

COVID-19 Countermeasures in ADRC Member Countries

Desk Survey from Online Resources

(As of **May 20, 2020**: *This report is regularly updated to reflect latest information*)

1. Basic Policy

National governments' basic policy in fighting Covid-19 includes containing, mitigating, and managing its and economic impacts (Table 1). Specific countermeasures in implementing the basic policy vary among countries due to differences in the following: 1) preparedness of the health systems, 2) demographics, e.g., percentage of elderly and poor, 3) population density, 4) testing capacity, and 5) cultural, social, and political dynamics.

Table 1 Basic Policy on Fighting COVID-19

Policy	Code	Countermeasures
<i>Containment</i>	BR	Border Control: restriction of foreign entries to the country
	L	Lockdown: full (nationwide) or partial lockdown (region or city)
	MR	Movement Restrictions: behavior change (e.g., stay home)
<i>Mitigation</i>	HS	Strengthening of Health System: hospital beds, ventilators, PPEs, treatment
	TT	Tracing and Testing: cluster tracing, PCR testing
	SD	Social Distancing: cancelation of group events
	M	Wearing of Mask: promoting use masks or distribution of masks
	V	Vaccine research and trials: development and application of vaccine
<i>Economic Support*</i>	CA	Cash Assistance to citizens: cash & relief assistance to residents or those affected
	EA	Economic Aid to businesses: economic aid packages, tax relief, etc.

** Some countries borrowed money from lending institutions (e.g., International Monetary Fund, World Bank, and Asian Development Bank) to support the economy.*

2. Variations in Countermeasures and Best Practices

Based on official government reports¹ to the World Health Organization (WHO) with *best practices* as well as other online documents (see links listed in last column), Table 2 shows how governments differ in implementing the basic policy in fighting covid-19.

¹ WHO Covid-19 Information Sessions, <https://apps.who.int/gb/COVID-19/>

Table 2 Indicative Variation of COVID-19 Countermeasures Based on Desk Survey

Member Country	Containment			Mitigation					Support		Websites of Health Agency and COVID-19 Tracker
	BR	L	MR	HS	TT	SD	M	V	CA	EA	
1. Armenia ²	0	0	-	-	-	0	0	x	*	*	https://ncdc.am/coronavirus/confirmed-cases-by-days/
2. Azerbaijan	0	0	-	-	-	0	0	-	0	0	https://koronavirusinfo.az/az
3. Bangladesh	0	0	-	x	x	0	0	x	0	0	http://corona.gov.bd/
4. Bhutan ³	0	0	-	-	-	0	0	x	*	*	http://www.moh.gov.bt/
5. Cambodia	0	x	0	x	x	0	0	x	*	*	http://www.cdcmoh.gov.kh/
6. China ⁴	0	0	-	0	0	0	0	0	0	0	http://en.nhc.gov.cn/
7. India ⁵	0	0	-	0	-	0	0	-	0	0	https://www.mohfw.gov.in/
8. Indonesia ⁶	0	0	-	-	-	0	0	-	0	0	https://covid19.kemkes.go.id/ https://covid19.go.id/ http://covid19.bnpg.go.id/
9. Iran ⁷	0	0	-	0	-	0	0	-	0	0	behdasht.gov.ir
10. Japan ⁸	0	x	0	0	0	0	0	0	0	0	https://www.mhlw.go.jp/index.html
11. Kazakhstan	0	0	-	-	-	0	0	-	0	0	https://www.coronavirus2020.kz/kz
12. Kyrgyzstan	0	0	-	-	-	0	0	-	*	*	http://www.med.kg/ru/informatsii.html
13. Laos ⁹	0	0	-	-	-				*	*	https://www.moh.gov.la/index.php/lo-la/
14. Malaysia	0	0	-	0	-	0	0	-	0	0	http://www.moh.gov.my/index.php/pages/view/2019-ncov-wuhan https://ukkdosm.github.io/covid-19
15. Maldives ¹⁰	0	0	-	-	-	0	0	-	*	*	https://covid19.health.gov.mv/en
16. Mongolia	0	0	-	-	-	0	0	-	*	*	https://zasag.mn/en/m/ministry-of-health
17. Myanmar	0	0	-	-	-	0	0	-	0	0	https://www.mohs.gov.mm/
18. Nepal	0	0	-	-	-	0	0	-	*	*	https://mohep.gov.np/en/ http://www.moha.gov.np/

