

## System B. Patient Monitoring

**Definition:** Patient monitoring systems collect routine data from health facilities related to clinical patient management. In HIV programming, patient monitoring systems are useful in measuring the second and third nineties as they capture program indicators such as service use, patient retention and treatment outcomes. Patient monitoring systems are often used to improve quality of services across various service areas. Data are often used to assess the health sector response from the facility to the national level.

B.1 Policy, Planning, and Legislation: Patient monitoring system for all diseases		Complete	Notes/Comments:
B.1.1 Is there an entity responsible for managing the patient monitoring system for all diseases?	<input type="radio"/> No	X	
	<input type="radio"/> Yes, check all entities that apply:		
	<input type="checkbox"/> Ministry of Health		
	<input type="checkbox"/> National Public Health Institute		
	<input type="checkbox"/> Another entity, specify:		
B.1.2 Has a strategic plan or other strategic document been developed? <i>If yes, please provide a soft copy.</i>	<input type="radio"/> No	X	
	<input type="radio"/> Yes		
B.1.3 Are patient monitoring data being used in the country?	<input type="radio"/> No	X	
	<input type="radio"/> Yes, check all that apply:		
	<input type="checkbox"/> National service coverage calculation		
	<input type="checkbox"/> Subnational service coverage calculation		
	<input type="checkbox"/> National quality of services improvement		
	<input type="checkbox"/> Subnational quality of services improvement		
	<input type="checkbox"/> National commodity forecasting		
	<input type="checkbox"/> Subnational commodity forecasting		
<input type="checkbox"/> Other use, specify:			
B.1.4 Is there a funding source for the patient monitoring system?	<input type="radio"/> No	X	
	<input type="radio"/> Yes, specify below:		
	<input type="checkbox"/> Domestic		
	<input type="checkbox"/> Global Fund		
	<input type="checkbox"/> PEPFAR		
	<input type="checkbox"/> Other bilateral, specify		
<input type="checkbox"/> Other multilateral, specify			

	<input type="checkbox"/> Other private, specify 		
B.1.5 Is the patient monitoring system used for social health insurance reimbursement?	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No, but other system is used (specify:) 	X	
<b>B.2 Policy, Planning, and Legislation: HIV Patient monitoring system</b>		<b>Complete</b>	<b>Notes/Comments:</b>
B.2.1 Is there an entity responsible for managing the patient monitoring system for HIV/AIDS?	<input type="radio"/> No <input type="radio"/> Yes, check all that apply: <input type="checkbox"/> Ministry of Health <input type="checkbox"/> National Public Health Institute <input type="checkbox"/> Another entity, specify: 	X	
B.2.2 Has a strategic plan or other strategic document been developed for HIV patient monitoring? <i>If yes, please provide a soft copy.</i>	<input type="radio"/> No <input type="radio"/> Yes, check all that apply: <input type="checkbox"/> The HIV patient monitoring plan exists within larger patient monitoring system strategy document <input type="checkbox"/> The HIV patient monitoring plan exists independent of the larger patient monitoring system strategy document 	X	
B.2.3 Are HIV patient monitoring data being used in the country?	<input type="radio"/> No <input type="radio"/> Yes, check all that apply: <input type="checkbox"/> National HIV service coverage calculation <input type="checkbox"/> Subnational HIV service coverage calculation <input type="checkbox"/> National quality of service improvement <input type="checkbox"/> Subnational quality of service improvement <input type="checkbox"/> National HIV commodity forecasting <input type="checkbox"/> Subnational HIV commodity forecasting <input type="checkbox"/> Other use, specify: 	X	
	<input type="radio"/> No 		

