"Addressing Health Threats

in the Central Asia Regional Economic Cooperation Countries and the Caucasus
- Health Security and Health Systems Strengthening"

(CARECC-AHT)

Compilation of COVID-19 Developments

- Deliverable 2 (contributing to Deliverable 4)

Version: September 2021

Knowledge Support Technical Assistance (KSTA 6535)

- funded through the Asian Development Bank (ADB)
- KSTA REG 54124-001

Implemented by consortium partners:

- GOPA Worldwide Consultants
- Mediconsult
- SSIL

Introduction

Background

This "Compilation of Covid-19 Developments" is being developed as part of the new initiative commencing in early 2021 - supported by the Asian Development Bank (ADB) - to address health threats in the Central Asia Regional Economic Cooperation Countries and the Caucasus (CAREC/C-AHT).

This is one of the first tools to be developed to enhance the Health Security and Health Systems Strengthening in this region, an takes account of the latest Global and Regional developments.

Design

The compilation is divided into 3 sections. The first two each comprising information that is continually being updated to show the latest developments and initiatives regarding COVID-19, as follows:

I. COVID-19 Innovations: Global & CAREC/C

Focus on innovations globally and in any of the CAREC & Caucasus countries in 6 main areas, mainly following the systematic approach of the <u>European Observatory COVID-19 Health Systems Response Monitor</u>. Innovations from the region are highlighted in <u>RED</u>.

- Preventing Transmission Innovations
- Physical Infrastructure/ Workforce Capacity Innovations
- Health Service Provision Innovations
- Leadership and Policy Innovations
- Paying for Services Innovations

II. COVID-19 Regional Cooperation Responses

Focus on responses to COVID-19 between the countries of the CAREC/C region, focusing on

- Preventing Transmission Responses
- Physical Infrastructure/ Workforce Capacity
- Health Service Provision Responses
- Leadership and Policy Responses
- Paying for Services Responses
- o Other Responses

III. Summary of innovation and responses in CAREC countries

Focus on innovations and responses, divided by country.

Rapid Access to the Compilation Sections

The Table of Contents can be used to identify each section of the document.

If using the document on a computer:

- On the Table of Contents, press Ctrl (on Apple: use Cmd) and left mouse-click to immediately access the relevant section.
- Alternatively, open the "View" tab of MS Word, tick the "Navigation Pane" option and this allows rapid access to all aspects of the document by opening a Navigation column to the left of the document:

Compilation Versions

This is a constantly updating document according to the latest developments.

o Be sure to check the relevant website (to be developed) to access the latest version.

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I. COVID-19 INNOVATIONS: GLOBAL AND CAREC/C

*section headings based on the European Observatory Covid-19 Health Systems Response Monitor QUESTION: What databases of information exist that describe innovations globally and in any of the CAREC & Caucasus countries?

A. General Repositories

		Ger	eral Informatio	on Repositories		GLOBAL or CAREC REGION	Latest Update
а	Title: Covid-	19 Health Systems	Response Moi	nitor		Global	Dec 2020
	Developer/F	Partners: World H	ealth Organizat	tem.org/mainpage	ce for Europe,		
	European Co	Develop	Private	ry of Health Systen Academia	ns and Policy 1		
	Govt	Partner	Sector	(Uni/Research)			
	Х	Х					
	response to how countric	the COVID-19 out es are responding ere innovation is	break to collect to the crisis. used: globally	onitor (HSRM) has t and organize up- ralth experts, polic	to-date information on		
b	Link/Source	virus Innovation I : https://coronavi Partners: StartupE	rus.startupblinl		, Moscow Agency of	Global	Needs to be checked
	Govt	Develop	Private	Academia			
		Partner	Sector	(Uni/Research)			
	top innovati	ve locations ere innovation is	used: worldwid	le	vid-19 with rankings of tors; number of users		
С	Title: OPSI C	OVID-19 Innovati	ve Response Tro	acker		Global	2021
	Developer/F	·	ı partnership w		nd The United Arab vation (MBRCGI)		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Х	Х					
		_			-		

		Ger	neral Informatio	on Repositories		GLOBAL or CAREC REGION	Latest Update
	by country, I		nt involvement	racker, which help and issues addres	os to identify responses ssed.		
	-			alth experts, laym	en		
d		Intervention Trac		19 (HIT-COVID) ervention-tracking	2	Global	Jan 2021; regularly updated
	_	Partners: Volunteon University Sch	-	-	erg School of Public		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	and standard of COVID-19 Country who	dized global datak related public he ere innovation is	pase that catalo alth and social used: globally				
е	Link/Source response-in-	: http://www.oec central-asia-5305	d.org/coronavii f172/#figure-d:	rus/policy-respons 1e82	sponse in Central Asia ses/covid-19-crisis-	Regional	Nov 2020
	Govt	Develop Partner X	Private Sector	Academia (Uni/Research)	and Policies		
	looks ahead makers in th	Policy Note whic	y challenges like m-term. used: Central A	ely to be faced by	J ents in the region and the region's policy		
f	Title: Covid-	19 Health Systems	s Response Mor	nitor for each Eura	isian country	Regional	Winter 2020
				rg/mainpage.aspx on Health Systems			
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)	and Policies		
	information Country who		rastructure, tes used: Eurasian				

		Ger	eral Informati	on Repositories		GLOBAL or CAREC REGION	Latest Update
h		Coronavirus Disea				Global	Autumn 2020
	Developer/F	Partners: WHO					
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	country Country whe	ere innovation is	used: Globally	daily confirmed ca	ases, and deaths by		
	Link/Source Developer/F	Partners: Astana (anacivilservice	hub.org/page/covib; UNDP (inspired jointly with UNDP	by the Agency of Civil		Autumn 2020
	Govt	Partner	Sector	(Uni/Research)			
	innovations Country who	X Virtual platform tand best fit solution is this for? Numb	ons to respond used: CIS regio	l to COVID-19. n	practices in applying		
	Title: Covid-	19 Innovations Hu	b			Global	
	Developer/F	Partners: powered ralian Aid, Korea I	d by GLOBAL IN	d19innovationhub INOVATION EXCHA poperation Agency	NGE, joint initiative of		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
		Х	X	(=, restairer)			
	ready to dep inspire new,	loy, plus innovati much-needed so	ons that could lutions. A smal	be adapted for CO ler list is identified	udes those that are VID-19 responses, or as COVID-19 I more easily find and		

	Ger	neral Informatio	on Repositories		GLOBAL or CAREC REGION	Latest Update
The hub is al		ng new innovat used: Globally		picked innovations. esponse to COVID-19.		
Title: Health	Intervention Trac	king for COVID-	19 (HIT-COVID)		Global	May 2021
Link/Source	: https://akuko.io	/post/covid-int	ervention-tracking			
-	Partners: Johns H chool of Public He	-	erg School of Publi	c Health and Boston		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
			Х			
COVID-19 re longitudinal 19 risk at the as border clodetails such tracker team over 3,500 so living databate verified and Country who civil society,	lated public healt data on 21 key po e national and sul osures, quarantin as the degree of has logged over ubnational geogra se to the changinaudited.	th and social me ublic health poli onational levels e & isolation, ar policy implemen 12,000 individu aphic areas, and ag COVID-19 lan used: Globally:	easures (PHSM). The cy categories aimon (e.g. provinces and school closures at a public health por discape. Our data	on and relaxation of the tracker collects and at reducing COVID-d states) globally, such Our data includes and populations. The policy interventions in the policy interventions in the saintain and adapt this is regularly internally are mia, global NGOs and		
Link/Source	thttps://www.co	vidx.org/oi-inde	ex/		Global	
Govt	Develop	Private	Academia			
	Partner	Sector X	(Uni/Research)			
The luminary hackathons t COVID-19 an more than 2 Country who	y Labs began trac to open data proj id the virus that o 00 initiatives sou ere innovation is	king open innov ects and open-s auses it. A few rced from our e used: globally	vation initiatives — source hardware – months later, the xtended network.	ronavirus pandemic from challenges and - that seek to address ndex has grown to		
Title: COVID	-19 Rapid Innova	tion Dashboard			Global	ongoing
Link/Source	: https://innovati	on.mit.edu/c19	rapidinnodash/			
Developer/F	Partners: MIT Inn	ovation Initiativ	e			

	Ger	neral Information	on Repositories		GLOBAL or CAREC REGION	Late Upda
Massachuse	etts Institute of Te	chnology				
	Develop	Private	Academia			
Govt	Partner	Sector	(Uni/Research)			
			Х			
ways to con Country wh	nbat feelings of iso	lation to open- used: globally	ctivated to fight the source ventilators alth experts and la			
_	• •	lic health and s	ocial measures ap _l	olied during the COVID-	Global	2021
19 pandemic						
	::_Navigate to <u>http</u> -2019/phsm/ and		nt/emergencies/d	iseases/novel-		
			at to your local co	mnuter		
_	Partners: WHO	C 111 33014 101111	at to your local co	pacer.		
	Develop	Private	Academia			
Govt	Partner	Sector	(Uni/Research)			
	X		Х			
thought wo The PHSM t of their data Disease Cor Public healt institutions, to slow or s Since the sta	uld be used, or we rackers currently in a set at National and trol and Preventic hand social measures, locatop the spread of a sart of the COVID-1	re already in pl ncluded are: A0 d state level); l on. Other tracke ures (PHSMs) a al and national an infectious di 9 pandemic, a	ace. CAPS; Johns Hopking Jniversity of Oxforers will be included for measures or act governments, and sease, such as CON and member of organizes.	ions by individuals, international bodies /ID-19. ations have begun		
methods, da	atabase designs ar	nd classification	_	ferent data collection		
	nere innovation is		alth overset-			
	is this for? Numb		·	.dv2)		
	-	-	expected to be rea	iay <i>r)</i>	Global	2021
Tiue. The A	ccess to COVID-19	IOOIS (ACT) ACC	LETETULUI		GIONAI	2021
Developer/		AVI, CEPI, Bill a	ACT) Accelerator (nd Melinda Gates	who.int) Foundation, UNICEF,		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Х					
global collab	ooration of Develo	pment Partner	•	s a groundbreaking velopment, production, les.		
the World H	lealth Organization	n, the President	nt co-hosted by the t of France, the Pre a Gates Foundatio			

	Ger	eral Informatio	on Repositories		GLOBAL or CAREC REGION	Latest Update
	ools (ACT) Accelera		_			
Melinda Ga the WHO, a	tes Foundation, CE nd the World Bank	PI, FIND, Gavi, (a). Following the	The Global Fund, Le ACT-Accelerator	organizations (the <u>Bill & Jnitaid</u> , <u>Wellcome</u> , the vaccines pillar.		
These organ supporting vaccines the societal and	nizations have join the development a e world needs to re	ed forces to spe and equitable di educe mortality globally in the	eed up an end to the to	ne pandemic by ests, treatments and		
Country wh	nere innovation is	used: globally				
1	is this for? Intern		ations and Govern	iments		
Evidence of						
the dia fac an	e development and agnostic tests (Ag R cilities, guaranteed	Emergency Us DTs) that can b access to 120 r on tests (32.3 r	e Listing of reliable e conducted outsi million affordable i			
30 firs ide Fo mo	O actionable trials, st life-saving theral entification, made	supported the by against COVI 2.9m doses of d Oxygen Emerg	identification of do D-19 and in less th lexamethasone av ency Taskforce to	meet the needs of		
UN ma ind	ade to Ghana 3 mo	r 2 billion doses nths after the fi more than 40 n	s, with the first into	artnership with ernational delivery Iministered in a high- ed to 119 economies		
Glo Fac rea	calth Systems Conrobal Fund – in part cility: US\$ 50 million adiness assessed for 0 countries.	t nership with U on of PPE has be	INICEF and the Glo een procured for L	bal Financing		
Title: Data4	1COVID10				Global	ongoing
	e: Data4COVID19				Jiobai	ongoing
	Partners: GOVLAB					
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	X		(0111/1100001011)			
infrastructu (Europe and	: This Living Repos re for data-driven d central Asia is on	pandemic respo e of them), topi	onse; projects can	build a responsible be filtered by regions bhase.		
1	nere innovation is	-	101			
Users: Who	is this for? Numb	er of users? He	alth experts			
_	rned? (if in develo		_			

		Ger	eral Informatio	on Repositories		GLOBAL or CAREC REGION	Latest Update
	Title: COVID	-19 government r	esponse trackei	r		Global	Ongoing
	Link/Source	: https://www.bs	g.ox.ac.uk/rese	earch/research-pr	ojects/covid-19-		
	government	t-response-tracke	<u>r</u>				
	Developer/I	Partners: Blavatni	k School of Gov	ernment, Universi	ty of Oxford		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	systematic in COVID-19. T than 180 con restrictions (Country who Users: Who Lessons lear more than outper the-world-1.	nformation on pol he policy response untries. They are or vaccination pol ere innovation is is this for? Numb med? (if in develo one year of trackin onversation.com/	icy measures thes are tracked so coded into 23 in icy. used: Globally. er of users? He pment, when of g policy respon	nat governments he since 1 January 202 ndicators, such as alth experts, police expected to be reases have been sun	dy?) Lessons from		
	Title: QCovid	d® risk calculator				Global	June 2021
	Link/Source	: https://bmjsept2	2021.qcovid.org	<u>s/</u>			
	Developer/I	Partners: Universi	ty of Oxford				
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	nuanced info patients and individual ci	ormation about ris I doctors reach a s	sk of serious illr hared understa	provide doctors an ness due to COVID anding of risk, with	-		
	Country wh	ere innovation is	used: GB				
	_	is this for? Numb		ealth experts and a	cademia in GB; might		
**1	Lessons lear (BMJ), show COVID-19 (d	rned: Research co ed that the mode eath and hospital	performed we isation).		ish Medical Journal ere outcomes due to		

^{*}based on the European Observatory Covid-19 Health Systems Response Monitor

1. Preventing Transmission Innovations.

- Testing & Laboratory Capacity
- Monitoring & (Community) Surveillance
- Risk Stratification
- Health Communication
- Isolation & Quarantine
- Research Collaboration
- Vaccine Related Activities

Title: Investments in Laboratory/TESTING Link/Source: https://www.cdc.gov/globalhealth/healthprotection/fieldupdates/fall-2020/lab-commitments-covid.html Developer/Partners: Centers for Disease Control and Prevention (CDC) Govt Develop Private Academia (Uni/Research) x Description: Training and Innovations in diagnostic testing, infrastructure development and other areas, LMICs are enabled to meet the challenges of Covid-19 Country where innovation is used: globally Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?) Evidence of success? Title: Innovations in Testing/TESTING Link/Source: https://systemone.id/landing-pages/conronavirus-landingpage Developer/Partners: SystemOne (Company) Govt Develop Private Academia (Uni/Research) Description: Tool for optimizing the communication of healthcare data in low-resource settings. Every diagnostic device testing for coronavirus in a country can be connected via cellular data network using smart 2G/3G routers, for rapid and secure data transmission. Country where innovation is used: globally Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?) Evidence of success?		1.	Preventing Tra	ansmission Innova	tions	Global or CAREC REGION	Latest Update
Developer/Partners: Centers for Disease Control and Prevention (CDC) Govt	Title: Investr	nents in Laborator	y/TESTING			Global	Autumn 2020
Developer/Partners: Centers for Disease Control and Prevention (CDC) Govt Develop Private Academia (Uni/Research)	Link/Source	e: https://www.cd	c.gov/globalhe	alth/healthprotect	ion/fieldundates/fall-		
Govt Partner Sector (Uni/Research) x Description: Training and Innovations in diagnostic testing, infrastructure development and other areas, LMICs are enabled to meet the challenges of Covid-19 Country where innovation is used: globally Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?) Evidence of success? Title: Innovations in Testing/TESTING Global Link/Source: https://systemone.id/landing-pages/conronavirus-landingpage Developer/Partners: SystemOne (Company) Govt Develop Private Academia Partner Sector (Uni/Research) Description: Tool for optimizing the communication of healthcare data in low-resource settings. Every diagnostic device testing for coronavirus in a country can be connected via cellular data network using smart 2G/3G routers, for rapid and secure data transmission. Country where innovation is used: globally Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?)				<u>,ca.ep. 0.000</u>	,		
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Developer/Partners: SystemOne (Company) Govt Develop Private Sector (Uni/Research) Description: Tool for optimizing the communication of healthcare data in low-resource settings. Every diagnostic device testing for coronavirus in a country can be connected via cellular data network using smart 2G/3G routers, for rapid and secure data transmission. Country where innovation is used: globally Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?)	/ .		//	,	1 10		
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transmission. Country where innovation is used: globally Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?)	Description	Partner : Tool for optimizi	Sector	(Uni/Research)			
Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?)	Description settings. Ev	Partner : Tool for optimizi ery diagnostic dev	Sector ing the communice testing for communications.	(Uni/Research) nication of healthcoronavirus in a co	untry can be connected		
Users: Who is this for? Number of users? Lessons learned? (if in development, when expected to be ready?)	Description settings. Ev via cellular	Partner : Tool for optimizi ery diagnostic dev data network usin	Sector ing the communice testing for communications.	(Uni/Research) nication of healthcoronavirus in a co	untry can be connected		
Lessons learned? (if in development, when expected to be ready?)	Description settings. Ev via cellular transmissio	Partner : Tool for optimizi ery diagnostic dev data network usin n.	Sector ing the communice testing for cog smart 2G/3G	(Uni/Research) nication of healthcoronavirus in a co	untry can be connected		
	Description settings. Ev via cellular transmissio Country wh	Partner a: Tool for optimizi ery diagnostic dev data network usin n. here innovation is	Sector Ing the communice testing for cog smart 2G/3G used: globally	(Uni/Research) nication of healthcoronavirus in a co	untry can be connected		
Evidence of success?	Description settings. Ev via cellular transmissio Country wh Users: Who	Partner Tool for optimizing ery diagnostic deviced data network using the innovation is this for? Number 1 is this for? Number 1 is this for?	Sector ing the communice testing for cog smart 2G/3G used: globally per of users?	(Uni/Research) nication of healthcoronavirus in a corouters, for rapid a	untry can be connected and secure data		
	Description settings. Ev via cellular transmissio Country wh Users: Who Lessons lea	Partner Tool for optimizing ery diagnostic device data network using the innovation is this for? Numberned? (if in development)	Sector ing the communice testing for cog smart 2G/3G used: globally per of users?	(Uni/Research) nication of healthcoronavirus in a corouters, for rapid a	untry can be connected and secure data		
	Description settings. Ev via cellular transmissio Country wh Users: Who Lessons lea	Partner Tool for optimizing ery diagnostic device data network using the innovation is this for? Numberned? (if in development)	Sector ing the communice testing for cog smart 2G/3G used: globally per of users?	(Uni/Research) nication of healthcoronavirus in a corouters, for rapid a	untry can be connected and secure data		

	1.	Preventing Tra	nsmission Innova	tions	Global or CAREC REGION	Latest Update
Title: COVID	0-19 TEST DIRECTO	ORY & PIPELINE	TESTING		Global	2021
	: Test directory - I					
Developer/ Idelivery par		ND operates as	a global health pr	oduct development and		
delivery par	Develop	Private	Academia	1		
Govt	Partner	Sector	(Uni/Research)			
	Х		,			
immunoassa performanc from indepe be built furt well as data the <u>ACT-Acc</u> Country wh Users: Who patients enr	ays and molecular e data (sensitivity endent evaluations ther, other tests we from independent elerator Diagnost ere innovation is is this for? Numb colled in studies 50 rned? (if in developments of the data of	tests for COVID and specificity) s conducted by ill be added (what evaluations by ics Pillar. used: user of users? 6,00m+	o-19 of which FINE are included, who FIND, where applinich for the mome of other entities. The model of the morke	mmercially available D is aware. Manufacturer ere known, alongside data cable. The database will ent are still listed here), as his project is part of rs trained, 32,500+ ady?)		
		- Ith D	NIII ID\	Observatory /TESTING		
	cOVID-19 Updat					
	e: COVID-19 Updat Partners: Nationa Develop Partner					
Developer/ Govt	Partners: <u>Nationa</u> Develop Partner	Private Sector	ealth Research (N Academia (Uni/Research) x			
Developer/ Govt Description diagnostic to regularly an national res Follow this I Follow this I Country wh Users: Who Lessons lead	Develop Partner : This resource proests in clinical dev	Private Sector ovides dashboarelopment for Cod via horizon-so tackle COVID- ics: here gence: here gence: here used: UK er of users: The	Academia (Uni/Research) x rds of the therape OVID-19. The inforcanning of multiple-19. public (patients) a	utic interventions and rmation is updated e sources to support the		
Developer/ Govt Description diagnostic to regularly an national res Follow this I Follow this I Country wh Users: Who Lessons lead	Partners: National Develop Partner : This resource procests in clinical develop develop developers and effort to the control of the control	Private Sector ovides dashboarelopment for Cod via horizon-so tackle COVID- ics: here gence: here gence: here used: UK er of users: The	Academia (Uni/Research) x rds of the therape OVID-19. The inforcanning of multiple-19. public (patients) a	utic interventions and rmation is updated e sources to support the		
Govt Description diagnostic to regularly an national res Follow this I Follow this I Country wh Users: Who Lessons lead	Partners: National Develop Partner : This resource procests in clinical develop develop developers and effort to the control of the control	Private Sector ovides dashboarelopment for Cod via horizon-sociotackle COVID- cics: here gence: here used: UK er of users: The opment, when exitable	Academia (Uni/Research) x rds of the therape OVID-19. The inforcanning of multiple-19. public (patients) a expected to be rea	utic interventions and rmation is updated e sources to support the and industries.	Global	
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Govt Description diagnostic to regularly an national res Follow this I Follow this I Country wh Users: Who Lessons lead Evidence of Title: Contact	Partners: National Develop Partner : This resource procests in clinical develop develop developers and effort the link for Therapeutink for Diagnostical link for Soft Intelliguere innovation is is this for, number red? (if in development of the link for Soft Intelliguere innovation is exaccess? Not available to the link for Soft Intelliguere innovation is contact the link for Soft Intelliguere innovation is exaccess? Not available to the link for Soft Intelliguere innovation is contact the link for Soft Intelliguere innovation is exaccess? Not available to the link for Soft Intelliguere innovation is contact the link for Soft Intelliguere innovation is contact the link for Soft Intelliguere innovation is contact Intelliguere in soft	Private Sector Ovides dashboar elopment for Co ed via horizon-so to tackle COVID- ics: here gence: here used: UK er of users: The opment, when exitable Document Repository/I	Academia (Uni/Research) x rds of the therape OVID-19. The inforcanning of multiple-19. public (patients) a expected to be rea	utic interventions and rmation is updated e sources to support the and industries.	Global	
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Govt Description diagnostic tregularly an national res Follow this I Follow this I Country wh Users: Who Lessons lead Evidence of Title: Contact Developer/ Govt	Partners: National Develop Partner : This resource procests in clinical develop d has been collate ponse and effort to ink for Therapeuti ink for Diagnostics ink for Soft Intelliguere innovation is is this for, number rned? (if in develor success? Not ava ct Tracing Docume : Contact Tracing Partners: GOARN. Develop Partner X	Private Sector Ovides dashboar elopment for Co ed via horizon-so to tackle COVID- ics: here gence: here used: UK er of users: The opment, when e ilable Private Sector	Academia (Uni/Research) x rds of the therape OVID-19. The inforcanning of multiple-19. public (patients) a expected to be rea MONITORING ANI Distory GOARN (1) Academia (Uni/Research)	utic interventions and rmation is updated e sources to support the and industries.	Global	

