

## Enhanced Surveillance Strategy for COVID-19

### 1. Active Surveillance in High-Risk Areas:

Paro, Thimphu, Samtse, Trashichholing, Phuentsholing, Lhamoizingkha, Gelephu, Panbang, Nganglam, Samdrup Jongkhar, Samdrupcholing, Jomotshangkha.

- All Frontline worker identified by the respective Dzongkhag / Taskforce must be tested every two weeks (14 days) with exception of health worker, which is exclusively identified.

<b>Risk sites</b>	<b>Risk groups</b>	<b>Testing method</b>	<b>Frequency of testing</b>	<b>Sample size</b>	<b>Report/ recording system</b>	<b>Responsibility</b>	<b>Remarks</b>
<b>Paro International Airport, PoE- Ground Crossings, MDP / depot, Private warehouses, Border patrolling</b>	Registered Frontline workers identified by the respective agencies	RT-PCR	Weekly	50% of the group should be tested every week so that every individual is tested once in two weeks	<b>COVID-19 Test Record for Frontline workers</b>	Respective agency head through COVID-19 Taskforce (Dzongkha / regional)	Existing but need to ensure compliance to testing protocol, monitoring and reporting to DDM (Secretariat to NC19TF)
<b>Factories and industries</b>	All staff*- identify all at risk individuals working in the unit including support staff	Rapid Ag (transition to conduct their own testing)	Every 14 <sup>th</sup> Day	20 % of the randomly selected staff should be tested every 14 <sup>th</sup> day	<b>Health Facility System (Surveillance module)</b>	Chair of the Regional COVID-19 Task Forces	Existing but need to ensure compliance to testing protocol, monitoring and reporting to DDM (Secretariat to NC19TF)
<b>Health facilities excluding primary healthcare centers</b>	All staff (clinical, administrative, support staffs, drivers, etc) *	RT-PCR where current access is available if not Rapid Ag	Weekly	50% of the group should be tested every week so that every individual is tested once in two weeks		MS/ CMOs/ MOICs	Respective health facilities report to National Surveillance Team
	In-patient and attendant	Rapid Ag during non-outbreak; RT-PCR during outbreak time	Before admission	All		MS/ CMOs/ MOICs	
	Outpatient undergoing invasive procedures	Rapid Ag	Before medical procedures	All	MS/ CMOs/ MOICs		

<b>COVID-19 Task Forces</b>	Task force members	RT-PCR where currently accessible. Where RT-PCR is not available use Rapid Ag	Every 14 <sup>th</sup> Day	50 % of the randomly selected members every 14 <sup>th</sup> day so that each individual should be tested once a month	COVID-19 Test Record for Frontline workers	Chairpersons of the Regional C19TFs, Dasho Dzongda/ Thrompon/ Dungpa	Existing but need to ensure compliance to testing protocol, monitoring and reporting to DDM (Secretariat to NC19TF)
<b>Schools &amp; institutions – located in district and satellite towns</b>	Teaching faculty, administrative staff, support staff	Rapid Ag	Every 14 <sup>th</sup> Day	10% randomly selected staff.	<b>Health Facility System (HFS)</b>	Head of schools and institution	<b>New measure:</b> Ensure compliance to testing protocol. Monitoring and reporting to DDM (Secretariat to NC19TF)
	Students /trainees	Rapid Ag	Every 14 <sup>th</sup> Day	10% randomly selected students from each class/section			
<b>Vegetable markets – Thimphu, Paro, Phuentsholing only</b>	Vendors and management	Rapid Ag	Every 14 <sup>th</sup> Day	50% of vendors and CFM management staff; 300 randomly selected customers		Dasho Dzongda of Paro/ CFM Management of Thimphu	<b>New measure:</b> Ensure compliance to testing protocol. Monitoring and reporting to DDM (Secretariat to NC19TF)
<b>Mega Projects</b>	Laborers; management and support staff	Rapid Ag (transition to conduct their own testing by their own health center)	Every 14 <sup>th</sup> Day	10 % representing from various categories of workers		Head of a Project Authority	
<b>Monastic Institutions – urban and near periphery of urban areas</b>	Monks and nuns	Rapid Ag	Every 14 <sup>th</sup> Day	10% randomly selected		Head of Institutions	
<b>Mobile population – Chuzom and Menchuna Check Posts and City buses</b>	Bus drivers (within City and inter district)	Rapid Ag	Every 14 <sup>th</sup> Day	50% (every individual should be tested once monthly)		Thimphu Throm/ RSTA	
	Driver and passenger of all vehicles including government and military vehicles going out of Thimphu and Paro	Rapid Ag	Every day Sampling spread over 9.00 AM to 5.00 PM	Driver and passenger of every 10 <sup>th</sup> vehicles		Dasho Dzongda, RBP	

