

EMERGING MARKETS: Covid-19 Vaccination Strategies and Challenges

Our Covid-19 vaccination table includes updated information on the immunization strategies selected EMs are pursuing and the challenges they face.

Below are some of this week's key developments. Please do not hesitate to contact us if you want to discuss any of the countries mentioned in more detail.

Click on 'View PDF' to see the table.

HIGHLIGHTS

Vaccine roll-out

- **Brazil's** federal government has announced that every adult will receive at least one dose by the end of September. Many regions have already disclosed their entire immunization schedule in conformity with the federal agenda.
- **Chile** is currently administering vaccines to 18 and 19-year-olds, as well as to the 12-17 age group (with the Pfizer vaccine), while also working on a campaign to persuade unvaccinated adults to come forward for their vaccine.
- The **Czech Republic** will start vaccinating adolescents aged 12 to 15 in July; the country is also considering scrapping the requirement to pre-register for vaccinations, possibly shifting to a "walk-in" system in early August.
- In **Kenya**, vaccination has plateaued at 1.85% of the population as deliveries have slowed to a trickle amid COVAX supply shortages.
- **Nigeria** expects a second delivery of 3.92mn doses of the AstraZeneca (AZ) vaccine via the COVAX mechanism by early August and therefore announced it was resuming first-dose inoculations, which had been put on hold on 24 May.
- **Peru's** government is aiming to have all people aged over 50 fully vaccinated by the end of July when a new administration takes office.
- In order to facilitate vaccinations during the summer holiday period, **Poland** will allow residents to get the required two doses of the vaccine at different vaccination sites.
- In **Russia**, several regions are introducing compulsory vaccination for specific occupational groups such as employees of state-owned enterprises/institutions or workers in various services industries. This will likely boost the pace of vaccination in the near term.

Vaccine procurement

- In **Colombia**, the first batch of 1.5mn Sinovac vaccine doses acquired by private companies is set to arrive on 28 June; regulations passed earlier this year allow private sector entities to acquire and administer vaccines in a process that is supposed to complement the government-led vaccination campaign.
- The **Philippines** has ordered 40mn doses of the Pfizer-BioNTech vaccine, with deliveries reportedly to start in August.
- **Thailand's** Chulabhorn Royal Academy, which is headed by the king's sister, will import Sinopharm vaccines starting in July to supplement the locally-produced AZ vaccines being manufactured by Siam Bioscience, which is owned by the monarchy. As of last week, around 3.16mn people had registered to receive the Chinese-made Sinopharm vaccine.

Infections and new variants

- WHO officials have warned that **African countries** are experiencing “a full-blown third wave,” with South Africa, Tunisia, Zambia, Uganda, and Namibia particularly hard hit. This makes faster vaccine supply imperative, as the circulation of more contagious variants is accelerating across the region.
- In **Argentina**, Buenos Aires authorities plan to prioritize the application of second doses amid fears over the global spread of the Delta variant; the challenge for Argentina is that the first and second doses of the widely-applied Sputnik V vaccine are not interchangeable and that deliveries of second doses are running behind schedule.
- People vaccinated with **Russia's** Sputnik V vaccine will need to be revaccinated after six months in order to be protected from the Delta variant of the virus, according to the head of the Gamaleya Research Institute Epidemiology and Microbiology, the vaccine's developer.
- On 15 June, **South Africa** returned to lockdown “Level 3” restrictions to combat a third Covid-19 wave, but additional restrictions may be announced, particularly for Gauteng province.
- **Thailand** reports the Beta variant is spreading in the southern provinces, near the ones that border Malaysia.

Vaccine diplomacy

- **Mexico** plans to send AZ vaccines to Guatemala, Honduras, and El Salvador, which are all important sources of illegal migration northwards; Mexico will also send vaccines to Jamaica and Trinidad and Tobago.
- **South Africa** has been selected to host the WHO's first Covid-19 messenger RNA (mRNA) vaccine technology transfer hub in a bid to scale up vaccine production and access. However, immediate large-scale vaccine supply to the region is needed to address the Covid-19 resurgence and threats posed by variants.
- The **United States** increased its donation of Moderna vaccines to **Taiwan** to 2.5mn doses, up from President Joe Biden's original pledge of 750,000 doses.