	1.	Preventing Tra	ansmission Innova	tions	Global or CAREC REGION	Lates Updat
	rs, to responders,	•		variety of audiences from affected communities and		
	ere innovation is	used: All count	ries.			
=			overnment and ins	titutions		
			expected to be rea			
Evidence of		,	onposted to so re-	,.		
		selected count	ries/MONITORING	G AND SURVEILLANCE	Global	
Link/Source	: https://outbrea	k.info/epidemi	<u>ology</u>			
Scripps Rese Diseases (5 l	arch and is suppo J19 AI135995-02) for Disease Contr	rted by the Na , National Cent ol and Prevent	tional Institute for er for Data to Hea ion (75D30120C09	u, and Andersen labs at Allergy and Infectious Ith (5 U24 TR00230), 1795).		
Govt	Develop Partner	Private	Academia			
Х	Partner	Sector X	(Uni/Research)	_		
Users: Who	is this for? How n	nany users? He		and Analysis	Clahal	2020
Users: Who Title: SORMA System/MO	is this for? How n AS - Surveillance C NITORING AND SI	nany users? He Dutbreak Respo	onse Management	·	Global	2020
Users: Who Title: SORMA System/MOI Link/Source	is this for? How n AS - Surveillance C NITORING AND SI : https://sormaso	nany users? He Outbreak Respo URVEILLANCE	onse Management zi.de/About SORN	·	Global	2020
Users: Who Title: SORMA System/MOI Link/Source	is this for? How n AS - Surveillance C NITORING AND SI	Dutbreak Respo Dutbreak Respo DRVEILLANCE rg.helmholtz-hitz Center for In Private	zi.de/About SORN nfection Research Academia	·	Global	2020
Users: Who Title: SORM, System/MOI Link/Source Developer/F	is this for? How n AS - Surveillance C NITORING AND SI : https://sormaso Partners: Helmhol Develop	Dutbreak Respo Dutbreak Respo JRVEILLANCE rg.helmholtz-h	onse Management zi.de/About SORN nfection Research	·	Global	2020
Title: SORMA System/MOI Link/Source Developer/F Govt X Description: outbreak ma	AS - Surveillance Controlled AND States://sormasoPartners: Helmhol Develop Partner Open-source moanagement procedurough real-time of	Dutbreak Respo URVEILLANCE rg.helmholtz-hitz Center for In Private Sector bile eHealth Sydures in addition	zi.de/About SORN nfection Research Academia (Uni/Research) X stem that procession to surveillance a	·	Global	2020
Title: SORMA System/MOI Link/Source Developer/F Govt X Description: outbreak ma outbreaks the	AS - Surveillance Controlled AND States://sormasoPartners: Helmhol Develop Partner Open-source moanagement procedurough real-time of	Dutbreak Respo JRVEILLANCE rg.helmholtz-hitz Center for In Private Sector bile eHealth Sydures in addition	zi.de/About SORN nfection Research Academia (Uni/Research) X stem that procession to surveillance a	MAS.html es disease control and and early detection of	Global	2020
Title: SORMA System/MOI Link/Source Developer/F Govt X Description: outbreak ma outbreaks the and laborate Country who	AS - Surveillance CONITORING AND SUE https://sormasoPartners: HelmholDevelopPartner Open-source monagement procedurough real-time dories.	Dutbreak Respo URVEILLANCE rg.helmholtz-h. tz Center for In Private Sector bile eHealth Sydures in addition ligital surveillar used: globally	zi.de/About SORN fection Research Academia (Uni/Research) X stem that process on to surveillance a	MAS.html es disease control and and early detection of	Global	2020
Title: SORMA System/MOI Link/Source Developer/F Govt X Description: outbreak ma outbreaks th and laborate Country who	AS - Surveillance CONITORING AND SUE https://sormasoPartners: Helmhol Develop Partner Open-source monagement procedurough real-time dories. Bere innovation is this for? Numb	Dutbreak Respo JRVEILLANCE rg.helmholtz-hitz Center for In Private Sector bile eHealth Sydures in addition ligital surveillar used: globally er of users? He	zi.de/About SORN fection Research Academia (Uni/Research) X stem that process on to surveillance a	MAS.html es disease control and and early detection of wheral health care facilities	Global	2020
Title: SORMA System/MOI Link/Source Developer/F Govt X Description: outbreak ma outbreaks th and laborate Country who Users: Who Lessons lear	AS - Surveillance CONITORING AND SUE https://sormasoPartners: Helmhol Develop Partner Open-source monagement procedurough real-time dories. Bere innovation is this for? Numb	Dutbreak Response Private Sector bile eHealth Sydures in addition ligital surveillar used: globally er of users? Heapment, when the private of users in addition ligital surveillar used: globally er of users? Heapment, when the private of users in addition ligital surveillar used: globally er of users? Heapment, when the private of users in addition ligital surveillar used: globally er of users? Heapment, when the private ligital surveillar users in addition ligital surveillar used: globally er of users? Heapment, when the private ligital surveillar users in addition ligital surveillar users in a	zi.de/About SORN infection Research Academia (Uni/Research) X stem that processor to surveillance ance including peripheralth experts expected to be read	MAS.html es disease control and and early detection of wheral health care facilities	Global	2020
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	1.	Preventing Tr	ransmission Innova	tions	Global or CAREC REGION	Latest Update
•		•	rofile, gives local ar	nd national COVID-19		
•	d allows e-pass in	_				
•	ere innovation is					
			eneral population			
Lessons lear	ned? (if in develo	opment, when	expected to be rea	ady?)		
Title: COVID	-19 situation upd	ates worldwide	e/MONITORING AI	ND SURVEILLANCE	GLOBAL	regularly
Link/Source	: https://www.e	ecdc.europa.eu	ı/en/covid-19			
Developer/I	-			and Control (ECDC)		
Govt	Develop	Private	Academia (Uni/Research)			
Х	Partner	Sector	(Om/Research)	-		
worldwide – statistics.	including the nu	mber of cases	19 situation in each and deaths reporte	country, in Europe and d and vaccination		
-	ere innovation is is this for? Numb		ealth experts, laym	en		
Title: Inform Republic of <i>i</i>	ation of the Oper Azerbaijan/MONI : https://nk.gov.	TORING AND	SURVEILLANCE	Cabinet of Ministers of the	REGIONAL	May 2021
Title: Inform Republic of / Link/Source	Azerbaijan /MONI : https://nk.gov.a Partners: Operation	az/az/article/1	SURVEILLANCE L514/ ters under the Cab	Cabinet of Ministers of the inet of Ministers of the	REGIONAL	May 2022
Title: Inform Republic of / Link/Source Developer/I	Azerbaijan/MONI : https://nk.gov.	TORING AND S	SURVEILLANCE		REGIONAL	May 2022
Title: Inform Republic of / Link/Source Developer/I Republic of /	Azerbaijan/MONI : https://nk.gov.a Partners: Operation Azerbaijan Develop	az/az/article/1 onal Headquar	L514/ ters under the Cab		REGIONAL	May 202:
Title: Inform Republic of / Link/Source Developer/F Republic of / Govt x Description: recovered at daily update daily numbe	Azerbaijan/MONI : https://nk.gov.a Partners: Operation Azerbaijan Develop Partner Daily statistical ind deaths. Also, so so on the number	az/az/article/1 onal Headquar Private Sector Information on ince the vaccin of vaccinated private pr	Academia (Uni/Research) the number of new nation of the popular people in general n	inet of Ministers of the	REGIONAL	May 202:
Title: Inform Republic of / Link/Source Developer/I Republic of / Govt x Description: recovered at daily update daily numbe Country who	Azerbaijan/MONI : https://nk.gov.a Partners: Operation Azerbaijan Develop Partner Daily statistical indideaths. Also, sis on the number risere innovation is	az/az/article/1 onal Headquar Private Sector Information on ince the vaccin of vaccinated pused: Azerbaij	Academia (Uni/Research) the number of new nation of the popular people in general n	inet of Ministers of the V COVID 19 cases, ation began in the country, umber of vaccinated and	REGIONAL	May 202:
Title: Inform Republic of / Link/Source Developer/I Republic of / Govt x Description: recovered at daily update daily numbe Country who	Azerbaijan/MONI : https://nk.gov.a Partners: Operation Azerbaijan Develop Partner Daily statistical indideaths. Also, so so on the number reserved in the number reserved in the for? Number is this for? Number is this for? Number is the	onal Headquar Private Sector nformation on ince the vaccin of vaccinated pused: Azerbaij per of users? G	Academia (Uni/Research) the number of new nation of the population general number and n	inet of Ministers of the V COVID 19 cases, etion began in the country, umber of vaccinated and	REGIONAL	
Title: Inform Republic of / Link/Source Developer/I Republic of / Govt x Description: recovered at daily update daily numbe Country who Users: Who	Azerbaijan/MONI : https://nk.gov. Partners: Operation Azerbaijan Develop Partner Daily statistical integrated deaths. Also, so the number reserved in the number reserved in the for? Number confirmed case/	onal Headquar Private Sector nformation on ince the vaccin of vaccinated pused: Azerbaij per of users? G	Academia (Uni/Research) the number of new lation of the population an eneral population,	inet of Ministers of the V COVID 19 cases, etion began in the country, umber of vaccinated and health experts		
Title: Inform Republic of / Link/Source Developer/I Republic of / Govt x Description: recovered at daily update daily numbe Country who Users: Who itle: Tracing Link/Source	Azerbaijan/MONI : https://nk.gov. Partners: Operation Azerbaijan Develop Partner Daily statistical integrated deaths. Also, so the number reserved in the number reserved in the for? Number confirmed case/	Private Sector nformation on ince the vaccin of vaccinated pure of users? G MONITORING	Academia (Uni/Research) the number of new lation of the population an eneral population,	inet of Ministers of the V COVID 19 cases, etion began in the country, umber of vaccinated and health experts		
Title: Inform Republic of / Link/Source Developer/I Republic of / Govt x Description: recovered and daily update daily numbe Country who Users: Who Title: Tracing Link/Source Developer/I	Azerbaijan/MONI : https://nk.gov.a Partners: Operation Azerbaijan Develop Partner Daily statistical integrated deaths. Also, so the number received in the number received in the state of the state	Private Sector nformation on ince the vaccin of vaccinated pure of users? G MONITORING	Academia (Uni/Research) the number of new lation of the population an eneral population,	inet of Ministers of the V COVID 19 cases, etion began in the country, umber of vaccinated and health experts		May 2021
Title: Inform Republic of / Link/Source Developer/I Republic of / Govt x Description: recovered at daily update daily numbe Country who Users: Who itle: Tracing Link/Source	Azerbaijan/MONI : https://nk.gov. Partners: Operation Azerbaijan Develop Partner Daily statistical interpolation of the number research innovation is is this for? Number confirmed case/ : http://bmfw.ww	az/az/article/1 onal Headquar Private Sector Information on ince the vaccin of vaccinated pused: Azerbaij per of users? G MONITORING vw.gov.cn/ggit t Inc.	Academia (Uni/Research) the number of neveration of the population of the population, and eneral population, AND SURVEILLANG	inet of Ministers of the V COVID 19 cases, etion began in the country, umber of vaccinated and health experts		

	1.	Preventing Tr	ansmission Innova	tions	Global or CAREC REGION	Latest Update
Country who	ere innovation is	used: PRC				
Users: Who	is this for? Numb	er of users?				
_	Travel Record: W	-	gram to see trips d	uring past 14	REGIONAL	June 2021
Link/Source	: https://xc.caict.	ac.cn				
Developer/F	Partners: CAICT					
Govt	Develop	Private	Academia			
JUVI	Partner	Sector	(Uni/Research)			
	Х					
Users: Who		er of users: pa	itients enrolled in s	tudies		
Title: COVID	Research Reposito	ory/RESEARCH	I COLLABORATION		REGIONAL	June 2022
	Partners: Aga Kha	n University	esearch/Pages/covi	<u>d-research.aspx</u>		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	raithei	Jector	X			
answering ci in Pakistan. T COVID-19 th	ritical questions and the repository income at are being current ere innovation is this for? General	nd creating ne ludes a summ ntly undertake used: Globally	w knowledge abou ary of different reso en by the faculty.	at the forefront of t the COVID-19 outbreak earch projects related to		
Title: Pakista	an in phase III trial	s of Chinese v	accine/ RESEARCH (COLLABORATION	REGIONAL	Jan 19, 20
Link/Source	: http://www.xinh	uanet.com/er	nglish/2021-01/19/	c 139680671.htm		
Developer/F	Partners: Public Pi	rivate Partners	hip			
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
X		Χ				
	the first time eve		Phase III Clinical Tri ivate Partnership. 7	Γhe trial is being		

	1.	Preventing Tr	ansmission Innovations		Global or CAREC REGION	Latest Update
			y effective. The vaccine has l tries on the basis of these pr	_		
Country who	ere innovation is	used? Pakistar	, Mexico, Chile, Russia, Argei	ntina		
Users: Who	is this for? R&D					
Number of u	users? 40,000 Vol	unteers				
pharmaceut	ical community w	ho are interest	facilitate and encourage the ed now to consider Pakistan eeds to be strengthened.			
Technology			s initiated the transfer of Va ferential access and pricing f			
to be produc	ced with China's h	elp/ VACCINE I	/ID-19 vaccine Single-dose Ca		REGIONAL	Apr 14, 2021
covid-19-vac	cine/2208705		n-pacific/pakistan-to-locally-p	oroduce-chinas-		
Govt Govt	Partners: NIH, Car Develop	Private	Academia			
Х	Partner	Sector X	(Uni/Research)			
D : ::	CanSinoBIO COV					
has been lau Islamabad, C Health.	nched in Pakistar	as a Public Pri IM Pharma. Th	production through shared m vate Partnership between th e production site is the Natic	e NIH,		
has been lau Islamabad, C Health. Country who	nched in Pakistar CanSinoBIO and A.	as a Public Pri IM Pharma. Th used? Pakistar	vate Partnership between th e production site is the Natio	e NIH,		
has been lau Islamabad, C Health. Country who Users: Who	nched in Pakistar CanSinoBIO and A. Pere innovation is	as a Public Pri IM Pharma. Th used? Pakistar al Public	vate Partnership between th e production site is the Natio	e NIH,		
has been lau Islamabad, C Health. Country who Users: Who Number of u	nched in Pakistar CanSinoBIO and A. ere innovation is is this for? Gener users? 1.2 million	as a Public Pri IM Pharma. Th used? Pakistar al Public doses	vate Partnership between th e production site is the Natio	e NIH, nal Institute of		

	1.	Preventing Tr	ansmission Innova	itions	Global or CAREC REGION	Latest Update
	nal Guideline for S VID-19/ VACCINE R			lowing Immunization	REGIONAL	April 23, 2021
Link: availal	ble					
-	Partners: governmand coordination		n, Ministry of Natio	onal Health Services,		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
events follo licensed Im	wing immunizatio	n and is impler s. This is the fir	menting it across the rst time that an adv	J of surveillance of adverse ne country in all the vanced pharmacovigilance		
Country wh	ere innovation is	used? Pakistar	1			
Users: Who	is this for? Vaccir	nation Centers				
Number of	users? More than	5 million so fa	r.			
	rned? Pharmacovi	gilance is a neg	glected sector in th	e regulatory system and		
Evidonso of	Faucence 2 Drococc	is avalying and	l in progress			
	success? Process			LTH COMMUNICATION	Global	Weekly
Title: WHO	Information Netw	ork for Epidem	nics (EPI-WIN)/HEA		Global	Weekly updates
Title: WHO	Information Netw	ork for Epidem	nics (EPI-WIN)/HEA		Global	-
Title: WHO	Information Netw	ork for Epidem	nics (EPI-WIN)/HEA		Global	-
Title: WHO Link/Source Developer/ Govt Description	Information Netw : https://www.wh Partners: World H	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform	isk-communication ation (WHO Academia (Uni/Research) that provides reso	urces and updates on the	Global	-
Title: WHO Link/Source Developer/ Govt Description outbreak, ta	Information Network Example: https://www.wh Partners: World H Develop Partner X A risk communication of the proper to the p	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform as: employers a	isk-communication ation (WHO Academia (Uni/Research) that provides reso	urces and updates on the ealth sector; the	Global	-
Title: WHO Link/Source Developer/ Govt Description outbreak, ta travel and t	Information Network Example: https://www.wh Partners: World H Develop Partner X A risk communication of the proper to the p	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform os: employers a ividuals, comm	isk-communication ation (WHO Academia (Uni/Research) that provides resound workers; the hemonities, and cities;	urces and updates on the	Global	-
Title: WHO Link/Source Developer/ Govt Description outbreak, ta travel and t Country wh	Information Network E: https://www.wh Partners: World H Develop Partner X A risk communic ergeting five group ourism sector; ind	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform as: employers a ividuals, comm used? worldwi	isk-communication ation (WHO Academia (Uni/Research) that provides resound workers; the hemonities, and cities;	urces and updates on the ealth sector; the and local governments.	Global	-
Title: WHO Link/Source Developer/ Govt Description outbreak, ta travel and t Country wh Users: Who Lessons lea	Information Network Partners: World H Develop Partner x A risk communicate argeting five group ourism sector; induction is this for? Numberned? (if in development)	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform os: employers a ividuals, comm used? worldwi ner of users? Fo	isk-communication ation (WHO Academia (Uni/Research) that provides resound workers; the head workers w	urces and updates on the ealth sector; the and local governments.	Global	-
Country who Lessons lead	Information Network Partners: World H Develop Partner x A risk communicate argeting five group ourism sector; induction is this for? Numberned? (if in development)	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform os: employers a ividuals, comm used? worldwi er of users? Fo	isk-communication ation (WHO Academia (Uni/Research) that provides reso and workers; the he nunities, and cities; ide or everybody. Unkrexpected to be reso	urces and updates on the ealth sector; the and local governments.	Global	-
Developer/ Govt Description outbreak, to travel and to Country who Lessons lead EPI-Win processions are considered to the country of the cou	Information Netw e: https://www.wh Partners: World H Develop Partner x A risk communic argeting five group ourism sector; inducere innovation is a is this for? Numb rned? (if in develoption of the section of the	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform os: employers a ividuals, comm used? worldwi er of users? Fo	isk-communication (who Academia (Uni/Research) that provides resond workers; the head in the communities, and cities; ide for everybody. Unknown expected to be read and its management.	urces and updates on the ealth sector; the and local governments.	Global	-
Title: WHO Link/Source Developer/ Govt Description outbreak, ta travel and t Country wh Users: Who Lessons lea EPI-Win pro Evidence of Title: Chatb COMMUNIC	Information Network E: https://www.wh Partners: World H Develop Partner x A risk communice argeting five group ourism sector; inducere innovation is is this for? Number in the formation is expected by the lessons learn is success? unknown ot on Facebook MCATION E: https://m.me/w	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform os: employers a ividuals, comm used? worldwi er of users? Fo pment, when ed on Covid-19	isk-communication (who Academia (Uni/Research) that provides resond workers; the head in the communities, and cities; ide for everybody. Unknown expected to be read and its management.	urces and updates on the ealth sector; the and local governments. nown. ady?) Weekly updates of ent.		updates
Title: WHO Link/Source Developer/ Govt Description outbreak, ta travel and t Country wh Users: Who Lessons lea EPI-Win pro Evidence of Title: Chatb COMMUNIC	Information Network E: https://www.wh Partners: World H Develop Partner x A risk communic argeting five group ourism sector; induction is a is this for? Numb rned? (if in develoption lessons learn a success? unknown ot on Facebook MCATION E: https://m.me/w Partners: WHO	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform os: employers a ividuals, comm used? worldwi er of users? Fo pment, when ed on Covid-19 rn essenger to co	isk-communication (isk-communication (isk-communica	urces and updates on the ealth sector; the and local governments. nown. ady?) Weekly updates of ent.		updates
Title: WHO Link/Source Developer/ Govt Description outbreak, ta travel and t Country wh Users: Who Lessons lea EPI-Win pro Evidence of Title: Chatb COMMUNIC	Information Network E: https://www.wh Partners: World H Develop Partner x A risk communice argeting five group ourism sector; inducere innovation is is this for? Number in the formation is expected by the lessons learn is success? unknown ot on Facebook MCATION E: https://m.me/w	ork for Epidem no.int/teams/ri lealth Organiza Private Sector ation platform os: employers a ividuals, comm used? worldwi er of users? Fo pment, when ed on Covid-19	isk-communication (who Academia (Uni/Research) that provides resond workers; the head in the communities, and cities; ide for everybody. Unknown expected to be read and its management.	urces and updates on the ealth sector; the and local governments. nown. ady?) Weekly updates of ent.		updates

		1.	Preventing Tra	ansmission Innova	itions	Global or CAREC REGION	Latest Update
	French, Spa		rough WHO's	official Facebook p	ow be accessed in English, page by selecting "Send		
	Users: who	is this for, numbe	er of users? Ger	neral population			
	Country wh	ere this has been	implemented:	Globally			
f	Title: Globa		n campaign to c	contain the spread	of COVID-19/ HEALTH	Global	2021
	Link/Source	•: https://www.rea	alwire com/rele	eases/World-Healt	:h-Organization-and-Out-		
		ct-join-forces	arvin crooring ren	sases, world fream	and out		
	Developer/	Partners: Out the	re Imnact Wor	ld Health Organiza	ution (WHO)		
	Developery	Develop	Private	Academia			
	Govt	Partner	Sector	(Uni/Research)			
	than three hengagemen	•	obal citizens by mobile operatoused: Globally	early 2021 via Ou or partners.	ting messages to more t There Impact's mobile		
g	Title: Kazak	hstan Never Sleep	s/HEALTH CON	MUNICATION		REGIONAL	Unknown
	Link/Source	e: https://t.me/kns	scovid19				
	Developer/	Partners: https://o	centralasiaprog	gram.org/archives/	<u>/18399</u>		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
		l : The Telegram Ch th information.	X annel of Physic	 cians in Kazakhstar	J n informs about Covid-19		
	Country wh	ere innovation is	used: Kazakhst	an			
	Users: Who	is this for? Gener	al population				
	Title: Pakist	an COVID-19 Situa	ntion Report # 1	L6 /HEALTH COMN	IUNICATION	REGIONAL	Regularly updated
		e: https://www.un p%2016.pdf	icef.org/pakista	an/media/2796/fil	e/COVID-		
	Developer/	Partners: UNICEF					
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
		Х					
	includes cod	ordination with va	rious partners i	involved, impleme	work by UNICEF, which nting the national ngage of religious leaders,		

