws or religious norms that limit LGBTI freedom of expression and association ☑ No			
2.9 Rights to Access Services: Recognizing the right to nondiscriminatory access to HIV services and support, does the government have efforts in place to educate and ensure the rights of PLHIV, key populations, adolescents, and those who may access HIV services about these rights?	There are host country government efforts in place as follows (check all that apply): ☑ To educate PLHIV about their legal rights in terms of access to HIV services ☐ To educate key populations about their legal rights in terms of access to HIV services ☑ National law exists regarding health care privacy and confidentiality protections ☑ Government provides financial support to enable access to legal services if someone experiences discrimination, including redress where a violation is found	2.9 Score: 0.68	Key informant discussion and stakeholder review 9 Sep 19	
2.10 Audit: Does the host country government conduct a national HIV/AIDS program audit or audit of Ministries that work on HIV/AIDS on a regular basis (excluding audits of donor funding that are through government financial systems)?	○ A. No audit is conducted of the National HIV/AIDS Program or other relevant ministry. ○ B. An audit is conducted of the National HIV/AIDS program or other relevant ministries every 4 years or more. ◉ C. An audit is conducted of the National HIV/AIDS program or other relevant ministries every 3 years or less.	2.10 Score: 0.91	Key informant discussion and stakeholder review 9 Sep 19 https://www.audit.go.th/th/standard	Government budget has been under routine government system (annually) by external auditing department and internal finance department.
2.11 Audit Action: To what extent does the host country government respond to the findings of a HIV/AIDS audit or audit of Ministries that work on HIV/AIDS?	○ A. Host country government does not respond to audit findings, or no audit of the national HIV/AIDS program is conducted. ○ B. The host country government does respond to audit findings by implementing changes as a result of the audit. ◉ C. The host country government does respond to audit findings by implementing changes which can be tracked by legislature or other bodies that hold government accountable.	2.11 Score: 0.91	Key informant discussion and stakeholder review 9 Sep 19 https://www.audit.go.th/th/standard	Wrtten report of gaps, findings need to be addressed by corresponsing units for both internal and external auditors.
		Policies and Governance Score: 8.85		

3. Civil Society Engagement: Local civil society is an active partner in the HIV/AIDS response through service delivery provision when appropriate, advocacy efforts as needed, and as a key stakeholder to inform the national HIV/AIDS response. There are mechanisms for civil society to review and provide feedback regarding public programs, services and fiscal management and civil society is able to hold government institutions accountable for the use of HIV/AIDS funds and for the results of their actions.			**Data Source**	**Notes/Comments**
3.1 Civil Society and Accountability for HIV/AIDS: Are there any laws or policies that restrict civil society from playing an oversight role in the HIV/AIDS response?	○ A. There exists a law or laws that restrict civil society from playing an oversight role in the HIV/AIDS response. ○ B. There are no laws that restrict civil society playing a role in providing oversight of the HIV/AIDS response but in practice, it does not happen. ◉ C. There are no laws or policies that prevent civil society from providing an oversight of the HIV/AIDS response and civil society is very actively engaged in providing oversight.	3.1 Score: 1.67	https://www.nhso.go.th/frontend/page-contentdetail.aspx?CatID=MTAxMw==	4 CSO representation are board quality control committee of National Health Security Office. At least one of them is PLHIV network NGO.
3.2 Government Channels and Opportunities for Civil Society Engagement: Does host country government have formal channels or opportunities for diverse civil society groups to engage and provide feedback on its HIV/AIDS policies, programs, and services (not including Global Fund CCM civil society engagement requirements)?	Check A, B, or C; if C checked, select appropriate disaggregates: ○ A. There are no formal channels or opportunities. ○ B. There are formal channels or opportunities, but civil society is called upon in an ad hoc manner to provide inputs and feedback. ◉ C. There are functional formal channels and opportunities for civil society engagement and feedback. Check all that apply: ☑ During strategic and annual planning ☑ In joint annual program reviews ☑ For policy development ☑ As members of technical working groups ☑ Involvement on government HIV/AIDS program evaluation teams ☑ Involvement in surveys/studies ☑ Collecting and reporting on client feedback ☑ Service delivery	3.2 Score: 1.67	Key informant discussion and stakeholder review 9 Sep 19	

3.3 Impact of Civil Society Engagement: Does civil society engagement substantively impact policy, programming, and budget decisions related to HIV/AIDS?	○ A. Civil society does not actively engage, or civil society engagement does not impact policy, programming, and budget decisions related to HIV/AIDS. ◉ B. Civil society's engagement impacts HIV/AIDS policy, programming, and budget decisions (check all that apply): ☑ In policy design ☑ In programmatic decision making ☑ In technical decision making ☑ In service delivery ☑ In HIV/AIDS basket or national health financing decisions	3.3 Score: 1.67	Key informant discussion and stakeholder review 9 Sep 19	
3.4 Domestic Funding of Civil Society: To what extent are HIV/AIDS related Civil Society Organizations funded domestically (either from government, private sector, or self generated funds)? (if exact or approximate overall percentage known, or the percentages from the various domestic sources, please note in Comments column)	○ A. No funding (0%) for HIV/AIDS related civil society organizations comes from domestic sources. ○ B. Minimal funding (approx. 1-9%) for HIV/AIDS related civil society organizations comes from domestic sources (not including Global Fund grants through government Principal Recipients). ◉ C. Some funding (approx. 10-49%) for HIV/AIDS related civil society organizations comes from domestic sources (not including Global Fund grants through government Principal Recipients). ○ D. Most funding (approx. 50-89%) for HIV/AIDS related civil society organizations comes from domestic sources (not including Global Fund grants through government Principal Recipients). ○ E. All or almost all funding (approx. 90%+) for HIV/AIDS related civil society organizations comes from domestic sources (not including Global Fund grants through government Principal Recipients).	3.4 Score: 1.67	Key informant discussion and stakeholder review 9 Sep 19	The CSO funding from domestic resources has been increased from 18% to 32% in 2018, estimated by UNAIDS Thailand).
3.5 Civil Society Enabling Environment: Are there laws, policies, or regulations in place which permit CSOs to be funded from a government budget for HIV services through open competition (from any Ministry or Department, at any level - national, regional, or local)? Note: This sometimes referred to as "social contracting" or "social procurement."	○ A. There is no law, policy, or regulation which permits CSOs to be funded from a government budget for HIV Services through open competition (not to include Global Fund or other donor funding to government that goes to CSOs). ◉ B. There is a law, policy or regulation which permits CSOs to be funded from a government budget for HIV services. Check all that apply: ☑ Competition is open and transparent (notices of opportunities are made public) ☑ Opportunities for CSO funding are made on an annual basis ☐ Awards are made in a timely manner (within 6-12 months of announcements) ☐ Payments are made to CSOs on time for provision of services	3.5 Score: 1.25	Key informant discussion and stakeholder review 9 Sep 19	The funding from NHSO to CBO has been approved and attempt made to make it timely however, it practice delay in budget transfer was still reported. Funding criteria based on protion of services approach (RRTT) was not practical. It was suggested that more effective and practical management for funding and faster funding allocation should be done.

Civil Society Engagement Score:	**7.92**	The overall score decreased from SID 2017 due to comment from CSO stakeholders for delayed in doemestic award and payment made to CSO which did not allow sufficient time to implement the program.

4. Private Sector Engagement: Global as well as local private sector (both private health care providers and private business) is an active partner in the HIV/AIDS response through service delivery provision when appropriate, advocacy efforts as needed, innovation, and as a key stakeholder to inform the national HIV/AIDS response. There are supportive policies and mechanisms for the private sector to engage and to review and provide feedback regarding public programs, services and fiscal management of the national HIV/AIDS response. The public uses the private sector for HIV service delivery at a similar level as other health care needs.			**Data Source**	**Notes/Comments**
4.1 Government Channels and Opportunities for Private Sector Engagement: Does the host country government have formal channels and opportunities for diverse private sector entities (including service delivery, corporations, and private training institutions) to engage and provide feedback on its HIV/AIDS policies, programs, and services? (If option B is true, check all subsequent boxes that apply.)	○ A. There are no formal channels or opportunities for private sector engagement. ◉ B. There are formal channels or opportunities for private sector engagement. i. The following private sector stakeholders formally contribute input into national or sub-national processes for HIV/AIDS planning and strategic development (check all that apply): ☑ Corporations ☐ Employers ☐ Private training institutions ☑ Private health service delivery providers ii. Stakeholders contribute in the following ways (check all that apply): ☐ The private sector contributes technical expertise into HIV program planning ☐ Data and strategic input into supply chain management for HIV commodities ☑ Service delivery and/or client satisfaction data from private service delivery providers is included in health sector and HIV program planning ☐ Data on staffing in private health service delivery providers ☐ Data on private training institution's human resources for health (HRH) graduates and placements are included in health sector and HIV program planning ☐ For technical advisory on best practices and delivery solutions	4.1 Score: 0.83	Key informant discussion and stakeholder review 9 Sep 19	

	iii. The national HIV/AIDS strategic plan explicitly addresses private sector's role in the HIV/AIDS response (check all that apply): ☑ The national HIV/AIDS strategic plan has a specific section that specifies the private sector's role in the HIV/AIDS response. ☐ A recent (within past 4 years) market analysis informs the private sector strategy that is included in the HIV/AIDS strategic plan ☐ The government and private sector effectively coordinates and executes a total market approach for HIV service delivery, which accounts for whether people are able and/or willing to pay for HIV services.			
4.2 Enabling Environment for Private Corporate Contributions to HIV/AIDS Programming: Does the host country government have systems and policies in place that allow for private corporate contributions to HIV/AIDS programming?	Check all that apply: ☐ Tax policies and incentives are designed to encourage corporate social responsibility efforts from companies who are contributing financial commitments and/or non-financial resources (including, but not limited to, product donations, expertise, and employee staff time). ☑ The host country government has in-house expertise in contracting services to private sector corporations when appropriate and necessary (e.g., transportation and waste management). ☐ The host country government has standards for reporting and sharing data across public and private sectors. ☑ Regulations help ensure that workplace programs align with the national HIV/AIDS program (e.g., medical leave policies, on-site testing, on-site prevention and education, anti-discrimination policies). ☐ There are strong linkage and referral networks between on-site workplace programs and public health care facilities.	4.2 Score: 1.00	Key informant discussion and stakeholder review 9 Sep 19	

4.3 Enabling Environment for Private Health Service Delivery: Does the host country government have systems and policies in place that allow for private health service delivery? Note: Full score possible without checking all boxes.	○ A. Private health service delivery providers are not legally allowed to deliver HIV/AIDS services. ○ B. The host country government plans to allow private health service delivery providers to provide HIV/AIDS services in the next two years. ◉ C. Private health service delivery providers are legally allowed to deliver HIV/AIDS services. In addition (check all that apply): ☑ Policies are in place to ensure that private providers receive, understand, and adhere to national guidelines/protocols for ART, and appropriate quality standards and certifications. ☑ Systems are in place for service provision and/or research reporting by private facilities to the government, including guidelines for data reporting. ☐ Joint (i.e., public-private) supervision and quality oversight of private facilities. ☐ The government offers tax deductions for private facilities delivering HIV/AIDS services. ☐ The government offers tax deductions for private training institutions. ☑ The private sector is eligible to procure HIV/AIDS and/or ART commodities via public sector procurement channels and/or national medical stores ☑ The host country government has formal contracting or service-level agreement procedures to compensate private facilities for HIV/AIDS services. ☑ HIV/AIDS services received in private facilities are eligible for reimbursement through national health insurance schemes ☑ There are open competitions for private health care providers to compete for government service contracts ☑ There is a systematic and timely process for private company registration and/or testing of new health products (e.g., drugs, diagnostic kits, medical devices, etc.) that support HIV/AIDS programming ☑ The government effectively regulates the flow of subsidized commodities into the private sector. ☐ Private Banks or lenders provide access to low interest loans prioritizing private health sector small and medium-sized enterprise (SME) development and expansion.	4.3 Score: 2.36	Key informant discussion and stakeholder review 9 Sep 19	Private health services who participated to NAP or SSS program have followed national HIV management guidelines and SOP of fund management. The services provision are controled by reimbursement and auditing system. The SOPs of each fund are used for both public and private health services. Private health service who not under the UCS or SSS may have their own standard of practices

4.4 Private Sector Capability and Interest: Does the private sector possess the capability to support HIV/AIDS services, and do private sector stakeholders demonstrate interest in supporting the national HIV/AIDS response?	○ A. The host country government does not leverage the skill sets of the private sector for the national HIV/AIDS response. ○ B. The private sector does not express interest in or actively seek out opportunities to support the national HIV/AIDS response. ◉ C. The private sector has expertise and has expressed interest in or actively seeks out (check all that apply): ☐ Market opportunities that align with and support the national HIV/AIDS response ☑ Opportunities to contribute financial and/or non-financial resources to the national response (including business skills, market research, logistics, communication, research and development, product design, brand awareness, and innovation)	4.4 Score: 1.25	Key informant discussion and stakeholder review 9 Sep 19	There has no market analysis or study of how private sector can contribute to national HIV response. It was unclear role and what sector, private sector can strategically engage in the setting like Thailand where public health system is robust and are major health care providers.
		Private Sector Engagement Score: **5.44**		