² Armenia's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/14_05/Armenia.pdf

³ Bhutan's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/30_04/Bhutan.pdf

⁴ China's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/27_03/China.pdf

⁵ India's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/23_04/India.pdf

⁶ Indonesia's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/07_05/Indonesia.pdf

⁷ Iran's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/23_04/Iran.pdf

⁸ Japan's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/27_03/Japan.pdf

⁹ Laos' report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/14_05/Lao.pdf

¹⁰ Maldives' report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/14_05/Maldives.pdf

Member Country	Containment			Mitigation					Support		Websites of Health Agency and COVID-19 Tracker
	BR	L	MR	HS	TT	SD	M	V	CA	EA	
19. Pakistan	0	0	-	-	-	0	0	-	*	*	http://covid.gov.pk/
20. Papua New Guinea	0	0	-	-	-	0	0	-	*	*	https://www.health.gov.pg/
21. Philippines	0	0	0	0	X	0	0	X	0	0	https://ncovtracker.doh.gov.ph/ http://www.covid19.gov.ph/
22. Republic of Korea ¹¹	0	X	0	0	0	0	0	0	0	0	http://ncov.mohw.go.kr/en
23. Russian Federation	0	0	-	-	-	0	0	-	0	0	stopkoronavirus.pф
24. Singapore ¹²	0	0	-	0	0	0	0	0	0	0	https://www.moh.gov.sg/covid-19
25. Sri Lanka	0	0	-	-	X	0	0	X	*	*	http://epid.gov.lk/
26. Tajikistan	0	-	0	-	-	-	-	X	*	*	http://moh.tj/?lang=en
27. Thailand	0	0	0	0	-	0	0	-	0	0	https://ddc.moph.go.th/viralpneumonia/eng/index.php
28. Turkey ¹³	0	0	0	0	-	0	0	0	0	0	https://www.saglik.gov.tr/?_Dil=2
29. Uzbekistan	0	0	0	-	-	0	0	-	*	*	https://www.minzdrav.uz/en/
30. Vietnam	0	0	-	0	X	0	0	-	0	0	https://www.moh.gov.vn/en_US/web/ministry-of-health
31. Yemen	0	-	-	-	-	-	-	-	-	-	http://www.moh.gov.ye/

Legend:

0 = Implemented

X = Not implemented

* = Borrowed/loaned from lending organizations

- = To be researched further

3. Role of Disaster Risk Management (DRM) Agencies

Respective Disaster Risk Management (DRM) Agencies of ADRC Member Countries mostly play key roles in preventing spread and managing the impact of Covid-19. DRM agencies (ADRC's counterparts) share lessons and technologies in disaster preparedness, response, and recovery. One of the notable best practices in disaster management is the utilization of mobile apps in tracing and assisting victims. In view of this, DRM agencies either modified or provided inputs in developing a new **mobile app on Covid-19**, where functions include providing basic information, contact tracing, and self-assessment. Table 3 shows the roles and initiatives of the DRM agencies in the fight against coronavirus as indicated in their respective websites. It also shows the names of mobile apps as well as links about the details.

¹¹ Republic of Korea's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/27_03/Korea.pdf

¹² Singapore's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/27_03/Singapore.pdf

¹³ Turkey's report to WHO, https://apps.who.int/gb/COVID-19/pdf_files/30_04/Turkey.pdf