<p>B.2.4 Is there a funding source for the HIV patient monitoring system?</p>	<input type="radio"/> Yes, specify below: <input type="checkbox"/> Domestic <input type="checkbox"/> Global Fund <input type="checkbox"/> PEPFAR <input type="checkbox"/> Other bilateral, specify below <input type="checkbox"/> Other multilateral, specify below <input type="checkbox"/> Other private, specify below	<p>X</p>	
<p><b>B.3 System Organization: Patient monitoring system for all diseases</b></p>		<p><b>Complete</b></p>	<p><b>Notes/Comments:</b></p>
<p>B.3.1 What is the approximate geographic coverage of the patient monitoring system?</p>	<input type="radio"/> N/A <input type="radio"/> 1% - 25% <input type="radio"/> 26% - 50% <input type="radio"/> 51% - 75% <input type="radio"/> 76% - 100% <p>If geographic coverage is &gt; 0%, specify if:</p> <input type="checkbox"/> Patient monitoring is in urban areas <input type="checkbox"/> Patient monitoring is in rural areas <input type="checkbox"/> Patient monitoring is in urban and rural areas	<p>X</p>	
<p>B.3.2 What is the lowest level at which patient data are collected?</p>	<input type="radio"/> N/A <input type="radio"/> National <input type="radio"/> Subnational level 1 <input type="radio"/> Subnational level 2 <input type="radio"/> Subnational level 3	<p>X</p>	
<p>B.3.3 Are patient data linked to other systems?</p>	<input type="radio"/> N/A <input type="radio"/> No <input type="radio"/> Yes, check all linked systems that <input type="checkbox"/> Case reporting system <input type="checkbox"/> Laboratory information system <input type="checkbox"/> Vital statistics system <input type="checkbox"/> Health insurance system(s)	<p>X</p>	

	<input type="checkbox"/> Other, specify:	
B.3.4 Does the private sector monitor patients using the same system?	<input type="radio"/> N/A <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Partially If yes or partially, check all that apply: <input type="checkbox"/> Any portion of the private sector monitors patients through the same paper-based system <input type="checkbox"/> Any portion of the private sector monitors patients through the same electronic system	X
B.3.5 Does the patient monitoring system use a unique identifier?	<input type="radio"/> N/A <input type="radio"/> No <input type="radio"/> Yes, check all that apply: <input type="checkbox"/> The unique identifier is the National ID <input type="checkbox"/> The unique identifier is the Health ID <input type="checkbox"/> The unique identifier is system-specific <input type="checkbox"/> The unique identifier is created from client demographics (e.g. algorithm) <input type="checkbox"/> The unique identifier is linked to biometric data	X
B.3.6 Is an electronic system used for patient monitoring in any area of the country?	<input type="radio"/> N/A <input type="radio"/> No <input type="radio"/> Yes <input type="checkbox"/> Electronic system is in urban areas only <input type="checkbox"/> Electronic system is in rural areas only <input type="checkbox"/> Electronic system is in urban and rural areas	X
B.3.7 What is the <b>lowest</b> level at which patient data are collected through electronic systems?	<input type="radio"/> N/A <input type="radio"/> National <input type="radio"/> Subnational level 1 <input type="radio"/> Subnational level 2	X

	<input type="radio"/> Subnational level 3		
B.3.8 What is the approximate electronic coverage of the patient monitoring system across all health facilities?	<input type="radio"/> N/A	X	
	<input type="radio"/> 1% - 25%		
	<input type="radio"/> 26% - 50%		
	<input type="radio"/> 51% - 75%		
	<input type="radio"/> 76% - 100%		
B.3.9 Does the electronic system capture patient data at the individual or aggregate level?	<input type="radio"/> N/A	X	
	<input type="radio"/> Individual		
	<input type="radio"/> Aggregate		
	<input type="radio"/> Both individual and aggregate		
B.3.10 Are security measures in place for the electronic patient monitoring system?	<input type="radio"/> N/A	X	
	<input type="radio"/> No		
	<input type="radio"/> Yes, check all security measures that apply:		
	<input type="checkbox"/> Physical barrier		
	<input type="checkbox"/> Software barrier		
	<input type="checkbox"/> Legal barrier		
	<input type="checkbox"/> Encryption		
<input type="checkbox"/> Unique identifier			
<b>B.4 System Organization: HIV Patient monitoring system</b>		<b>Complete</b>	<b>Notes/Comments:</b>
B.4.1 What is the approximate geographic coverage of the HIV patient monitoring system?	<input type="radio"/> N/A	X	
	<input type="radio"/> 1% - 25%		
	<input type="radio"/> 26% - 50%		
	<input type="radio"/> 51% - 75%		
	<input type="radio"/> 76% - 100%		
	If geographic coverage is > 0%, specify if:		
	<input type="checkbox"/> HIV patient monitoring is in urban areas		
	<input type="checkbox"/> HIV patient monitoring is in rural areas		
<input type="checkbox"/> HIV patient monitoring is in urban and rural areas			