5. Public Access to Information: Host government widely disseminates timely and reliable information on the implementation of HIV/AIDS policies and programs, including goals, progress and challenges towards achieving HIV/AIDS targets, as well as fiscal information (public revenues, budgets, expenditures, large contract awards , etc.) related to HIV/AIDS. Program and audit reports are published publically. Efforts are made to ensure public has access to data through print distribution, websites, radio or other methods of disseminating information.			**Source of Data**	**Notes/Comments**
5.1 Surveillance Data Transparency: Does the host country government ensure that national HIV/AIDS surveillance data and analyses are made available to stakeholders and general public in a timely and useful way?	○ A. The host country government does not make HIV/AIDS surveillance data available to stakeholders and the general public, or they are made available more than one year after the date of collection. ○ B. The host country government makes HIV/AIDS surveillance data available to stakeholders and the general public within 6-12 months. ◉ C. The host country government makes HIV/AIDS surveillance data available to stakeholders and the general public within six months.	5.1 Score: 2.00		Surveillance and survey data available for stakeholders within 6 months but for general public was within 12 months due to data cleaning and finalizing process. Usually data was used for program planning, proposal writing (GF, PEPFAR, NHSO) and/or improvement before dissemination to public.
5.2 Expenditure Transparency: Does the host country government make annual HIV/AIDS expenditure data available to stakeholders and the public in a timely and useful way?	○ A. The host country government does not track HIV/AIDS expenditures. ○ B. The host country government does not make HIV/AIDS expenditure data available to stakeholders and the general public, or they are made available more than one year after the date of expenditures. ◉ C. The host country government makes HIV/AIDS expenditure data available to stakeholders and the general public within 6-12 months after date of expenditures. ○ D. The host country government makes HIV/AIDS expenditure data available to stakeholders and the general public within six months after expenditures.	5.2 Score: 1.00	https://www.nhso.go.th/frontend/page-about_result.aspx	NHSO annual report includes HIV/AIDS expenditures which are the major service purchaser and cover 75% of population. Data from NHSO annual report is available within 6 months after the end of the fiscal year. NASA reports more details annual expenditures but collects data every two years.

5.3 Performance and Service Delivery Transparency: Does the host country government make annual HIV/AIDS program performance and service delivery data available to stakeholders and the public in a timely and useful way?	○ A. The host country government does not make HIV/AIDS program performance and service delivery data available to stakeholders and the general public or they are made available more than one year after the date of programming. ○ B. The host country government makes HIV/AIDS program performance and service delivery data available to stakeholders and the general public within 6-12 months after date of programming. ◉ C. The host country government makes HIV/AIDS program performance and service delivery data available to stakeholders and the general public within six months after date of programming . At what level of detail is this performance data reported? [CHECK ALL THAT APPLY] ☑ National ☑ District ☑ Site-Level	5.3 Score:	2.00	http://napdl.nhso.go.th/NAPWebReport/LoginServlet	
5.4 Procurement Transparency: Does the host country government make government HIV/AIDS procurements public in a timely way?	○ A. The host country government does not make any HIV/AIDS procurements. ○ B. The host country government makes HIV/AIDS procurements, but neither procurement tender nor award details are publicly available. ○ C. The host country government makes HIV/AIDS procurements, and tender, but not award, details are publicly available. ◉ D. The host country government makes HIV/AIDS procurements, and both tender and award details available.	5.4 Score:	2.00		

5.5 Institutionalized Education System: Is there a government agency that is explicitly responsible for providing scientifically accurate education to the public about HIV/AIDS?	○ A. There is no government institution that is responsible for this function and no other groups provide education. ○ B. There is no government institution that is responsible for this function but at least one of the following provides education: ☐ Civil society ☐ Media ☐ Private sector ◉ C. There is a government institution that is responsible for, and is providing, scientifically accurate information on HIV/AIDS.	5.5 Score:	2.00	http://aidssti.ddc.moph.go.th/home http://aidssti.ddc.moph.go.th/medias	
		Public Access to Information Score:	**9.00**		

THIS CONCLUDES THE SET OF QUESTIONS ON DOMAIN A

Domain B. National Health System and Service Delivery

What Success Looks Like: Host country institutions (inclusive of government, NGOs, civil society, and the private sector), the domestic workforce, and local health systems constitute the primary vehicles through which HIV/AIDS programs and services are managed and delivered. Optimally, national, sub-national and local governments have achieved high and appropriate coverage of a range of quality, life-saving prevention, treatment, and care services and interventions. There is a high demand for HIV/AIDS services, which are accessible and affordable to poor and vulnerable populations at risk of infection (i.e. key populations, discordant couples, exposed infants), are infected and/or are affected by the HIV/AIDS epidemic.

6. Service Delivery: The host country government at national, sub-national and facility levels facilitates planning and management of, access to and linkages between facility- and community-based HIV services.			**Data Source**	**Notes/Comments**
6.1 Responsiveness of facility-based services to demand for HIV services: Do public facilities respond to and generate demand for HIV services to meet local needs? (Check all that apply.)	☑ Public facilities are able to tailor services to accommodate demand (e.g., modify or add hours/days of operations; add/second additional staff during periods of high patient influx; customize scope of HIV services offered; adapt organization/model of service deliver to patient flow) ☑ Public facilities are able to situate services in proximity to high-HIV burden locations or populations (e.g., mobile clinics) ☑ There is evidence that public facilities in high burden areas and/or serving high-burden populations generate demand for HIV services	6.1 Score: 0.95	Thailand's National AIDS Spending Assessment (NASA) 2016-2017. Bureau of International Policy Development (IHPP), MOPH. In press.	
6.2 Responsiveness of community-based HIV/AIDS services: Has the host country standardized the design and implementation of community-based HIV services? (Check all that apply.)	The host country has standardized the following design and implementation components of community-based HIV/AIDS services through (check all that apply): ☑ Formalized mechanisms of participation by communities, high-burden populations and/or civil society engagement in delivery or oversight of services ☑ National guidelines detailing how to operationalize HIV/AIDS services in communities ☑ Providing official recognition to skilled human resources (e.g. community health workers) working and delivering HIV services in communities ☑ Providing financial support for community-based services ☐ Providing supply chain support for community-based services ☑ Supporting linkages between facility- and community-based services through formalized bidirectional referral services (e.g., use of national reporting systems to refer and monitor referrals for completeness)	6.2 Score: 0.79	http://www.google.co.th/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=2ahUKEwiexbKBscPkAhXNinAKHTVIDUEQFjABegQIAxAC&url=http%3A%2F%2Faidssti.ddc.moph.go.th%2Fcontents%2Fdownload%2F1814&usg=AOvVaw0B-YxnWKUIe7rVbWF7f6dq	NGO community-based or community-led HIV services began to formalize the mechanism under the implementation of GFATM and PEPFAR resources. Com led is important service for specific group of KPs and need to officially support under Thai health context and professional law. To optimize the investment, the country needs to determine the appropriateness and optimal number of com led to establish in compliment to the existing government community and facility-based services. Govnt community-based services start integrating HIV services in primary care centers in some high burden provinces e.g. BMA health centers, primary care units in Khonkaen, Chonburi, etc. There are community-led health services mainly supported by PEPFAR and Global Fund. BATS has standard protocol to assess Drop in Center Service under GF supported activities. However, the standard does not cover lay providers yet.
6.3 Domestic Financing of Service Delivery: To what extent do host country institutions (public, private, or voluntary sector) finance the delivery of HIV/AIDS services (i.e. excluding any external financial assistance from donors)? (if exact or approximate percentage known, please note in Comments column)	○ A. Host country institutions provide no (0%) financing for delivery of HIV/AIDS services ○ B. Host country institutions provide minimal (approx. 1-9%) financing for delivery of HIV/AIDS services ○ C. Host country institutions provide some (approx. 10-49%) financing for delivery of HIV/AIDS services ○ D. Host country institutions provide most (approx. 50-89%) financing for delivery of HIV/AIDS services ◉ E. Host country institutions provide all or almost all (approx. 90%+) financing for delivery of HIV/AIDS services	6.3 Score: 1.67	Thailand's National AIDS Spending Assessment (NASA) 2016-2017. Bureau of International Policy Development (IHPP), MOPH. In press.	89.4% of HIV/AIDS expenditures were from domestice (government) excluding out of pocket (NASA 2016 report). There was an estimated 14000 clients (GAM 2017 report from MOPH) were on ART in private health services (out of pocket or private insurance). It was estimated that at least 90% of HIV finance was domestic funding. Most funding allocated to treatment and care. If diaggregrate by prevention, 85% of prevention budget were from external sources. Domestic resources outside MOPH may be under report due to NASA has not collected the data.

6.4 Domestic Provision of Service Delivery: To what extent do host country institutions (public, private, or voluntary sector) deliver HIV/AIDS services without external technical assistance from donors?	○ A. HIV/AIDS services are primarily delivered by external agencies, organizations, or institutions. ○ B. Host country institutions deliver HIV/AIDS services but with substantial external technical assistance. ○ C. Host country institutions deliver HIV/AIDS services with some external technical assistance. ◉ D. Host country institutions deliver HIV/AIDS services with minimal or no external technical assistance.	6.4 Score: 0.95	Thailand's National AIDS Spending Assessment (NASA) 2016-2017. Bureau of International Policy Development (IHPP), MOPH. In press.	
6.5 Domestic Financing of Service Delivery for Key Populations: To what extent do host country institutions (public, private, or voluntary sector) finance the delivery of HIV/AIDS services to key populations (i.e. without external financial assistance from donors)? (if exact or approximate percentage known, please note in Comments column)	○ A. Host country institutions provide no or minimal (0%) financing for delivery of HIV/AIDS services to key populations, or information is not available. ○ B. Host country institutions provide minimal (approx. 1-9%) financing for delivery of HIV/AIDS services to key populations. ◉ C. Host country institutions provide some (approx. 10-49%) financing for delivery of HIV/AIDS services to key populations. ○ D. Host country institutions provide most (approx. 50-89%) financing for delivery of HIV/AIDS services to key populations. ○ E. Host country institutions provide all or almost all (approx. 90%+) financing for delivery of HIV/AIDS services to key populations.	6.5 Score: 0.83	Key informant discussion and stakeholder meeting 9 Sep 19. NASA 201-2017 report was used to estimate the proportion of international KP funding/financing and concensus by key informants from government, PEPFAR and UNAIDS.	Host country provides ARV treatment and care for all populations (KPs included). However, host country finance for KP prevention service was limited in government facilities. Outreach and community services for KP finance heavily rely on external funding. Exact proportion was unknown.
6.6 Domestic Provision of Service Delivery for Key Populations: To what extent do host country institutions (public, private, or voluntary sector) deliver HIV/AIDS services to key populations without external technical assistance from donors?	○ A. HIV/AIDS services to key populations are primarily delivered by external agencies, organizations, or institutions. ◉ B. Host country institutions deliver HIV/AIDS services to key populations but with substantial external technical assistance. ○ C. Host country institutions deliver HIV/AIDS services to key populations with some external technical assistance. ○ D. Host country institutions deliver HIV/AIDS services to key populations with minimal or no external technical assistance.	6.6 Score: 0.32	Key informant discussion and stakeholder meeting 9 Sep 19 Thailand's National AIDS Spending Assessment (NASA) 2016-2017. Bureau of International Policy Development (IHPP), MOPH. In press.	
6.7 Management and Monitoring of HIV Service Delivery: Does an administrative entity, such as a national office or Bureau/s, exist with specific authority to manage - plan, monitor, and provide guidance - for HIV service delivery activities including practice standards, quality, health outcomes, and information monitoring across all sectors. Select only ONE answer.	○ A. No, there is no entity. ○ B. Yes, there is an entity, but it has limited authority, insufficient staff, and insufficient budget. ◉ C. Yes, there is an entity with authority and sufficient staff, but not a sufficient budget. ○ D. Yes, there is an entity with authority and sufficient staff and budget.	6.7 Score: 0.63	Key informant discussion and stakeholder meeting 9 Sep 19	

6.8 National Service Delivery Capacity: Do national health authorities have the capacity to effectively plan and manage HIV services?	National health authorities (check all that apply): ☑ Translate national policies/strategies into sub-national level HIV/AIDS strategic plan and response activities. ☑ Use epidemiologic and program data to measure effectiveness of sub-national level programs in delivering needed HIV/AIDS services in right locations. ☐ Assess current and future staffing needs based on HIV/AIDS program goals and budget realities for high burden locations. ☑ Develop sub-national level budgets that allocate resources to high burden service delivery locations. ☑ Effectively engage with civil society in program planning and evaluation of services. ☑ Design a staff performance management plan to assure that staff working at high burden sites maintain good clinical and technical skills, such as through training and/or mentorship.	6.8 Score: 0.79	Key informant discussion and stakeholder meeting 9 Sep 19	No specific analysis of staffing needs to HIV program. Staffing needs are generally analyzed along with the whole workload and staffing allocation of MOPH.
6.9 Sub-national Service Delivery Capacity: Do sub-national health authorities (i.e., district, provincial) have the capacity to effectively plan and manage HIV services sufficiently to achieve sustainable epidemic control?	Sub-national health authorities (check all that apply): ☑ Translate national policies/strategies into sub-national level HIV/AIDS strategic plan and response activities. ☑ Use epidemiologic and program data to measure effectiveness of sub-national level programs in delivering needed HIV/AIDS services in right locations. ☐ Assess current and future staffing needs based on HIV/AIDS program goals and budget realities for high burden locations. ☑ Develop sub-national level budgets that allocate resources to high burden service delivery locations. ☐ Effectively engage with civil society in program planning and evaluation of services. ☑ Design a staff performance management plan to assure that staff working at high burden sites maintain good clinical and technical skills, such as through training and/or mentorship.	6.9 Score: 0.63	Key informant discussion and stakeholder meeting 9 Sep 19	No specific analysis of staffing needs to HIV program. Staffing needs are generally analyzed along with the whole workload and staffing allocation of MOPH.
		Service Delivery Score **7.58**		The score decreased from SID2017 due to no standardized protocol for supply chain to community-based services. Not sufficient budget of entity with authority. Effective engage with civil society in program planning and evaluation of services delivery at sub-national level