	1.	Preventing Tra	ansmission Innovations	Global or CAREC REGION	Latest Update
_	-	-	gh community engagement, helpline ntation and mobilization.	25,	
Users: Who i	is this for? Gene	ral public and s	takeholders in the field.		
Lessons lear	ned? NA				
Title: The Kn	owledge Centre	for China's Exp	periences in Response to COVID-19	REGIONAL	Regular updates
Link/Source:	https://covid19	.alliancebrh.cor	<u>n</u>		
Developer/P	Partners: Chinese		 		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)		
х					
	d treatment. ere innovation is	used: China			
Country whe	ere innovation is	a officials, scien	itists, health professionals	REGIONAL	Regular
Country whe Users: Who i Title: emong	ere innovation is	a officials, scien	IUNICATION	REGIONAL	Regular updates
Country when Users: Who is Title: emong Link/Source: Developer/Ptechnology a	ere innovation is is this for? Media olia web portal/is https://www1.	a officials, scien HEALTH COMM e-mongolia.mn	IUNICATION I/home Ongolia (Communication, information)		_
Country when Users: Who is Title: emong Link/Source: Developer/Ptechnology a	ere innovation is is this for? Media olia web portal/labeler https://www1. Partners: The government of	a officials, scien HEALTH COMM e-mongolia.mn vernment of Movernment o	IUNICATION I/home Ingolia (Communication, information) Ingolia)		_
Country when the Users: Who is	ere innovation is is this for? Media olia web portal/last https://www1. Partners: The government of the web portal has about COVID successive symptoms and a symptoms are symptoms.	e-mongolia.mn vernment of Movernment of Mov	IUNICATION I/home Ingolia (Communication, information) Ingolia) Academia	olia ngolia) to e of ce if Idition,	_
Country when the Users: Who is	ere innovation is is this for? Media olia web portal/last https://www1. Partners: The government of the web portal has about COVID successive symptoms and a symptoms are symptoms.	e-mongolia.mn vernment of Movernment of Mov	Academia (Uni/Research) developed by Government of Mongo yagency of the Government of	olia ngolia) to e of ce if Idition,	_

	1.	Preventing Tra	nsmission Innova	tions	Global or CAREC REGION	Latest Update
Title: Risk co	ommunication and CATION	community en	gagement (RCCE),	/HEALTH	Global	May 2021
Link/Source (who.int)	: Risk communicat	tion and commu	unity engagement	(RCCE) GOARN		
Developer/	Partners: WHO					
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
guidance an communicat Country wh	X c Offers a wide and d tools that are cution and communition is this for? Numbers	rrently availabl ty engagement used? Globally	e to support the C efforts globally.			
Title: WHO:	-	ovid-19 infection	on at border cross	ings in Kyrgyzstan/RISK	Regional	
Developer/	Partners: WHO, M Develop	inistry of Healtl	n Kyrgyzstan Academia			
Govt	Partner	Sector	(Uni/Research)			
Covid-19 wh and 4 groun prevention i	ile crossing borde	rs. The survey w n Kyrgyzstan to round. used: Kyrgyzsta	vas conducted at 3 determine the lev	l aken to <i>stop the spread of</i> 3 international airports vel of implementation of		
Wuhan/Chir	delivery drones for a/ISOLATION AND the https://sina.cn/li	D QUARANTINE	•	ls,	REGIONAL	
Developer/	Partners: JD Logist	ics: Wuhan Rer	she Station: Wuha	n Ninth Hospital		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
Х	i di di Ci	Х	(Shirthesearch)			
Description biological m		sing unmanned Is around Wuha	n to reduce the p	o deliver medical and erson-to-person contact		
Country wh	ere innovation is	used: China				
Users: Who	is this for? Genera	al population; h	ealth workforce			

	1.	Preventing Tra	ansmission Innov	rations	Global or CAREC REGION	Latest Update
Title: Drone QUARANTI	e in rural area over	sees people ga	thering/isolation,	/ISOLATION AND	REGIONAL	June 2021
Q 07						
Link/Source	e:					
https://ww	w.bilibili.com/vide	o/BV1R7411x7	'Mb?p=6&spm_id	I from=pageDriver		
Developer/	/Partners:					
Govt	Develop	Private	Academia			
Govt	Partner	Sector	(Uni/Research))		
	Х					
separate an	_	used: All count	ries.	ne drone will ask them to		
Title: Euras	ia Lab & Fellowship	o Program /RES	EARCH COLLABO	RATION	Regional	Until Mai 2021
asia/eurasia Developer/	a-lab-fellowship-pr /Partners: Institut f	ogram/		ed by the Open Society		
Foundation		Duinesta	Acadamia	\neg		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)	,		
	raither	X	(Only Research)			
activists wo therefore s the program for research Country wh	orking on Eurasia, v erves as a major co	which increases ontact point for shop to discuss d on Eurasia. used: Eurasian	its outreach to re all actors workin s the implication o	archers, practitioners and elevant stakeholders and g on Eurasia. Among other, of the Covid-19 pandemic		
Title: Cochi	rane COVID-19 Stud	dy Register /RE	SEARCH COLLABO	DRATION	Global	May 2021
Link/Source	e: Cochrane COVID	-19 Study Regi	<u>ster</u>			
Govt	Develop Part	Private Sector	Academia			
	X					
	n: Cochrane is an in as a <u>not-for-profit c</u>		twork with headq	uarters in the UK. It is		
_		sted in using hi		nation to make health		
decisions. V Cochrane e decision ma	Whether you are a vidence provides a aking. COVID -19 Co	powerful tool ochrane provid	to enhance your les systematic rev	healthcare knowledge and		
decisions. V Cochrane e decision ma treatment,	Whether you are a vidence provides a aking. COVID -19 Co outcome, and serv	powerful tool ochrane provid rice interventio	to enhance your les systematic rev	healthcare knowledge and		
decisions. No Cochrane e decision mattreatment, Country wh	Whether you are a vidence provides a aking. COVID -19 Co	powerful tool ochrane provid ice interventio used. GLOBALL	to enhance your les systematic rev ns. Y	healthcare knowledge and riews on COVID 19		

	1.	Preventing Tra	nsmission Inno	vations	Global or CAREC REGION	Lates Updat
Title: Covid	-19 Treatment and	l Vaccine Tracke	er/CLINICAL TRA	AILING OF VACCINATION	Global	2021
Link/Source 19vaccinetr		tracker.milkeniı	nstitute.org/; ht	ttps://www.covid-		
Developer/	Partners: The US	Milken Institute				
Govt	Develop Part	Private Sector	Academia			
Х						
available info vaccines. Country wh		lidated source o		aggregation of publicly nent of treatments and		
Title: COVII) avidance / CLINIA	CAL TRAILING O	E VACCINATIO	M	Global	April 202
	O-evidence / CLINIC e: <u>Database</u> - List -			V	Global	April 202
			-	ve of the Department of		
Clinical Rese		of Basel and th	ie Meta-Resear	ch Innovation Center at		
Govt	Develop	Private	Academia			
	Partner	Sector	(Uni/Research	<u>1) </u>		
completed of CoV-2-infectoriginal sour COVID-evid COVID-19 sour COVID-19	randomized contro tions. COVID-evid rces such as study ence database is u	olled trials on ar ence collects up protocol docun used to foster co eviews on morta	ny intervention i-to-date trial in nents, registry e illaboration and	nned, ongoing, and to treat or prevent SARS-formation as well as links to entries, and publications. The evidence generation on with hydroxychloroquine and	е	
•	ere innovation is	•	no geographic	restriction		
=		-		cal practitioners, and		
evidence wa characterist	as limited but the ics of randomized	COVID-evidence controlled trial	e database now s such as status	ready?): Initially, the focuses on reporting key , design features, the clinicautcomes), and setting.	ıl	
Evidence of	• •	cessful as it inclu	udes randomize	ed controlled trials (RCTs)		
WILLI IIO ICS					Global	+
	on & Johnson CO\	ID-19 EHOLIS/C	LINICAL INAILII	NG OF VACCINATION		
Title: Johns	on & Johnson COV	-		NG OF VACCINATION		
Title: Johns Link/Source		nssen.com/covid		NG OF VACCINATION		
Title: Johns Link/Source	e: https://www.jar	nssen.com/covid				

1. Preventing Transmission Innovations	Global or CAREC REGION	Latest Update
Description: Johnson & Johnson has been working with industry partners, governments and health authorities to help end the fast-moving COVID-19 pandemic through the development of a possible preventive vaccine candidate against SARS-CoV-2: in February 27, 2021 U.S. FDA authorizes single-dose Janssen COVID-19 vaccine for emergency use.		
With the help of the site, vaccine recipients and healthcare professionals can check whether the vaccine has been approved by the relevant health authority in one's country and receive relevant information regarding the vaccine.		
Country where innovation is used: worldwide		
Users: Who is this for? Number of users? Health experts		

2. Physical Infrastructure/ Workforce Capacity Innovations

- Physical Infrastructure
- Workforce
- Mental Health of Workforce

		2.	Physical Inf	rastructure Appro	ach	GLOBAL or CAREC REGION	Latest Update
а	AND WORK	FORCE			PHYSICAL INFRASTRUCTURE	Global	2021
	Link/Source	: Capacity Building	g and Training	GOARN (who.int)			
	Developer/F	Partners: GOARN-	-WHO				
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
		Х					
b	Country who	nguage and othersere innovation is is this for? Healthert of voluntary con	used: globally n experts	ers to fight Covid-1	9/ PHYSICAL	REGIONAL	2020
	Link:			142/43148/Docum	ent/1681818/1681818.htm		
	Govt	Develop	Private	Academia			
	3371	Partner	Sector	(Uni/Research)			
			Х				
	rural commu	unities, monitorin	g the situation,	_	in around 650,000 urban and eratures, screening for ghborhoods.		

		2.	Physical Infr	astructure Appro	ach	GLOBAL or CAREC REGION	Latest Update
		· · · · · · · · · · · · · · · · · · ·			ers, volunteers, and many on the fight against the		
	Country whe	ere innovation is	used: China				
	Users: Who	is this for? Chines	se citizens				
	Lessons lear	ned? (if in develo	pment, when e	expected to be rea	ıdy?)		
	country had		ore than 460,00	_	d volunteers across the cts, rendering a total of more		
С		sends strongest m		battle virus in Wu	han / PHYSICAL	REGIONAL	2020
	Link/Source:		cn/a/202002/13	3/WS5e45203ca31	.01282172775fd.html		
	Developer/P				1		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	х	Partilei	Sector	(Only Nesearch)			
	Users: Who		se patients cal distress amo		orkers during COVID pandemic	REGIONAL	2020
	_	MENTAL HEALTH	OF WORKFOR	CE			
		: National Mental		-			
	Developer/F	Partners: Centers	for Disease Con	trol and Prevention	on (CDC)		
	Developer/P Govt	Partners: Centers Develop	for Disease Con Private	trol and Prevention	on (CDC)		
		Partners: Centers	for Disease Con	trol and Prevention	on (CDC)		
	Govt x Description: health cente care provide health care v Users: who i and health a	Partners: Centers Develop Partner This is a small-scarto determine the rs who're working workers in 4 refers this for, number dministrators, de	for Disease Con Private Sector ale descriptive secauses, risk factor g on COVID-19 recorded and the control of the control of the cost of	Academia (Uni/Research) x curvey conducted actors for psychologies of the survey din 3 isolation ceresurvey findings are or creating and magnetic contents.	by Mongolian National Mental ogical distress among health vey was conducted among 435 nters. The relevant for health managers aintaining mental health		
	Govt x Description: health cente care provide health care v Users: who i and health a wellbeing of	Partners: Centers Develop Partner This is a small-scarto determine the rs who're working workers in 4 refers this for, number dministrators, de	for Disease Con Private Sector ale descriptive secauses, risk fag on COVID-19 real hospitals and reform the cision makers for during crisis site.	Academia (Uni/Research) x curvey conducted actors for psychologies are survey din 3 isolation ceresurvey findings are actors and magnetical actors and magnetic actors are creating and magnetic actors such as Control and Control actors are control actors and control actors and control actors and control actors and control actors actors and control actors actors and control actors acto	by Mongolian National Mental ogical distress among health vey was conducted among 435 nters. The relevant for health managers aintaining mental health		

	2.	Physical Inf	frastructure Appro	pach	GLOBAL or CAREC REGION	Latest Update
	lines for Adult Vac CTURE DEVELOPN		ters (AVCs) in Paki	istan /PHYSICAL	REGIONAL	Jan 28, 2021
	: https://www.nil ccination-Counter		-	021/01/20210128-Guidelines-		
Developer/I	Partners: NIH, Isla	mabad		_		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
Х			(0,	_		
the respective secondary le	ve provincial healt	ational decision th department ary- RHCs) only	n, vaccine administ s through AVCs in y. Currently 582 AV	out through Adult Vaccination tration is the responsibility of health facilities (tertiary, /Cs have been designated for		
the respective secondary let COVID-19 vacconnectivity	ve provincial healt evel and few prima accination. Every A	ational decision th department ary- RHCs) only NC must have ower supply to	n, vaccine administ s through AVCs in y. Currently 582 AV a computer, printo facilitate uninterro	tration is the responsibility of health facilities (tertiary,		
the respective secondary less COVID-19 vacconnectivity	ve provincial healt evel and few prima occination. Every A and consistent po	ational decision th department ary- RHCs) only NC must have ower supply to used: Pakistan	n, vaccine administ s through AVCs in y. Currently 582 AV a computer, printo facilitate uninterro	tration is the responsibility of health facilities (tertiary, //Cs have been designated for er, android phone, internet		
the respective secondary less connectivity Country who Users: Who	we provincial health evel and few primal consistent position and consistent position is this for? Vaccination for the consistent position is the consistent position in the consistent position is the consistent position in the consistent	ational decision th department ary- RHCs) only NC must have ower supply to used: Pakistan nation Center N	n, vaccine administs through AVCs in through AVCs in the conference of the computer, printed facilitate uninterrulated facilitated	tration is the responsibility of health facilities (tertiary, //Cs have been designated for er, android phone, internet		

3. Health Service Provision Innovations

- Planning Services
- Managing Essential (non-COVID) Services
- Managing (COVID) Cases
- Community Engagement

		3. F	lealth Service F	Provision Innovatio	ns	GLOBAL or CAREC REGION	Latest Update
а	Link/Source: supplies-fore	.9 Essential Supp https://www.w casting-tool artners: WHO		Global	August 2020		
	_			Academia (Uni/Research) It essential supplies t, diagnostic equip			

		3. H	ealth Service Pr	rovision Innovatio	ns	GLOBAL or CAREC REGION	Latest Update
		_		rugs for supportiv	e care, and		
		e medical supplies nere innovation is					
	_	is this for? Health	-				
b				ort /Planning S E		Global	Free version ran out in May 2020
		e: <u>https://scoutbee</u> utbee.com/#		a, 2020			
		Partners: Scoutbe					
	Developely	Develop	Private	Academia			
	Govt	Partner	Sector	(Uni/Research)			
			Х				
	such as surg nongovernr health-care Country wh	gical masks, proted ment organizations	ctive suits, cotto s, public bodies, gent pharmaceu used: Globally	n swabs, and mor	l governments, and		
С		y Chain Maps for F : http://adb-stagi		ng Products /PLAN ems/#/	NING SERVICES	Global	Late 2020
	Developer/			nk (ADB), Coriolis T	echnologies,		
	Govt	Develop	Private	Academia			
		Partner	Sector X	(Uni/Research)			
	health care involved in disease (CO possible and Country wh	X: Compilation of m professionals with manufacturing and VID-19) have noth d getting them to here innovation is is this for? Health					
	Title: Fango	ang Shelter Hospit	tals /PLANNING	SERVICES		REGIONAL	2020
		e: https://www.the 864-3/fulltext	<u>elancet.com/jοι</u>	urnals/lancet/artic	le/PIIS0140-		
	Developer/	Partners: Chinese	government				
		Develop	Private	Academia			
	Govt	Partner	Sector	(Uni/Research)			
	Х			, , ,			
L	1	1	i	I		1	1

		3. H	ealth Service P	rovision Innovatio	ns	GLOBAL or CAREC REGION	Latest Update
Fangca	ang Sho vithin t	elter Hospitals, pı	rovided beds to		atment centers, or ed cases. They were ith mild to moderate		
Count	ry whe	ere innovation is	used: China				
Users:	: Who i	is this for? Chines					
Title: I		ın develops NIMS	REGIONAL	Dec 30, 2020			
Link/S	Source:	https://www.bre	ecorder.com/ne	ews/40045867			
Devel	oper/P	Partners: NOCN, N	NADRA, NITB				
		Develop	Private	Academia]		
Go	ovt	Partner	Sector	(Uni/Research)			
			Х				
Regist it was	ration told in	I been taken in co Authority (NADRA an NCOC meetin					
	-	ere innovation is					
Users:	: Who i	is this for, numbe	er of users? Gov	vernment and its p	partners.		
Users: Lessor	: Who i	is this for, numbe ned? The system	er of users? Gov is working smo	vernment and its pothly.			
Users: Lessor Evider procee	: Who ins lear	is this for, number ned? The system success? It is successority	er of users? Gov is working smo cessful as the na	vernment and its p othly. ational vaccination			
Users: Lessor Evider procee by the	: Who ins learning of sections	is this for, number ned? The system success? It is success smoothly across the	er of users? Govis working smo cessful as the na he country usin	vernment and its p othly. ational vaccination	roll-out is is being appreciated	REGIONAL	2020
Users: Lessor Evider procee by the Title: Link/S	: Who ins learning of seding seepublic Telem	is this for, number ned? The system success? It is success smoothly across the	er of users? Govis working smooressful as the nather country using to rural areas, panded to rura	vernment and its pothly. ational vaccination g this system and in the control of	roll-out is is being appreciated	REGIONAL	2020
Users: Lessor Evider procee by the Title: Link/S	: Who ins learning of seding seepublic Telem	is this for, number ned? The system success? It is success the success the success the success the success the success the success that is the suc	er of users? Government per of users? Government per of users? Government private	vernment and its pothly. ational vaccination g this system and in /MANAGING CASE l areas Academia	roll-out is is being appreciated	REGIONAL	2020
Users: Lessor Evider procee by the Title: Link/S	: Who ins learning of second s	is this for, number ned? The system success? It is success the suc	er of users? Government of users? Government of users? Government of users?	vernment and its pothly. ational vaccination g this system and in /MANAGING CASE	roll-out is is being appreciated	REGIONAL	2020
Lessor Evider procee by the Title: Link/S Develo Quadratic conne offer in home	: Who ins learning of sections in the control of sections in the control of sections in the control of the cont	is this for, number ned? The system success? It is success the success? It is success the	er of users? Government Private Sector Friendship Hosennected Health 9 cases in Wuh creatment and restrict services to or chicago.	vernment and its pothly. ational vaccination g this system and its yet mand its yet	nroll-out is is being appreciated is being appreciated is sections.	REGIONAL	2020
Lessor Evider procee by the Title: Link/S Develo Quadratic conne offer in home	: Who ins learning of sections in the control of sections in the control of sections in the control of the cont	is this for, number ned? The system success? It is success to the system edicine expanded: Telemedicine expanded: Telemedicine expanded: Partners: Chinese Develop Partner The China-Japan emedicine and Court severe COVID-1 role in patients' to the ent indicated to sy-distance diagnostials and househo	er of users? Government Private Sector Friendship Hosennected Health 9 cases in Wuh creatment and restrict services to or chicago.	vernment and its pothly. ational vaccination g this system and its yet mand its yet	nctions for the ed long-distance in province and all poor counties, to handle them and	REGIONAL	2020

	3.	Health Service	Provision	on Innovatio	ns			GLOBAL or CAREC REGION	Late Upda
	elemedicine is he ay)/ MANAGING		ght agair	st COVID-19	and v	why it shou	ld RE	GIONAL	Jan 202
Link/Source: https://www telemedicine									
_	Partners: UNDP, 7 e-clinics acros		(nearth i	lech social ei	nterpri	ise with a			
Govt	Deve Part	-	rivate Sector	Acader (Uni/Rese	-				
	х		Х	, ,	· · ·				
trained in pu accessible for Country whe	an-e-watan", a ulmonology and or all patients. ere innovation is	d critical care	joined tl						
Lessons lear		ad use of tele-r	medicine				ved		
to be an effe	ral Public ned? Widesprea	ad use of tele-r dly tool for bo d Operations C	medicine oth, physi Center/ N	icians, and p	atients			GIONAL	_
Lessons learn to be an effe Title: National Link/Source:	ral Public ned? Widesprea ctive, user-frien al Command and thttps://ncoc.go	ad use of tele-r dly tool for bo d Operations C ov.pk/govt-init	medicine oth, physi Center/ N ciatives.p	icians, and p	atients			GIONAL	Regular updated
Lessons learn to be an effe Title: National Link/Source:	ral Public ned? Widesprea ctive, user-frien al Command and https://ncoc.go Partners: Govern Develop	ad use of tele-ridly tool for bo d Operations Cov.pk/govt-init	medicine oth, physi Center/N ciatives.p	IANAGING C hp cademia	atients			GIONAL	_
Lessons learn to be an effe Title: National Link/Source: Developer/P	ral Public ned? Widesprea ctive, user-frien al Command and https://ncoc.go	ad use of tele-r dly tool for bo d Operations C ov.pk/govt-init	medicine oth, physi Center/N ciatives.p	icians, and p	atients			GIONAL	_
Lessons learn to be an effect to be the national initiatives to by the governegistry, Small Integrated D Management Hospital & In WeCare, Tiget Users: who in Country whete	ral Public ned? Widesprea ctive, user-frien al Command and https://ncoc.go rartners: Govern Develop Partner The National Co COVID-19 respo help the public nment. The IT in irt Lockdowns, F isease Informati t System, a nation fection treatme er Force, Ehsas p is this for, numb ere this has been	or o	center/Notations of the physical content of the physic	hp cademia /Research) ns Center is troduced sever oviD-19 related to S System, Pakem, an Educa alth Portal (Mobilization atan. ublic an	the ner eral IT ated se OPs Vi Neghational I	eve center of based ervices offer olation ayban App, Institute an Isolatio I relief Fund	RE RE	GIONAL	_
Lessons learn to be an effect on hear seamlessly.	ral Public ned? Widesprea ctive, user-frien al Command and thttps://ncoc.go eartners: Govern Develop Partner The National Co COVID-19 respo help the public nment. The IT in irt Lockdowns, F isease Informati t System, a natio fection treatme er Force, Ehsas p s this for, numb	or duse of tele-redly tool for both done of Pakis Private Sector Ommand and Conse. The NCOO gain better accontitatives include Resource management on al Helpline, ent center, Controgramme, Yater of users? Go implemente lience: The systems of th	Center/Noticette, physical phy	IANAGING Control of the control of t	the ner eral IT ated se OPs Vi Negha tional (1166), n, a PM	eve center of based ervices offer olation ayban App, Institute an Isolatio I relief Fund	RE RE	GIONAL	_