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Emerging Markets Covid-19 Vaccination Strategies and Challenges

Rating of countries' vaccine roll-out (as of 23 June 2021):

	Between 0% and 10% of the total population have received at least one Covid-19 vaccine dose
	Between 10% and 30% of the total population have received at least one Covid-19 vaccine dose
	More than 30% of the total population have received at least one Covid-19 vaccine dose

	Vaccination strategy	Current state of vaccine roll-out	Procurement
Israel	Virtually all high-risk adults have been vaccinated.	Israel has one of the highest vaccination rates in the world, with 122 doses per hundred people. 59% of the population has been fully vaccinated (about 80% of adults), and daily vaccination rates have trended downward as the eligible population diminishes. WHO estimates 306,000 Palestinians in West Bank and Gaza have been vaccinated (about 6%) and 230,000 have been fully vaccinated, including the 110,000 Palestinians who work in Israel and received Israeli vaccinations.	Pfizer-BioNTech – Israel is administering the Pfizer vaccine, in exchange for giving Pfizer extensive patient data. Moderna – Israel plans to vaccinate about 100,000 Palestinian workers with the Moderna vaccine. The Palestinian Authority has received more than 390,000 doses: 100,000 Sinopharm , 97,000 AZ SK Bio , 90,000 Sputnik , 140,000 Pfizer-BioNTech and 2,000 Moderna , 25,000 AZ SII , and 48,000 AZ R-Pharm
UAE	Emirati citizens, their domestic workers, elderly, sick, and those in health and education are eligible for vaccination without appointment. Other residents eligible for vaccination free of charge.	As of 22 June, about 14mn shots have been administered (147.94% of population). The UAE has not reported how many are fully vaccinated since February. Third shots of Sinopharm drug are being given for those with low levels of antibodies. Dubai has emphasized the Pfizer vaccine, Abu Dhabi the Sinopharm vaccine.	Sinopharm and Pfizer-BioNTech are the two approved vaccines. UAE signed an agreement to produce Sinopharm domestically.
Chile	Target to vaccinate 5mn people (ca. 26% of population) by end-Q1/2021 has been met. Next target is to vaccinate 15mn people (80% of population) by end H1/2021. Medical workers first to receive vaccinations, followed by elderly in care homes; over 65s; key workers in public bureaucracy; people with other co-morbidities.	Pfizer vaccinations started in late Dec but mass campaign using China's Sinovac vaccine started 3 Feb. As of 22 Jun, 11.8mn people (62.6% of population) have received one vaccine dose and 9.3mn (49% of population) have received a double dose.	Pfizer-BioNTech – agreement for 10mn doses; Sinovac – agreement for 60mn doses over three years; AZ – agreement for 14.4mn doses. COVAX – agreement for 8mn doses. CanSino – agreement for 1.8mn doses, with first applications in early June. Local regulatory approval for J&J and Sputnik V vaccines pending.
Hungary	Vaccination is available to all citizens as well as foreigners living in Hungary. Vaccinations of adolescents aged 12-15 years-old started in June. After vaccinating 5mn residents (51% of population), the government has not set new vaccination milestones, thereby admitting that they will be difficult to achieve.	Vaccination started on 26 Dec. As of 22 Jun, 5.4mn people (55% of population) have received at least one jab and 4.6mn (47%) have received both shots. Vaccination progress has slowed down considerably in recent weeks.	Procurement contracts and deliveries as of 15 Jun via the EU's joint mechanism: AZ – 6.5mn doses (1.6mn delivered) Moderna – 1.7mn doses (756,00 delivered). Pfizer-BioNTech – 10.9mn doses (5.1mn delivered). J&J – 4.4mn doses (301,200 delivered). CureVac – 500,000 doses. National-level procurement: Sputnik V – 2mn doses (2mn delivered). Sinopharm – 5mn doses (5.2mn delivered).
Singapore	Seniors, healthcare and frontline workers nominated by their employers were the first to be eligible. The vaccination of those 40 years old is ongoing, and Singapore is phasing in younger groups as supply becomes available.	As of 21 June, 4.69mn doses have been administered. So far, 2.06mn (36% of the population) have been fully vaccinated and 89mn (16%) are on their first shot. The goal is to complete all immunizations by the end of the year.	The government has concluded agreements with three suppliers, with undisclosed quantities: Pfizer-BioNTech , Moderna and Arcturus . It has received Coronavac but claims that the data for authorization is incomplete. However, it is looking for additional supplies in anticipation of possible shortfalls.