7. Health Workforce: Health workforce staffing decisions for those working on HIV/AIDS are based on use of workforce data and are aligned with national plans. Host country has sufficient numbers and categories of competent health care workers and volunteers to provide quality HIV/AIDS prevention, care and treatment services in health facilities and in the community. Host country trains, deploys and compensates health workers providing HIV/AIDS services through local public and/or private resources and systems. Host country has a strategy or plan for transitioning staff funded by donors.			**Data Source**	**Notes/Comments**
7.1 Health Workforce Supply: To what extent is the clinical health worker supply adequate to enable the volume and quality of HIV/AIDS services needed for sustained epidemic control at the facility and/or community site level?	Check all that apply: ☐ The country's pre-service education institutions are producing an adequate supply and skills mix of clinical health care providers ☐ The country's clinical health workers are adequately deployed to, or distributed within, facilities and communities with high HIV burden ☑ The country has developed retention schemes that address clinical health worker vacancy or attrition in high HIV burden areas ☑ The country's pre-service education institutions are producing an adequate supply and appropriate skills mix of social service workers to deliver social services to vulnerable children	7.1 Score: 0.48	http://www.hiso.or.th/hiso/picture/reportHealth/ThaiHealth2017/thai2017_13.pdf http://bps.moph.go.th/new_bps/sites/default/files/personal_58.pdf รายงานบุคลากรสาธารณสุข https://hr.moph.go.th/person/organization/ภารกิจกลุ่มงานอัตรากำลัง.pdf https://hr.moph.go.th/person/organization/ภารกิจกลุ่มงานอัตรากำลัง.pdf https://human-resources-health.biomedcentral.com/articles/10.1186/1478-4491-11-3	From BPS Report on Public Health Resources 2013: the following rations of health workforce per population were reported: doctor 1: 2035, dentist 1: 9352, pharmacist 1: 5317, professional nurse 1: 436 and technical nurse 1: 9716. From ministerial press release in May 13, 2015, the MOPH forecasted that in 2023, the supply of doctors will be 1: 1500 up to international standard. The is a responsible MOPH unit that conducts HR research and manages plan to ensure HR coverage. The HR plan includes HIV burden in the overall public health workforce plan. The ratios of health personnel per population now exceed WHO recommedation for developing countries.
7.2 Role of Community-based Health Workers (CHWs): To what extent are community-based health workers' roles and responsibilities specified for HIV/AIDS service delivery?	Check all that apply: ☑ There is a national community-based health worker (CHW) cadre that has a defined role in HIV/AIDS service delivery (e.g., through a national strategy or task-sharing framework/guidelines). ☐ Data are made available on the staffing and deployment of CHWs, including non-formalized CHWs supported by donors. ☑ The host country government officially recognizes non-formalized CHWs delivering HIV/AIDS services.	7.2 Score: 0.63	Key informant group discussion and stakeholder review 9 Sep 19	In 2019 MOPH announced ministerial regulation to legally allowed community health workers to provide HIV services. The CBO standard certificatio protocol has been reviewed process.
7.3 Health Workforce Transition: What is the status of transitioning PEPFAR and/or other donor supported HIV/AIDS health worker salaries to local financing/compensation? Note in comments column which donors have transition plans in place and timeline for transition.	○ A. There is no inventory or plan for transition of donor-supported health workers ○ B. There is an inventory of donor-supported health workers, but no official plan to transition these staff to local support ○ C. There is an inventory and plan for transition of donor-supported workers, but it has not yet been implemented ○ D. There is an inventory and plan for donor-supported workers to be transitioned, and staff are being transitioned according to this plan ◉ E. No plan is necessary because all HIV/AIDS health worker salaries are already locally financed/compensated	7.3 Score: 0.95	Key informant group discussion and stakeholder review 9 Sep 19	

7.4 Domestic Funding for Health Workforce: What proportion of health worker (doctors, nurses, midwives, and CHW) salaries are supported with domestic public or private resources (i.e. excluding donor resources)? (if exact or approximate percentage known, please note in Comments column)	○ A. Host country institutions provide no (0%) health worker salaries ○ B. Host country institutions provide minimal (approx. 1-9%) health worker salaries ○ C. Host country institutions provide some (approx. 10-49%) health worker salaries ○ D. Host country institutions provide most (approx. 50-89%) health worker salaries ◉ E. Host country institutions provide all or almost all (approx. 90%+) health worker salaries	7.4 Score: 3.33	Key informant group discussion and stakeholder review 9 Sep 19 https://www.hfocus.org/content/2017/12/15035 (MOPH personnel budget for 2018) http://azp.ddc.moph.go.th/investment.php (government personnel budget vs. total international HIV/AIDS expenditures in 2018)	Health workers in public system have been solely funded by the government. However, for key population led service delivery models which recently developed, health workers are partially funded by government as per head of service provision. There were challenging issues about the adequate amount and management mechansim of funding for non-government health workers.
7.5 Pre-service Training: Do current pre-service education curricula for any health workers providing HIV/AIDS services include HIV content that has been updated in last three years? Note: List applicable cadres in the comments column.	○ A. Pre-service education institutions do not have HIV content, or HIV content used by pre-service education institutions is out of date (not updated within 3 years) ◉ B. Pre-service institutions have updated HIV/AIDS content within the last three years (check all that apply): ☑ Updated content reflects national standards of practice for cadres offering HIV/AIDS-related services ☑ Institutions maintain process for continuously updating content, including HIV/AIDS content ☐ Updated curricula contain training related to stigma & discrimination of PLHIV ☑ Institutions track student employment after graduation to inform planning	7.5 Score: 0.83	http://acad.md.chula.ac.th/upload/category/14/program.pdf Key informant interview (current medical student)	MOPH is the main responsible unit that manages the deployment after graduation. Since the country government provides a large subsudy for medical and paramedical education in both public and private institutes therefore, all graduated medical doctors and nurses have 3 years (for doctors) and 2 years (for nurses) madatory work in assigned government hospitals. Cash penalty will be applied for individuals failing to do so. Systematic tracking of health workforce has been done by HR department. However, the deployment is not solely dedicated to HIV/AIDS service only. There is no specific stigma & discrimination for PLHIV but there is professional ethics and patient rights training in standard medical professional education.
7.6 In-service Training: To what extent does the host country government (through public, private, and/or voluntary sectors) plan and implement HIV/AIDS in-service training necessary to equip health workers for sustained epidemic control? (if exact or approximate percentage known, please note in Comments column)	Check all that apply among A, B, C, D: ☑ A. The host country government provides the following support for in-service training in the country (check ONE): ☐ Host country government implements no (0%) HIV/AIDS related in-service training ☐ Host country government implements minimal (approx. 1-9%) HIV/AIDS related in-service training ☑ Host country government implements some (approx. 10-49%) HIV/AIDS in-service training ☐ Host country government implements most (approx. 50-89%) HIV/AIDS in-service training ☐ Host country government implements all or almost all (approx. 90%+) HIV/AIDS in-service training ☐ B. The host country government has a national plan for institutionalizing (establishing capacity within local institutions to deliver) donor-supported in-service training in HIV/AIDS ☑ C. The host country government requires continuing professional development, a form of in-service training, for re-licensure for key clinicians ☐ D. The host country government maintains a database to track training for HIV/AIDS, and allocates training based on need (e.g. focusing on high burden areas)	7.6 Score: 0.36	Key informant group discussion and stakeholder review 9 Sep 19 https://ddc.moph.go.th/uploads/files/153bdd805ace56ab6028795b476f1d81.pdf PEPFAR expenditure report (BEAST 2018), estimation of GLobal Fund training expenditures and Annual Expenditure of Government in service training (Bureau of AIDS, TB and STI) and pepfar training were used to estimate the proportion.	The plan on institionalized in -service training for CBO has been under development. The plan on government staff in service training depends on availability of annual budget and heatlh facility HR policy. KP related training for health care staff has been largely depends on international donors.

7.7 Health Workforce Data Collection and Use: Does the country systematically collect and use health workforce data, such as through a Human Resource Information Systems (HRIS), for HIV/AIDS services and/or health workforce planning and management?	○ A. There is no HRIS in country and data on the health workforce is not collected systematically for planning and management ○ B. There is no HRIS in country, but some data is collected for planning and management ☐ Registration and re-licensure data for key professionals is collected and used for planning and management ☐ MOH health worker employee data (number, cadre, and location of employment) is collected and used ☐ Routine assessments are conducted regarding health worker staffing at health facility and/or community sites ◉ C. There is an HRIS (an interoperable system that captures at least regulatory and deployment data on health workers) in country: ☑ The HRIS is primarily financed and managed by host country institutions ☑ There is a national strategy or approach to interoperability for HRIS ☑ The government produces HR data from the system at least annually ☑ Host country institutions use HR data from the system for planning and management (e.g. health worker deployment)	7.7 Score:	0.95	Key informant group discussion and stakeholder review 9 Sep 19	Health workforce data has been in annual MOPH analysis however, there was no HIV specific plan. HIV service and HR have been analyze as part of medicine, in patient departments or out patients services.
7.8 Management and Monitoring of Health Workforce Does an administrative entity, such as a national office or Bureau/s, exist with specific authority to manage - plan, monitor, and provide guidance - for health workforce activities in HIV service delivery sites, including training, supervision, deployments, quality assurance, and others across all sectors. Select only ONE answer.	○ A. No, there is no entity. ○ B. Yes, there is an entity, but it has limited authority, insufficient staff, and insufficient budget ◉ C. Yes, there is an entity with authority and sufficient staff, but not a sufficient budget. ○ D. Yes, there is an entity with authority and sufficient staff and budget.	7.8 Score:	0.63	Key informant group discussion and stakeholder review 9 Sep 19	There are a number of retiring workforce at central and provincial level during the past couple years resulting in reduction in M&E workforce. HIV program M&E budget has been depended on international donors.
		Health Workforce Score:	**8.17**		The score decreased from SID2017 due to host country government has no national plan for institutionalized donor-support in service training in HIV/AIDS

8. Commodity Security and Supply Chain: The National HIV/AIDS response ensures a secure, reliable and adequate supply and distribution of quality products, including drugs, lab and medical supplies, health items, and equipment required for effective and efficient HIV/AIDS prevention, diagnosis and treatment. Host country efficiently manages product selection, forecasting and supply planning, procurement, warehousing and inventory management, transportation, dispensing and waste management reducing costs while maintaining quality.			**Data Source**	**Notes/Comments**
8.1 ARV Domestic Financing: What is the estimated percentage of ARV procurement funded by domestic sources? (Domestic sources includes public sector and private sector but excludes donor and out-of-pocket funds) (if exact or approximate percentage known, please note in Comments column)	○A. This information is not known. ○B. No (0%) funding from domestic sources ○C. Minimal (approx. 1-9%) funding from domestic sources ○D. Some (approx. 10-49%) funded from domestic sources ○E. Most (approx. 50 – 89%) funded from domestic sources ◉F. All or almost all (approx. 90%+) funded from domestic sources	8.1 Score: 0.83	https://www.nhso.go.th/frontend/page-about_result.aspx Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. In press	
8.2 Test Kit Domestic Financing: What is the estimated percentage of HIV Rapid Test Kit procurement funded by domestic sources? (Domestic sources includes public sector and private sector but excludes donor and out-of-pocket funds) (if exact or approximate percentage known, please note in Comments column)	○A. This information is not known ○B. No (0%) funding from domestic sources ○C. Minimal (approx. 1-9%) funding from domestic sources ○D. Some (approx. 10-49%) funded from domestic sources ○E. Most (approx. 50-89%) funded from domestic sources ◉F. All or almost all (approx. 90%+) funded from domestic sources	8.2 Score: 0.83	https://www.nhso.go.th/frontend/page-about_result.aspx Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. In press	
8.3 Condom Domestic Financing: What is the estimated percentage of condom procurement funded by domestic (not donor) sources? *Note:* The denominator should be the supply of free or subsidized condoms provided to public or private sector health facilities or community based programs. (if exact or approximate percentage known, please note in Comments column)	○A. This information is not known ○B. No (0%) funding from domestic sources ○C. Minimal (approx. 1-9%) funding from domestic sources ○D. Some (approx. 10-49%) funded from domestic sources ◉E. Most (approx. 50-89%) funded from domestic sources ○F. All or almost all (approx. 90%+) funded from domestic sources	8.3 Score: 0.63	https://www.nhso.go.th/frontend/page-about_result.aspx Thailand national AIDS spending assessment (NASA) report 2014-2015. International Health Policy Program (IHPP), MOPH. Key informant discussion and stakeholder comments 9 Sep 19	Condom and lubricant budget was separated. There was not enough supply and appropriate size of condoms. Lubricant supply was short for a year which impact MSM, TG prevention program.