		3. H	ealth Service P	Provision Innovatio	ns	GLOBAL or CAREC REGION	Latest Update
,	Title: Overvi	ew of Isolation ar	nd Quarantine f	facilities in Pakistar	/MANAGING CASES	REGIONAL	2021
	-	: https://covid.go antine%20Facilitie					
	Developer/F	Partners: Governr	ment of Pakista	ın			
	Govt	Develop					
	GOVE	Partner	Sector	(Uni/Research)			
	Х						
	Quarantine f buildings and Country who	facilities across th d equipped them ere innovation is	e country in va accordingly to used: Pakistan	prepare for any lar	k of Isolation and acilities and private ge-scale eventuality.		
		is this for? Gener	al Public				
		users? unknown					
		_	•	tion of such faciliti ch centers at short			
	national med	dia and received a	appreciation fro	facilities were well om the public. The rt of the pandemic.	sites developed were		

4. Leadership and Policy Innovations

- Policy Capacity/Task Force Approach
- Systematic Capacity Approach
- Key Measures (Lockdowns etc.)
- Creation of Transition Plans
- Communication Strategy
- Responding to vulnerable groups

						GLOBAL	
		4.	Leadersl	nip and Policy Inn	ovations	or CAREC REGION	Lat Upo
Title	: Centra	lizing Governance	/Policy Capacit	//TASK FORCE AP	PROACH	Global	Apri
		: https://analysis.ogovernance-and-a			hp/2020/04/19/how-are-countries-		2020
Deve	loper/F	Partners: Covid-19	Health System	s Response Monit	cor		
G	iovt	Develop	Private	Academia			
<u> </u>		Partner	Sector	(Uni/Research)			
		X					
	-				nave centralized governance and at re-existing) emergency plans.		
	_	•	•	id existence of (p	re-existing) emergency plans.		
	-	ere innovation is	•				
		is this for? Health					
		SK FORCE APPRO		icany approach tr	ansition decisions /Policy	Global	2020
eng.p	pdf	Partners: Eurohea Develop Partner		Academia (Uni/Research)	5/336284/Eurohealth-26-2-93-98-		
		Х	Sector	(OIII/Researcii)			
Polici decis Cour	y issues sions in ntry who		ve put together used? Globally	a <i>checklist</i> to help	s, and what is a lockdown anyway? policymakers approach transition		
Title		ford Covid-19 Go	vernment Resp	onse Tracker (OxC	GRT)/SYSTEMATIC CAPACITY	Global	
Title: APPF Link/	ROACH /Source	: https://www.bsg	g.ox.ac.uk/covic	<u>tracker</u>		Global	
Title: APPF Link/	ROACH /Source	: https://www.bsg	g.ox.ac.uk/covic	tracker ernment, Universi		Global	
Title: APPF Link/	ROACH /Source	: https://www.bsg Partners: Blavatnil Develop	k School of Gov Private	tracker ernment, Universi Academia		Global	
Title: APPF Link/	ROACH /Source eloper/F	: https://www.bsg	g.ox.ac.uk/covic	tracker ernment, Universi		Global	
Title: APPP Link/	ROACH /Source eloper/F	: https://www.bsg Partners: Blavatnii Develop Partner	k School of Gov Private Sector	ernment, Universi Academia (Uni/Research)	ity of Oxford	Global	
Title: APPF Link/ Deve	ROACH /Source eloper/F iovt cription:	Partners: Blavatnil Develop Partner The Oxford Covid	k School of Gov Private Sector	ernment, Universi Academia (Uni/Research) x at Policy Response	ity of Oxford Tracker (OxCGRT) collects	Global	
Title: APPF Link/ Deve G Desc syste	ROACH /Source eloper/F fovt ription: ematic ir	Partners: Blavatnil Develop Partner The Oxford Covid	k School of Government of Gove	ernment, Universi Academia (Uni/Research) x at Policy Responses have taken whice	ity of Oxford	Global	

				GLOBAL	
	4.	Leaders	ship and Policy Innovations	or CAREC	Latest Update
				REGION	Opuate
-			e taken, records these policies on a scale to reflect s these scores into a suite of policy indices.	the	
	is collected by a t		on on 20 indicators of government response. This 00 volunteers from the Oxford community and is		
It also includ	des statistics on th	e number of re	eported Covid-19 cases and deaths in each country	<i>'</i> .	
detailed gui	dance about the c	odebook and h	their meaning can be found in <u>codebook</u> . More now to interpret the indicators, can be seen at <u>cod</u> cy, and standardizes coding across the database.	ing	
as school clo	osures and restrict	ions in movem	information on <u>containment and closure policies</u> , s nent. Four of the indicators (E1-E4)		
indicators (F		•	oport to citizens or provision of foreign aid. And eig cies such as the Covid-19 testing regime or emerge	·	
	economic policy fo		rnment policies related to closure and containmen 80 countries, plus several countries' subnational	t,	
-	ere innovation is	used? Globally	' .		
government		OVID-19 across	makers and publics—to make sense of the effects different populations and contexts, as well as whates.		
			indicator, H8 Protection of elderly people to the had a structure of 13 indicators. Now it has 20.		
country ana	lysis, is consistent	ly updated and	al coverage, enables comparable within- and acros I expanded, is publicly available, is built with a tear ective countries in which they focus, and has a		
	oanel data structu	re that has ena	ibled merging with other databases and quantitative	ve	
analysis.	oanel data structu 0-19 Business Impa		-	ve Global	
analysis.			-		
analysis. Title: COVID	0-19 Business Impa	act Center	-		
analysis. Title: COVID	0-19 Business Impa	act Center	bled merging with other databases and quantitative policy Coronavirus (COVID-19) Baker Library		
analysis. Title: COVID Link/Source Bloomberg (0-19 Business Impa	nagement and Business Schoo	bled merging with other databases and quantitative policy Coronavirus (COVID-19) Baker Library		
analysis. Title: COVID Link/Source Bloomberg (0-19 Business Impa e: <u>Health Care Mar</u> Center Harvard I	nagement and Business Schoo	bled merging with other databases and quantitative policy Coronavirus (COVID-19) Baker Library		
analysis. Title: COVID Link/Source Bloomberg (Developer/I Govt	2: Health Care Mar Center Harvard E Partners: Universi Develop Partner	nagement and Business Schoo ty of Harvard Private Sector	Policy Coronavirus (COVID-19) Baker Library I (hbs.edu) Academia (Uni/Research) x		
analysis. Title: COVID Link/Source Bloomberg (Developer/I Govt Description	p-19 Business Impa e: Health Care Mar Center Harvard F Partners: Universi Develop Partner : Covers topics of	nagement and Business School ty of Harvard Private Sector	Policy Coronavirus (COVID-19) Baker Library I (hbs.edu) Academia (Uni/Research) x Ith policy makers (e.g., public health officials) and	Global	
analysis. Title: COVID Link/Source Bloomberg (Bloomberg (Govt Description: managers (e	Partners: Universi Develop Partner : Covers topics of e.g., CEOs, chiefs c	nagement and Business School ty of Harvard Private Sector interest to hea of hospitals, ins	Policy Coronavirus (COVID-19) Baker Library I (hbs.edu) Academia (Uni/Research) x	Global	
analysis. Title: COVID Link/Source Bloomberg (Developer/I Govt Description managers (e can be appli not?	Partners: Universi Develop Partner : Covers topics of e.g., CEOs, chiefs c	nagement and Business School ty of Harvard Private Sector interest to heal of hospitals, inside health crisis	Policy Coronavirus (COVID-19) Baker Library (hbs.edu) Academia (Uni/Research) x Ith policy makers (e.g., public health officials) and urers, etc.). What leadership and management less? What are the responses? What's working? What's	Global	
analysis. Title: COVID Link/Source Bloomberg (Developer/I Govt Description managers (e can be appli not?	p-19 Business Impa e: Health Care Mar Center Harvard E Partners: Universi Develop Partner : Covers topics of e.g., CEOs, chiefs of e.g.,	nagement and Business School ty of Harvard Private Sector interest to heal of hospitals, inside health crisis	Policy Coronavirus (COVID-19) Baker Library (hbs.edu) Academia (Uni/Research) x Ith policy makers (e.g., public health officials) and urers, etc.). What leadership and management less? What are the responses? What's working? What's	Global	
analysis. Title: COVID Link/Source Bloomberg (Developer/I Govt Description managers (e can be appli not? Country wh Users: Who	D-19 Business Impa E: Health Care Mar Center Harvard I Partners: Universi Develop Partner : Covers topics of e.g., CEOs, chiefs of e.g., CEOs, chiefs of e.g. to managing the ere innovation is is this for?	nagement and Business School ty of Harvard Private Sector interest to head for hospitals, inside health crisis used: USA and	Policy Coronavirus (COVID-19) Baker Library (hbs.edu) Academia (Uni/Research) x Ith policy makers (e.g., public health officials) and urers, etc.). What leadership and management less? What are the responses? What's working? What's	Global	

		4.	Leaders	hip and Policy Inn	ovations	GLOBAL or CAREC REGION	Latest Update
С		19 Pandemic and tion/SYSTEMATIC			Economic Impact, and Social	Regional	2021
	Link/Source	: https://centralas	siaprogram.org/	archives/18786			
	Developer/	Partners: The Geo	rge Washingtor	n University, Centr	al Asia Program (CAP)		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	countries ar	: The paper gives and its social, polition ere innovation is	al, and econom	ic impact.	of the pandemic on Central Asian		
	_	is this for? Health			tries		
d	Link/Source		ntent/kyrgyzstaı	n/en/home/presso	center/pressreleases/2020/04/undp-	Regional	Took place in April 2020
	Developer/ Kyrgyzstan:	Partners UNDP, H	igh Technology	Park of the Kyrgyz	Republic, State Agency on ICT of		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Х	Х	Χ				
	diverse, and address the Inno4Kg cha Coordinatio Governmen stage for ea Country wh Users: Who	I effective solution acute needs of the allenge is part of the nunit (DRCU) which to f Kyrgyzstan to rly recovery. ere innovation is is this for? Health	is designed to to e vulnerable po ne joint humani ch was activate assist COVID-19 used: Kyrgyzsta n experts, gener	ackle the effects of pulations (see fur tarian response und on 16 March 20 emergency preparts)	was expected to generate speedy, f the coronavirus pandemic and ther results of the contest!). The nder the Disaster Response 20 following the request of the aredness and response and set a		
е	Title: E-Syst	em for Permits an	d Monitoring du	uring Quarantine I	Regime /Azerbaijan/KEY MEASURES	Regional	
	Link/Source	e: www.icaze.e-go	v.az				
	-		-		ate Agency for Public Service and aijan, Ministry of Internal Affairs,		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Х						
	channel for Regime, and necessary ca	obtaining permits d another channel	and monitoring which provides	g during the Imple sms permission fo	Quarantine Regime is based on one mentation of the Special Quarantine or citizens due to daily needs and		

4. Leadership and Policy Innovations	GLOBAL or CAREC REGION	Latest Update
Users: Who is this for? General public		

5. Paying for Services Innovations

- Health Financing
- Coverage (incl Social Protection)

а	Title: Strengt FINANCING	hening the healt				REGION	Update
		mening the heart	h financing res	ponse to Covid-19	in Europe/HEALTH	Global	2020
		_https://apps.wh 1343-41093-5582					
	Developer/P	artners: WHO Ba	arcelona Office				
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
		Х					
b	Users: who i	ere innovation is s this for? Health ary Mechanisms	Global	March 2020			
	financing/cov	_https://www.wl vid-19 artners: World F					
	Govt	Develop	Private	Academia			
	Gove	Partner	Sector	(Uni/Research)			
		Х					
		The paper offers					
	Country whe	ere innovation is	used? Globally				
	Users: who is	s this for? Health	experts, politi	cians			

	5.		GLOBAL or CAREC REGION	Latest Update		
Title: The CO	OVID-19 Health Fu	ınding Tracker/	HEALTH FINANCIN	IG	Global	
Link/Source	: The COVID-19 H	ealth Funding 1	Fracker (eiu.com)			
1	Partners: Welcom to disbursement.					
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Х					
Country wh		•	governments and i	nternational		
Title: Budge FINANCING	tary Mechanisms	in countries hi	ghly affected by Co	vid-19 /HEALTH	Global	March 2020
financing/co	vid-19		ealth-systems-gove tion (WHO), Health			
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Х					
	۸					

6. Other Innovations

Innovations that cannot be easily put into any of the categories above.

			GLOBAL or CAREC REGION	Latest Update			
а	Title: Interne	et firms provide a	id for merchants	5		REGIONAL	April 2020
		http://subsites.c		n/bjzpark/2020-02/ <u>2</u>	18/c 460928.htm		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
			х				

6. Other Responses	GLOBAL or CAREC REGION	Latest Update
Description : Measures include expense reduction, financial and logistics support, data flow information sharing and health protection.		
Chinese internet companies (Jingdong, Alibaba, Meituan) are reducing or scrapping commission fees, extending payment deadlines and providing loans with low interest rates for merchants on their platforms to help the latter alleviate pressure caused by the difficult situation resulting from the novel coronavirus outbreak.		
Users: who is this for, number of users? Chinese citizens		
Country where this has been implemented: China		

II. COVID-19 REGIONAL COOPERATION RESPONSES

(CAREC & CAUCASUS COUNTRIES)

Main question to be answered:

What have been the responses between any CAREC and Caucasus countries to COVID-19? (Regional Cooperation Responses)

Categories to be considered:

- 1. Preventing Transmission
- 2. Physical Infrastructure/ Workforce (Human Resources) Capacity
- 3. Provision of Health Services
- 4. Leadership and Policy Responses
- 5. Paying for Services Responses
- 6. Other responses

Cross Cutting Themes (to be considered for each category)

Health Technology (eg digital health such as e-health passports, point of entry appress)

Cross-sector elements (eg migration, foreign policy, climate change, trade)

Vulnerable groups (eg elderly, women, children, and persons with disabilities & communities residing in border

areas)

1. Preventing Transmission Responses

- Testing & Laboratory Capacity e.g. if countries sent samples across borders
- Surveillance Responses eg sharing information
- Health Communication eg shared key messages between countries, or in cross-border areas
- Isolation & Quarantine eg joint agreements, clear & accessible guidelines for travelers
- Research Collaboration e.g. for studying effect of testing or quarantine or vaccines
- Vaccine Related Activities e.g. cross-border collaboration/joint statements/ joint regional policies, research, joint procurement/manufacturing initiatives

		Regio		CAREC/C	Latest		
		P		COUNTRIES	Latest Update		
		(N.B. Health Techi	Groups)	INVOLVED			
а	Link/Source	a Lab & Fellowship : <u>http://iep-berlin</u> / <u>eurasia-lab-fellov</u>	.de/en/researc	:h/enlargement-ne	ighbourhood-and-	REGION	September 2021
	Developer/I	Partners: Centers	for Disease Co	ntrol and Preventio	on (CDC)		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	X						
	researchers, increase its contact poin organizes a researchers	practitioners and outreach to releva it for all actors wo workshop to discu working in and or	activists worki int stakeholder irking on Eurasi iss the implicat i Eurasia.	rogram creates one ing on Eurasia. The is and therefore ser ia. Among other, th ion of the Covid-19 oners, and activists	program should rve as a major ne program o pandemic for		
b	Title: Centra	•	niology and Lal	boratory Training P	rogram	REGION	
		: https://www.usa	_	0656 ntrol and Preventio	on (CDC)		
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Х			,			
	Health Intering Epidemiologisthan 100 con Afghanistan, implemente Program (FE and Public Hand service positions to public-health	ventions Network (y Training Progra) untries. Some CAF , Kazakhstan, Kyrg d the Central Asia LTP), which is sup lealth Intervention project designed f build skills in appl h practice.	(TEPHINET) is ms strengthenikEC countries (Ayzstan, Pakista Field Epidemic ported by the Set Network (TE) for health profesied epidemiological strength (TE) is Network (TE) for health profesied epidemiological strength (TE) is not set the	Azerbaijan, Georgian, and Uzbekistan) ology and Laborato Fraining Programs i PHINET). FELTP is a essionals in entry angy, surveillance, ar	of 75 Field stems across more a, Ukraine, and in have ry Training in Epidemiology a two-year training and mid-level and enhanced		
		is this for? Centra emiology and pub		es and its health wo	orkforce in the		

	ı	on Responses nsmission Sector/ Vulnerable (Groups	CAREC/C COUNTRIES INVOLVED	Late: Upda	
Country whe		implemented:	Azerbaijan, Georgi			
SCO: Overvie		Measures Taker	n by SCO Member S	States to Counter	Republic of Kazakhstan, the	
Link/Source:	http://eng.sects	sco.org/docume	ents/		People's Republic of China, the Kyrgyz Republic,	
Developer/D	Partners: SCO me	amher states			the Russian Federation, the	
Govt	Develop	Private	Academia (Uni/Research)		Republic of Tajikistan, the	
Х	Partner	Sector	(Only Research)		Republic	
actions at the surveillance, COVID-19 inf work of natio uninfected ci logistic suppo Users: who i	e country level; i organizing rapid fection; control a onal laboratories itizens; organizat ort for operation s this for? Health tains formal app	nforming the pure response team at points of entropy; prevention of tion of medical chall measures. In experts from Stroyal from regular regul	infection of medica care for patients w	s; providing gating cases of organization of the al workers and ith COVID-19;	CHINA; PAKISTAN	Aug 20
of Covid-19 v Link/Source: Developer/P	ute of Biotechno	kistan, CanSinoB logy	sio (China-based va	ccine developer),		
of Covid-19 v Link/Source: Developer/P	artners: NIH Pak	kistan, CanSinoB		ccine developer),		
of Covid-19 v Link/Source: Developer/P Beijing Institu	Partners: NIH Pak ute of Biotechno Develop	kistan, CanSinoB logy Private	Bio (China-based va	ccine developer),		

2. Physical Infrastructure/ Workforce (Human Resources) Capacity

- Physical Infrastructure (Buildings & Equipment) e.g., sharing/donating equipment, access to certain health facilities for patients across borders
- Workforce capacity e.g., sharing of health staff esp. in Intensive Care Units
- Capacity Building e.g., training provided from one country to another
- Telemedicine e.g. using telemedicine and virtual care for remote treatments (video telemedicine visits)
- Strengthening mental Health of Workforce

	Reg	gional Cooperat	cion Responses		CAREC/C	Latest
	Physical I	1	COUNTRIES	Update		
	(N.B. Health Tec		INVOLVED			
	•		perts with SCO cour	ntries'	PRC	2020
experts/ CAP	ACITY BUILDING				Kazakhstan	
		4 : 420	22.25/42/		Kyrgyzstan	
-	: <u>http://www.gov</u> ectsco.org/about		20-05/10/content 5	5510327.htm#1;	Pakistan	
iittp.//eiig.st	ectsco.org/about	SCO/			Tajikistan	
Developer/P	Partners:				Uzbekistan	
Developelyi	Develop	Private	Academia			
Govt	Partner	Sector	(Uni/Research)			
х						
		1				
-	_	•	ference with Shangh	ai Cooperation		
Organization	(SCO) member o	countries to cop	e with COVID-19			
Country whe	ere innovation is	used: SCO cour	ntries			
Hears: Who		ns of CCO sound	trios			
OSCIS. WIIIO	is this for? Citizeı	ns of SCO count	uies			
			cion from May/CAPA	CITY BUILDING	CHINA; PAKISTAN	27 Jul, 2020
Title : Pakista	n to begin local v	vaccine product			CHINA; PAKISTAN	
Title: Pakista	n to begin local v	vaccine product	ion from May/CAPA		CHINA; PAKISTAN	-
Title: Pakista Link/Source: vaccine-prod	in to begin local v : https://www.the luction-from-may	vaccine product enews.com.pk/ L	ion from May/ CAPA /latest/827439-pakis		CHINA; PAKISTAN	
Title: Pakista Link/Source: vaccine-prod	in to begin local v https://www.th luction-from-may	vaccine product enews.com.pk/ L istan, CanSinoB	ion from May/ CAPA <u>latest/827439-pakis</u>		CHINA; PAKISTAN	-
Title: Pakista Link/Source: vaccine-prod	th to begin local value that the series of t	vaccine product enews.com.pk/	ion from May/CAPA (latest/827439-pakis BIO Academia		CHINA; PAKISTAN	-
Title: Pakista Link/Source: vaccine-prod Developer/P	in to begin local v https://www.th luction-from-may	vaccine product enews.com.pk/ istan, CanSinoB Private Sector	ion from May/ CAPA <u>latest/827439-pakis</u>		CHINA; PAKISTAN	-
Title: Pakista Link/Source: vaccine-prod Developer/P	th to begin local value that the series of t	vaccine product enews.com.pk/	ion from May/CAPA (latest/827439-pakis BIO Academia		CHINA; PAKISTAN	
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itle: Chinese	e experts join Azei	baijan virus ba	ttle/WORKFORCE	CAPACITY	China, Azerbaijan	202
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			nd healthcare mat	ers.		
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Title: China	, Azerbaijan jointly	fight the outb	reak /PHYSICAL INI	RASTRUCTURE	China/Azerbaijan	202
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https://glob	al.chinadaily.com	.cn/a/202004/1	1 <mark>7/WS5e98e61fa3</mark>	<u>105d50a3d16c94.h</u>	<u>tml</u>	
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3. Health Services Provision Responses

- Planning & Managing Services e.g., shared experience or training of managers
- Health facility management of COVID patient-care services e.g., any support from 1 country to another
- Health facility management of (non-COVID) essential patient-care services e.g., any support from 1 country to another.