	Vaccination strategy	Current state of vaccine roll-out	Procurement
Poland	Adults of all age groups are allowed to register for a Covid-19 jab. Since 7 Jun, vaccination is available for adolescents aged over 12. In order to facilitate vaccinations during the summer holiday period, residents will be able to get the second dose of the vaccine at a different vaccination site than the first one starting 1 Jul.	Vaccinations started on 27 Dec. As of 22 Jun, 16.2mn residents (42.3% of population) received a first jab and 10.5mn (27.4%) had both shots. The country aims to achieve sufficient immunity levels to control the pandemic by the end of the year.	Procurement exclusively via the EU. Overall, around 100mn doses contracted. As of 22 Jun, 33mn vaccine doses delivered: 23.3mn Pfizer-BioNTech , 5.2mn AZ , 3.2mn Moderna , 1.2mn J&J .
Greece	Currently offering the full range of vaccines to everyone over 18. The government hopes half the population will have received at least one dose by end-June. The Greek health authorities recommended on 14 June that the first dose of the AZ vaccine should no longer be administered to anyone under 60.	As of 21 June, Greece had administered just over 7.5mn vaccines, which means 42.2% of the population had received at least one jab and 29.6% was fully vaccinated. The average uptake among Greeks over 60 stands at roughly 72% – lower than in other European countries. On some popular islands, more than 60% of all residents have been vaccinated. In some parts of northern Greece, though, the coverage is below 30%.	Greece is using the Pfizer-BioNTech , AZ , Moderna and J&J , adhering to the EU's procurement process. It expects to have received 2.2mn Pfizer-BioNTech vaccines in June, another 1.5mn in July and 1.1mn in August. Up to 308,000 Moderna jabs were expected this month. J&J is due to deliver 152,712 vaccines in June.
China	Goal of fully vaccinating 560mn people, or 40% of the population, by end-June is prompting some provinces to suspend first doses after 9 June to prioritize second doses. The Chinese Centre for Disease Control and Prevention (CDC) said 80-85% vaccination is required to reach herd immunity and that this level could be reached by the end of 2021. The CDC is also studying booster shots to increase effectiveness.	As of 22 June, China had administered 1.07bn doses (equal to 56% of population but includes second doses) at an average daily pace of 21.2mn doses over previous week. Recent outbreaks in Anhui, Liaoning, and Guangzhou provinces appear to be contributing to a decline in vaccine hesitancy.	Regulators have approved five domestic vaccines; Sinopharm Beijing , Sinopharm Wuhan , CanSino Biologics , Sinovac Biotech , and Anhui Zhifei Longcom Biopharmaceuticals . Fosun Pharmaceutical reached a deal with BioNTech to build a factory in Shanghai to produce Pfizer/BioNTech vaccines.
Saudi Arabia	Focus on maximizing number of people with at least one vaccination; at this point, second shots are reserved for high-risk groups. On 23 Jun Saudi Arabia approved the use of two different Covid-19 vaccines for the first and second dose to speed up the program. Proof of vaccination required for many public events and activities from 1 Aug.	The vaccination program began on 17 Dec. As of 23 Jun, 16.4mn doses have been administered (45% of population has received at least one dose). The health ministry has reassured those over 60 and priority groups that they will receive second doses. Citizens must register on the "Sehhaty" application to receive a vaccine.	Pfizer-BioNTech , Moderna , J&J , and AZ approved for administration. Sputnik V – government has secured an unknown number of doses.
Czech Republic	Since 1 Jun, all residents aged over 16 are eligible for vaccination. Adolescents aged 12-15 years-old will be able to register for vaccination starting 1 Jul. Amid the spreading Delta variant, the Ministry of Health considering shortening the period between administering the two doses of the Pfizer-BioNTech vaccine.	Vaccinations started on 27 Dec. As of 22 Jun, 4.7mn residents (44.2% of population) have received a first jab and 2.5mn (23.7% of population) have received both shots. 81% of immunizations carried out with Pfizer-BioNTech vaccine; 9% with AZ; 9% with Moderna and 1% with J&J.	Procurement has been conducted exclusively via the EU. Government expects to receive 3-3.2mn of vaccine doses in June. Until 22 Jun, a total of 8mn doses of vaccines delivered: Pfizer-BioNTech – 6.35mn; Moderna – 746,400; AZ – 754,100; J&J – 133,100.
Turkey	Vaccination program divided into four stages, starting with medical personnel, pharmacy workers and the over 65s, followed by members of the security forces, teachers, those working in the food industry and transportation, and then Stages 2 and 3, the 50-64 and 18-49 age groups respectively. On 23 Jun, Turkey began vaccinating segment B5, the 25-29 age group, of Stage 3. The government's target is to vaccinate all adult residents by Sep.	Vaccine roll-out started on 13 Jan with Sinovac. On 2 Apr, vaccinations also began with the Pfizer-BioNTech vaccine. As of 22 Jun, 43.55mn doses had been administered, with 28.98mn (34.7% of population) people receiving a first dose and 14.57mn (17.4% of population) receiving two doses. A fresh supply of Pfizer-BioNTech vaccine resulted in a rapid acceleration in the program in Jun, which is expected to continue in Jul.	Sinovac – approved by regulator and roll-out started; agreement for 100mn doses, of which 34.5mn delivered by 22 Jun. Pfizer-BioNTech – approved by regulator and roll-out started; agreement for 120 mn doses, with 19.5n delivered by 22 Jun, another 15mn due by the end of Jun. Sputnik V – approved by regulator; agreement for 50mn doses with the first deliveries expected in late Jun. Turkey has not joined COVAX .