Table 3 Websites of DRM Agencies and Mobiles Apps on Covid-19

Country	DRM Agency Website	Mobile Apps on Covid-19
Armenia	http://mes.am/en/	Covid-19 Armenia https://apps.apple.com/am/app/covid-19-armenia/id1505830061
Azerbaijan	http://www.fhn.gov.az/index.php?eng	
Bangladesh	https://modmr.gov.bd/ http://ddm.gov.bd/	Corona Identifier https://coronaidentifier.teletalk.com.bd/#
Bhutan	http://www.ddm.gov.bt/	Druk Trace https://apps.apple.com/us/app/druk-trace/id1508351048
Cambodia	http://www.ncdm.gov.kh/	Khmer Education Covid-19 App
China	http://www.mca.gov.cn/ https://www.mem.gov.cn/index.shtml https://www.cea.gov.cn/ https://www.cidp.edu.cn/	Health Code (Linked with <i>Alipay</i> and <i>WeChat</i>) https://www.alipay.com/
India	https://ndma.gov.in/en/	Aarogya Setu https://www.mygov.in/aarogya-setu-app/
Indonesia	https://bnpb.go.id/	PeduliLindungi https://inet.detik.com/mobile-apps/d-4976718/pedulilindungi-aplikasi-pelacak-covid-19-sudah-tersedia-di-app-store
Iran	https://ndmo.ir/	AC19 https://ac19.ir/
Japan	http://www.bousai.go.jp/ http://japan.kantei.go.jp/ongoingtopics/00013.html	Stopcovid19 Japan https://www.stopcovid19.jp/ Stopcovid19 Tokyo https://stopcovid19.metro.tokyo.lg.jp/en/flow
Kazakhstan	http://emer.gov.kz/en/	Smart Astana https://play.google.com/store/apps/details?id=kz.citysoft.smartastana&hl=en

Kyrgyzstan	http://en.mes.kg/	Stop Covid-19 http://ict.gov.kg/index.php?r=site%2Fpress&pid=553&cid=1
Laos	http://www.molsw.gov.la/?&lang=en	LaoKYC https://play.google.com/store/apps/details?id=com.gov.mpt.laokyc&hl=en
Malaysia	http://www.nadma.gov.my/ http://www.nadma.gov.my/en/	MySejahtera https://mysejahtera.malaysia.gov.my/intro/
Maldives	http://ndmc.gov.mv/	TraceEkee https://trace.hpa.gov.mv/index.html?lang=en
Mongolia	https://nema.gov.mn/ http://en.nema.gov.mn/	Shuurkhai 119 https://play.google.com/store/apps/details?id=mn.callpro.shuurkhai
Myanmar	http://moswrr.gov.mm/ http://moswrr.gov.mm/index.php/main/home	Saw Saw Shar https://play.google.com/store/apps/details?id=mm.org.mcf.app001
Nepal	http://drrportal.gov.np/ http://bipad.gov.np/	Nepal COVID 19 https://play.google.com/store/apps/details?id=com.iclick.covidnew&hl=en
Pakistan	http://ndma.gov.pk/	Covid-19 Gov PK https://play.google.com/store/apps/details?id=com.govpk.covid19&hl=en_US
Papua New Guinea	http://pngndc.gov.pg/	-
Philippines	http://www.ndrrmc.gov.ph/ https://www.phivolcs.dost.gov.ph/ http://www.ocd.gov.ph/	StaySafe.ph https://www.staysafe.ph/ Symptom Tracker https://symptom-tracker.tedhouse.org/
Republic of Korea	http://www.safekorea.go.kr/ https://www.mois.go.kr/eng/a01/engMain.do	Safe Korea Self-Quarantine http://www.safekorea.go.kr/idsiSFK/neo/main/main.html Self Diagnosis http://ncov.mohw.go.kr/selfcheck

Russian Federation	https://en.mchs.ru/	Contact Tracer https://contacttracer.ru/
Singapore	https://www.scdf.gov.sg/	TraceTogether https://www.tracetgether.gov.sg/
Sri Lanka	http://www.dmc.gov.lk/index.php?lang=en	Covid Shield https://covid.iq.lk/covid-shield-app.php
Tajikistan	https://www.khf.tj/ru/	-
Thailand	http://www.disaster.go.th/en/ http://www.nirapai.com/1784/index.php/th/ https://www.thaiwater.net/v3/	DDC Care https://play.google.com/store/apps/details?id=th.or.nectec.ddc_care&hl=en
Turkey	https://deprem.afad.gov.tr/?lang=en	Corowarner https://covid19bilgi.saglik.gov.tr/tr/
Uzbekistan	https://www.fvv.uz/	-
Vietnam	http://dmc.gov.vn/?lang=en-US http://phongchongthientai.vn/default.aspx	NCovi https://ncov.moh.gov.vn/
Yemen	https://bit.ly/3aWEh4u	-

References

WHO Reporting

<https://apps.who.int/gb/COVID-19/>

ASEAN Briefing

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COVID-19 in Asia

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