# Supplementary Material 2: Key study results

Country	Primary care specific	Clinical service delivery	Public health functions	Primary care facility operational level	Health system level
Australia	No	Surge capacity: Not described  Service maintenance: Not described	Control measures: Public Health Unit (PHU) staff contribute to the expert assessment of patients under investigation as possible cases on request from hospital clinicians or general practitioners; response to a notification will normally be carried out in collaboration with the clinicians managing the case	Minimizing risk of spread: Patients presenting to GP, hospital ED, or pathology collection centre meets the suspect case definition, patient should immediately be given a surgical mask to put on, directed to a single room, if patient has severe symptoms suggestive of pneumonia they should be directed to a negative pressure room (if available); HCW should follow contact and droplet precautions, contact and airborne precautions when performing aerosol-generating procedures and for care of critically ill patients  Access to medications: Not described  Communications: PHU advised that on the same day as notification of a confirmed, probable, or suspect case, begin follow up investigation and, where applicable, notify central state or territory communicable diseases agency  Operational continuity:  Not described	Integrated planning: Coordination between clinical settings, PHUs and central state or territory communicable diseases agency  Appropriate legislation: Not described  Financing mechanisms: Not described
				and, where applicable, notify central state or territory communicable diseases agency	

#### Canada No Surge capacity: Describes the **Effective surveillance:** Minimizing risk of spread: **Integrated planning:** The need for surge capacity planning Linkages with public health Not described for additional equipment and will help ensure that health staff to meet demand and prevent care providers stay informed Access to medications: burnout; includes strategies that of local surveillance Implementing a system for provinces and territories can information and relevant prescription renewal without adopt to enhance primary care public health guidance, an office or clinic visit; being activities, and initiatives surge capacity as well as steps flexible in allowing people to practices can take to manage stock up on opioid agonist patient demand on care; outlines treatments and medication to Control measures: overall health system risk Not described manage chronic pain; management approach including information on supply chain scenario in which primary care issues management and recommended prevention and services are "faced with an functioning overwhelming volume of mitigation strategies natients" **Communications:** Service maintenance: Telephone, web-based and Telephone, web-based and other other means of telecommunications means of telecommunication technology should be used to technology to ensure ongoing provide assessment, triage and service delivery; calls for advice; continuing to provide development of on-line tools for self-assessment and selfservices that are time sensitive such as contraception, abortion, monitoring to be developed in testing for sexually transmitted different languages infections and selected immunizations and tracking **Operational continuity:** deferred services for follow up Describes guidance for when appropriate ensuring appropriate staffing and encourages organizations to work collaboratively to relocate staff from usual roles and settings based on skills and need as well as outlines supports for healthcare workers and the reciprocal

**Appropriate legislation:** Section on the legal considerations that may arise during the provision of COVID-19 healthcare and denotes action for federal, provincial/territorial governments as well as regulatory authorities and healthcare organizations to support the pandemic response

Financing mechanisms: New fee codes for virtual consultations and telephone prescribing

obligations organizations have

to their workers

Canada	No	Surge capacity: Preparing for a surge in patients with respiratory infection is included as a primary goal for healthcare facilities  Service maintenance: Telemedicine for routine essential services; Telemedicine, patient portals, online selfassessment tools, phone calls to triage patients with symptoms	Effective surveillance: Not described  Control measures: Triage over the telephone and assess which patients with symptoms of COVID-19 can be managed by telephone and advised to stay home; Triage on site including visual alerts with information on COVID-19, hand and respiratory hygiene and cough etiquette	Minimizing risk of spread: Offers infection prevention and control guidance and primary care facility preparation steps; face masks provided to patients at triage; physical distancing in waiting areas and separate areas for patients with respiratory symptoms with partitioning and signage; ask waiting patients to remain outside or stay in their vehicles; set up triage booths  Access to medications: Reach out to patients who may be at higher risk of COVID-19 to ensure they have sufficient medication	Integrated planning: Engage local community service organizations and home health services to assist home care patients with delivery of food, medication and other goods; Work with local and state public health organizations, healthcare coalitions and other local partners to understand the impact and spread of the outbreak in your area  Appropriate legislation: Not described  Financing mechanisms: Not described
				Communications: Communication with COVID- 19 home care patients and their caregivers; If possible arrange daily "check ins" with COVID-19 patients managed at home using telephone calls, text, patient portals or other means  Operational continuity: Ensure maintenance of essential healthcare facility staff and operations through flexible sick leave policies, do not require employees to have a healthcare providers note before return to work,	