	Vaccination strategy	Current state of vaccine roll-out	Procurement
Brazil	<p>Phase 1: health workers; indigenous communities in demarcated territories; over 60s in care institutions; over 75s.</p> <p>Phase 2: 60-74s seniors.</p> <p>Phase 3: persons with comorbidities.</p> <p>Phase 4: education workers, homeless population, security and rescue forces, others.</p> <p>Phase 5: 59-18 gradually.</p>	<p>As of 22 June, 30.4% (64.4mn) of the population has received the first dose of Covid vaccines. Meanwhile, 11.5% (24.4mn) have been vaccinated with both doses.</p>	<p>AZ – 100.4mn doses expected to be delivered in Jul., 210mn by year-end.</p> <p>CoronaVac – 10mn doses expected in Jul. Another 130mn doses by year-end.</p> <p>Pfizer – 15mn doses expected to be delivered in Jul. 100mn by year-end.</p> <p>J&J – 38mn doses expected to be delivered in Q4.</p> <p>Sputnik V – On 4 Jun., ANVISA (health regulator) approved the conditional import of the vaccine for 9 states. 10mn doses expected by year-end.</p> <p>India's Covaxin – purchase of 20mn doses under ANVISA's conditional import rules.</p> <p>COVAX – minimum 10% of population quota (42mn) doses. WHO to provide 10-14mn doses that will be distributed from mid-Feb to Jun. 2mn AZ expected in Jul.</p> <p>ButanVac – currently on trial. 100mn expected by year-end.</p>
Argentina	<p>Health sector personnel first in line for vaccine, followed in descending order by over 70s; over 60s; security personnel; vulnerable and at-risk in 18-59 age range; education sector; and strategic or vulnerable groups.</p>	<p>Sputnik V vaccinations started on 29 Dec. As of 22 Jun, 14.7mn first doses have been administered (representing 32.6% of population) while 3.7mn people (8.3% of population) have received two doses.</p>	<p>Sputnik V – agreement for 30mn doses; local production set for imminent start.</p> <p>AZ – contract for 23.6mn doses, though most of this to be produced locally in conjunction with Mexico.</p> <p>Sinopharm – agreement for 4mn doses, of which around 3mn have now been delivered.</p> <p>COVAX – approx. 1mn doses have been delivered; the government has been criticized for ordering only 20% of its Covax entitlement.</p>
South Korea	<p>Vaccination campaign started on 26 Feb. Goal to vaccinate 13mn people, or 25% of population, with two doses by end-June and 70% with two doses by November 2021.</p>	<p>As of 21 Jun, 7.6% of the population have been fully vaccinated; 27.7% of the population have received at least one dose.</p> <p>New virus cases in 500s daily this week, despite increased vaccination efforts. Local governments offer incentives for vaccinations.</p>	<p>The government has signed agreements to procure enough doses to vaccinate the entire population, but many deliveries are delayed until Q3 or Q4, leading to a summer shortfall.</p> <p>AZ – 20mn doses</p> <p>Pfizer-BioNTech – 20mn doses, 2.6mn more doses of Pfizer vaccines will arrive by end-June.</p> <p>Moderna – 40mn doses.</p> <p>J&J – 6mn doses.</p> <p>COVAX – 20mn doses.</p> <p>Novavax – production began in April 2021, 20mn doses scheduled to roll out by September 2021.</p>