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neighbor deliverin	ing republic. The tr	ain departed fro nt of medical pr	nsignment of humanitarian aid arrived in the m the Surkhandarya region to Dushanbe, roducts, protective equipment and food	
colleague Honored	es overcome the sp Doctor of Uzbekist	read of coronavi an Nematjon Ibr	to the Sughd region of Tajikistan to help rus in the country. The team was headed by the ragimov. The medical staff also included an ologists. They held a series of scientific	
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Title: Uzbeki MANAGEME		cal complex in	the south of Tajikistan/HEALTH FACILITY	Uzbekistan, Tajikistan	202
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		Provision of	f Health Services		COUNTRIES
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	e:_https://www.us	•	an/program-updat	S es/aug-2020-tajik-migrants-	Uzbekistan, Kazakhstan, Tajikistan
eveloper/ Govt	Partners: USAID, I Develop Partner	nternational O Private Sector	Academia (Uni/Research)	ration	
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Aigration, a afely return	ssisted more than n home. The retur	n 600 Tajik mig ning labor mig	rants stranded at t rants, including wo	ational Organization for ne Kazakh Uzbek border to men, children, and students, point in Kazakhstan, through	

4. Leadership and Policy Responses

- Policy Responses between countries e.g., joint statements and declarations, joint strategies,
- Key Measures e.g., coordination of lockdowns, travel restrictions/bridges
- Communication Strategy e.g., shared between countries
- Specific policy for responding to vulnerable groups e.g., policy for elderly, women, children, and persons with disabilities & communities residing in border areas.

Regional Cooperation Responses Leadership and Policy Responses (N.B. Health Technology/ Cross-Sector/ Vulnerable Groups)	С	Lat				
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itle: United Nations Special Programme for Economies of Central Asia (SPECA)/POLICY CAPACITY	Afghani					
	stan, Azerbaij					
Link/Source:_https://www.unescap.org/events/2020speca-ef	an,					
	Kazakhs					
Developer/Partners: Centers for Disease Control and Prevention (CDC)	tan,					
Govt Develop Private Academia	Kyrgyzst					
Partner Sector (Uni/Research)	an,					
X	Tajikista n,					
	Turkme					
Description : Development of ideas for coordinated actions by Governments, the United Nations and	nistan,					
other relevant stakeholders to respond to the socioeconomic impacts of COVID-19.	Uzbekis					
Users: who is this for? Health experts and politicians from participating countries	tan					
Country where this has been implemented : Afghanistan, Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikista						
Turkmenistan, and Uzbekistan, under the chairmanship of Kyrgyzstan; representatives of United Nation	ns					
agencies and programmes, relevant international and regional organizations, international financial						
institutions and donors.						
Title: WHO Hub in Kyrgyzstan and Georgia to boost Covid-19 response in the region/POLICY CAPACITY						
Link/Source: https://www.euro.who.int/en/health-topics/Health-systems/pages/news/news/2020/12/who-hubs-pool-resources-in-the-european-region-to-boost-covid	1 -					
Link/Source: https://www.euro.who.int/en/health-topics/Health-systems/pages/news/news/2020/12/who-hubs-pool-resources-in-the-european-region-to-boost-covid 19-response Developer/Partners: Centers for Disease Control and Prevention (CDC)	3 -					
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Link/Source	e: https://docs.eae	eunion.org/docs	es of the Eurasian	Economic Union/POLICY RESPONSES Verr 20072020 16	Armeni a, Republi c of Belarus, Republi c of Kazakhs tan,	0
Developer/ Govt X Description 16 "On a co well-being c infectious d published. T joint exercis develop vac Users: who Country wh	Partners: Centers Develop Partner : On July 20, 2020 mprehensive plan of the population to iseases in the terri This plan includes to ses to develop respectiones and diagnos is this for, number	for Disease Con Private Sector , the Order of the of measures in the exchange of the exchange of ponses to outbruitic test systems or of users? Eura implemented:	Academia (Uni/Research) The Eurasian Intergethe field of health pread of coronavitember states of the information on the eaks of infectious Assian Economic Universe of Armer Republic of Armer	derr 20072020 16 On (CDC) Overnmental Council of July 17, 2020 No. a care and sanitary and epidemiological rus infection COVID-19 and other the Eurasian Economic Union " was the epidemiological situation, conducting diseases, conducting joint research to	Armeni a, Republi c of Belarus, Republi c of Kazakhs	
Developer/ Govt X Description 16 "On a co well-being co infectious diffectious diffectious develop vaco Users: who Country who Kazakhstan,	Partners: Centers Develop Partner : On July 20, 2020 mprehensive plan of the population t iseases in the terr This plan includes to ses to develop respectives and diagnos is this for, number here this has been Republic of Kyrgy	for Disease Con Private Sector , the Order of the of measures in the exchange of the exchange of ponses to outbruitic test systems or of users? Eura implemented:	Academia (Uni/Research) The Eurasian Intergethe field of health pread of coronavitember states of the finformation on the eaks of infectious Assian Economic Uniceptation of Armer Federation	cerr 20072020 16 On (CDC) Overnmental Council of July 17, 2020 No. a care and sanitary and epidemiological rus infection COVID-19 and other the Eurasian Economic Union " was the epidemiological situation, conducting diseases, conducting joint research to	Armeni a, Republi c of Belarus, Republi c of Kazakhs tan, Republi c of Kyrgyzst an, Russian Federati	
Developer/ Govt X Description 16 "On a co well-being co infectious d published. T joint exercise develop vace Users: who Country wh Kazakhstan,	Partners: Centers Develop Partner : On July 20, 2020 mprehensive plan of the population t iseases in the terr This plan includes to ses to develop respectives and diagnos is this for, number here this has been Republic of Kyrgy	for Disease Con Private Sector , the Order of the of measures in the exchange of the exchange of ponses to outbruitic test systems or of users? Eura implemented:	Academia (Uni/Research) The Eurasian Intergethe field of health pread of coronavitember states of the finformation on the eaks of infectious Assian Economic Uniceptation of Armer Federation	derr 20072020 16 On (CDC) Devernmental Council of July 17, 2020 No. or care and sanitary and epidemiological rus infection COVID-19 and other the Eurasian Economic Union " was the epidemiological situation, conducting diseases, conducting joint research to the situation of the second second second situation of the second	Armeni a, Republi c of Belarus, Republi c of Kazakhs tan, Republi c of Kyrgyzst an, Russian Federati on	
Developer/ Govt X Description 16 "On a co well-being co infectious diffectious develop vace develop vace Users: who Country who Kazakhstan, Title: One reg	Partners: Centers Develop Partner : On July 20, 2020 mprehensive plan of the population to iseases in the terro This plan includes to see to develop respectines and diagnos is this for, number iere this has been in Republic of Kyrgy gion, one health: Fe- OPINION	for Disease Con Private Sector , the Order of the of measures in the exchange of ponses to outbratic test systems or of users? Eura implemented: Preparing Central	atrol and Prevention Academia (Uni/Research) The Eurasian Intergethe field of health pread of coronavinember states of the finformation on the eaks of infectious Assian Economic Universe dereation	derr 20072020 16 On (CDC) Devernmental Council of July 17, 2020 No. or care and sanitary and epidemiological rus infection COVID-19 and other the Eurasian Economic Union " was the epidemiological situation, conducting diseases, conducting joint research to the situation of the second second second situation of the second	Armeni a, Republi c of Belarus, Republi c of Kazakhs tan, Republi c of Kyrgyzst an, Russian Federati on	
Developer/ Govt X Description 16 "On a co well-being co infectious d published. T joint exercise develop vace Users: who Country who Kazakhstan, Title: One reg	Partners: Centers Develop Partner : On July 20, 2020 mprehensive plan of the population t iseases in the terr This plan includes to ses to develop respectives and diagnos is this for, number here this has been Republic of Kyrgy gion, one health: F OPINION	for Disease Con Private Sector , the Order of the of measures in the exchange of the exchange of ponses to outbruitic test systems or of users? Eura implemented: vzstan, Russian Foreparing Central	atrol and Prevention Academia (Uni/Research) The Eurasian Intergethe field of health pread of coronavinember states of the finformation on the eaks of infectious Assian Economic Universe dereation	derr 20072020 16 On (CDC) Overnmental Council of July 17, 2020 No. a care and sanitary and epidemiological rus infection COVID-19 and other the Eurasian Economic Union " was the epidemiological situation, conducting diseases, conducting joint research to the line in the pidemiological structure. The example of the pidemiological situation and the pidemiologic	Armeni a, Republi c of Belarus, Republi c of Kazakhs tan, Republi c of Kyrgyzst an, Russian Federati on	
Developer/ Govt X Description 16 "On a co well-being co infectious d published. T joint exercis develop vac Users: who Country wh Kazakhstan, Title: One rep RESPONSES - Link/Source central-asia	Partners: Centers Develop Partner : On July 20, 2020 mprehensive plan of the population to iseases in the terro This plan includes to coines and diagnos is this for, number isere this has been Republic of Kyrgy gion, one health: For this plan includes the this has been Republic of Kyrgy gion, one health: For this plan includes the this has been	for Disease Con Private Sector , the Order of the of measures in the exchange of the exchange of ponses to outbruitic test systems or of users? Eura implemented: vzstan, Russian Foreparing Central	atrol and Prevention Academia (Uni/Research) The Eurasian Intergethe field of health pread of coronavinember states of the finformation on the eaks of infectious Assian Economic Universe dereation	derr 20072020 16 On (CDC) Overnmental Council of July 17, 2020 No. a care and sanitary and epidemiological rus infection COVID-19 and other the Eurasian Economic Union " was the epidemiological situation, conducting diseases, conducting joint research to the line in the pidemiological structure. The example of the pidemiological situation and the pidemiologic	Armeni a, Republi c of Belarus, Republi c of Kazakhs tan, Republi c of Kyrgyzst an, Russian Federati on	

	(N.B.	Leadershi	Cooperation Resp p and Policy Resp gy/ Cross-Sector/		CAREC/ C COUNT RIES INVOLV ED	Late st Upd ate
-	ealth care approacl	• •	•	elivery of services that are based on ary care with public health, hospital		
	o is this for, numb	er of users? Polic	cy makers, health	care professionals		
Country v	vhere this has beer	implemented:	Central Asian Cou	ntries		

5. Paying for Services Responses

- Health Financing e.g., support from one country to another, UHC approaches
- Coverage (incl Social Protection) e.g., for those crossing borders.

	Regional Cooperation Responses Paying for Services Responses (N.B. Health Technology/ Cross-Sector/ Vulnerable Groups)					CAREC/C COUNTRIES INVOLVED	Latest Update
а	Title: ADB Br FINANCING	ings Another 10.4	4 tons of COVIE	0-19 PPE to Tajikist	an/ HEALTH	Tajikistan	
	-	: <u>http://adbmch.t</u> e-to-tajikistan/					
	Developer/P Project/ADB	-	n Maternal and	d Child Health Integ	grated Care		
	Govt Develop Private Academia Partner Sector (Uni/Research)						
	X	X					
	Description: The Asian Development Bank (ADB) has delivered another 10.4 tons of personal protective equipment for health care workers in Tajikistan to support the country's efforts in combatting the coronavirus disease (COVID-19). The medical supplies comprise aprons, face shields, goggles, face masks, headcaps, respirators, and surgical and examination gloves. In September, ADB delivered 12 tons of protective coveralls, isolation gowns, and shoe covers to the country. The goods have been procured under the \$ 928,000 grant approved by ADB for Tajikistan in July. The grant is drawn from the ADB's ongoing regional technical assistance and complements ADB's previous COVID-19 assistance to Tajikistan including a \$ 50 million budget support grant under the COVID-19 Active Response and Expenditure Support Program to help fund the government's comprehensive response plan and countercyclical measures; a \$ 2.5 million grant from the Asia Pacific Disaster Response Fund to further support the government's emergency response; and a \$ 100,000 grant reallocated from the Tajikistan Maternal and Child Health Integrated Care Project to procure medical supplies. Users: who is this for, number of users? Tajikistan Country where this has been implemented: Effect on health system resilience: strong						
b	Title: ADB's \$30 Million Grant to Support Labor Migrants, Youth, and Women in Tajikistan/HEALTH FINANING Link/Source: https://www.adb.org/news/adbs-30-million-grant-support-labor-				Tajikistan		
	migrants-youth-and-women-tajikistan						
	Developer/P	Partners: ADB					
	Govt	Develop					
	Partner Sector (Uni/Research) X X						
	Description: The Asian Development Bank (ADB) has approved a \$30 million grant to Tajikistan to strengthen the skills of the country's youth, women, and labor migrants to improve their employability and wages, and enhance the capacity of employment and migration agencies. The grant is accompanied by an additional \$1.5 million grant from the Japan Fund for Information and Communication						

	_	onal Cooperati			CAREC/C	Latest
		ing for Service	-		COUNTRIES	Updat
	(N.B. Health Tech	nology/ Cross	Sector/ Vulnerable	Groups)	INVOLVED	
be built and departing ar programs, la help migran countries. T remittance training for and equip the energy, and training, chi pilot progra	equipped in Khuj nd returning migranguage training, ts find better jobs the centers will als transmission and easier access to so tree new model " in Dangara for ag ldcare centers, ar m for new and mo	and, Bokhtar, a ants. The cente and entry-level and enable sa o provide finar information an ocial welfare in job centers" in riculture. The j d a pilot stipen ore focused sof	d program for fem	op centers for on orientation skills training to s in the destination g for safe technology (ICT) ject will establish sm, in Rogun for vide enhanced skills ale job seekers—a counseling services		
Users: who	is this for, numbe	e r of users? Taj	ikistan			
Country wh	ere this has been	implemented	: Tajikistan			
		Project Finance	es Cash Transfers to	Protect Vulnerable	Tajikistan	
Children in 1	ajikistan					
Link/Source	: https://www.wo	orldhank org/o	n/news/press-			
				ısh-transfers-to-		
	<u>release/2020/06/19/world-bank-supported-project-finances-cash-transfers-to-protect-vulnerable-children-in-tajikistan</u>					
Developer/Partners: World Bank Govt Develop Private Academia						
Govi	Partner	Sector	(Uni/Research)			
	X					
will receive assistance. T financed Taj Tajikistan's o global COVII Users: who	a one-time paymo These payments a ikistan Emergenc	ent of 500 Tajik re provided as y COVID-19 Pro ing to the heal ^s al public (famil	,	ncy social Bank- h is supporting		
Title: Kazakl	nstan provides hu	manitarian aid	to Kyrgyzstan, Tajik	kistan	Kazakhstan,	
					Kyrgyzstan	
			tion/central-asia/n	ews/kazakhstan-		
provides-hu	manitarian-aid-to	-kyrgyzstan-taj	ikistan/			
David 6	Banka - W. C.					
Developer/	Partners: Kazakhs	ı	 	1		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
Х	i ai tiiCi	Jector	(Om/Nesearch)			
^		<u> </u>				
=	: In the context of n aid to its Centra		crisis, Kazakhstan ha ors Kyrgyzstan and			

Regional Cooperation Responses Paying for Services Responses (N.B. Health Technology/ Cross-Sector/ Vulnerable Groups)	CAREC/C COUNTRIES INVOLVED	Latest Update
Users: who is this for, number of users?		

6. Other Responses

Responses that cannot be easily put into any of the categories above.

			Oth Ilth Technology	ooperation Respor ner Responses // Cross-Sector/ Vu		CAREC/C COUNTRI ES INVOLVE D	Latest Updat e
а	Title: Hack (Link/Source		Azerbaija n				
	Developer/	on (CDC)					
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Partners: Ministry of Transport, Communication and High Technologies of the Republic of Azerbaijan; UNDP; SUP.VC Description: a VIRTUAL HACKATHON to crowdsource tech solutions to help people cope with the coronavirus crisis.¹ Users: who is this for? Politicians, Health Experts Title: Covid-19 Digital Projects in Almaty City Link/Source: https://www.astanacivilservicehub.org/uploads/covid/files/COVIDHACKS%20ALMATY%20(eng%20 Version).pdf Further information: https://www.euro.who.int/en/about-us/organization/office-locations/who-european-centre-for-primary-health-care,-almaty,-kazakhstan Developer/Partners: Centers for Disease Control and Prevention (CDC)						
b							
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)			
	Partners: Do	epartment of Digit	alization of Alm	l naty, Kazakhstan			
	digital, Covi	d-19 related proje	cts which have	been implemente	hstan, provides an overview on all d to combat Covid-19.		
	Users: who	is this for? Health	experts, Polition	cians			

III. Covid-19 INNOVATION AND REGIONAL RESPONSES IN EACH CAREC COUNTRY PER TOPIC

Innovations

Preventing Transmission Innovations.

- Testing & Laboratory Capacity
- Monitoring & (Community) Surveillance
- Risk Stratification
- Health Communication
- Isolation & Quarantine
- Research Collaboration
- Vaccine Related Activities

Prevention	Innovation			CAREC country
Title: Inform	nation of the Oper	ational Headqu	Azerbaijan	
Cabinet of N	Ministers of the Re	public of		
Azerbaijan /	MONITORING AN	D SURVEILLAN		
مريده کارياد ا	n haans //wk con c	//tiele/11	F14/	
Link/Source	e: https://nk.gov.a	az/az/article/1:		
Developer/	Partners:			
	Develop	Private	Academia	
Govt	Partner	Sector	(Uni/Research)	
		555151	(0, 1.0000.0)	
Х				
		_		
-	•		the number of new	
	ases, recovered an			
	of the population	-		
-			in general number	
	ed and daily numb			
Country wh	ere innovation is	used: Azerbaija	ın	
Users: Who	is this for? Numb	er of users? un	known	
Tida, Disita	L Travel Daggerd, M	/		China
_	l Travel Record: W			China
during past	14 days/MONITO	RING AND SUR	VEILLANCE	
Link/Source	:_https://xc.caict.	ac.cn		
Developer/	Partners: CAICT			
	Develop	Private	Academia	
Govt	-			
	Partner	Sector	(Uni/Research)	
	X			
Description	: to Confirm in las	t 14 days the ci	itizens stay in safety	
cities in Green, other cities not in Green.				
Country where innovation is used: PRC				
Users: Who is this for? Number of users: patients enrolled in				
studies				
itle: Tracing	confirmed case/	MONITORING A	AND SURVEILLANCE	China
O	· -•			
Link Ic			and an arrival and the state of	
Link/Source	e: nttp://bmfw.ww	/w.gov.cn/ggjtn	ngjczcx/index.html	
				1

Developer/Partners: Tencent Inc

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)
	Х		

Description: It serves for tracing train, flight, car and liners number in and out boarders in 14 days with confirmed and suspected cases (just input name and ID number)

Country where innovation is used: PRC Users: Who is this for? Number of users?

Title: The Knowledge Centre for China's Experiences in

Response to COVID-19

Link/Source: https://covid19.alliancebrh.com

Developer/Partners: Chinese government

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
х			

Description: The State Council Information Offices briefs media and answer questions on the science-based treatment.

Country where innovation is used: China

Users: Who is this for? Media officials, scientists, health

professionals

Title: emongolia web portal/HEALTH COMMUNICATION

Link/Source: https://www1.e-mongolia.mn/home

Developer/Partners: The government of Mongolia (Communication, information technology agency of the

Government of Mongolia)

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)
х			

Description: This is a web portal which was developed by Government of Mongolia (Communication, Information and technology agency of the Government of Mongolia) to provide social services (approximately 180 types of social services) to the people of Mongolia. The web portal has COVID information section where people can get information about COVID such as symptoms, prevention and where to get service if people have symptoms and also location of COVID test and vaccine points. In addition, people can get COVID test results and COVID vaccine certificates from this web.

Country where innovation is used: Mongolia

Users: Mongolian citizens plus foreigners residing in Mongolia.

China

Mongolia

Title: Use of delivery drones for medical and biological China materials, Wuhan/China/ISOLATION AND QUARANTINE Link/Source: https://sina.cn/Index/nav?vt=4 Developer/Partners: JD Logistics; Wuhan Renhe Station; Wuhan Ninth Hospital Develop Private Academia Govt **Partner** Sector (Uni/Research) **Description:** China has been using unmanned delivery drones to deliver medical and biological materials to hospitals around Wuhan to reduce the person-to-person contact times and freeing up other logistical resources. Country where innovation is used: China Users: Who is this for? Health workforce Title: Telemedicine expanded to rural areas/MANAGING CASES China Link/Source: Telemedicine expanded to rural areas **Developer/Partners:** Private Academia Develop Govt **Partner** Sector (Uni/Research) Χ **Description:** The example of the China-Japan Friendship Hospital, which undertakes functions for the National Telemedicine and Connected Health Center. It provided longdistance diagnoses for severe COVID-19 cases in Wuhan, capital of Hubei province, earlier this year and played a key role in patients' treatment and recovery. The government will extend telemedicine coverage to all poor counties, connect long-distance diagnostic services to villages equipped to handle them and offer individuals and households access to online lessons about basic healthcare and home management of chronic disease. Country where innovation is used? China Users: Who is this for, number of users? Chinese population Title: Kazakhstan Never Sleeps/HEALTH COMMUNICATION Kazakhstan Link/Source: https://t.me/knscovid19 Developer/Partners: https://centralasiaprogram.org/archives/18399 Develop Private Academia Govt **Partner** Sector (Uni/Research) **Description:** The Telegram Channel of Physicians in Kazakhstan informs about Covid-19 related health information. Country where innovation is used: Kazakhstan Users: Who is this for? General public Title: Pakistan COVID-19 Situation Report # 16/HEALTH **Pakistan**

COMMUNICATION

Link/Source:

https://www.unicef.org/pakistan/media/2796/file/COVID-19%20SitRep%2016.pdf

Developer/Partners: UNICEF

Govt	Develop	Private	Academia
GOVE	Partner	Sector	(Uni/Research)
	Х		

Description: Overview of risk communication and community work by UNICEF, which includes coordination with various partners involved, implementing the national response through social and electronic media, data analysis, engage of religious leaders, reaching out to the at risk population through community engagement, helplines, partnerships and organization of media orientation and mobilization.

Users: Who is this for? General public and stakeholders in the field.

Title: COVID Research Repository/RESEARCH COLLABORATION

Pakistan

Link/Source:

https://www.aku.edu/mcpk/research/Pages/covid-research.aspx

Developer/Partners: Aga Khan University

Govt	Develop	Private	Academia
Govi	Partner	Sector	(Uni/Research)
			Х

Description: Aga Khan University's Faculty of Health Sciences is at the forefront of answering critical questions and creating new knowledge about the COVID-19 outbreak in Pakistan. The repository includes a summary of different research projects related to COVID-19 that are being currently undertaken by the faculty.