designated hospitals to prepare necessary staff, medicines,  Using the existing national surveillance network to  Emphasize infection control in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on improve case from the surveillance network to in health facilities based on the surveillance network to include the surveillance network to the surveillance network to the surveillance network to the su	
China No Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines, surveillance network to extending hours, crosstraining current employees or hiring temporary employees  Effective surveillance: Minimizing risk of spread: Emphasize infection control different organism in health facilities based on improve case first training current employees  Lintegrated pla different organism in health facilities based on improve case first training current employees	nizations to
China No Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,	nizations to
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China No Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Surge capacity: Asked the designated hospitals to prepare necessary staff, medicines,  Effective surveillance:  Using the existing national surveillance network to in health facilities based on improve case fit	nizations to
designated hospitals to prepare necessary staff, medicines,  Using the existing national surveillance network to  Emphasize infection control in health facilities based on improve case fit	nizations to
resources are prioritised for the designated hospitals. Conduct technical trainings of COVID-19 for health care staff in all level of health facilities  Service maintenance: Not described  Service maintenance: Not described different depart distinction, medical observation, burial, disinfection, specimen collection, transportation, medical observation, burial, disinfection in specific places disinfection in specific places disinfection in specific places din	alth facilities, government employers, and close contact. at a sharing among them the through gs to discuss rend of COVID-19 regislation: wel of risk for according to and regulations on ase and public and implement regies according to chanisms: Ask the ent to commit
ready from the national CDC.  CDC.  CONID-19 pre control	
Operational continuity: Not reported	
	anning: Patients
If COVID-19 suspected a Not described presenting to do	
	COVID-19 should
described through the internet to the Access to medications: be transferred to	to a predesignated

			CDC within 2 hours after	Not described	hospital using secured dedicated
			initial suspicion and		transportation
			specimens should be	Communications:	
			collected for COVID-19	Not described	Appropriate legislation:
			nucleic acid test		Not described
				Operational continuity:	
			Control measures: Not	Not described	Financing mechanisms:
			described		Not described
Ethiopia	No	Surge capacity: Develop	Effective surveillance:	Minimizing risk of spread:	Integrated planning:
		staffing plan to allow for	Rumour investigation and	Emphasize hand and	Not described
		expanded service hours when	verification process may	respiratory hygiene and other	
		needed	initiate from health facilities	infection prevention	Appropriate legislation:
			(governmental and non-	techniques	Not described
		Service maintenance:	governmental) by calling a	through education, policies,	
		Determine if outpatient locations	dedicated number	signage, and easy availability	Financing mechanisms:
		and services should remain open		of supplies, details of these	Not described
		if the threat is too great to staff	Control measures: Triage	not described	
		and patients; Develop a process	to be conducted at sick		
		to limit/cancel non-essential	patients first point of contact	Access to medications:	
		visits; Develop referral/deferral	with health system	Develop a plan to expedite	
		plans for patients that do not		medication refills, details of	
		need acute care		plan not described	
				Communications: Develop a	
				process for screening and	
				triage of phone and email	
				requests for care to	
				limit office visits to those that	
				require an in-person provider	
				evaluation, details of these not	
				described	
				Onestional continuit	
				Operational continuity: Develop staffing plan to allow	
				for expanded service hours when needed, details of these	
				not described	
India	Yes	Surge capacity: Describes	Effective surveillance:	Minimizing risk of spread:	Integrated planning:
muia	1 68	offloading of awareness and	Gather accurate information	When going to the field, carry	Create a supportive environment
		education tasks by	from the person, gather	a sanitizer/soap for hand	by talking to local influencers,
		cuucation tasks by	from the person, gamer	a samuzer/soap for nand	by talking to local influencers,