8.4 Supply Chain Plan: Does the country have an agreed-upon national supply chain plan that guides investments in the supply chain?	○ A. There is no plan or thoroughly annually reviewed supply chain standard operating procedure (SOP). ◉ B. There is a plan/SOP that includes the following components (check all that apply): ☑ Human resources ☑ Training ☑ Warehousing ☑ Distribution ☑ Reverse Logistics ☑ Waste management ☑ Information system ☑ Procurement ☐ Forecasting ☑ Supply planning and supervision ☑ Site supervision	8.4 Score: 1.52	Key informant discussion and stakeholder review 9 Sep 19	The supply chain has been taken care by government since 2001. Currently NHSO and Social Security Office (SSS) are the major funders of HIV services, MOPH is the major HIV service providers under national program. Government Pharmacutical Organization (GPO) is the main ARV supply chain management using Vendor Managed Inventory (VMI) online system for both NHSO and SSS. Waste management is usually done through private company contract with health facilities. Global Fund has some ARV and rapid test kits support for KPs and non-Thai people which are not covered under national program and the ARV purchased from GPO also use VMI system. There were incidence during the part couple years for shortage of viral load reagent, condom, lubricant supply chain. The new procurement system may cause some delay of VI reagent
8.5 Supply Chain Plan Financing: What is the estimated percentage of financing for the supply chain plan that is provided by domestic sources (i.e. excluding donor funds)? (if exact or approximate percentage known, please note in Comments column)	○ A. This information is not available. ○ B. No (0%) funding from domestic sources. ○ C. Minimal (approx. 1-9%) funding from domestic sources. ○ D. Some (approx. 10-49%) funding from domestic sources. ○ E. Most (approx. 50-89%) funding from domestic sources. ◉ F. All or almost all (approx. 90%+) funding from domestic sources.	8.5 Score: 0.83	Key informant discussion and stakeholder review 9 Sep 19 http://azp.ddc.moph.go.th/investment.php	The supply chain has been taken care by government since 2001. Currently NHSO and Social Security Office (SSS) are the major funders of HIV services, MOPH is the major HIV service providers under national program. Government Pharmacutical Organization (GPO) is the main ARV supply chain management using Vendor Managed Inventory (VMI) online system for both NHSO and SSS. Waste management is usually done through private company contract with health facilities. Global Fund has some ARV and rapid test kits support for KPs and non-Thai people which are not covered under national program and the ARV purchased from GPO also use VMI system.

8.6 Stock: Does the host country government manage processes and systems that ensure appropriate ARV stock in all levels of the system?	Check all that apply: ☐ The group making re-supply decisions for ARVs, have timely visibility into the ARV stock on hand at facilities ☐ Facilities are stocked with ARVs according to plan (above the minimum and below the maximum stock level) 90% of the time ☑ MOH or other host government personnel make re-supply decisions with minimal external assistance: ☑ Decision makers are not seconded or implementing partner staff ☑ Supply chain data are maintained within the Ministry of Health and not solely stored by donor-funded projects ☑ Team that conducts analysis of facility data is at least 50% host government	8.6 Score: 0.56	Key informant discussion and stakeholder review 9 Sep 19	The supply chain has been taken care by government since 2001. Currently NHSO and Social Security Office (SSS) are the major funders of HIV services, MOPH is the major HIV service providers under national program. Government Pharmacutical Organization (GPO) is the main ARV supply chain management using Vendor Managed Inventory (VMI) online system for both NHSO and SSS. Waste management is usually done through private company contract with health facilities. Global Fund has some ARV and rapid test kits support for KPs and non-Thai people which are not covered under national program and the ARV purchased from GPO also use VMI system.
8.7 Assessment: Was an overall score of above 80% achieved on the National Supply Chain Assessment or top quartile for an equivalent assessment conducted within the last three years? (if exact or approximate percentage known, please note in Comments column)	○ A. A comprehensive assessment has not been done within the last three years. ◉ B. A comprehensive assessment has been done within the last three years but the score was lower than 80% (for NSCA) or in the bottom three quartiles for the global average of other equivalent assessments ○ C. A comprehensive assessment has been done within the last three years and the score was higher than 80% (for NSCA) or in the top quartile for the assessment	8.7 Score: 0.83	Key informant discussion and stakeholder review 9 Nov 17	
8.8 Management and Monitoring of Supply Chain: Does an administrative entity, such as a national office or Bureau/s, exist with specific authority to manage - plan, monitor, and provide guidance - supply chain activities including forecasting, stock monitoring, logistics and warehousing support, and other forms of information monitoring across all sectors? Select only ONE answer.	○ A. No, there is no entity. ○ B. Yes, there is an entity, but it has limited authority, insufficient staff, and insufficient budget ○ C. Yes, there is an entity with authority and sufficient staff, but not a sufficient budget. ◉ D. Yes, there is an entity with authority and sufficient staff and budget.	8.8 Score: 1.67	Key informant discussion and stakeholder review 9 Sep 19	
	Commodity Security and Supply Chain Score:	**7.70**		Score decreased due to stock out of condoms-lubricant, needle-syringe, VL testing reagents at some points during the past year.

9. Quality Management: Host country has institutionalized quality management systems, plans, workforce capacities and other key inputs to ensure that modern quality improvement methodologies are applied to managing and providing HIV/AIDS services			**Data Source**	**Notes/Comments**
9.1 Existence of a Quality Management (QM) System: Does the host country government support appropriate QM structures to support continuous quality improvement (QI) at national, sub-national and site levels?	○ A. The host country government does not have structures or resources to support site-level continuous quality improvement ◉ B. The host country government: ☐ Has structures with dedicated focal points or leaders (e.g., committee, focal person, working groups, teams) at the national level, sub-national level and in a majority of sites where HIV/AIDS care and services are offered that are supporting site-level continuous quality improvement ☑ Has a budget line item for the QM program ☑ Supports a knowledge management platform (e.g., web site) and/or peer learning opportunities available to site QI participants to gain insights from other sites and interventions	9.1 Score: 1.33	http://cqihiv.com/ http://cqihiv.com/Menu5.aspx	NHSO has QI budget allocated to hospitals for QI activities. BATS has CQIHIV website and HAI has annual QI forum with HIV specific session. HIV QI should be part of overall hospial QI system however, practice has been varied by SNU depending on leadership in each SNU. Hospital Accreditation Institute started to be systematically involved in QI in routine reaccredit process, achievement in QI should be reassessed periodically.
9.2 Quality Management/Quality Improvement (QM/QI) Plan: Is there a current (updated within the last 2 years) QM/QI plan? (The plan may be HIV program-specific or include HIV program-specific elements in a national health sector QM/QI plan.)	○ A. There is no HIV/AIDS-related QM/QI strategy ○ B. There is a QM/QI strategy that includes HIV/AIDS, but it is not utilized ◉ C. There is a current QM/QI strategy that includes HIV/AIDS program specific elements, and it is partially utilized. ○ D. There is a current HIV/AIDS program specific QM/QI strategy, and it is fully utilized.	9.2 Score: 1.33		BATS and Health Facility Accreditation Institute (HAI) are working on integrating HIV QI program in HA system. The QM/QI strategy is now signed as MOU during the development phase. The HAI is the national institute who has mandate to provide QI support and accredit health services according to standards. HIV is included in the HA program in 2013 as disease specific certification (DSC). It has been in the process of building up coaching teams to support QI and certifying voluntary hospitals. This system will be
9.3 Performance Data Collection and Use for Improvement: Are HIV program performance measurement data systematically collected and analyzed to identify areas of patient care and services that can be improved through national decision making, policy, or priority setting?	○ A. HIV program performance measurement data are not used to identify areas of patient care and services that can be improved through national decision making, policy, or priority setting. ◉ B. HIV program performance measurement data are used to identify areas of patient care and services that can be improved through national decision making, policy, or priority setting (check all that apply): ☑ The national quality structure has a clinical data collection system from which local performance measurement data on prioritized measures are being collected, aggregated nationally, and analyzed for local and national improvement ☑ There is a system for sharing data at the national, SNU, and local level, with evidence that data is used to identify quality gaps and initiate QI activities ☑ There is documentation of results of QI activities and demonstration of national HIV program improvement through sharing and implementation of best practices across HIV/AIDS sites at all levels	9.3 Score: 2.00	http://napdl.nhso.go.th/NAPPWebReport/jsp/new_home.jsp http://cqihiv.com/	S&D QI - spotlights

9.4 Health worker capacity for QM/QI: Does the host country government ensure that the health workforce has capacities to apply modern quality improvement methods to HIV/AIDS care and services?	○ A. There is no training or recognition offered to build health workforce competency in QI. ◉ B. There is health workforce competency-building in QI, including: ☐ Pre-service institutions incorporate modern quality improvement methods in curricula ☑ National in-service training (IST) curricula integrate quality improvement training for members of the health workforce (including managers) who provide or support HIV/AIDS services	9.4 Score: 1.00	HAI http://e-learning.ha.or.th/moodle/webha/index.php/education-support/course-topics-th/item/187-ha-900	Curricula for hospital director or adminstrator for quality improvement conducted by Health Facility Accreditation Institute. QI curriculum developed and has HIV component, HAI can provide training per hospital request or budget support from other entities.
9.5 Existence of QI Implementation: Does the host country government QM system use proven systematic approaches for QI?	The national-level QM structure: ☐ Provides oversight to ensure continuous quality improvement in HIV/AIDS care and services ☐ Regularly convenes meetings that include health services consumers ☑ Routinely reviews national, sub-national and clinical outcome data to identify and prioritize areas for improvement Sub-national QM structures: ☑ Provide coordination and support to ensure continuous quality improvement in HIV/AIDS care and services ☐ Regularly convene meetings that includes health services consumers ☑ Routinely review national, sub-national and clinical outcome data to identify and prioritize areas for improvement Site-level QM structures: ☑ Undertake continuous quality improvement in HIV/AIDS care and services to identify and prioritize areas for improvement	9.5 Score: 1.14	Key informant discussion and stakeholder review 9 sep 19	Role of NAMC-BATS, PCM to review national and sub-national data and HAI for national QI system. Through HA system, SNU, facilities should be able to monitor, identify gaps and prioritize activities for QI through PCT team. Consumers were invited or participated in service provision through PLHIV network. At sub-national, PHO should have this role but capacity to perform systematic QI maybe limited. Regular review data, identify gaps and work with health facilities to improvement the program. Documentation of QI activities were limited due to high workload and writing skills. Comments from stakeholder indicated that practices were varied, scores were adjusted accordingly to balance differences in practices across SNU.
	Quality Management Score:	**6.81**		Score decreased due to no clear structure and dedicated focal point or leader of QI at sub-national level, no regularly convened meeting that includes health service consumers

10. Laboratory: The host country ensures adequate funds, policies, and regulations to ensure laboratory capacity (workforce, equipment, reagents, quality) matches the services required for PLHIV.			**Data Source**	**Notes/Comments**
10.1 Strategic Plan: Does the host country have a national laboratory strategic plan?	○A. There is no national laboratory strategic plan ○B. National laboratory strategic plan is under development ○C. National laboratory strategic plan has been developed, but not approved ○D. National laboratory strategic plan has been developed and approved ○E. National laboratory plan has been developed, approved, and costed ◉F. National laboratory strategic plan has been developed, approved, costed, and implemented	10.1 Score: 1.33	Key informant discussion and stakeholder review 9 Sep 19	Laboratory services are under national program since 2003. NHSO provides reimbursement for lab services to hospitals or laboratories according to national program guidelines. The number of CD4, Viral load monitoring, drug resistance laboratories located through out the country with sufficient number and QM system
10.2 Management and Monitoring of Laboratory Services: Does an administrative entity, such as a national office or Bureau/s, exist with specific authority to manage - plan, monitor, purchase, and provide guidance - laboratory services at the regional and district level across all sectors? Select only ONE answer.	○A. No, there is no entity. ○B. Yes, there is an entity, but it has limited authority, insufficient staff, and insufficient budget ○C. Yes, there is an entity with authority and sufficient staff, but not a sufficient budget. ◉D. Yes, there is an entity with authority and sufficient staff and budget.	10.2 Score: 1.33	Key informant discussion and stakeholder review 9 Sep 19	
10.3 Regulations to Monitor Quality of Laboratories and Point of Care Testing (POCT) Sites: To what extent does the host country have regulations in place to monitor the quality of its laboratories and POCT sites? (if exact or approximate percentage known, please note in Comments column)	○A. Regulations do not exist to monitor minimum quality of laboratories in the country. ○B. Regulations exist, but are not implemented (0% of laboratories and POCT sites regulated). ○C. Regulations exist, but are minimally implemented (approx.. 1-9% of laboratories and POCT sites regulated). ○D. Regulations exist, but are partially implemented (approx. 10-49% of laboratories and POCT sites regulated). ○E. Regulations exist and are mostly implemented (approx. 50-89% of laboratories and POCT sites regulated). ◉F. Regulations exist and are fully or almost fully implemented (approx. 90%+ of laboratories and POCT sites regulated).	10.3 Score: 1.33	Key informant discussion and stakeholder review 9 Sep 19	NHSO has basic requirements for laboratory to pass annual proficiency tesing in order to get rebursement through NSHO. Laboratory accreditation is routine requirements of nearly all public laboratory to receive the certification from Medical Counsil Association. Reference Labs usually receieve more than one certification system e.g. nationa PT program, ISO.
10.4 Capacity of Laboratory Workforce: Does the host country have an adequate number of qualified laboratory personnel (human resources [HR]) in the public sector, to sustain key functions to meet the needs of PLHIV for diagnosis, monitoring treatment and viral load suppression?	○A. There are not adequate qualified laboratory personnel to achieve sustained epidemic control ◉B. There are adequate qualified laboratory personnel to perform the following key functions: ☑ HIV diagnosis by rapid testing and point-of-care testing ☑ Routine laboratory testing, including chemistry, hematology, microbiology, serology, blood banking, and malaria ☑ Complex laboratory testing, including HIV viral load, CD4 testing, and molecular assays ☑ TB diagnosis	10.4 Score: 1.33	Key informant discussion and stakeholder review 9 Sep 19	