Country where innovation is used: Globally

Users: Who is this for? General Public and experts

How many users? N/A

Title: Pakistan in phase III trials of Chinese vaccine/RESEARCH COLLABORATION

Link/Source: http://www.xinhuanet.com/english/2021-01/19/c_139680671.htm

Developer/Partners: Public Private Partnership

	Govt	Develop	Private	Academia	
	GOVE	Partner	Sector	(Uni/Research)	
	Х		Х		

Description: CanSinoBIO COVID-19 Vaccine Phase III Clinical Trial was launched in Pakistan for the first time ever as a Public Private Partnership. The trial is being implemented successfully and the Interim Results have been analyzed by an international

Pakistan

third party and found to be very effective. The vaccine has been granted EUA in China and Pakistan and other countries on the basis of these preliminary results.

Country where innovation is used? Pakistan, Mexico, Chile, Russia, Argentina

Users: Who is this for? R&D

Number of users? 40,000 Volunteers

Lessons learned? The government needs to facilitate and encourage the international pharmaceutical community who are interested now to consider Pakistan for their Clinical Trials. The requisite regulatory framework needs to be strengthened.

Evidence of success? The Clinical trial success initiated the transfer of Vaccine Technology to Pakistan and also enabled preferential access and pricing for the finished vaccine product to Pakistan.

Title: Pakistan to locally produce China's COVID-19 vaccine Single-dose CanSino vaccine to be produced with China's help/**VACCINE RELATED ACTIVITIES**

Link/Source: https://www.aa.com.tr/en/asia-pacific/pakistan-to-locally-produce-chinas-covid-19-vaccine/2208705

Developer/Partners: NIH, CanSinoBIO, AJM Pharma

Govt	Develop	Private	Academia
Govi	Partner	Sector	(Uni/Research)
Х		Х	

Description: CanSinoBIO COVID-19 Vaccine production through shared manufacturing has been launched in Pakistan as a Public Private Partnership between the NIH, Islamabad, CanSinoBIO and AJM Pharma. The production site is the National Institute of Health.

Country where innovation is used? Pakistan

Users: Who is this for? General Public Number of users? 1.2 million doses

Lessons learned? Pakistan is ready to enter the next level of vaccine manufacturing.

Evidence of success? The first batch of locally produced 1.2 million doses have been prepared and rolled out.

Title: National Guideline for Surveillance of Adverse Events Following Immunization (AEFI) – COVID-19/VACCINE RELATED ACTIVITIES

Link: TBA

Developer/Partners: government of Pakistan, Ministry of National Health Services, Regulations and Coordination

Govt	Develop	Private	Academia
Govi	Partner	Sector	(Uni/Research)
Х			

Description: The government developed an electronic system of surveillance of adverse events following immunization and is implementing it across the country in all the licensed

Pakistan

Pakistan

Immunization centers. This is the first that an advanced pharmacovigilance system has been developed for vaccination I the country. Country where innovation is used? Pakistan Users: Who is this for? Vaccination Centers Number of users? More than 5 million so far. Lessons learned? Pharmacovigilance is a neglected sector in the regulatory system and needs to be strengthened. **Evidence of success?** Process is evolving and in progress.

Physical Infrastructure/ Workforce Capacity Innovations

- **Physical Infrastructure**
- Workforce
- Mental Health of Workforce

Physical infra	Physical infrastructure Innovation			CAREC Country	
Link:		·	ers to fight Covid-1	9/WORKFORCE ent/1681818/1681818.htm	China
Developer/F	Partners:				
Govt	Develop Partner	Private Sector	Academia (Uni/Research)		
		х			
Couriers, sar people from epidemic.	seminating gove	rnment policies transport emplo society also dev	, and sanitizing ne	eratures, screening for ghborhoods. ers, volunteers, and many or the fight against the	
-	is this for? Chine				
			expected to be rea	dv2)	
Evidence of country had	success? As of M	ay 31 2020, 8.8 ore than 460,0	1 million registere	l volunteers across the cts, rendering a total of more	
Link/Source	: w.chinadaily.com		battle virus in Wu 13/WS5e45203ca	nan/WORKFORCE 101282172775fd.html	China
Govt	Develop	Private	Academia		
GOVT	Partner	Sector	(Uni/Research)		
x					

Description: More than 180 teams comprised of over 20,000 medical workers have been dispatched from across the country to support Wuhan, the epicenter of the epidemic. The military also sent 2,600 more medical workers on Thursday. To treat the large number of critically ill patients in Wuhan, more than 7,000 of the health workers are trained in critical care, which should help reduce the mortality rate

Country where innovation is used: China Users: Who is this for? Chinese patients

Title: Guidelines for Adult Vaccination Counters (AVCs) in Pakistan/PHYSICAL

INFRASTRUCTURE DEVELOPMENT

Pakistan

Link/Source: https://www.nih.org.pk/wp-content/uploads/2021/01/20210128-Guidelines-for-Adult-Vaccination-Counters-in-Pakistan 5701.pdf

Developer/Partners: NIH, Islamabad

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
Х			

Description: In Pakistan, COVID-19 vaccination is being carried out through Adult Vaccination Counters (AVCs). As per the national decision, vaccine administration is the responsibility of the respective provincial health departments through AVCs in health facilities (tertiary, secondary level and few primary- RHCs) only. Currently 582 AVCs have been designated for COVID-19 vaccination. Every AVC must have a computer, printer, android phone, internet connectivity and consistent power supply to facilitate uninterrupted vaccination process.

Country where innovation is used: Pakistan

Users: Who is this for? Vaccination Center Management

Lessons learned? Such guidelines should have been in place for the routine vaccination in health centers.

Evidence of success? The document is used during the preparation of the licensing of the centers and during routine work.

Title: Determining psychological distress among health care workers during COVID pandemic in Mongolia/MENTAL HEALTH OF WORKFORCE

Mongolia

Link/Source: National Mental health center of Mongolia

Developer/Partners: Centers for Disease Control and Prevention (CDC)

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)
х			х

Description: This is a small-scale descriptive survey conducted by Mongolian National Mental health center to determine the causes, risk factors for psychological distress among health care providers who're working on COVID-19 response. The survey was conducted among 435 health care workers in 4 referral hospitals and in 3 isolation centers.

Users: who is this for, number of users? The survey findings are relevant for health managers and health administrators, decision makers for creating and maintaining mental health wellbeing of health workforce during crisis situations such as COVID pandemic.

Country where this has been implemented: Mongolia

Health Service Provision Innovations

- Planning Services
- Managing Essential (non-COVID) Services Managing (COVID) Cases
- Community Engagement

Health Servi	Health Service Provision Innovation			CAREC Country	
Tial c - 5				China	
litie: Fango	Title: Fangcang Shelter Hospitals/PLANNING SERVICES				China
Link/Source	e: https://www.the	elancet.com/jo	urnals/lancet/artic	le/PIIS0140-	
6736(20)308	864-3/fulltext				
Davelener/	Dauta aug. Chinosa	government			
Developer	Partners: Chinese Develop	Private	Academia		
Govt	Partner	Sector	(Uni/Research)		
х					
Fangcang Sh built within moderate C Country wh	nelter Hospitals, pr three weeks to isc	rovided beds to plate, treat, and used: China	19, temporary trea admit all confirme I triage patients wi	ed cases. They were	
Oscis. Wilo	is this for: enimes	C CITIZCIIS			
Title: Bigger	role for TCM urge	ed in disease co	ontrol /MANAGING	CASES	China
Link/Source		/ /20200F /2	0 /MCCf0-1 d- 21	2-0-2444 F0f-df bened	
nttps://www	w.cninadaliy.com.d	:n/a/202005/2	8/W35ect0c1da31	Da8b241158fdf.html	
Developer/	Partners:				
Govt	Develop	Private	Academia		
	Partner	Sector	(Uni/Research)		
Х			X		
be able to a also be inclu therapies, so president of "TCM has pl Hubei proving contribute t	ppear on the front uded as designated o effective experie f Tianjin University layed a very impor nce, and the good o an improved res	t line at the ear d hospitals so pences can be profered of Traditional tant role in epi practices shou ponse to publi	encies, TCM practit diest time, and TCM atients can be trea omoted quickly," s Chinese Medicine. demic control in W ld be summarized c health emergenc	I hospitals should ted with TCM aid Zhang, also uhan, capital of so they can	
-	ere innovation is				
	is this for, numbe				
Title: Telem	nedicine expanded	i to rural areas,	/MANAGING CASE	5	China
Link/Source: Telemedicine expanded to rural areas					
Developer/	1		T		
Govt	Develop Partner	Private Sector	Academia (Uni/Research)		
Х			x		
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Description: The example of the China-Japan Friendship Hospital, which undertakes functions for the National Telemedicine and Connected Health Center. It provided long-distance diagnoses for severe COVID-19 cases in Wuhan, capital of Hubei province, earlier this year and played a key role in patients' treatment and recovery.

The government will extend telemedicine coverage to all poor counties, connect long-distance diagnostic services to villages equipped to handle them and offer individuals and households access to online lessons about basic healthcare and home management of chronic disease.

Country where innovation is used? China

Users: Who is this for, number of users? Chinese population

Title: Pakistan develops NIMS to manage COVID-19 vaccine supply/**PLANNING SERVICES**

Pakistan

Link/Source: https://www.brecorder.com/news/40045867

Developer/Partners: NOCN, NADRA, NITB

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
		Х	

Description: To manage the supply of coronavirus vaccine, Pakistan has developed the National Immunization Management System (NIMS). The system developed by the National Command and Operation Centre (NCOC) would ensure efficient supply chain management and administration of COVID-19 vaccine in the country. The initiative had been taken in collaboration with Ministry of Health, National Database Registration Authority (NADRA) and National Information Technology Board (NITB), it was told in an NCOC meeting on Wednesday.

Country where innovation is used? Pakistan

Users: Who is this for, number of users? Government and its partners.

Lessons learned? The system is working smoothly.

Evidence of success? It is successful as the national vaccination roll-out is proceeding smoothly across the country using this system and is being appreciated by the public.

Title: How telemedicine is helping in the fight against COVID-19 (and why it should be here to stay)/MANAGING CASES

Pakistan

Link/Source:

https://www.pk.undp.org/content/pakistan/en/home/blog/2020/how-telemedicine-is-helping-in-the-fight-against-covid-19--and-w.html

Developer/Partners: UNDP, Sehat Kahani (health tech social enterprise with a network of 27 e-clinics across Pakistan)

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
	х	х	

Description Like in many other countries, patients in Pakistan are scared to visit hospitals to avoid COVID exposure. Elderly, pregnant women, and patients with pre-existing health conditions are at higher risk while also being more in need of medical help at all times. During this time of the ongoing pandemic, telemedicine is playing a pivotal role in acting as an enabler to help many patients in need. The United Nations Development Programme (UNDP) Pakistan has partnered with Sehat Kahani to connect patients to qualified doctors via a telemedicine based mobile and web solution— to accelerate the efforts to support Pakistan's healthcare system. To bring quality medical practice to Pakistan and further make the healthcare services more accessible

for all, physicians and specialists of Pakistani origins were reached out through Yaran-e-watan to continue their practice through telemedicine platform. More than 30 consultants trained in pulmonology and critical care among other specialties joined the application during this critical time. The mobile application was made free for accessing tele-consultations so that the patients could avail health services through their smartphones within the vicinity of their homes.

Country where innovation is used: Pakistan n Globally

Users: General Public

Lessons learned? Widespread use of Tele-medicine during the pandemic has proved that it is a very tool which can be very user friendly both the physicians as well as the patients.

Evidence of success? Widespread use of this mode of medical treatment is the evidence of its success.

Title: National Command and Operations Center/MANAGING CASES

Pakistan

Link/Source: https://ncoc.gov.pk/govt-initiatives.php

Developer/Partners: government of Pakistan

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)
Х			

Description: The National Command and Operations Center is the nerve center of the national COVID response. The NCOC has introduced several IT based initiatives to help the public gain better access of the COVID related services being offered by the government. The IT initiatives include Apps related to SOPs Violation registry, Smart Lockdowns, Resource management System, Pak Neghayban App, Integrated Disease Information Management System, Educational Institute Management System, ntional Helpline, Telehealth Portal, 1166, Isolation Hospital & Infection treatment center, Community Mobilization, PM relif Fund, WeCare, Tiger Force, Ehsas programme, Yaran-e-watan.

Users: who is this for, number of users? General Public Country where this has been implemented: Pakistan

Effect on health system resilience: The system absorbed this new technology quite seamlessly.

Lessons learned/Evidence of success: There is a huge potential for IT technology use in the medical healthcare sector in the country.

Title: Overview of Isolation and Quarantine facilities in Pakistan/MANAGING

CASES

Pakistan

Link/Source: https://covid.gov.pk/facilities/List%20of%20Province-wise%20COVID-19%20Quarantine%20Facilities%20Pakistan.pdf

Developer/Partners: Government of Pakistan

Govt	Develop Partner	Private	Academia
Govi		Sector	(Uni/Research)
Х			

Description: The government established a nationwide network of Isolation and Quarantine facilities across the country in various large public facilities and private buildings and equipped them accordingly to prepare for any large-scale eventuality.

Country where innovation is used: Pakistan

Users: Who is this for? General Public

Number of users? unknown

Lessons learned? Contingency plans for creation of such facilities should be
developed which can be used to prepare such centers at short notice in case of
need.
Evidence of success? Development of these facilities were well publicized in the
national media and received appreciation from the public. The sites developed
were used to a limited extent especially in the start of the pandemic.

Leadership and Policy Innovations

This may include aspects of the following:

- Policy Capacity/Task Force Approach
- Systematic Capacity Approach
- Key Measures (Lockdowns etc.)
- Creation of Transition Plans
- Communication Strategy
- Responding to vulnerable groups

Regional Responses	CAREC country

Paying for Services Innovations

This may include aspects of the following:

- Health Financing
- Coverage (incl Social Protection)

Regional Responses	CAREC country

Other Innovations

Innovations that cannot be easily put into any of the categories above.

Other innov	ther innovations			CAREC countries
Title: Intern	Fitle: Internet firms provide aid for merchants			China
		:hinadaily.com.cn/bjzpark/2	<u>020-</u>	
02/18/c 460	<u>0928.htm</u>			
Developer/I	Partners: internet	companies		
Court	Develop	Private	Academia	
Govt	Partner	Sector	(Uni/Research)	
	x			
Description	: Measures include	e expense reduction, financi	ial and logistics	
support, dat	ta flow information	n sharing and health protect	tion.	
Chinese inte	ernet companies (J	lingdong, Alibaba, Meituan	.) are reducing or	
scrapping co	scrapping commission fees, extending payment deadlines and providing			
	loans with low interest rates for merchants on their platforms to help the			
latter allevia	ite pressure cause	ed by the difficult situation re	esulting from the	
novel coron	avirus outbreak.			
Users: who	is this for, numbe	r of users? Chinese citizens		

Country where this has been implemented: China	

Regional Responses

Preventing Transmission Responses

- Testing & Laboratory Capacity e.g. if countries sent samples across borders
- Surveillance Responses e.g., sharing information
- Health Communication e.g., shared key messages between countries, or in cross-border areas
- Isolation & Quarantine e.g., joint agreements, clear & accessible guidelines for travelers
- Research Collaboration e.g., for studying effect of testing or quarantine or vaccines
- Vaccine Related Activities e.g.. cross-border collaboration/joint statements/ joint regional policies, research, joint procurement/manufacturing initiatives

Regional Responses				CAREC Country
Title: Eurasia Lab & Fellowship Program/TESTING				Eurasia region
Link/Source: http://iep-berlin.de/en/research/enlargement-neighbourhood-and-central-asia/eurasia-lab-fellowship-program/				
Developer/Partners: Centers for Disease Control and Prevention CDC)				
Govt	Develop Partner	Private Sector	Academia (Uni/Research)	
major netwo on Eurasia. I stakeholder: actors worki workshop to researchers Users: who working on I Title: Centra Program (FE	ork of researcher The program shows and therefore so ing on Eurasia. Are ordiscuss the imploworking in and or is this for? resease Eurasia Al Asia Field Epide ELTP)/TESTING Https://www.us Partners: Centers	s, practitioners a uld increase its of erve as a major mong other, the lication of the Con Eurasia. Trichers, practition emiology and Lab	ntrol and Prevention	Azerbaijan Georgia Afghanistan Kazakhstan Kyrgyzstan Pakistan
Govt	Develop Partner	Private Sector	Academia (Uni/Research)	Uzbekistan
and Public H network of 7 Programs st 100 countrie Ukraine, and and Uzbekis Epidemiolog	lealth Intervention 75 Field Epidemic rengthening publics. Some CAREC of in Afghanistan, tan) have implem gy and Laboratory	ons Network (TEI blogy Training lic health system countries (Azerba Kazakhstan, Kyra nented the Centi y Training Progra	gyzstan, Pakistan,	

Health Interventions Network (<u>TEPHINET</u>). FELTP is a two-year training and service project designed for health professionals in entry and mid-level positions to build skills in applied epidemiology, surveillance, and enhanced public-health practice.

Users: who is this for? Eurasian health workforce

Title: SCO: Overview of Advanced Measures Taken by SCO Member States to Counter the Spread of COVID-19

Link/Source: http://eng.sectsco.org/documents/

Developer/Partners: SCO member states

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
Х			

Description: Presented are the measures taken by the SCO member states to counter the spread of COVID-19 to accumulate the most effective practices and positive experience. Information on the SCO member states is presented in accordance with the following sections: ensuring coordination and planning of actions at the country level; informing the public about the risks; providing surveillance, organizing rapid response teams (RRT) and investigating cases of COVID-19 infection; control at points of entry into the country; organization of the work of national laboratories; prevention of infection of medical workers and uninfected citizens; organization of medical care for patients with COVID-19; logistic support for operational measures.

Users: who is this for? Health experts, politicians

Country where this has been implemented: Republic of Kazakhstan, the People's Republic of China, the Kyrgyz Republic, the Russian Federation, the Republic of Tajikistan, the Republic of Uzbekistan

China, Pakistan

Kazakhstan

Tajikistan Uzbekistan

China Kyrgyzstan

Title: NIH obtains formal approval from regulatory body for Phase III clinical trial of Covid-19 vaccine/VACCINE RELATED ACTIVITIES, RESEARCH COLLABORATION

Link/Source: https://www.dawn.com/news/1574929

Developer/Partners: NIH Pakistan, CanSinoBio (China-based vaccine developer), Beijing Institute of Biotechnology

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
Х		Х	Х

Description: A Phase III COVID Vaccine Global Clinical Trial was launched from Pakistan in August 2020. The first ever such clinical trial in Pakistan has opened the doors of international clinical trials in the country. This scientific collaboration with China will go a long way building the capacity of the local experts and institutions in this hitherto untapped potential of scientific research and foreign exchange earning sector.

Users: who is this for, number of users? Pakistani experts **Country where this has been implemented**: Pakistan

Effect on health system resilience: The system has benefitted due to emphasis on quality, documentation, M&E etc involved in the Clinical Trial process.

Lessons learned, evidence of success: The national health sector has immense potential to conduct clinical trials to generate national evidence, improve the medical system and generate foreign investments without a single penny investment from the government.

Physical Infrastructure/ Workforce (Human Resources) Capacity

- Physical Infrastructure (Buildings & Equipment) e.g., sharing/donating equipment, access to certain health facilities for patients across borders
- Workforce capacity e.g., sharing of health staff esp. in Intensive Care Units
- Capacity Building e.g., training provided from one country to another
- Telemedicine e.g. using telemedicine and virtual care for remote treatments (video telemedicine visits)
- Strengthening mental Health of Workforce

	sponses	CAREC country			
Title: Chinese medical experts arrive in Tajikistan to assist anti-epidemic					China
fforts/CAP/	ACITY BUILDING				Tajikistan
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ink/Source	: http://www.xin	huanet.com/en	glish/2020-05/24/	139084348.htm	
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) Developer/i	Partners: Chinese	Embassy in Tai	ikistan/Handout vi	a Xinhua	
	Develop	Private	Academia		
Govt	Partner	Sector	(Uni/Research)		
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	-	• •	Dushanbe Internati		
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				oidemic. Invited by	
-	-		northwestern Sha	·	
				eases, intensive care,	
•	-		fectious diseases p		
control.		,	·		
Jsers: who	is this for, numb	er of users? NA			
	ere this has been		Tajikistan		
		-	-	CAPACITY	China
itle: Chinese experts join Azerbaijan virus battle/WORKFORCE CAPACITY			,		Azerbaijan
				Azerbaijan	
: I- /c					
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-		cn/a/202008/06	5/WS5f2b76e9a31	083481725e9ce.html	
ttps://www	v.chinadaily.com.	cn/a/202008/06	5/WS5f2b76e9a31	083481725e9ce.html	
ttps://www	v.chinadaily.com. Partners:			083481725e9ce.html	
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Developer/F Govt	v.chinadaily.com. Partners: Develop Partner	Private Sector	Academia		

opportunity to learn more about the pandemic conditions in Azerbaijan, shared COVID-19 treatment experience with their counterparts in the country, and promoted bilateral cooperation in medical and healthcare matters. Users: who is this for, number of users? Patients in Azerbaijan Country where this has been implemented: Azerbaijan Title: China, Azerbaijan jointly fight the outbreak/PHYSICAL INFRASTRUCTURE China Azerbaijan Link/Source: https://global.chinadaily.com.cn/a/202004/17/WS5e98e61fa3105d50a3d16c94.html **Developer/Partners:** Develop **Private Academia** Govt **Partner** (Uni/Research) Sector Χ х Description: Local authorities and public organizations in Azerbaijan, including the Sumgait Executive Authority, Nizami Ganjavi International Center and the Heydar Aliyev Foundation have supplied face masks, gloves and other necessary medical equipment to China. Also, as an expression of friendship, China provided Azerbaijan with 5,000 test kits. Users: who is this for, number of users? Citizens of Azerbaijan, citizens of China Country where this has been implemented: China and Azerbaijan Title: China and Pakistan joined hands to fight coronavirus/PHYSICAL China **INFRASTRUCTURE Pakistan** Link/Source: https://www.chinadaily.com.cn/a/202005/18/WS5ec220d0a310a8b2411567de.html **Developer/Partners:** Academia Develop **Private** Govt **Partner** Sector (Uni/Research) Х **Description**: The Chinese medical teams provided logistical support to Pakistan since the global pandemic started in late February or early March 2020. The Senate of Pakistan passed a resolution unanimously on February 10 to express solidarity with China over the fight against the COVID-19 outbreak. Taking note of China's strong support and timely assistance to Pakistan during the current COVID-19 crisis, the Senate, Pakistan's upper house of parliament, expressed its deep appreciation to the Chinese government and the Chinese people for their unflinching role as allweather friends of Pakistan. The cooperation between both countries has continued in every field. Users: who is this for, number of users? Citizens of Pakistan Country where this has been implemented: Pakistan Title: China and Pakistan joined hands to fight coronavirus/PHYSICAL **INFRASTRUCTURE** Link/Source: https://www.chinadaily.com.cn/a/202005/18/WS5ec220d0a310a8b2411567de.html **Developer/Partners:** Develop **Private Academia**