		recommending that HCWs Seek the support of local influencers to support community awareness campaigns, identify high risk groups and share preventive measures and encourage representative from these groups to keep communicating to others; divide village into smaller groups with 'group leaders' and keep contact details for emergency support  Service maintenance: Not described	accurate information from the person: their name, date of birth, travel history, list of symptoms, record and communicate as per the surveillance format. Write the information clearly  Control measures: ANM to support DSO/MO in contact tracing and reporting and feedback; ANM with help of ASHA, CHV and ICDS-AWW to support DSO/MO implement home quarantine, home care and supportive services; address psychosocial care	washing, carry masks and extra masks if required, avoid touching your face, avoid touching high touch points (door bells, knobs, support rails)  Access to medications: Not described  Communications: ANM, AWW and ASHA to provide information to communities re:COVID-19 as well as continuing their routine primary care duties, communicate with District Surveillance Officer, Medical Officer; State Helpline Number; Ministry of Health & Family Welfare, Government of India 24x7 helpline  Operational continuity: Not described	planning community support for high risk groups, developing community networks for support, help develop community household emergency contact lists  Appropriate legislation: Not described  Financing mechanisms: Not described
Ireland	Yes	Surge capacity: Not described  Service maintenance: Remote consultations	Control measures: Initial assessment and triage over telephone to determine if they should be seen in practice or sent to a COVID-19 testing facility or COVID-19 assessment hub; suspend 'walk-in' appointments and require telephone screening; place signs at entrance	Minimizing risk of spread: For symptomatic patients to be seen in practice, try to see them in succession during specific hours; minimize their time spent in the practice environment and separate from other patients; patients with respiratory symptoms should be offered a mask; hand hygiene, not touching face, PPE guidance for staff, physical distancing of 1 to 2m between staff and patients and between patients	Integrated planning: Not described  Appropriate legislation: Not described  Financing mechanisms: Not described

Malaysia	No	Surge capacity:	Effective surveillance: If	Access to medications: Not described  Communications: GPs should take all practical measures to assess and manage patients with symptoms of infection remotely using telephone and other remote communication including consideration of using video links through mobile phones/tablet/computer where practical  Operational continuity: Not described  Minimizing risk of spread:	Integrated planning: Notify the
-		Not described	PUI, take patient identifiers and notify the district health office	Disinfect waiting area after patient leaves	district health office of PUI sent for further investigation
		Service maintenance: Not		Access to medications:	Appropriate legislation:
		described	<b>Control measures:</b> Provide good visual signages in all	Not described	Not described Financing mechanisms:
			relevant languages; provide	Communications: Notify the	Not described
			active screening; if PUI	district health office of PUI	
			place patient in pre-	sent for further investigation	
			designated waiting area; patient they can use own	Operational continuity:	
			transport to nearest	Not described	
			screening hospital or contact		
			the onward referral site for		
Malaysia	No	Surge capacity:	transport arrangement  Effective surveillance:	Minimizing risk of spread:	Integrated planning: Consult
iviaiaysia	INO	Not described	Not described	A special area should be set	with physician-on-call of
		1.01 described	1.50 described	up for COVID-19 to which	screening hospital and determine
		Service maintenance:		PUI can be directly assessed	whether further review is needed
		Not described		and managed by a dedicated	or whether PUI requires

			Control measures: Screening and triage of person under investigation	team where possible; adhere to infection, prevention and control guidelines in Annex 7 and use PPE  Access to medications: Not described  Communications: Consult with physician-on-call of screening hospital  Operational continuity:	admission to admitting hospital; PUI from GP or private hospital to be reassessed by screening hospital, screening hospital will inform and coordinate referral to admitting hospital if necessary  Appropriate legislation: Not described  Financing mechanisms: Not described
New Zealand	Yes	Surge capacity: Not described  Service maintenance: Provision of active monitoring of non-hospitalised probable and confirmed cases is a public health unit responsibility unless there has been clear delegation to another provider	Effective surveillance: Not described  Control measures: Provision of active monitoring of non-hospitalised probable and confirmed cases is a public health unit responsibility unless there has been clear delegation to another provider	Minimizing risk of spread: Frequent handwashing, avoiding touching face, cough etiquette, adherence to standard infection prevention and control practices in primary health care; PPE for patient and staff who will be in contact with the patient  Access to medications: Not described  Communications: Not described  Operational continuity: Not described	Integrated planning: Coordination with District Health Boards  Appropriate legislation: Not described  Financing mechanisms: Not described
New Zealand	Yes	Surge capacity: Not described  Service maintenance: Patients with suspected, probable or confirmed COVID-19 infection, or those under investigation,	Not described  Control measures: Not described	Minimizing risk of spread: PPE for patient and staff who will be in contact with the patient for more than 15 minutes and within 2 metres; dedicated room for patient;	Integrated planning: Coordination with District Health Boards  Appropriate legislation: Not described