10.5 Viral Load Infrastructure: Does the host country have sufficient infrastructure to test for viral load to reach sustained epidemic control?	○A. There is not sufficient infrastructure to test for viral load. ◉B. There is sufficient infrastructure to test for viral load, including: ☑ Sufficient HIV viral load instruments ☑ All HIV viral load laboratories have an instrument maintenance program ☐ Sufficient supply chain system is in place to prevent stock out ☑ Adequate specimen transport system and timely return of results	10.5 Score: 1.00	Key informant discussion and stakeholder review 9 Sep 19	In 2019, there was in incidence of viral load supply shortage. The issue caused by new procurement system which was delayed the process.
10.6 Domestic Funds for Laboratories: To what extent are laboratory services financed by domestic public or private resources (i.e. excluding external donor funding)? (if exact or approximate percentage known, please note in Comments column)	○A. No (0%) laboratory services are financed by domestic resources. ○B. Minimal (approx. 1-9%) laboratory services are financed by domestic resources. ○C. Some (approx. 10-49%) laboratory services are financed by domestic resources. ○D. Most (approx. 50-89%) laboratory services are financed by domestic resources. ◉E. All or almost all (approx. 90%+) laboratory services are financed by domestic resources.	10.6 Score: 3.33	Key informant discussion and stakeholder review 9 Sep 19 http://azp.ddc.moph.go.th/investment.php	HIV laboratory monitoring has been in basic package of NSHO and SSS. External donors typically provided new type testing e.g. oral fulid testing, CD4, VL point of care testing which are additional to routine support.
		Laboratory Score: **9.67**		

THIS CONCLUDES THE SET OF QUESTIONS ON DOMAIN B

Domain C. Strategic Financing and Market Openness

What Success Looks Like: Host country government is aware of the financial resources required to effectively and efficiently meet its national HIV/AIDS prevention, care and treatment targets. HCG actively seeks, solicits and or generates the necessary financial resources, ensures sufficient resource commitments, and uses data to strategically allocate funding and maximize investments. Finally, having and effectively implementing policies that ensure leveraging markets (both nonprofit and for profit) where appropriate and enabling their participation and competition will be critical for a sustained HIV response.

Fiscal Context for Health and HIV/AIDS This section will not be assigned a score, but will provide additional contextual information to complement the questions in Domain C.			**Data Source**	**Notes/Comments**
1. What percentage of general government expenditures goes to health?	_16.6_%		http://stream.nhso.go.th/wp-content/uploads/ebooks/UCS_2561/	page 39. GGHE per GGE was 9.50-16.92 (1994-2017) which was lower than target.
2. What is the per capita health expenditure all sources?	$245		Thailand Health Expenditure report 2016-2017. International Health Policy (IHPP), page 4. https://apps.who.int/iris/bitstream/handle/10665/259645/HFP-THA.pdf?sequence=1&isAllowed=y	page 4, table 1
3. What is the total health care expenditure all sources as a percent of GDP?	4.02%		http://stream.nhso.go.th/wp-content/uploads/ebooks/UCS_2561/	page 39
4. What percent of total health expenditures is financed by external resources?	less than 1%		https://apps.who.int/iris/bitstream/handle/10665/259645/HFP-THA.pdf?sequence=1&isAllowed=y	Figure 6: external health expenditure as a % of current health expenditure, 2000-2015.
5. What percent of total health expenditures is financed by out of pocket spending net of household contributions to medical schemes/pre-payment schemes?	11.80%		https://apps.who.int/iris/bitstream/handle/10665/259645/HFP-THA.pdf?sequence=1&isAllowed=y	Out of pocket expenditure has reduced from 34% of current expenditure on health in 2000 to 12% in 2015 (fig 5)

11. Domestic Resource Mobilization: The partner country budgets for its HIV/AIDS response and makes adequate resource commitments and expenditures to achieve national HIV/AIDS goals for epidemic control in line with its financial ability.				**Data Source**	**Notes/Comments**
11.1 Long-term Financing Strategy for HIV/AIDS: Has the host country government developed a long-term financing strategy for HIV/AIDS?	Check all that apply: ☑ A. Yes, there is a universal, comprehensive financing scheme that integrates social health insurance, public subsidies, and national budget provisions for public health aspects (e.g., disease surveillance). It includes the following (check all that apply): ☑ ARVs are covered ☑ Non-ARV care and treatment is covered ☑ Prevention services are covered ☑ B. Yes, there is an affordable health insurance scheme available (check one of the following). ☐ It covers 25% or less of the population. ☐ It covers 26 to 50% of the population. ☐ It covers 51 to 75% of the population. ☑ It covers more than 75% of the population. ☑ C. The affordable health insurance scheme in (B.) includes the following (check all that apply): ☑ ARVs are covered. ☑ Non-ARV care and treatment services are covered. ☑ Prevention services are covered (specify in comments). ☑ It includes public subsidies for the affordability of care.	11.1 Score:	0.95	Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. (in press)	HIV program has been financed by host country since 2003. Non-Thai Citizens (migrant workers) will have mingrant health insurance as part of legal registration to work in Thailand. The migrant insurance scheme covers general medical care, ART and OI treatment.

11.2 Domestic Budget: To what extent does the national budget explicitly account for the national HIV/AIDS response?	○ A. There is no explicit funding for HIV/AIDS in the national budget. ◉ B. There is explicit HIV/AIDS funding within the national budget. ☑ The HIV/AIDS budget is program-based across ministries ☑ The budget includes or references indicators of progress toward national HIV/AIDS strategy goals ☑ The budget includes specific HIV/AIDS service delivery targets ☑ National budget reflects all sources of funding for HIV, including from external donors	11.2 Score: 0.95	Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. (in press)	
11.3 Annual Goals/Targets: To what extent does the national budget contain HIV/AIDS goals/targets?	○ A. There are no HIV/AIDS goals/targets articulated in the national budget ◉ B. There are HIV/AIDS goals/targets articulated in the national budget. ☑ The goals/targets are measurable. ☑ Budget items/programs are linked to goals/targets. ☑ The goals/targets are routinely monitored during budget execution. ☑ The goals/targets are routinely monitored during the development of the budget.	11.3 Score: 0.95	https://www.aidsdatahub.org/sites/default/files/publication/Thailand_National_Operational_Plan_Accelerating_Ending_AIDS_2015-2019.pdf http://aidssti.ddc.moph.go.th/contents/view/1759	
11.4 HIV/AIDS Budget Execution: For the previous three years, what was the average execution rate for budgeted domestic HIV/AIDS resources (i.e. excluding any donor funds) at both the national and subnational level? (If subnational data does not exist or is not available, answer the question for the national level. Note level covered in the comments column)	○ A. There is no HIV/AIDS budget, or information is not available. ○ B. 0-49% of budget executed ○ C. 50-69% of budget executed ○ D. 70-89% of budget executed ◉ E. 90% or greater of budget executed	11.4 Score: 0.95	http://stream.nhso.go.th/wp-content/uploads/ebooks/UCS_2561/	2018: NHSO Annual Report - National AIDS Program spent 113.6% (3,656/3,218 million THB), page 45

11.5 Donor Spending: Does the Ministry of Health or Ministry of Finance routinely, and at least on an annual basis, collect all donor spending in the health sector or for HIV/AIDS-specific services?	○ A. Neither the Ministry of Health nor the Ministry of Finance routinely collects all donor spending in the health sector or for HIV/AIDS-specific services. ○ B. The Ministry of Health or Ministry of Finance routinely collects all donor spending for only HIV/AIDS-specific services. ◉ C. The Ministry of Health or Ministry of Finance routinely collects all donor spending all the entire health sector, including HIV/AIDS-specific services.	11.5 Score:	0.95	Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. (in press)	Correct through NASA by IHPP, MOPH
11.6 Domestic Spending: What percent of the annual national HIV response is financed with domestic public and domestic private sector HIV funding? (Domestic funding excludes out-of-pocket, Global Fund grants, and other donor resources)? (if exact or approximate percentage known, please note in Comments column)	○ A. None (0%) is financed with domestic funding. ○ B. Very liitle (approx. 1-9%) is financed with domestic funding. ○ C. Some (approx. 10-49%) is financed with domestic funding. ◉ D. Most (approx. 50-89%) is financed with domestic funding. ○ E. All or almost all (approx. 90%+) is financed with domestic funding.	11.6 Score:	2.50	Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. (in press)	Correct through NASA by IHPP, MOPH. Domestic HIV finance was 90% in 2016 and 89% in 2017.
11.7 Health Budget Execution: What was the country's execution rate of its budget for health in the most recent year's budget?	○ A. There is no budget for health or no money was allocated. ○ B. 0-49% of budget executed. ○ C. 50-69% of budget executed. ◉ D. 70-89% of budget executed. ○ E. 90% or greater of budget executed.	11.7 Score:	0.63	https://www.nhso.go.th/frontend/page-about_result.aspx (NHSO annual report 2016, page 32) http://164.115.23.235:8080/prototypedb/sidenavem.php	HIV expenditures/HIV budget of NHSO = 2,571/3,012 M THB (85.4%), all NHSO fund = 122,881/123,009 M THB (99.9%) Overall MOPH budget execution rate = 89.4% (MOPH dashboard 2017)
11.8 Data-Driven Reprogramming: Do host country government policies/systems allow for reprograming domestic investments based on new or updated program data during the government funding cycle?	○ A. There is no system for funding cycle reprogramming. ○ B. There is a policy/system that allows for funding cycle reprogramming, but is seldom used. ○ C. There is a policy/system that allows for funding cycle reprogramming and reprogramming is done as per the policy, but not based on data. ◉ D. There is a policy/system that allows for funding cycle reprogramming and reprogramming is done as per the policy, and is based on data.	11.8 Score:	0.95	Key informant discussion and stakeholder review 9 Sep 19	
	Domestic Resource Mobilization Score:		**8.85**		

12. Technical and Allocative Efficiencies: The host country analyzes and uses relevant HIV/AIDS epidemiological, health, health workforce, and economic data to inform HIV/AIDS investment decisions. For maximizing impact, data are used to choose which high impact program services and interventions are to be implemented, where resources should be allocated, and what populations demonstrate the highest need and should be targeted (i.e. the right thing at the right place and at the right time). Unit costs are tracked and steps are taken to improve HIV/AIDS outcomes within the available resource envelope (or achieves comparable outcomes with fewer resources).			**Data Source**	**Notes/Comments**
12.1 Resource Allocation Process: Does the partner country government utilize a recognized data-driven model to inform the allocation of domestic (i.e. non-donor) public HIV resources? If yes, please note in the comments section when the model was last used and for what purpose (e.g., for Global Fund concept note development) (note: full score achieved by selecting one checkbox)	○ A. The host country government does not use one of the mechanisms listed below to inform the allocation of their resources. ◉ B. The host country government does use the following mechanisms to inform the allocation of their resources (check all that apply): ☐ Optima ☑ Spectrum (including EPP and Goals) ☑ AIDS Epidemic Model (AEM) ☐ Modes of Transmission (MOT) Model ☐ Other recognized process or model (specify in notes column)	12.1 Score: 2.00	http://www.aidsdatahub.org/sites/default/files/documents/The_Asian_Epidemic_Model_Projections_for_HIVAIDS_in_Thailand_2005_2025.pdf	AEM has beenperiodically adjusted by Thailand working group. The results were used in various program planning and reporting. SPECTRUM was also used for GARP report. The latest AEM was done in early 2019, Results are available for national stakeholders and reported to UNAIDS - GAM report.
12.2 Geographic Allocation: Of central government HIV-specific resources (excluding any donor funds) allocated to geographic subunits in the most recent year available, what percentage is being allocated in the highest burden geographic areas (i.e. districts that cumulatively account for 80% of PLHIV)? (if exact or approximate percentage known, please note in Comments column)	○ A. Information not available. ○ B. No resources (0%) are targeting the highest burden geographic areas. ○ C. Minimal resources (approx. 1-9%) are targeting the highest burden geographic areas. ○ D. Some resources (approx. 10-49%) are targeting the highest burden geographic areas. ◉ E. Most resources (approx. 50-89%) are targeting the highest burden geographic areas. ○ F. All or almost all resources (approx. 90%+) are targeting the highest burden geographic areas.	12.2 Score: 1.50	Key informant discussion and stakeholder review 9 Sep 2019. National AIDS Fund Guidelines.	Current situation, prevention budget from GF, PEPFAR focus on high burden geographic area and government focus less burden to increase coverage while treatment and care use reimbursement system (actual service delivery cost). HIV testing, prevention and ART were allocated using number of case load and key population size estimation data. Reimbursement was done per head of service deliveries provided to clients or work performed (e.g. number of cleints reached, tested, ART initiation, VL test).