<p>B.4.2 What is the lowest level at which HIV patient data are collected?</p>	<input type="radio"/> N/A <input type="radio"/> National <input type="radio"/> Subnational level 1 <input type="radio"/> Subnational level 2 <input type="radio"/> Subnational level 3	<p style="text-align: center; color: red; font-weight: bold;">X</p>	
<p>B.4.3 Are HIV patient data linked to other systems?</p>	<input type="radio"/> N/A <input type="radio"/> No <input type="radio"/> Yes, check all linked systems: <input type="checkbox"/> Case reporting system <input type="checkbox"/> Laboratory information system <input type="checkbox"/> Vital statistics system <input type="checkbox"/> Health insurance system(s) <input type="checkbox"/> Other, specify: <div style="background-color: #fff3cd; height: 15px; width: 100%;"></div>	<p style="text-align: center; color: red; font-weight: bold;">X</p>	
<p>B.4.4 Does the private sector monitor HIV patients using the same system?</p>	<input type="radio"/> N/A <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Partially <p>If yes or partially, check all that apply:</p> <input type="checkbox"/> Any portion of the private sector monitors HIV patients using the same paper-based system <input type="checkbox"/> Any portion of the private sector monitors HIV patients using the same electronic system	<p style="text-align: center; color: red; font-weight: bold;">X</p>	
<p>B.4.5 Is an electronic system used for HIV patient monitoring in any area of the country?</p>	<input type="radio"/> N/A <input type="radio"/> No <input type="radio"/> Yes, check all that apply: <input type="checkbox"/> Electronic system is in urban areas <input type="checkbox"/> Electronic system is in rural areas <input type="checkbox"/> Electronic system is in urban and rural areas	<p style="text-align: center; color: red; font-weight: bold;">X</p>	

B.4.6 What is the <b>lowest</b> level at which HIV patient data are collected through electronic systems?	<input type="radio"/> N/A	X	
	<input type="radio"/> National		
	<input type="radio"/> Subnational level 1		
	<input type="radio"/> Subnational level 2		
	<input type="radio"/> Subnational level 3		
B.4.7 What is the approximate electronic coverage of the HIV patient monitoring system across all health facilities?	<input type="radio"/> N/A	X	
	<input type="radio"/> 1% - 25%		
	<input type="radio"/> 26% - 50%		
	<input type="radio"/> 51% - 75%		
	<input type="radio"/> 76% - 100%		
B.4.8 Does the electronic system capture HIV patient data at the individual or aggregate level?	<input type="radio"/> N/A	X	
	<input type="radio"/> Individual		
	<input type="radio"/> Aggregate		
	<input type="radio"/> Both individual and aggregate		
B.4.9 Are security measures in place for the electronic HIV patient monitoring system?	<input type="radio"/> N/A	X	
	<input type="radio"/> No		
	<input type="radio"/> Yes, check all security measures that apply:		
	<input type="checkbox"/> Physical barrier		
	<input type="checkbox"/> Software barrier		
	<input type="checkbox"/> Legal barrier		
	<input type="checkbox"/> Encryption		
<input type="checkbox"/> Unique identifier			