		should be managed medically according to their symptoms and clinical state. They do not need to be hospitalised unless clinically indicated and their home care situation is suitable. No description of measures of continuation of ongoing routine care		general cleaning of the room following patient transfer  Access to medications: Not described  Communications: Primary care is responsible for informing patients and providing advice if test result is negative. Public health units will inform patients and provide information if the result is positive.  Operational continuity:	Financing mechanisms: Not described
Nigeria	No	Surge capacity: Not described  Service maintenance: Not described	Effective surveillance: Not described  Control measures: Not described	Not described  Minimizing risk of spread: Maintain Infection Prevention and Control procedures, identify staff who will be involved in transfer of suspected case to designated treatment centre, prepare documents and assemble personal belongings  Access to medications: Not described  Communications: On identification of a suspect	Integrated planning: Not described  Appropriate legislation: Not described  Financing mechanisms: Not described
				cases, the point of identification should notify the State Epidemiologist immediately through the quickest possible means  Operational continuity:	

				Not described	
Nigeria	No	Surge capacity: Not described  Service maintenance: Not described	Effective surveillance: Maintain a screening register  Control measures: Set up a triage station and use triage questions based on case definition to obtain history; passive screening through signs; if patient is symptomatic isolate in designated area; while in isolation provide education and notify the Local Government Area Disease Surveillance and Notification Officer (DSNO), State DSNO or State Epidemiologist	Minimizing risk of spread: Use of PPE including gloves, medical/surgical mask and gown; restricting staff access to isolation rooms; consider bundling activities to minimize room entry; ensure appropriate ventilation; Provide physical barriers or partitions to guide patients through triage areas; ensure appropriate environmental infection control  Access to medications: Not described  Communications: Toll-free number to notify a suspected case for further testing and investigation  Operational continuity: Not described	Integrated planning: Not described  Appropriate legislation: Not described  Financing mechanisms: Not described
Philippines	No	Surge capacity: Outlines that health care utilization is expected to rise; outlines systems-wide surge capacity plans through health care provider networks (HCPN) to optimize the COVID-19 model of care and strengthen the health system response - calls on local government units to organize HCPNs across public and private sector	Effective surveillance: Not described.  Control measures: Phone triage, HCPN to designate a primary care facility within their catchment as a designated site for triaging patients either to temporary facilities for those with mild symptoms or to COVID-19 referral hospitals for those	Minimizing risk of spread: All health facilities shall endeavour to provide telemedicine services for patients within their HCPN to promote physical distancing whenever possible  Access to medications: Not described	Integrated planning: Coordination between Department of Health Centers for Health Development and local government units to form province- or city-wide health systems to respond to a manage both non-COVID-19 and COVID-19 patients  Appropriate legislation: Not described

		Service maintenance: Not described; role of Rural Health Units (RHU), Urban Health Centers (UHC), and medical outpatient clinics as the main navigators/first contact in the HCPN and determine the appropriate facility for its patients	with severe symptoms or comorbidities	Communications: Phone triage via telemedicine if available  Operational continuity: Province- and city-wide HCPNs shall ensure dedicated Human Resources for Health (HRH) for triaging, contact tracing and facility-based management of patients based on the most updated DOH guidelines and protocols	Financing mechanisms: Not described
South Africa	No	Surge capacity: Not described  Service maintenance: Not described	Effective surveillance: Not described  Control measures: Including screening questionnaire as part of standard triage at healthcare facilities	Minimizing risk of spread: Suspected cases to be given a surgical mask and directed to a separate area or isolation room and 1-2m distance should be kept between other patients, limit the movement of the patient and ensure a dedicated bathroom  Access to medications: Not described  Communications: Routine emergency department triage systems may be used  Operational continuity: Not described	Integrated planning: Routine emergency department triage systems may be used for arranging transfer of patients for testing  Appropriate legislation: Not described  Financing mechanisms: Not described
Sri Lanka	Yes	Surge capacity: Not described  Service maintenance: Remote consultations for ongoing care, as well as for triage of suspected COVID-19 patients;	Not described  Control measures: Phone triage, notice on primary care facilities to make patients aware that	Minimizing risk of spread: Remote consultations for all with aim to triage COVID-19 suspected patients with minimum exposure to healthcare staff and other patients; in cases where in-	Integrated planning: Response to possible cases include informing the regional epidemiologist, medical officer or public health inspector and admit to nearest COVID acute care isolation hospital, follow up