12.3 Information on cost of service provision: Does the host country government have a system that routinely produces information on the costs of providing HIV/AIDS services, and is this information used for budgeting or planning purposes? (note: full score can be achieved without checking all disaggregate boxes).	○ A. The host country DOES NOT have a system that routinely produces information on the costs of providing HIV/AIDS services. ○ B. The host country has a system that routinely produces information on the costs of providing HIV/AIDS services, but this information is not used for budgeting or planning. ◉ C. The host country has a system that routinely produces information on the costs of providing HIV/AIDS services AND this information is used for bugeting or planning purposes for the following services (check all that apply): ☑ HIV Testing ☑ Laboratory services ☑ ART ☑ PMTCT ☐ VMMC ☐ OVC Service Package ☑ Key population Interventions ☑ PrEP	12.3 Score: 2.00	Key informant discussion and stakeholder review 9 Nov 17 http://uckkpho.com/index.php/download/finish/47-61/572-2561-3/0 National AIDS Fund Guidelines 2017.	The unit cost was used for annual budget request to Budget Bureau and reimbursement to health facilities by NHSO under national AIDS program. For a new intervention e.g. there is a government entity, so call HITAP, responsible for cost effectiveness assessement before integrating into the universal health coverage. PrEP costing and cost effectiveness study data was reviewed and approved by the NHSO Executive Board in June 2019.
12.4 Improving Efficiency: Has the partner country achieved any of the following efficiency improvements through actions taken within the last three years?	Check all that apply: ☑ Improved operations or interventions based on the findings of cost-effectiveness or efficiency studies ☐ Reduced overhead costs by streamlining management ☐ Lowered unit costs by reducing fragmentation, i.e. pooled procurement, resource pooling, etc. ☑ Improved procurement competition ☑ Integrated HIV/AIDS into national or subnational insurance schemes (private or public -- need not be within last three years) ☑ Integrated HIV into primary care services with linkages to specialist care (need not be within last three years) ☑ Integrated TB and HIV services, including ART initiation in TB treatment settings and TB screening and treatment in HIV care settings (need not be within last three years)	12.4 Score: 1.56	Key informant discussion and stakeholder review 9 Sep 19	Government E-bidding has been in place to increase transparency and competitiveness. HIV budget has been in UHC since 2006 and benefit package has been regulalry reviewed by board committee based on new research findings and cost effectiveness study. HIV services have been decentralized to primiary care centers in Bangkok and some sites outside Bangkok.

	☑ Integrated HIV and MCH services, including ART initiated and maintained in eligible pregnant and postpartum women and in infants at maternal and child health care settings (need not be within last three years) ☑ Developed and implemented other new and more efficient models of HIV service delivery (e.g., multi-month scripting, testing modalities targeted to the population profile, etc. - specify in comments)			
12.5 ARV Benchmark prices: How do the costs of ARVs (most common first line regimen) purchased in the previous year by the partner government using domestic resources compare to international benchmark prices for that year? (Use the "factory cost" of purchased commodities, excluding transport costs, distribution costs, etc.)	○ A. Partner government did not pay for any ARVs using domestic resources in the previous year. ○ B. Average price paid for ARVs by the partner government in the previous year was more than 50% greater than the international benchmark price for that regimen. ◉ C. Average price paid for ARVs by the partner government in the previous year was 10-50% greater than the international benchmark price for that regimen. ○ D. Average price paid for ARVs by the partner government in the previous year was 1-10% greater than the international benchmark price for that regimen. ○ E. Average price paid for ARVs by the partner government in the previous year was below or equal to the international benchmark price for that regimen.	12.5 Score: 1.00	https://clintonhealthaccess.org/content/uploads/2016/11/2016-CHAI-ARV-Reference-Price-List_FINAL.pdf http://dmsic.moph.go.th/dmsic/index.php?p=1&type=3&s=3&id=middle_drug	Thailand has locally produced antiretroviral drugs by Government Pharmacuetical Organization and has CL for some ARVs. The first and second line ARVs are fully covered by universal health coverage. Some ARV produced by Government Pharmaceutical Organization have higher price than international benchmarks but some are lower.
Technical and Allocative Efficiencies Score:		**8.06**		

13. Market Openness: Host country and donor policies do not negatively distort the market for HIV services by reducing participation and/or competition.			**Data Source**	**Notes/Comments**
13.1 Granting exclusive rights for services or training: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies grant exclusive rights for the government or another local provider to provide HIV services?	Do national government or donor (e.g., PEPFAR, GFATM, etc.) polices: A. Restrict the provision of any one aspect of HIV prevention, testing, counseling, or treatment services to a single entity (i.e., creating a monopoly arrangement for that service)? ☐ Yes ☑ No B. Mandate that only government facilities have the exclusive right to provide any one aspect of HIV prevention, testing, counseling, or treatment services? ☐ Yes ☑ No C. Grant exclusive rights to government institutions for providing health service training? ☐ Yes ☑ No	13.1 Score: 0.36	Key informant discussion and stakeholder review 9 Sep 19	
13.2 Requiring license or authorization: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies establish a license, permit or authorization process as a requirement of operation?	A. Are health facilities required to obtain a government-mandated license or accreditation in order to provide HIV services? [SELECT ONE] ☐ No ☑ Yes, and the enforcement of the accreditation places equal burden on nongovernment facilities (e.g., FBOs, CBOs, or private sector) and government facilities. ☐ Yes, and the enforcement of the accreditation places higher burden on nongovernment facilities (e.g., FBOs, CBOs, or private sector) than on government facilities. B. Are health training institutions required to obtain a government-mandated license or accreditation in order to provide health service training? [SELECT ONE] ☑ No ☐ Yes, and the enforcement of the accreditation places equal burden on nongovernment institutions (e.g., FBOs, CBOs, or private sector) and government institutions. ☐ Yes, and the enforcement of the accreditation places higher burden on nongovernment institutions (e.g., FBOs, CBOs, or private sector) than on government institutions.	13.2 Score: 0.36	Key informant discussion and stakeholder review 9 Sep 19	

13.3 Limiting provision of certain direct clinical services: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies limit the ability of licensed, local providers to provide certain direct clinical services?	National government or donor (e.g., PEPFAR, GFATM, etc.) policies limit the ability of licensed, local health service providers to offer the following HIV services: ☐ Prevention ☐ Testing and Counseling ☐ Treatment	13.3 Score: 0.36	Key informant discussion and stakeholder review 9 Sep 19	
13.4 Limiting provision of certain clinical support services: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies limit the ability of licensed local providers to provide certain clinical support services?	A. Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies restrict the ability of licensed, local institutions from providing essential HIV laboratory services? ☐ Yes ☑ No B. Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies create monopoly arrangements in lab testing (i.e., arrangements where effectively only one lab service provider is allowed to conduct a certain essential HIV lab service)? ☐ Yes ☑ No C. National government or donor (e.g., PEPFAR, GFATM, etc.) policies restrict the ability of licensed, local institutions from procuring or distributing the following HIV commodities and supplies [PLEASE SPECIFY TYPE IN NOTES]: ☑ ARVs ☐ Test kits ☐ Laboratory supplies ☐ Other D. Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies create monopoly supply chain arrangements for HIV commodities (i.e., arrangements where effectively only one entity is able to supply a certain essential HIV commodity)? ☐ Yes ☑ No	13.4 Score: 0.33	Key informant discussion and stakeholder review 9 Sep 19	There is some kind of regulation that ARVs have to be purchased through Government Pharmaceutical Organization (GPO) if GPO can produce. This cause some ARV have higher price than international benchamarks. However, some ARV produced by GPO also cheaper.

13.5 Limits on local manufacturing: Do national government policies limit the ability of the local manufacturing industry to compete with the international market?	A. Do national government policies restrict the production of HIV commodities and supplies by local manufacturers beyond international standards? ○ Yes ◉ No B. [IF YES] For which of the following is local manufacturing restricted? ☐ ARVs ☐ Test kits ☐ Laboratory supplies ☐ Other	13.5 Score: 0.36	Key informant discussion and stakeholder review 9 Sep 19	
13.6 Cost of entry/exit: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies significantly raise the cost of entry or exit by a local provider?	Do local health service facilities face higher start-up or maintenance costs compared to government or donor (e.g., PEPFAR, GFATM, etc.) supported facilities (e.g., lack of access to funds, higher accreditation fees, prohibitive contracting costs, etc.)? ☐ Yes ☑ No	13.6 Score: 0.36	Key informant discussion and stakeholder review 9 Sep 19	
13.7 Geographical barriers: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies create geographical barriers for local providers to supply goods, services or labor, or invest capital?	A. Are certain geographical areas restricted to only government or donor-supported HIV service providers? ○ Yes ◉ No B. [IF YES] Which of the following are geographically restricted? ☐ Supplying HIV supplies and commodities ☐ Supplying HIV services or health workforce labor ☐ Investing capital (e.g., constructing or renovating facilities)	13.7 Score: 0.36	Key informant discussion and stakeholder review 9 Sep 19	
13.8 Freedom to advertise: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies limit the freedom of local organizations to advertise or market HIV goods or services? [Note: "organizations" in this case can refer broadly to clinical service providers and also organizations providing advocacy and promotion services.]	Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies restrict the freedom of nongovernment (e.g., FBOs, CBOs, or private sector) organizations to advertise or promote HIV services either online, over TV and radio, or in public spaces? ☐ Yes ☑ No	13.8 Score: 0.63	Key informant discussion and stakeholder review 9 Sep 19	

13.9 Quality standards for HIV services: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies, and the enforcement of those polices, hold all HIV service providers (government-run, local private sector, FBOs, etc.) to the same standards of service quality?	Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies, and the enforcement of those polices, hold all HIV service providers (government-run, local private sector, FBOs, etc.) to the same standards of service quality? [CHECK ALL THAT APPLY] ☐ Yes ☐ No, government service providers are held to higher standards than nongovernment service providers ☑ No, FBOs/CSOs are held to higher standards than government service providers ☐ No, private sector providers are held to higher standards than government service providers	13.9 Score: 0.31	Key informant discussion and stakeholder review 9 Sep 19 Key informants consensus https://www.nhso.go.th/frontend/page-information_detail.aspx?ContentID=NjEwMDAwMjI2	NHSO standards to register to be service delivery unit, referral or primary care unit
13.10 Quality standards for HIV commodities: Do national government policies set standards for product quality that provide an advantage to some commodity suppliers over others?	Do national government policies set product quality standards on HIV commodities that advantage some suppliers over others? [IF YES, PLEASE EXPLAIN IN NOTES] ☐ Yes ☑ No	13.10 Score: 0.63	Key informant discussion and stakeholder review 9 Sep 19	
13.11 Cost of service provision: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies significantly raise the cost of service provision for some local providers relative to others (especially by treating incumbents differently from new entrants)?	A. Do government HIV service providers receive greater subsidies or support of overhead expenses (e.g., operational support) as compared to nongovernment (e.g., FBOs, CBOs, or private sector) HIV service providers? ☐ Yes ☑ No B. Does the national government selectively subsidize certain nongovernment (e.g., FBOs, CBOs, or private sector), local HIV service providers over others? ☐ Yes ☑ No C. Do government health training institutions receive greater subsidies or support of overhead expenses as compared to nongovernment (e.g., FBOs, CBOs, or private sector) health training institutions? ☐ Yes ☑ No D. Does the national government selectively subsidize certain nongovernment (e.g., FBOs, CBOs, or private sector), local health service training institutions over others? ☐ Yes ☑ No	13.11 Score: 0.63	Key informant discussion and stakeholder review 9 Sep 19	
13.12 Self-regulation: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies allow for the creation of a self-regulatory or co-	Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies allow HIV service providers—either groups of individuals or groups of institutions—to create structural barriers (e.g., closed network systems) that may reduce the incentive of other potential providers to provide HIV services?	13.12 Score: 1.25	Key informant discussion and stakeholder review 9 Sep 19	

regulatory regime?	☐ Yes ☑ No			
13.13 Publishing of provider information: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies require or encourage information on local providers' outputs, prices, sales or costs to be published?	A. National government or donor (e.g., PEPFAR, GFATM, etc.) policies require nongovernment (e.g., FBOs, CBOs, or private sector) health service facilities to publish more data than government facilities on the following [CHECK ALL THAT APPLY]: ☐ HIV service caseload ☐ Procurement of HIV supplies/commodities ☐ Expenses B. National government or donor (e.g., PEPFAR, GFATM, etc.) policies require HIV commodity suppliers to publish data on the following [CHECK ALL THAT APPLY]: ☐ Distribution ☐ Sales/Revenue ☐ Production costs	13.13 Score: 1.25	Key informant discussion and stakeholder review 9 Sep 19	
13.14 Patient choice: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies limit the ability of patients to decide which providers or products to use?	Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies restrict the ability of patients or specific groups of patients to choose: A. Which HIV service providers they use? ☑ Yes ☐ No B. Which HIV supplies/commodities they use (e.g., ARVs, PrEP, condoms, needles, etc.)? ☐ Yes ☑ No	13.14 Score: 0.63	Key informant discussion and stakeholder review 9 Sep 19 Key informants consensus https://www.hsri.or.th/researcher/media/printed-matter/detail/4531 https://www.parliament.go.th/ewtadmin/ewt/parbudget/ewt_dl_link.php?nid=478	The service providers to be used by clients conform health insurance scheme that clients entitled. UHC covers all government hospitals while Social Security Scheme uses the contracted providers and clients can choose service providers in the contracted list.
13.15 Patient mobility: Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies reduce mobility of patients between HIV service providers by increasing the explicit or implicit costs of changing providers?	Do national government or donor (e.g., PEPFAR, GFATM, etc.) policies impose costs or other barriers that restrict a patient's ability to transfer from a government HIV service provider to a nongovernment (e.g., FBO, CBO, or private sector) HIV service provider? ☐ Yes ☑ No	13.15 Score: 1.25	Key informant discussion and stakeholder review 9 Sep 19	
	Market Openness Score:	**9.04**		

THIS CONCLUDES THE SET OF QUESTIONS ON DOMAIN C

Domain D: Strategic Information

What Success Looks Like: Using local and national systems, the host country government collects, analyzes and makes available timely, comprehensive, and quality HIV/AIDS data (including epidemiological, economic/financial, and performance data) that can be used to inform policy, program and funding decisions.