(Uni/Research)

Govt

Partner

Sector

Description: The Chinese medical teams provided logistical support to Pakistan since the global pandemic started in late February or early March 2020. The Senate of Pakistan passed a resolution unanimously on February 10 to express solidarity with China over the fight against the COVID-19 outbreak. Taking note of China's strong support and timely assistance to Pakistan during the current COVID-19 crisis, the Senate, Pakistan's upper house of parliament, expressed its deep appreciation to the Chinese government and the Chinese people for their unflinching role as allweather friends of Pakistan. The cooperation between both countries has continued in every field. Users: who is this for, number of users? Citizens of Pakistan Country where this has been implemented: Pakistan Title: Builders of Silk Road of health/PHYSICAL INFRASTRUCTURE China Kazakhstan Link/Source https://www.chinadaily.com.cn/a/202010/14/WS5f863c0ea31024ad0ba7e79f.html **Developer/Partners:** Develop **Private Academia** Govt **Partner** Sector (Uni/Research) Х **Description**: When the pandemic broke out in China in January, the Kazakh government and social forces provided China with anti-pandemic supplies such as masks and medicines through various channels. After the virus hit Kazakhstan in March, China donated a large quantity of medicines, masks, ventilators and other medical materials. Within its capacity, China will continue to assist Kazakhstan in the anti-virus fight, including assisting it with the procurement of medical materials, expert training, experience sharing and medicine development. China will also accelerate the establishment of an information notification mechanism for major pandemic diseases. Users: who is this for, number of users? Citizens from China and Kazakhstan Country where this has been implemented: China and Kazakhstan Title: Video Diagnosis Conference of TCM experts with SCO countries' China experts/CAPACITY BUILDING Kazakhstan Kyrgyzstan Link/Source: http://www.gov.cn/xinwen/2020-05/10/content 5510327.htm#1; Pakistan http://eng.sectsco.org/about sco/ **Tajikistan** Uzbekistan **Developer/Partners:** Develop **Private** Academia Govt Partner Sector (Uni/Research) Description: tele-diagnosis during video conference with Shanghai Cooperation Organization (SCO) member countries to cope with COVID-19 Country where innovation is used: SCO countries Users: Who is this for? Citizens of SCO countries Title: Pakistan to begin local vaccine production from May/CAPACITY BUILDING China **Pakistan** Link/Source: https://www.thenews.com.pk/latest/827439-pakistan-to-begin-localvaccine-production-from-may Developer/Partners: NIH Pakistan, CanSinoBIO

Court	Develop	Private	Academia		
Govt	Partner	Sector	(Uni/Research)		
Х		Х		j	
CanSinoBIO CanSinoBIO building the the NIH facil under-utilize extent only. Users: who Country wh Effect on he	: The National Inst COVID vaccine in experts through P capacity of the NI lity but also other ed and used for on is this for, numbe here this has been ealth system resilion	its Sera Laborate Public Private Pa IH experts to no essential vaccin ally vaccine filling er of users? implemented: If ence: Reliance t	ory with the techr irtnership. The Chi it only produce the ies. Earlier the NIF g and labeling and Pakistan to be reduced on v	i	
	rned/Evidence of		_	,	
	eloping the local v				
	ation Bureau: coop		rder countries to		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OVID-19 /ISOLATION AND QUARANTINE				
Link/Source	Link/Source https://www.sohu.com/a/391708941 120229638				
Developer/I				_	
Govt	Develop Partner	Private Sector	Academia (Uni/Research)		
х	raithei	Sector	(Only Research)		
border in fig to exchange on cases, cu for passenge Regular exch	: China Immigration in the control of the control o	L) Set up informa ss the boards by pronavirus meas with the same co learnt and exper	ation exchange sy y online audio or v ures etc. 2) jointly ntrol measures;3) rience acquired to	· i	
Users: who	Users: who is this for, number of users? Border countries of China				
			Borders countries		

Health Services Provision Responses

- Planning & Managing Services e.g., shared experience or training of managers
- Health facility management of COVID patient-care services e.g., any support from 1 country to another
- Health facility management of (non-COVID) essential patient-care services e.g., any support from 1 country to another.

Regional Responses	CAREC country
Title: Uzbekistan sent another batch of humanitarian aid to Tajikistan (Ru version)/HEALTH	Uzbekistan
FACILITY MANAGEMENT	Tajikistan
Link/Source:	
https://cis.minsk.by/news/14769/uzbekistan napravil v tadzhikistan ocherednuju partiju gu	
<u>mpomoschi</u>	

Developer/Partners: The government of the Republic of Uzbekistan

Govt	Develop Partner	Private Sector	Academia (Uni/Resea rch)
Х			

Description: A freight train with another consignment of humanitarian aid arrived in the neighboring republic. The train departed from the Surkhandarya region to Dushanbe, delivering a large consignment of medical products, protective equipment and food products, including a thousand tons of flour.

Also, in early May, Uzbek doctors were sent to the Sughd region of Tajikistan to help colleagues overcome the spread of coronavirus in the country. The team was headed by the Honored Doctor of Uzbekistan Nematjon Ibragimov. The medical staff also included an epidemiologist, virologist and two anesthesiologists. They held a series of scientific conferences, shared their experience of overcoming the epidemiological crisis in Uzbekistan, talked about measures to prevent the spread of COVID-19. Uzbekistan also helped Tajikistan build a mobile hospital in Dushanbe.

Users: who is this for, number of users? General public Country where this has been implemented: Tajikistan

Title: Uzbekistan built a medical complex in the south of Tajikistan/HEALTH FACILITY

MANAGEMENT

Uzbekistan Tajikistan

Link/Source:

https://cis.minsk.by/news/18137/uzbekistan postroil na juge tadzhikistana medicinskij kom pleks#

Developer/Partners:

Govt	Develop Partner	Private Sector	Academia (Uni/Resea rch)
Х			

Description: Construction of a modern medical complex in Kubodiyon in the south of Tajikistan, with an additional receiving-distributor for patients with COVID-19, it is ready to receive patients. The equipment, as well as the construction of the complex, was carried out by Uzbekistan through financing from Uzbekneftegaz, a source in the Tajik government told Asia-Plus.

The construction of the center is one of the projects of the Uzbek authorities approved during the visit of the President of the Republic of Uzbekistan Shavkat Mirziyoyev to Dushanbe in March 2018. In addition, within the framework of the agreements, with the financing of Uzbekistan in the Spitamen district of Sogd in September 2020, a new school for 630 students was commissioned. In response, the Tajik authorities announced that they would build a school for 640 students in Samarkand and a kindergarten in the Fergana region. The corresponding order was signed by the President of Tajikistan Emomali Rahmon in March 2018.

Users: who is this for? General public

Country where this has been implemented: Uzbekistan and Tajikistan.

Title: TAJIK MIGRANTS RETURN HOME/PATIENT CARE SERVICES

Uzbekistan, Kazakhstan Tajikistan

Link/Source: https://www.usaid.gov/tajikistan/program-updates/aug-2020-tajik-migrants-returnhome

Developer/Partners:

Govt	Develop Partner	Private Sector	Academia (Uni/Resea rch)
Х	Х		

Description: In June 2020, USAID in partnership with the International Organization for Migration, assisted more than 600 Tajik migrants stranded at the Kazakh-Uzbek border to safely return

					T
	•	•	•	ren, and students made the 180-km stan, through Uzbekistan to Tajikistan.	
	•	vas closely coor	dinated with th	e governments of Kazakhstan,	
	and Tajikistan.				
	is this for? Migra	-			
Country who	ere this has been	implemented:	Tajikistan		
		China builds m	akeshift hospit	l to treat patients/HEALTH FACITLIY	China
MANAGEMEI	NT				Pakistan
-				ny-politics/coronavirus-in-pakistan-	
china-builds	<u>-makeshift-hospi</u>	tal-to-treat-pati	ents/story/399	<u>730.html</u>	
Developer/F	Partners: Chinese	e government, g	overnment of I	akistan	
	Develop	Private	Academia		
Govt	Partner	Sector	(Uni/Resea rch)		
- V			TCII)		
Х					
Description:	China provided	sunnort to Pakis	tan to manage	the COVID pandemic by providing PPE,	
-	quipment etc, an	• •	_		
Users: who	is this for, numb	er of users? Ger	neral Public		
Country who	ere this has been	implemented:	Pakistan		
Effect on he	alth system resil	ience: Strength	ened the gover	nment efforts to streamline its	
defenses aga	ainst the COVID p	andemic.			
	-		capacity and re	sources for disaster management	
needs to be	developed and st	trengthened.			

Leadership and Policy Responses

- Policy Responses between countries e.g., joint statements and declarations, joint strategies,
- Key Measures e.g., coordination of lockdowns, travel restrictions/bridges
- Communication Strategy e.g., shared between countries
- Specific policy for responding to vulnerable groups e.g., policy for elderly, women, children, and persons with disabilities & communities residing in border areas.

Regional Res	CAREC country				
Title: United Nations Special Programme for Economies of Central Asia (SPECA)/POLICY CAPACITY					Afghanistan
					Azerbaijan
Link/Source: https://www.unescap.org/events/2020speca-ef					Kazakhstan
					Kyrgyzstan
Developer/I	Developer/Partners: Centers for Disease Control and Prevention (CDC)				
Govt	Develop Partner	Private Sector	Academia (Uni/Resea rch)		Turkmenistan, Uzbekistan
Х			·		
system, and	other relevant st	akeholders to re		by Governments, the United Nations socioeconomic impacts of COVID-19.	
Users: who is this for, number of users? Country where this has been implemented: Afghanistan, Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan, under the chairmanship of Kyrgyzstan; representatives of United Nations agencies and programmes, relevant international and regional organizations, international financial institutions, and donors.					

	nub ili kyrgyzstan	and Georgia to	boost Covid-1	9 response in the region/POLICY	Kyrgyzstan
CAPACITY					Georgia
.ink/Source	e: https://www.eu	ıro.who.int/en/	health-topics/l	Health-	
		:020/12/who-h	ubs-pool-resou	rces-in-the-european-region-to-	
oost-covid	-19-response				
Developer/	Partners: Centers	for Disease Co	ntrol and Preve	ention (CDC)	
Govt	Develop Partner	Private Sector	Academia (Uni/Resea rch)		
х			1011)		
according to assessment preparedne public healt	o each country's s s assist countries ss, as well as pror h.	ocioeconomic r in developing the moting intensive	eality and need neir health syst e and fit-for-pu	lines and tools are optimized ds. On-the-ground scientific ems and improving emergency rpose activities in every aspect of	
			· ·	sionals in the region	
=		-	WHO/Europe	in Kyrgyzstan, Georgia, and Serbia	
	ealth system resili	_	Control Asia Liv	b, Kyrgyzstan successfully presented	
its evidence platform, fo helped othe	-based preparedr llowing an assess	ness and respor ment by expert upport from re	ise plan to inte s in emergencio gional partners	rnational partners via the hub es. This ability to mobilize resources , allowing them to improve surge	
			,		
	Eurasia Week/PC	LICY CAPACITY			Mongolia
Title: OECD	Eurasia Week /PC e:_https://www.oe				Mongolia Tajikistan, Turkmenistan, Uzbekistan, Afghanistan
Title: OECD	e:_https://www.oe	ecd.org/eurasia	-week/		Tajikistan, Turkmenistan,
Title: OECD	e:_https://www.oe Partners: Centers	ecd.org/eurasia for Disease Co	-week/ ntrol and Preve		Tajikistan, Turkmenistan, Uzbekistan, Afghanistan
Title: OECD	e:_https://www.oe Partners: Centers Develop	ecd.org/eurasia for Disease Co Private	-week/		Tajikistan, Turkmenistan, Uzbekistan, Afghanistan Armenia
Title: OECD Link/Source Developer/	e:_https://www.oe Partners: Centers	ecd.org/eurasia for Disease Co	-week/ ntrol and Preve Academia		Tajikistan, Turkmenistan, Uzbekistan, Afghanistan Armenia Azerbaijan
Title: OECD Link/Source Developer/	e:_https://www.oe Partners: Centers Develop	ecd.org/eurasia for Disease Co Private	-week/ ntrol and Preve Academia (Uni/Resea		Tajikistan, Turkmenistan, Uzbekistan, Afghanistan Armenia Azerbaijan Georgia
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Developer/ Govt Description practices and change and Users: who Country wh Tajikistan, T Georgia, Kaz itle: The Cer CALPESD)/LE	Partners: Centers Develop Partner : During the meet ad experiences in a competitiveness, is this for? Politic ere this has been furkmenistan, Ukr zakhstan, Kyrgyzs entral Asian Leader EADERSHIP AND F	for Disease Colors Private Sector Se	h-level policy demonstration, and nt experts form 13 countries - n, Afghanistan, of education for ISES	ialogue discussions to share best in the region take place (policy sustainable development). In Eurasia Mongolia, Republic of Moldova, Armenia, Azerbaijan, Belarus, sustainable development	Tajikistan, Turkmenistan, Uzbekistan, Afghanistan Armenia Azerbaijan Georgia Kazakhstan Kyrgyzstan Kazakhstan Kyrgyzstan Tajikistan, Turkmenistan Uzbekistan
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Title: OECD Link/Source Developer/ Govt Description practices and change and Users: who Country wh Tajikistan, T Georgia, Kaz itle: The Cer CALPESD)/LE Link/Source (CALPESD) (Developer/	Partners: Centers Develop Partner : During the meet ad experiences in a competitiveness, is this for? Politic ere this has been furkmenistan, Ukr zakhstan, Kyrgyzs entral Asian Leader EADERSHIP AND F	for Disease Colors Private Sector Se	h-level policy d mon challenge rsification, and nt experts form 13 countries - n, Afghanistan, of education for ISES	ialogue discussions to share best in the region take place (policy sustainable development). In Eurasia Mongolia, Republic of Moldova, Armenia, Azerbaijan, Belarus, sustainable development	Tajikistan, Turkmenistan, Uzbekistan, Afghanistan Armenia Azerbaijan Georgia Kazakhstan Kyrgyzstan Kazakhstan Kyrgyzstan Tajikistan, Turkmenistan Uzbekistan

Description: Develop leadership cadre in the region

Users: who is this for, number of users? Politicians

Country where this has been implemented: Afghanistan, Azerbaijan, Kazakhstan, Kyrgyzstan,

Tajikistan, Turkmenistan, and Uzbekistan

Title: CIS draft Statement of the heads of state on cooperation in the field of biological

safety/POLICY RESPONSES

Link/Source:

https://cis.minsk.by/news/18718/v sng razrabatyvaetsja proekt zajavlenija glav gosudarstv o sotrudnichestve v oblasti obespechenija biologicheskoj bezopasnosti

Armenia Kazakhstan Kyrgyz Republic **Tajikistan** Uzbekistan

Azerbaijan

Developer/Partners: Rospotrebnadzor, Russia Federation

Govt	Develop Partner	Private Sector	Academia (Uni/Resea rch)
Х			

Description: The Coordinating Council on the Problems of Sanitary Protection of the Territories of the CIS Member States provides organization and maintenance of the functioning of the system of interstate information exchange about emergencies in the field of public health of a sanitary and epidemiological nature; assistance in the implementation in the CIS space of the International Health Regulations (2005). In the period 2000–2020 constant active work was carried out to ensure the regulatory and methodological base in the field of sanitary protection of the territories of the CIS member states, epidemiological surveillance of especially dangerous infectious diseases, and ensuring biological safety. In recent years, the Coordinating Council has been actively increasing its efforts to further develop international cooperation, strengthen scientific and practical interaction, pool the efforts of the CIS countries in the implementation of the International Health Regulations (2005), ensure the sanitary and epidemiological well-being of the population and biological safety.

In 2020, six extraordinary meetings of the Coordination Council were held in the format of a videoconference to exchange practical experience and up-to-date information on measures to combat the new coronavirus infection. The meetings were held on March 19, April 21, June 1, August 5, September 25, December 21, 2020. They were attended by members of the Coordination Council and representatives of relevant departments and organizations from the Republic of Azerbaijan, the Republic of Armenia, the Republic of Belarus, the Republic of Kazakhstan, the Kyrgyz Republic, the Republic of Moldova, the Russian Federation, the Republic of Tajikistan, and the Republic of Uzbekistan.

Users: who is this for, number of users? CIS members: Republic of Azerbaijan, the Republic of Armenia, the Republic of Belarus, the Republic of Kazakhstan, the Kyrgyz Republic, the Republic of Moldova, the Russian Federation, the Republic of Tajikistan and the Republic of Uzbekistan.

Country where this has been implemented: CIS members

Title: Comprehensive plan of measures in the field of health care and sanitary and epidemiological well-being of the population to prevent the spread of coronavirus infection COVID-19 and other infectious diseases in the territories of the member states of the Eurasian **Economic Union/POLICY RESPONSES**

Armenia Kazakhstan Kyrgyzstan

Link/Source: https://docs.eaeunion.org/docs/ru-ru/01426846/err 20072020 16

Developer/Partners: Centers for Disease Control and Prevention (CDC)

Govt	Develop Partner	Private Sector	Academia (Uni/Resea rch)
Х			

Description: On July 20, 2020, the Order of the Eurasian Intergovernmental Council of July 17, 2020 No. 16 "On a comprehensive plan of measures in the field of health care and sanitary and epidemiological well-being of the population to prevent the spread of coronavirus infection COVID-19 and other infectious diseases in the territories of the member states of the Eurasian

Economic Union " was published. This plan includes the exchange of information on the epidemiological situation, conducting joint exercises to develop responses to outbreaks of infectious diseases, conducting joint research to develop vaccines and diagnostic test systems.	
Users: who is this for, number of users? Eurasian Economic Union	
Country where this has been implemented: Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Kyrgyzstan, Russian Federation	

Paying for Services Responses

This may include aspects of the following:

- Health Financing eg support from one country to another, UHC approaches
- Coverage (incl Social Protection) eg for those crossing borders.

Regional Re	sponses			CAREC country
	Title : ADB Brings Another 10.4 tons of COVID-19 PPE to Tajikistan/ HEALTH FINANCING			Tajikistan
	Link/Source: http://adbmch.tj/en/2020/10/30/adb-brings-another-10-4-tons-of-covid-19-ppe-to-tajikistan/			
_	Partners: Tajikista Care Project/ADB	n Maternal and	Child Health	
Govt	Develop Partner	Private Sector	Academia (Uni/Research)	
Х	X			
another 10. care worker combatting supplies conheadcaps, respectively. September, isolation gothave been padded for Tajiongoing regions Comillion budg Response and government countercycl Pacific Disas government reallocated	Description: The Asian Development Bank (ADB) has delivered another 10.4 tons of personal protective equipment for health care workers in Tajikistan to support the country's efforts in combatting the coronavirus disease (COVID-19). The medical supplies comprise aprons, face shields, goggles, face masks, headcaps, respirators, and surgical and examination gloves. In September, ADB delivered 12 tons of protective coveralls, isolation gowns, and shoe covers to the country. The goods have been procured under the \$ 928,000 grant approved by ADB for Tajikistan in July. The grant is drawn from the ADB's ongoing regional technical assistance and complements ADB's previous COVID-19 assistance to Tajikistan including a \$ 50 million budget support grant under the COVID-19 Active Response and Expenditure Support Program to help fund the government's comprehensive response plan and countercyclical measures; a \$ 2.5 million grant from the Asia Pacific Disaster Response Fund to further support the government's emergency response; and a \$ 100,000 grant reallocated from the Tajikistan Maternal and Child Health Integrated Care Project to procure medical supplies.		pment for health ntry's efforts in 9). The medical es, face masks, ination gloves. In the coveralls, try. The goods of approved by from the ADB's inplements ADB's cluding a \$50 colors of the fund the eand of the fund the eand the colors of	
	\$30 Million Grant			Tajikistan
	Women in Tajikista		• .	
=	e: https://www.ad ort-labor-migrants-			
Developer/	Partners: ADB			

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
Х	X		
a \$30 millio country's yo employabili employmen accompanie Japan Fund to be admin centers will Vose as one The centers language training to hiving conditalso provide transmission (ICT) trainin The project centers" in Dangara for skills trainin for female jufocused sofi interests an respective s Users: who Country wh	on grant to Tajikist outh, women, and ity and wages, and and migration are do by an additional for Information and istered by ADB. To be built and equiverstop centers for swill offer migrations in the destinations in the destinations in the destinations in the destination and information and information are financial literacy on and information are for easier access will establish and Dushanbe for tour agriculture. The log, childcare center to seekers—a pilot skills training, jour deskills to potential	tan to strengthe d labor migrants d enhance the congencies. The grand \$1.5 million grand Communica Three new migration orientation pelevel pre-employed better jobs and nation countries by training for safen and communicate to social welfar and communicate to social welfar and pelevel pre-employed better jobs and communicate to social welfar and a pilot selot program for a pilot selot	ant is rant from the tion Technology, ation service d, Bokhtar, and returning migrants. programs, pyment skills d enable safer a The centers will re remittance cations technology are information. It may be a model "job for energy, and in provide enhanced stipend program new and more rvices to match skills training for ikistan Tajikistan
tle: World Protect V	d Bank-Supported /ulnerable Childre e: https://www.w	I Project Finance en in Tajikistan vorldbank.org/ei	es Cash Transfers
	2 <mark>0/06/19/world-b</mark> ers-to-protect-vul		
<u>casii-transie</u>	<u> </u>	<u>inerable-ciliure</u>	<u>II-III-tajikistaii</u>
Developer/	Partners: World l	Bank	
		_	
Court	Develop	Private	Academia
Govt	Develop Partner	Private Sector	Academia (Uni/Research)

Kyrgyzstan

Tajikistan

are provided as part of the World Bank-financed Tajikistan Emergency COVID-19 Project (TEC-19), which is supporting Tajikistan's efforts in responding to the health and social risks

Users: who is this for, number of users? General public

Title: Kazakhstan provides humanitarian aid to Kyrgyzstan,

associated with the global COVID-19 pandemic.