		discusses mental and psychological well-being and offers a conversation guide for providers	consultations will occur over the phone; passive screening through notices outside clinic; response to possible cases include informing the regional epidemiologist, medical officer or public health inspector and call an ambulance to convey the patients nearest COVID acute care isolation hospital, follow up through the public health team and inform the hospital	person examination is needed, patients suspected of COVID-19 to wait in a separate waiting area; staff not to use public transport; guidance on proper attire and personal grooming for PPE use; guidance on the need for and use of PPE; guidance on hand hygiene; guidance on physical distancing within clinics and creation of separate waiting area; prioritizing patients with respiratory symptoms; removal of toys, magazines, pens and shared items in waiting rooms; guidance on facility disinfection; guidance on personal disinfection  Access to medications: Not described  Communications: Phone triage; communication with public health and referral hospitals  Operational continuity: Guidelines strongly recommend that primary care physicians continue their	through the public health team and inform the hospital  Appropriate legislation: If any patient refuses to admit / home isolation, seek police/legal support in accordance with the Quarantine Law  Financing mechanisms: Not described
				clinical practice if they can adhere to the guidelines	
United	Yes	Surge capacity: Local areas will	Effective surveillance: Not	Minimizing risk of spread:	Integrated planning: Referral
Kingdom		need to consider, with their	described - patient is triaged	Practices should work	using NHS 111 for symptomatic
		clinical commissioning group	by NHS 111	together to safely separate	patients; Reference to the
		(CCG), the operating model that		different patient cohorts:	Standard Operating Procedures
		best suits their local context and	Control measures: Patients		for community pharmacy and
		arrangements; A key enabler will	should be triaged remotely;		community services (when

		be ensuring that staff can access GP computer systems from locations other than their usual or base location  Service maintenance: Remote consultations; dedicated home visiting services for shielded patients; access to urgent care and essential routine care should be maintained for all patients; document discusses mental health and psychological well being, advanced care planning, palliative care; COVID-19 care is not described	patients with symptoms of COVID-19 directed to NHS 111; clear signage and communications to direct symptomatic patients	patients with symptoms of COVID-19; shielded patients; and the wider population; Staff should be allocated to either symptomatic patients or other patient groups; offer 2 models - zoning or practice designation to manage face to face appointments; PPE and clinical decontamination guidance  Access to medications: Advise practices to not increase repeat prescriptions to minimize supply chain pressure; urgent request for practices that do not accept orders for repeat prescriptions from third parties to review this policy to support social distancing  Communications: Remote consultations and video consultations; digital isolation notes for patients' employers; home visits; phone linkages  Operational continuity: Section on 'practice resilience' to maximise clinical capacity	published) may be helpful to ensure joined up working; Home visiting can be organised at network or place level to deliver care at home to shielded patients, and this will be needed in either model; provision of non-medical support through social prescribing link workers; link with Department for Work and Pensions to accept digital isolation notes; encouraged to engage with research programs  Appropriate legislation: Not described  Financing mechanisms: Not described
United	Yes	Surge capacity: Preparing for a	Effective surveillance:	Minimizing risk of spread:	Integrated planning: Engage
States		surge in patients with respiratory	Not described	Offers infection prevention and control guidance and	local community service organizations and home health

infection is included as a primary goal for healthcare facilities

# Service maintenance:

Telemedicine for routine essential services; Telemedicine, patient portals, online selfassessment tools, phone calls to triage patients with symptoms Control measures: Triage over the telephone and assess which patients with symptoms of COVID-19 can be managed by telephone and advised to stay home; Triage on site including visual alerts with information on COVID-19, hand and respiratory hygiene and cough etiquette

primary care facility preparation steps; face masks provided to patients at triage; physical distancing in waiting areas and separate areas for patients with respiratory symptoms with partitioning and signage; ask waiting patients to remain outside or stay in their vehicles; set up triage booths

# Access to medications:

Reach out to patients who may be at higher risk of COVID-19 to ensure they have sufficient medication refills

# **Communications:**

Communication with COVID-19 home care patients and their caregivers; If possible arrange daily "check ins" with COVID-19 patients managed at home using telephone calls, text, patient portals or other means

# **Operational continuity:**

Ensure maintenance of essential healthcare facility staff and operations through flexible sick leave policies, do not require employees to have a healthcare providers note before return to work, consider staff screening, make contingency plans for absenteeism including services to assist home care patients with delivery of food, medication and other goods; Work with local and state public health organizations, healthcare coalitions and other local partners to understand the impact and spread of the outbreak in your

Appropriate legislation:

Not described

Financing mechanisms:

Not described

		extending hours, cross-	
		training current employees or	
		hiring temporary employees	