14.Epidemiological and Health data: Host Country Government routinely collects, analyzes and makes available data on the HIV/AIDS epidemic and its effects on health outcomes. HIV/AIDS epidemiological and health data include size estimates of key populations, PLHIV, HIV incidence, HIV prevalence, viral load and AIDS-related mortality rates.			**Data Source**	**Notes/Comments**
14.1 Management and Monitoring of Surveillance Activities: Does an administrative entity, such as a national office or Bureau/s, exist with specific authority to manage - plan, monitor, and provide guidance - for HIV/AIDS epidemiological surveys and/or surveillance activities including: data collection, analysis and interpretation; data storage and retrieval; and quality assurance across all sectors. Select only ONE answer.	○ No, there is no entity. ◉ Yes, there is an entity, but it has limited authority, insufficient staff, and insufficient budget ○ Yes, there is an entity with authority and sufficient staff, but not a sufficient budget. ○ Yes, there is an entity with authority and sufficient staff and budget.	14.1 Score: 0.28	Key informant discussion (national HIV M&E unit) & stakeholder review 9 Sept 19	International donors e.g. pepfar and GFATM have provided additional support for KP monitoring system e.g. RTCM, EIIS, web-base RDS for MSM, TG. Government staff has limited number and expertise in developing new system.
14.2 Who Leads General Population Surveys & Surveillance: To what extent does the host country government lead and manage planning and implementation of the HIV/AIDS portfolio of general population epidemiological surveys and surveillance activities (population-based household surveys, case reporting/clinical surveillance, drug resistance surveillance, etc.)?	○ A. No HIV/AIDS general population surveys or surveillance activities have been conducted within the past 5 years ○ B. Surveys & surveillance activities are primarily planned and implemented by external agencies, organizations or institutions ○ C. Surveys & surveillance activities are planned and implemented by the host country government/other domestic institution, with substantial technical assistance from external agencies ○ D. Surveys & surveillance activities are planned and implemented by the host country government/other domestic institution, with some technical assistance from external agencies ◉ E. Surveys & surveillance activities are planned and implemented by the host country government/other domestic institution, with minimal or no technical assistance from external agencies	14.2 Score: 0.83	http://www.boe.moph.go.th/report.php?list=1&cat=3 http://www.boe.moph.go.th/report.php?cat=74 http://www.boe.moph.go.th/aids/indexb.php Key informants discussion and stakeholder review 9 Sep 19	Bureau of Epidemiology, MOPH
14.3 Who Leads Key Population Surveys & Surveillance: To what extent does the host country government lead & manage planning and implementation of the HIV/AIDS portfolio of key population epidemiological surveys and/or behavioral surveillance activities (IBBS, size estimation studies, etc.)?	○ A. No HIV/AIDS key population surveys or surveillance activities have been conducted within the past 5 years ○ B. Surveys & surveillance activities are primarily planned and implemented by external agencies, organizations or institutions ○ C. Surveys & surveillance activities are planned and implemented by the host country government/other domestic institution, with substantial technical assistance from external agencies ◉ D. Surveys & surveillance activities are planned and implemented by the host country government/other domestic institution, with some technical assistance from external agencies ○ E. Surveys & surveillance activities are planned and implemented by the host country government/other domestic institution, without minimal or no technical assistance from external agencies	14.3 Score: 0.63	Key informants discussion and stakeholder review 9 Sep 19	Bureau of Epidemiology, MOPH leads with technical support from CDC Thailand. International donors e.g. pepfar and GFATM have provided additional support for KP monitoring system e.g. RTCM, EIIS, web-base RDS for MSM, TG. Government staff has limited number and expertise in developing new system.

14.4 Who Finances General Population Surveys & Surveillance: To what extent does the host country government fund the HIV/AIDS portfolio of general population epidemiological surveys and/or surveillance activities (e.g., protocol development, printing of paper-based tools, salaries and transportation for data collection, etc.)? (if exact or approximate percentage known, please note in Comments column)	○A. No HIV/AIDS general population surveys or surveillance activities have been conducted within the past 5 years ○B. No financing (0%) is provided by the host country government ○C. Minimal financing (approx. 1-9%) is provided by the host country government ○D. Some financing (approx. 10-49%) is provided by the host country government ○E. Most financing (approx. 50-89%) is provided by the host country government ◉F. All or almost all financing (90% +) is provided by the host country government	14.4 Score: 1.67	Key informants discussion and stakeholder review 9 Sep 19 http://azp.ddc.moph.go.th/investment.php Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. In press	Bureau of Epidemiology, MOPH leads using PEPFAR support revised HIV surveillance protocols e.g IBBS, HIV incidence surveillance
14.5 Who Finances Key Populations Surveys & Surveillance: To what extent does the host country government fund the HIV/AIDS portfolio of key population epidemiological surveys and/or behavioral surveillance activities (e.g., protocol development, printing of paper-based tools, salaries and transportation for data collection, etc.)? (if exact or approximate percentage known, please note in Comments column)	○A. No HIV/AIDS key population surveys or surveillance activities have been conducted within the past 5 years ○B. No financing (0%) is provided by the host country government ○C. Minimal financing (approx. 1-9%) is provided by the host country government ○D. Some financing (approx. 10-49%) is provided by the host country government ◉E. Most financing (approx. 50-89%) is provided by the host country government ○F. All or almost all financing (approx. 90% +) is provided by the host country government	14.5 Score: 1.25	Key informants discussion and stakeholder review 9 Sep 19 http://azp.ddc.moph.go.th/investment.php Thailand national AIDS spending assessment (NASA) report 2016-2017. International Health Policy Program (IHPP), MOPH. In press	Bureau of Epidemiology, MOPH leads with technical support from CDC Thailand. International donors e.g. pepfar and GFATM have provided additional support for KP monitoring system e.g. RTCM, EIIS, web-base RDS for MSM, TG. Government staff has limited number and expertise in developing new system. GFATM supports PWID & migrant workers surveillance systems (to be verified).

14.6 Comprehensiveness of Prevalence and Incidence Data: To what extent does the host country government collect HIV prevalence and incidence data according to relevant disaggregations, populations and geographic units?	Check ALL boxes that apply below. (A.) refers to prevalence data. (B.) refers to incidence data: ☑ A. The host country government collects at least every 5 years HIV prevalence data disaggregated by: ☑ Age (at coarse disaggregates) ☑ Age (at fine disaggregates) ☑ Sex ☑ Key populations (FSW, PWID, MSM, TG, prisoners) ☑ Priority populations (AGYW, clients of sex workers, military, mobile populations, non-injecting drug users) ☑ Sub-national units ☑ B. The host country government collects at least every 5 years HIV incidence disaggregated by: ☑ Age (at coarse disaggregates) ☐ Age (at fine disaggregates) ☑ Sex ☐ Key populations (FSW, PWID, MSM, TG, prisoners) ☐ Priority populations (AGYW, clients of sex workers, military, mobile populations, non-injecting drug users) ☐ Sub-national units	14.6 Score: 0.58	Key informants discussion and stakeholder review 9 Sep 19 http://203.157.15.110/boe/diseases.php?ds_key=c2l0&dsid=MzI=&ds=QWNxdWlyZWQgaW1tdW5vZGVmaWNpZW5jeSBzeW5kcm9tZSA6IEFJRFM=	

14.7 Comprehensiveness of Viral Load Coverage Data: To what extent does the host country government collect/report viral load coverage data according to relevant disaggregations and across all PLHIV? (if exact or approximate percentage is known, please note in Comments column)	○ A. The host country government does not collect/report viral load coverage data or does not conduct viral load monitoring ◉ B. The host country government collects/reports viral load coverage data (answer both subsections below): Government collects/report viral load coverage data according to the following disaggregates (check ALL that apply): ☑ Age ☑ Sex ☑ Key populations (FSW, PWID, MSM, TG, prisoners) ☑ Priority populations (AGYW, clients of sex workers, military, mobile populations, non-injecting drug users) For what proportion of PLHIV does the government collect/report viral load coverage data (select one of the following): ☐ Less than 25% ☐ 25-50% ☐ 50-75% ☑ More than 75%	14.7 Score: 0.83	http://napdl.nhso.go.th/NAPPWebReport/report/new_report_garp4.jsp	Data disaggregation by key populations has been implemented. Data was disaggregated from 2016 onward. So there was limitation interpretaiton of KP disaggregation before 2016.
14.8 Comprehensiveness of Key and Priority Populations Data: To what extent does the host country government conduct integrated behavioral surveillance (either as a standalone IBBS or integrated into other routine surveillance such as HSS+) and size estimation studies for key and priority populations? (Note: Full score possible without selecting all disaggregates.) Please note most recent survey dates in comments section.	○ A. The host country government does not conduct IBBS or size estimation studies for key populations (FSW, PWID, MSM, TG, prisoners) or priority populations (Military, etc.). ◉ B. The host country government conducts (answer both subsections below): IBBS (or other integrated behavioral surveillance) for (check ALL that apply): ☑ Female sex workers (FSW) ☑ Men who have sex with men (MSM) ☑ Transgender (TG) ☐ People who inject drugs (PWID) ☐ Prisoners ☐ Priority populations (AGYW, clients of sex workers, military, mobile populations, non-injecting drug users) Size estimation studies for (check ALL that apply): ☑ Female sex workers (FSW) ☑ Men who have sex with men (MSM) ☑ Transgender (TG) ☑ People who inject drugs (PWID) ☑ Prisoners ☐ Priority populations (AGYW, clients of sex workers, miliitary, mobile populations, non-injecting drug users)	14.8 Score: 0.73	Key informants discussion and stakeholder review 9 Sep 19 http://www.boe.moph.go.th/aids/indexb.php http://www.boe.moph.go.th/aids/download.php	

14.9 Timeliness of Epi and Surveillance Data: To what extent is a timeline for the collection of epidemiologic and surveillance data outlined in a national HIV/AIDS surveillance and survey strategy (or a national surveillance and survey strategy with specifics for HIV)?	○ A. There is no national HIV surveillance and surveys strategy, or a national surveillance and surveys strategy exists but does not include specifics for HIV surveillance and surveys ○ B. A national HIV surveillance and surveys strategy exists (or a national surveillance and surveys strategy exists and includes specifics for HIV), but the strategy does not outline a timeline for data collection for all relevant population groups ◉ C. A national HIV surveillance and surveys strategy exists (or a national surveillance and surveys strategy exists and includes specifics for HIV), and outlines a timeline for data collection for all relevant population groups	14.9 Score: 0.83	http://www.boe.moph.go.th/aids/Downloads/sen/RSEN/Rsen36_final.pdf http://www.boe.moph.go.th/aids/download.php	
14.10 Quality of Surveillance and Survey Data: To what extent does the host country government define and implement policies, procedures and governance structures that assure quality of HIV/AIDS surveillance and survey data?	○ A. No governance structures, procedures or policies designed to assure surveys & surveillance data quality exist/could be documented. ◉ B. The following structures, procedures or policies exist to assure quality of surveys & surveillance data (check all that apply): ☑ A national surveillance unit or other entity is responsible for assuring the quality of surveys & surveillance data ☑ A national, approved surveys & surveillance strategy is in place, which outlines standards, policies and procedures for data quality assurance ☑ Standard national procedures & protocols exist for reviewing surveys & surveillance data for quality and sharing feedback with appropriate staff responsible for data collection ☑ An in-country internal review board (IRB) exists and reviews all protocols.	14.10 Score: 0.83	Key informants discussion and stakeholder review 9 Sep	
		Epidemiological and Health Data Score: **8.47**		Score decreased due to insufficient staff and budget to manage new surveillance systems. PEPFAR and GFATM still provide technical and funding support for KP surveillance and monitoring systems.