(families)

Tajikistan

Link/Source: https://www.euractiv.com/section/central-asia/news/kazakhstan-provides-humanitarian-aid-to-

kyrgyzstan-tajikistan/

Developer/Partners: Kazakhstan

Govt	Develop	Private	Academia
Govi	Partner	Sector	(Uni/Research)
X			

Description: In the context of the Covid-19 crisis, Kazakhstan has offered humanitarian aid to its Central Asian neighbors Kyrgyzstan and Tajikistan, answering a request by Bishkek and Dushanhe

Users: who is this for? Patients in Kazakhstan and Tajikistan

Other Responses

Responses that cannot be easily put into any of the categories above.

Regional Res	ponses				CAREC
					country
Fitle: Hack Covid-19: Global Virtual Hackathon					
Link/Source	:				
Developer/F	Partners: Centers	for Disease Con	trol and Prevention	on (CDC)	
Govt	Develop	Private	Academia		
dovi	Partner	Sector	(Uni/Research)		
	nistry of Transpo	rt, Communicati	ion and High Tech	nologies of the Republic of Azerbaijan; UNDP;	
SUP.VC					
Description : crisis. ¹	a VIRTUAL HACK	ATHON to crow	dsource tech solu	tions to help people cope with the coronavirus	
	10 Di-it-l Dit-	- in Almanta City			
Title: Covid-19 Digital Projects in Almaty City				Kazakhstar	
Link/Source		sobub org/uploa	ds/sovid/files/CO	VIDHACKS%20ALMATY%20(eng%20Version).pdf	
iittps.//www	v.astanaciviisei vic	.enub.org/upioa	us/coviu/illes/co	VIDHACKS%20ALIVIATT%20(effg%20Versioff).put	
Further info	rmation:				
		/			
	<u>v.euro.wno.int/er</u> -almaty,-kazakhst		nization/office-io	cations/who-european-centre-for-primary-	
nearth-care,	-aimaty,-kazakiist	<u>an</u>			
Davelenes/	South one Contors	for Discoss Con	trol and Prevention	on (CDC)	
Developer/F					
Govt	Develop Partner	Private Sector	Academia (Uni/Research	n)	
	raitier	30000	(Only Nescarci	"	
X			-t K!!		
rartners: De	partment of Digit	alization of Alm	aty, Kazaknstan		
			Almaty City, Kazak Iplemented to coi	hstan, provides an overview on all digital,	
	, ,		ipiementea to coi	TIDAL COVID-19.	
Users: who i	is this for, numbe	r of users?			

IV. INNOVATIONS PER COUNTRY

Country	Innovation							
Afghanistan	NONE							
Armenia	Title: Kolba Lab. COVID-19 Scenario Planning Exercise: Strengthening security, stability and resilience of the bordering communities in Vayots Dzor, Gegharkunik and Syunik regions/ CAPACITY BUILDING							
	Link/Source: http://kolba.am/projects/covid-19-response/ Developer/Partners: UNDP-UNICEF							
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)				
		Х						
	<u> </u>							
	Description: Futuring research and collaborative scenario building are the cornerstones of our Kolba Lab has shifted its gaze forward in order to ask critical questions about governance innov social change in an evolving world. Bringing together government players with thoughtful indiv spark creativity, generate new ideas, and explore what kinds of intelligence a positive and more future will need. Specific Covid-19 initiative: To advance stability and safety in the bordering communities of Get Vayots Dzor and Syunik regions, directly affected by Nagorno Karabakh conflict. The project will activities to deliver transformation at institutional (local governments, CSOs, businesses) and his development levels (skills, services, behavior, perceptions).							
	communitie trends in sec will be valida start with a Country who	s – Sisian and Arei curity, socio-econd ated through a pa panic button when ere innovation is	ni. The scenario omic, cultural, a rticipatory towi n needed. used: Armenia	s will include the i	scenarios for two pre-identified consolidated dentification of major growing and declining dimensions of the communities. Each scenario erate a set of practical strategies that can fast-			
	Lessons lear	ned? (if in develo	pment, when e	expected to be rea	ndy?) End 2020			
Armenia	Title: First vi	irtual country miss	sion by RKI and	WHO Euro in the	Republic of Armenia for COVID-19 response/			
	Link/Source https://www ml		nt/Institute/Int	ernational/COVID	ZIG en/COVID Armenia Mission html en.ht			
	Developer/I	Partners:						
	Court	Develop	Private	Academia				
	Govt	Partner	Sector	(Uni/Research)				
	Х	Χ						
	Description: In response to the request from the Armenian Ministry of Health (MoH) and the Presidential Office of the Republic of Armenia, RKI and WHO Euro put together an expert delegation to consult Armenian colleagues about the response measures to the COVID-19 outbreak. The joint mission's overall goal was to rapidly provide Armenia's national government with feedback on their COVID-19 response efforts and offer recommendations regarding the implementation of additional measures. Country where innovation is used: Armenia Users: Who is this for? Number of users? Over 400 participants attended a total of nine online sessions between 29.04 and 07.05.2020. Eleven colleagues from the Centre for International Health Protection and Department for Epidemiology of Infectious Diseases of the RKI supported the joint mission.							
		-	-	-	ndy?) During a facilitated internal discussion the virtual mission has considerable			

limitations compared to a conventional country mission. Team members pointed out that site visits cannot be reconstructed during a virtual country visit. There is also an indisputable value to the direct face-to-face exchange between participants over longer periods, some of which is lost in the format of an online session. Evidence of success? Virtual missions have great potential when actual travel is severely restricted for all or some participants. They offer a low-cost opportunity to bring people together and engage experts in a targeted manner. Rather than having to allocate several days to a trip, the participants can selectively attend the relevant online sessions dedicated to their area of work. Azerbaijan Title: Information of the Operational Headquarters under the Cabinet of Ministers of the Republic of Azerbaijan/MONITORING AND SURVEILLANCE Link/Source: https://nk.gov.az/az/article/1514/ Developer/Partners: **Private Academia** Develop Govt **Partner** Sector (Uni/Research) Х Description: Daily statistical information on the number of new COVID 19 cases, recovered and deaths. Also, since the vaccination of the population began in the country, daily updates on the number of vaccinated people in general number of vaccinated and daily numbers Country where innovation is used: Azerbaijan Users: Who is this for? Number of users? unknown China Title: Tracing confirmed case/ MONITORING AND SURVEILLANCE Link/Source: http://bmfw.www.gov.cn/ggjtmqjczcx/index.html Developer/Partners: Tencent Inc. Develop Private **Academia** Govt **Partner** Sector (Uni/Research) Χ Description: It serves for tracing train, flight, car and liners number in and out boarders in 14 days with confirmed and suspected cases (just input name and ID number) Country where innovation is used: PRC **Users**: Who is this for? Number of users? China Title: Digital Travel Record: Wechat mini program to see trips during past 14 days/MONITORING AND **SURVEILLANCE** Link/Source: https://xc.caict.ac.cn Developer/Partners: CAICT **Academia** Develop **Private** Govt **Partner** Sector (Uni/Research) Х Description: to Confirm in last 14 days the citizens stay in safety cities in Green, other cities not in Green. Country where innovation is used: PRC Users: Who is this for? Number of users: patients enrolled in studies Lessons learned? (if in development, when expected to be ready?) Evidence of success? China Title: The Knowledge Centre for China's Experiences in Response to COVID-19

Link/Source: https://covid19.alliancebrh.com

	Developer/Partners: Chinese government						
	Govt	Develop	Private	Academia			
		Partner	Sector	(Uni/Research)			
	x						
	treatment.	ere innovation is	used : China		a and answer questions on the science-based		
	Users: Who i	is this for? Media	officials, scient	tists, health profes	sionals		
China	QUARANTIN	E		_	ls, Wuhan/China/ISOLATION AND		
		https://sina.cn/l			All of the second		
	Developer/P	artners: JD Logist Develop	ics; Wuhan Rer Private	nhe Station; Wuha Academia	n Ninth Hospital]		
	Govt	Partner	Sector	(Uni/Research)			
		- 1 01 (11)	Jector	(Om/Nesearch)			
	hospitals aro resources. Country who		educe the persoused: China	-	o deliver medical and biological materials to ct times and freeing up other logistical		
hina				ers to fight Covid-1	9/WORKFORCF		
	Developer/P		Private	Academia	1		
	Govt	Develop Partner	Sector	(Uni/Research)			
		raitilei	X	(Offi/Research)			
	Description:	Some 4 million c	-	kers were working	in around 650,000 urban and rural		
	government Couriers, san sectors of so Country whe Users: Who i Evidence of s	policies, and sand nitation workers, iciety also devote ere innovation is is this for? Chines success? As of Ma in more than 460	itizing neighbor transport empl d themselves to used : China se citizens ay 31 2020, 8.8	rhoods. oyees, media work o the fight against 1 million registere	res, screening for infection, disseminating sers, volunteers, and many people from other		
China	government Couriers, san sectors of so Country who Users: Who i Evidence of s participated voluntary sen	policies, and sani nitation workers, ciety also devote ere innovation is is this for? Chines success? As of M in more than 460 rvice.	itizing neighbor transport empl d themselves to used : China se citizens ay 31 2020, 8.8 0,000 volunteer	rhoods. oyees, media work o the fight against 1 million registere	res, screening for infection, disseminating sers, volunteers, and many people from othe the epidemic. d volunteers across the country had g a total of more than 290 million hours of		
hina	government Couriers, san sectors of so Country whe Users: Who i Evidence of s participated voluntary ser	policies, and sand nitation workers, ociety also devote ere innovation is is this for? Chines success? As of Ma in more than 460 rvice.	itizing neighbor transport empl d themselves to used : China se citizens ay 31 2020, 8.8 0,000 volunteer	choods. oyees, media work the fight against million registere projects, renderir battle virus in Wu	res, screening for infection, disseminating sers, volunteers, and many people from othe the epidemic. d volunteers across the country had g a total of more than 290 million hours of		
hina	government Couriers, san sectors of so Country whe Users: Who i Evidence of s participated voluntary ser	policies, and saninitation workers, ociety also devote ere innovation is is this for? Chines success? As of Min more than 460 rvice. sends strongest man the control of th	itizing neighbor transport empl d themselves to used: China se citizens ay 31 2020, 8.8 0,000 volunteer nedical force to inadaily.com.cr	rhoods. oyees, media work o the fight against 1 million registere projects, renderin battle virus in Wu	res, screening for infection, disseminating sers, volunteers, and many people from other the epidemic. d volunteers across the country had g a total of more than 290 million hours of han/WORKFORCE		
hina	government Couriers, san sectors of so Country whe Users: Who i Evidence of s participated voluntary ser Title: China s Link/Source:	policies, and saninitation workers, initation workers, initation workers, initation workers, initiation workers, initiation workers also devote ere innovation is its this for? Chines success? As of Main more than 460 rvice. Seends strongest main that it is the control of the	itizing neighbor transport empl d themselves to used: China se citizens ay 31 2020, 8.8 0,000 volunteer nedical force to inadaily.com.cr	choods. oyees, media work o the fight against 1 million registere oprojects, renderin battle virus in Wu n/a/202002/13/WS Academia	res, screening for infection, disseminating sers, volunteers, and many people from othe the epidemic. d volunteers across the country had g a total of more than 290 million hours of han/WORKFORCE		
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Country where innovation is used: China **Users**: Who is this for? Chinese patients

China

Title: Fangcang Shelter Hospitals/PLANNING SERVICES

Link/Source: https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30864-3/fulltext

Developer/Partners: Chinese government

Court	Develop	Private	Academia	
Govt	Partner	Sector	(Uni/Research)	
х				

Description: During the fight against COVID-19, temporary treatment centers, or Fangcang Shelter Hospitals, provided beds to admit all confirmed cases. They were built within three weeks to isolate, treat, and triage patients with mild to moderate COVID-19.

Country where innovation is used: China Users: Who is this for? Chinese citizens

China

Title: Bigger role for TCM urged in disease control/MANAGING CASES

Link/Source: https://www.chinadaily.com.cn/a/202005/28/WS5ecf0c1da310a8b241158fdf.html

Developer/Partners:

Court	Develop	Private	Academia	
Govt	Partner	Sector	(Uni/Research)	
Х			Х	

Description: "In case of public health emergencies, TCM practitioners should also be able to appear on the front line at the earliest time, and TCM hospitals should also be included as designated hospitals so patients can be treated with TCM therapies, so effective experiences can be promoted quickly," said Zhang, also president of Tianjin University of Traditional Chinese Medicine.

"TCM has played a very important role in epidemic control in Wuhan, capital of Hubei province, and the good practices should be summarized so they can contribute to an improved response to public health emergencies in the future."

Country where innovation is used? China

Users: who is this for, number of users? Chinese citizens

China

Title: Telemedicine expanded to rural areas/MANAGING CASES

Link/Source: Telemedicine expanded to rural areas

Developer/Partners:

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)
Х			х

Description: The example of the China-Japan Friendship Hospital, which undertakes functions for the National Telemedicine and Connected Health Center. It provided long-distance diagnoses for severe COVID-19 cases in Wuhan, capital of Hubei province, earlier this year and played a key role in patients' treatment and recovery. The government will extend telemedicine coverage to all poor counties, connect long-distance diagnostic services to villages equipped to handle them and offer individuals and households access to online lessons about basic healthcare and home management of chronic disease.

Country where innovation is used? China

Users: Who is this for, number of users? Chinese population

China

OTHER INNOVATION

Title: Internet firms provide aid for merchants

Link/Source: http://subsites.chinadaily.com.cn/bjzpark/2020-02/18/c 460928.htm

Developer/Partners: internet companies

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)
		х	

Description: Measures include expense reduction, financial and logistics support, data flow information sharing and health protection. Chinese internet companies (Jingdong, Alibaba, Meituan...) are reducing or scrapping commission fees, extending payment deadlines and providing loans with low interest rates for merchants on their platforms to help the latter alleviate pressure caused by the difficult situation resulting from the novel coronavirus outbreak.

Users: who is this for, number of users? Chinese citizens **Country where this has been implemented**: China

Kazakhstan

Title: Kazakhstan Never Sleeps/HEALTH COMMUNICATION

Link/Source: https://t.me/knscovid19

Developer/Partners: https://centralasiaprogram.org/archives/18399

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)

Description: The Telegram Channel of Physicians in Kazakhstan informs about Covid-19 related health

information.

Country where innovation is used: Kazakhstan

Users: Who is this for? Number of users? General public

Kyrgyzstan

Title: Innovation for Kyrgyzstan: Inno4Kg challenge/OTHER INNOVATIONS

 $\label{link/Source:https://www.kg.undp.org/content/kyrgyzstan/en/home/projects/open-innovation-challenge-inno4kg.html_$

Developer/Partners: UNDP, State Agency on ICT of Kyrgyzstan and the High Technology Park

Govt	Develop Partner	Private Sector	Academia (Uni/Research)
Х	Х	Х	

Description: A contest that is expected to generate speedy, diverse and effective solutions designed to tackle the cascading effects of the coronavirus pandemic and address the acute needs of the vulnerable populations.

The Inno4Kg challenge aims to support those isolated at home, seeking solutions for managing mental health and social care. It focuses on self-education, networking and social connections, innovative solutions for unmanned production and delivery, as well as on exploring new ways to ease the burden on healthcare providers.

Country where innovation is used: Kyrgyzstan

Users: Who is this for? Number of users? Innovators, private companies and civil society organizations may take part

Lessons learned? (if in development, when expected to be ready?) Projects will be carried out in May – September 2020 with each of the contest winners receiving up to USD 10,000 for their implementation

Evidence of success?

Mongolia

Title: emongolia web portal/HEALTH COMMUNICATION

Link/Source: https://www1.e-mongolia.mn/home

Developer/Partners: The government of Mongolia (Communication, information technology agency of the Government of Mongolia)

Court	Develop	Private	Academia
Govt	Partner	Sector	(Uni/Research)
х			

Description: This is a web portal which was developed by Government of Mongolia (Communication, Information and technology agency of the Government of Mongolia) to provide social services (approximately 180 types of social services) to the people of Mongolia. The web portal has COVID information section where people can get information about COVID such as symptoms, prevention and where to get service if people have symptoms and location of COVID test and vaccine points. In addition, people can get COVID test results and COVID vaccine certificates from this web.

Country where innovation is used: Mongolia

	Users: Mone	olian citizens plu	s foreigners res	iding in Mongolia				
Mongolia	Users: Mongolian citizens plus foreigners residing in Mongolia. Title: Determining psychological distress among health care workers during COVID pandemic in Mongolia/MENTAL HEALTH OF WORKFORCE							
	Link/Source	Link/Source: National Mental health center of Mongolia						
	Developer/	Developer/Partners: Centers for Disease Control and Prevention (CDC)						
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)				
	х			Х				
	determine t COVID-19 re isolation cer Users: who administrate during crisis Country wh	he causes, risk facesponse. The surventers. is this for, numbe ors, decision make situations such a ere this has been	etors for psycho ey was conductor of users? The ers for creating as s COVID pander implemented:	logical distress am ed among 435 hea survey findings are and maintaining m nic.	by Mongolian National Mental health center to ong health care providers who're working on Ith care workers in 4 referral hospitals and in 3 e relevant for health managers and health nental health wellbeing of health workforce			
Pakistan		ealth system resili		6/HEALTH COMM	LINICATION			
			iicef.org/pakista	n/media/2796/file	e/COVID-19%20SitRep%2016.pdf			
	Developer/	Partners: UNICEF	T	1	1			
		Develop	Private	Academia				
	Govt	Partner	Sector	(Uni/Research)				
	Govt	•	Sector	(Uni/Research)				
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	-	eeds to be streng		ier rakistan for the	sir clinical trials. The requisite regulatory
Pakistan	China's help,	/VACCINE RELAT	ED ACTIVITIES		gle-dose CanSino vaccine to be produced with to-locally-produce-chinas-covid-19-
	Developer/F	Partners: NIH, Ca	nSinoBIO. AJM I	Pharma	
	Govt	Develop Partner	Private Sector	Academia (Uni/Research)	
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Link/Source: https://www.pk.undp.org/content/pakistan/en/home/blog/2020/how-telemedicine-is-helping-in-the-fight-against-covid-19--and-w.html

Developer/Partners: UNDP, Sehat Kahani (health tech social enterprise with a network of 27 e-clinics across Pakistan)

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
	x	x	

Description Like in many other countries, patients in Pakistan are scared to visit hospitals to avoid COVID exposure. Elderly, pregnant women, and patients with pre-existing health conditions are at higher risk while also being always more in need of medical help. During this time of the ongoing pandemic, telemedicine is playing a pivotal role in acting as an enabler to help many patients in need. The United Nations Development Programme (UNDP) Pakistan has partnered with Sehat Kahani to connect patients to qualified doctors via a telemedicine based mobile and web solution— to accelerate the efforts to support Pakistan's healthcare system. To bring quality medical practice to Pakistan and further make the healthcare services more accessible for all, physicians and specialists of Pakistani origins were reached out through Yaran-e-watan to continue their practice through telemedicine platform. More than 30 consultants trained in pulmonology and critical care among other specialties joined the application during this critical time. The mobile application was made free for accessing tele-consultations so that the patients could avail health services through their smartphones within the vicinity of their homes.

Country where innovation is used: Pakistan n Globally

Users: General Public

Lessons learned? Widespread use of Tele-medicine during the pandemic has proved that it is a very tool which can be very user friendly both the physicians as well as the patients.

Evidence of success? Widespread use of this mode of medical treatment is the evidence of its success.

Pakistan

Title: National Command and Operations Center/MANAGING CASES

Link/Source: https://ncoc.gov.pk/govt-initiatives.php

Developer/Partners: government of Pakistan

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
Х			

Description: The National Command and Operations Center is the nerve center of the national COVID-19 response. The NCOC has introduced several IT based initiatives to help the public gain better access of the COVID related services being offered by the government. The IT initiatives include Apps related to SOPs Violation registry, Smart Lockdowns, Resource management System, Pak Neghayban App, Integrated Disease Information Management System, Educational Institute Management System, national Helpline, Telehealth Portal, 1166, Isolation Hospital & Infection treatment center, Community Mobilization, PM relief Fund, WeCare, Tiger Force, Ehsas programme, Yaran-e-watan.

Users: who is this for, number of users? General Public

Country where this has been implemented: Pakistan

Effect on health system resilience: The system absorbed this new technology quite seamlessly.

Lessons learned/Evidence of success: There is a huge potential for IT technology use in the medical healthcare sector in the country.

Pakistan

Title: Overview of Isolation and Quarantine facilities in Pakistan/MANAGING CASES

Link/Source: https://covid.gov.pk/facilities/List%20of%20Province-wise%20COVID-19%20Quarantine%20Facilities%20Pakistan.pdf

Developer/Partners: Government of Pakistan

Govt	Develop	Private	Academia
	Partner	Sector	(Uni/Research)
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	T					
	Description: The government established a nationwide network of Isolation and Quarantine facilities across the country in various large public facilities and private buildings and equipped them accordingly to prepare for any large-scale eventuality. Country where innovation is used: Pakistan					
	Users: Who is this for? General Public					
	Number of	users? unknown				
		rned? Contingency h centers at short			es should be developed which can be used to	
		-			publicized in the national media and received a limited extent especially in the start of the	
Tajikistan Turkmenista	NONE					
n rurkmenista	NONE					
Uzbekistan	Title: Creati	on of the ZF-UZ-V	AC2001 corona	virus vaccine/VAC	CINE RELATED ACTIVITIES	
	Link/Source: http://tashkenttimes.uz/national/6743-innovation-ministry-on-sino-uzbek-covid-19-value-veloper/Partners : Uzbekistan Ministry of Innovative Development and the Center for Advanced Technologies, Anhui Zhifei Longcom Biopharmaceutical in collaboration with the Institute of Microbithe Chinese Academy of Sciences (IMCAS)				pment and the Center for Advanced	
	Govt	Develop	Private	Academia		
		Partner	Sector	(Uni/Research)		
	X		Х	X		
	Description: The ZF-UZ-VAC2001 vaccine is made from a purified receptor-binding section of the coronavirus spike glycoprotein (NCP-RBD recombinant protein) expressed by recombinant CHO cells and the addition of an aluminum hydroxide adjuvant					
	During the development of the ZF-UZ-VAC2001 vaccine, a technology was applied similar to the technology creating other recombinant vaccines, such as NVX-CoV2373 (Novavax), EpiVacCorona (Vector), etc. ZF-UZ-VAC2001 vaccine was obtained biotechnologically by creating a recombinant protein NCP- RBD coronavirus SARS-CoV-2,					
	Country wh	ere innovation is	used: Uzbekista	nn, China		
	Users: Who	is this for? Numb	er of users? Ge	neral population		
	Lessons lea	rned? (if in develo	pment, when e	expected to be rea	ndy?) Unknown	
	Evidence of	success? Undergo	oing testing			

ENDNOTES

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