	Inter-dzongkhag Public transport buses and passengers leaving Thimphu and Paro at Bus Stations	RT-PCR	One random day a week	100% of the passengers coming to buy tickets on that selected random day		RSTA	
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\*The head of COVID-19 TF should identify all individuals working in the unit (e.g. Paro International Airport or MDP, etc) and send the details of staff or officials as per the Excel Template attached to DDM (Secretariat to the National COVID-19 Task Force-NC19TF)

## 2. Active Surveillance in low-Risk Districts

- ALL Frontline workers identified by the respective Dzongkhag/ Taskforce must be tested every two weeks with exception of health worker, which is exclusively identified.

Risk sites	Risk Groups	Testing method	Frequency of Testing	Sample size	Report/ recording system	Responsible	Remarks
<b>Health facilities - all districts hospital (exception of PHCs)</b>	All staff (clinical, administrative, support staffs, drivers, etc) *	Rapid Ag	Every 14 <sup>th</sup> Day	50 % of the staff. That is every individual should be tested once monthly	<b>Health Facility System (Surveillance module)</b>	MS/ CMOs/ MOs	Respective health facilities report to National Surveillance Team
	In-patient and attendant- only referral hospitals	Rapid Ag	Before admission	All		MS/ CMOs/MOs	
	Outpatient (undergoing invasive procedures) - only referral hospitals	Rapid Ag	Before performing medical procedures	All		MS/ CMOs/MOs	
<b>Schools &amp; institutions – all schools in district and satellite towns only</b>	Teaching faculty, administrative staff, support staff and students	Rapid Ag	Every 14 <sup>th</sup> Day	5% randomly selected		Head of schools and institution	<b>New measure:</b> Ensure compliance to testing protocol. Monitoring and reporting to DDM (Secretariat to NC19TF)

\*The head of COVID-19 TF should identify all individuals working in the unit (e.g. Paro International Airport or MDP, etc) and send the details of staff or officials as per the Excel Template attached to DDM (Secretariat to the National COVID-19 Task Force-NC19TF)

### 3. Passive Surveillance for both High-risk and Low-Risk Area

<b>Risk sites</b>	<b>Risk Groups</b>	<b>Testing method</b>	<b>Frequency of Testing</b>	<b>Sample size</b>	<b>Report/ recording system</b>	<b>Responsible</b>	<b>Remarks</b>
<b>Health facilities</b> ILI (flu clinic) and SARI (in patient, hospital)	Symptomatic individual	Rapid Ag follow by RT-PCR if positive	As and when reported	All	<b>Health Facility System</b> (Surveillance module)	MS/CMOs/MOs	Respective health facilities report to National Surveillance Team
<b>Hospital - admission testing</b>	Inpatient and attendant	Rapid Ag	On admission	All		MS/CMOs/MOs	
<b>Schools and institutions - symptomatic testing</b>	Teaching faculty, administrative staff, support staff and students	Rapid Ag	Symptomatic faculty and students	All		Head of schools and institutions	