15. Financial/Expenditure data: Government collects, tracks and analyzes and makes available financial data related to HIV/AIDS, including the financing and spending on HIV/AIDS expenditures from all financing sources, costing, and economic evaluation, efficiency and market demand analyses for cost-effectiveness.			**Data Source**	**Notes/Comments**
15.1 Who Leads Collection of Expenditure Data: To what extent does the host country government lead & manage a national expenditure tracking system to collect HIV/AIDS expenditure data?	○ A. No tracking of public HIV/AIDS expenditures has occurred within the past 5 years ○ B. Collection of public HIV/AIDS expenditure data occurs using a standard tool (i.e. NASA, NHA), but planning and implementation is primarily led by external agencies, organizations, or institutions ○ C. Collection of public HIV/AIDS expenditure data occurs using a standard tool (i.e. NASA, NHA) and planning and implementation is led by the host country government, with substantial external technical assistance ○ D. Collection of public HIV/AIDS expenditure data occurs using a standard tool (i.e. NASA, NHA) and planning and implementation is led by the host country government, with some external technical assistance ◉ E. Collection of public HIV/AIDS expenditure data occurs using a standard tool (i.e. NASA, NHA), and planning and implementation is led by the host country government, with minimal or no external technical assistance	15.1 Score: 3.33	Key informants discussion and stakeholder review 9 Sep 19. Thailand NASA report 2016-2017. The country has been in the harmonization process by integrating or linking data system to provide complete cascade performance monitoring data.	IHPP conducted NASA every other year but collecting annual expenditures and analysis by year
15.2 Comprehensiveness of Expenditure Data: To what extent does the host country government collect HIV/AIDS public sector expenditures according to funding source, expenditure type, program and geographic area?	○ A. No HIV/AIDS expenditure tracking has occurred within the past 5 years ◉ B. HIV/AIDS expenditure data are collected (check all that apply): ☑ By source of financing, such as domestic public, domestic private, out-of-pocket, Global Fund, PEPFAR, others ☑ By expenditures per program area, such as prevention, care, treatment, health systems strengthening ☑ By type of expenditure, such as training, overhead, vehicles, supplies, commodities/reagents, personnel ☐ Sub-nationally	15.2 Score: 2.50	Key informants discussion and stakeholder review 9 Sep 19. Thailand NASA report 2016-2017. The country has been in the harmonization process by integrating or linking data system to provide complete cascade performance monitoring data.	IHPP conducted NASA every other year but collecting annual expenditures and analysis by year
15.3 Timeliness of Expenditure Data: To what extent are expenditure data collected in a timely way to inform program planning and budgeting decisions?	○ A. No HIV/AIDS expenditure data are collected ○ B. HIV/AIDS expenditure data are collected irregularly, and more than 3 years ago ○ C. HIV/AIDS expenditure data were collected at least once in the past 3 years ○ D. HIV/AIDS expenditure data are collected annually but represent more than one year of expenditures ◉ E. HIV/AIDS expenditure data are collected annually and represent only one year of expenditures	15.3 Score: 3.33	Key informants discussion and stakeholder review 9 Sep 19.	IHPP conducted NASA every other year but collecting annual expenditures and analysis by year
		Financial/Expenditure Data Score: 9.17		

16. Performance data: Government routinely collects, reports, analyzes and makes available HIV/AIDS service delivery data. Service delivery data are analyzed to track program performance, i.e. coverage of key interventions, results against targets, and the continuum of care and treatment cascade, including linkage to care, adherence and retention, and viral load testing coverage and suppression.			**Data Source**	**Notes/Comments**
16.1 Who Leads Collection and Reporting of Service Delivery Data: To what extent is the routine collection and reporting of HIV/AIDS service delivery data institutionalized in an information system and managed and operated by the host country government at the national level?	○A. No system exists for routine collection of HIV/AIDS service delivery data ○B. Multiple unharmonized or parallel information systems exist that are managed and operated separately by various government entities, local institutions and/or external agencies/institutions ○C. One information system, or a harmonized set of complementary information systems, exists and is primarily managed and operated by an external agency/institution ◉D. One information system, or a harmonized set of complementary information systems, exists and is managed and operated by the host country government with technical assistance from external agency/institution ○E. One information system, or a harmonized set of complementary information systems, exists and is managed and operated by the host country government	16.1 Score: 1.00	http://napdl.nhso.go.th/NAPWebReport/main_rep.jsp	NHSO leads the service delivery data collection through the national AIDS program (NAP) which is a centralized real time online system. The main purpose is for HIV fund management. The system has been adjusted to accommodate performance monitoring and share data with stakeholders for program improvement.
16.2 Who Finances Collection of Service Delivery Data: To what extent does the host country government finance the routine collection of HIV/AIDS service delivery data (e.g., salaries of data clerks/M&E staff, printing & distribution of paper-based tools, electronic reporting system maintenance, data quality supervision, etc.)? (if exact or approximate percentage known, please note in Comments column)	○A. No routine collection of HIV/AIDS service delivery data exists ○B. No financing (0%) is provided by the host country government ○C. Minimal financing (approx. 1-9%) is provided by the host country government ○D. Some financing (approx. 10-49%) is provided by the host country government ◉E. Most financing (approx. 50-89%) is provided by the host country government ○F. All or almost all financing (90% +) is provided by the host country government	16.2 Score: 2.50	Key informants discussion and stakeholder review 9 Sep 19.	NAP and 43 files are financed by host country. New monitoring system e.g. Real Time Cohort Monitoring system, RIHIS funded by Global Fund. EIIS, AZP, RTCM

16.3 Comprehensiveness of Service Delivery Data: To what extent does the host country government collect HIV/AIDS service delivery data by population, program and geographic area? (Note: Full score possible without selecting all disaggregates.)	Check ALL boxes that apply below: ☑ A. The host country government routinely collects & reports service delivery data for: ☑ HIV Testing ☑ PMTCT ☑ Adult Care and Support ☑ Adult Treatment ☑ Pediatric Care and Support ☐ Orphans and Vulnerable Children ☐ Voluntary Medical Male Circumcision ☑ HIV Prevention ☑ AIDS-related mortality ☑ B. Service delivery data are being collected: ☑ By key population (FSW, PWID, MSM, TG, prisoners) ☐ By priority population (AGYW, clients of sex workers, military, mobile populations, non-injecting drug users) ☑ By age & sex ☑ From all facility sites (public, private, faith-based, etc.) ☑ From all community sites (public, private, faith-based, etc.)	16.3 Score: 1.22	http://napdl.nhso.go.th/NAPWebReport/main_rep.jsp	
16.4 Timeliness of Service Delivery Data: To what extent are HIV/AIDS service delivery data collected in a timely way to inform analysis of program performance?	○ A. The host country government does not routinely collect/report HIV/AIDS service delivery data ○ B. The host country government collects & reports service delivery data annually ○ C. The host country government collects & reports service delivery data semi-annually ◉ D. The host country government collects & reports service delivery data at least quarterly	16.4 Score: 1.33	http://napdl.nhso.go.th/NAPWebReport/main_rep.jsp	

16.5 Analysis of Service Delivery Data: To what extent does the host country government routinely analyze service delivery data to measure program performance (i.e., continuum of care cascade, coverage, retention, viral suppression, AIDS-related mortality rates)?	○ A. The host country government does not routinely analyze service delivery data to measure program performance ◉ B. Service delivery data are being analyzed to measure program performance in the following ways (check all that apply): ☐ Continuum of care cascade for each identified priority population (AGYW, clients of sex workers, military, mobile populations, non-injecting drug users), including HIV testing, linkage to care, treatment, adherence and retention, and viral load ☑ Continuum of care cascade for each relevant key population (FSW, PWID, MSM, TG, prisoners), including HIV testing, linkage to care, treatment, adherence and retention, and viral load ☑ Results against targets ☑ Coverage or recent achievements of key treatment & prevention services (ART, PMTCT, VMMC, etc.) ☐ Site-specific yield for HIV testing (HTC and PMTCT) ☐ AIDS-related mortality rates ☑ Variations in performance by sub-national unit ☑ Creation of maps to facilitate geographic analysis	16.5 Score: 0.83	http://napdl.nhso.go.th/NAPWebReport/LoginServlet http://napdl.nhso.go.th/NAPWebReport/main_rep.jsp	The analysis usually done by central or provincial M&E team at BATS or NHSO to monitor program performance and budget allocation, program quality improvement plan.
16.6 Quality of Service Delivery Data: To what extent does the host country government define and implement policies, procedures and governance structures that assure quality of HIV/AIDS service delivery data?	○ A. No governance structures, procedures or policies designed to assure service delivery data quality exist/could be documented. ◉ B. The following structures, procedures or policies exist to assure quality of service delivery data (check all that apply): ☑ A national, approved data quality strategy is in place, which outlines standards, policies and procedures for HIV/AIDS data quality assurance ☐ A national protocol exists for routine (at least annual) Data Quality Audits/Assessments of key HIV program indicators, which are led and implemented by the host country government ☐ Standard national procedures & protocols exist for routine data quality checks at the point of data entry ☐ Data quality reports are published and shared with relevant ministries/government entities & partner organizations ☑ The host country government leads routine (at least annual) data review meetings at national & subnational levels to review data quality issues and outline improvement plans	16.6 Score: 0.53	Key informants discussion and stakeholder review 9 Sep 19.	Global Fund support RDQA, RTCM DQA protocols. Current DQA activities led by country with some budget support from GF. The protocol has been disseminated but practices may be varied.
		Performance Data Score: **7.42**		

17. Data for Decision-Making Ecosystem: Host country government demonstrates commitment and capacity to advance the use of data in informing government decisions and cultivating an informed, engaged civil society.			**Data Source**	**Notes/Comments**
17.1 Civil Registration and Vital Statistics (CRVS): Is there a CRVS system in place that records births and deaths and is fully operational across the country? Is CRVS data made publically available in a timely manner?	○ A. No, there is not a CRVS system. ◉ B. Yes, there is a CRVS system that... (check all that apply): ☑ records births ☑ records deaths ☑ is fully operational across the country [IF YES] How often is CRVS data updated and made publically available (select only one)? ☐ A. The host country government does not make CRVS data available to the general public, or they are made available more than one year after the date of collection. ☑ B. The host country government makes CRVS data available to the general public within 6-12 months. ☐ C. The host country government makes CRVS data available to the general public within 6 months.	17.1 Score: 1.50	http://bps.moph.go.th/new_bps/sites/default/files/statistic61%20full.pdf http://stat.bora.dopa.go.th/stat/statnew/statTDD/ http://stat.bora.dopa.go.th/new_stat/webPage/statByAge.php	
17.2 Unique Identification: Is there a national Unique Identification system that is used to track delivery of HIV/AIDS and other health services? Do national polices protect privacy of Unique ID information?	Is there a national Unique Identification system that is used to track delivery of HIV/AIDS and other health services? ○ A. No, there is no national Unique Identification system used to track delivery of services for HIV/AIDS or other health services. ○ B. Yes, there is a national Unique Identification system used to track delivery of services for HIV/AIDS, but not other health services. ◉ C. Yes, there is a national Unique Identification system used to track delivery of services for HIV/AIDS and other health services. [IF YES to B or C] Are there national policies, procedures and systems in place that protect the security and privacy of Unique ID information? ☑ Yes ☐ No	17.2 Score: 2.00		According to law, every child born in Thailand has to register and receive brith certificate within 15 days after birth. They will receive 13 digit unique ID in the birht certification. This number will be used for all legal and citizen services for whole life time.

17.3 Interoperability of National Administrative Data: To fully utilize all administrative data, are HIV/AIDS data and other relevant administrative data sources integrated in a data warehouse where they are joined for analysis across diseases and conditions?	○A. No, there is no central integration of HIV/AIDS data with other relevant administrative data. ◉B. Yes, national HIV/AIDS administrative data is integrated and joined with administrative data on the following: ☑a. TB ☑b. Maternal and Child Health ☐c. Other Health Data (e.g., other communicable and non-communicable diseases) ☐d. Education ☐e. Health Systems Information (e.g., health workforce data) ☐f. Poverty and Employment ☑g. Other (specify in notes)	17.3 Score: 1.00	http://neo.moph.go.th/hdc/ http://hdc.moph.go.th/download/document/training/visualization2018/wasan/43_Data_Analytic.pdf	EIIS, link service delivery data from health facilities to MOPH - Health data centers and EIIS system to develop HIV mortality/morbility reports (under development). Dead registry link with NAP and MOPH health data center, The system for UIC among key population clients who do not want to provide national ID has been under development. There are some challenges in linkage of data from outreach activities to treatment data may have some challenges in this group. This limits the operability among this group.
17.4 Census Data: Does the host country government regularly (at least every 10 years) collect and publically disseminate census data?	○A. No, the host country government does not collect census data at least every 10 years ○B. Yes, the host country government regularly collects census data, but does not make it available to the general public. ◉C. Yes, the host country government regularly collects census data and makes it available to the general public. [IF YES to C only] Data that are made available to the public are disaggregated by: ☑a. Age ☑b. Sex ☑c. District	17.4 Score: 2.00		
17.5 Subnational Administrative Units: Are the boundaries of subnational administrative units made public (including district and site level)?	○A. No, the country's subnational administrative boundaries are not made public. ○B. Yes, the host country government publicizes district-level boundaries, but not site-level geocodes. ◉C. Yes, the host country government publicizes district-level boundaries and site-level geocodes.	17.5 Score: 2.00		
	Data for Decision-Making Ecosystem Score:	**8.50**		

THIS CONCLUDES THE SET OF QUESTIONS ON DOMAIN D