	Vaccination strategy	Current state of vaccine roll-out	Procurement
India	From 1 May, everyone above 18 is eligible for vaccination. From 21 Jun, all vaccines from government health facilities have been declared free of cost. The federal government alone is now in charge of vaccinations and is allocating vaccine supplies to states according to demand assessments. All import curbs on foreign vaccines have been lifted and import duties have been waived. While the target to vaccinate everybody above 45 without comorbidities is yet to be realized, the vaccination process has picked up pace.	Vaccine roll-out began 16 Jan. As of 20 Jun, India has administered 274mn vaccine doses in total – 14% of the population. 49.7mn people are fully vaccinated, which is 3.6% of the population. The number of Covid-19 new infections rate is dropping. India has halted AZ vaccine exports to cater to domestic demand. The export of drug Remdesivir and diversion of oxygen to any use other than medical has been banned. Some taxes on inputs in vaccine manufacture have been lowered.	All vaccines are now free to be used in India, whether Indian or foreign, as long as they have been certified as safe in the country of origin. Import duties have been waived. However, Pfizer wants an assurance of indemnity before it supplies doses to India. This is under negotiation. Russia's Sputnik V will also be available in June. Both Pfizer-BioNTech and Moderna have announced that they will supply the vaccine only to the federal government rather than to state governments directly. Supplies of vaccines have improved dramatically after the federal government took charge.
Mexico	Frontline medical workers first in line followed by the over 60s age cohort; plan to vaccinate all this sector by end-April pushed back to end-May, but still not met. Government wants all adults to have been offered a vaccine by October.	Vaccinations started 24 Dec. Roll-out stalled mid-Jan to mid-Feb but subsequently resumed with new vaccines from wider array of suppliers. As of 21 Jun, 11.1mn people (8.7% of population) have received one dose of the vaccine, with a further 17mn people (13.4% of population) fully inoculated.	AZ – agreement for 77.4mn doses. US has supplied Mexico with 2.7mn doses from its AZ supply. Pfizer – 34mn doses ordered; 19mn delivered as of 22 June. CanSino – 35mn doses agreed. Sputnik V – agreement for 24mn doses, with local production expected soon. COVAX – 51.5mn doses agreed; Sinovac – agreement for 20mn doses. Sinopharm – agreement for 12mn doses though local regulatory clearance pending.
Colombia	Plan is to vaccinate 70% of the population (35mn people) by end-2021. Medical personnel first in line, followed by elderly and clinically vulnerable. Target is to vaccinate 26mn by end-July.	Vaccination campaign started on 17 Feb with Pfizer vaccine. As of 22 Jun, 10.3mn people (representing 20.5% of population) have received a single dose, with 4.9mn people (9.9% of population) having received two doses. Government under pressure over slow start to vaccination campaign, though daily vaccinations have subsequently accelerated.	Pfizer-BioNTech – agreement for 15mn doses. AZ – 10mn doses agreed. J&J – agreement for 9mn doses; local regulatory clearance granted. Sinovac – agreement for 7.5mn doses. Moderna – agreement for 10mn doses. COVAX – agreement for 20mn doses.
Russia	Vaccination available to all citizens. Immunization target: 68.6mn people. In some regions, authorities are introducing compulsory vaccination for certain occupational groups (employees in state institutions and companies, workers in the services sector etc.). The testing of Sputnik V vaccine on young people aged 12-17 years-old is set begin in early July.	Vaccinations started in early Dec. As of 22 Jun, an estimated 19.9mn residents (13.6% of population) received at least one jab and 15.5mn (10.6% of population) were fully vaccinated. Compulsory vaccination could speed up the process in the coming weeks.	Russia relies solely on domestically developed vaccines: Sputnik V , EpiVac , CoviVac and Sputnik Light . Government expects that Sputnik V production outside Russia will reach 5-6mn doses per month starting July.
Indonesia	Frontline healthcare workers estimated at 1.3mn have been vaccinated first, followed by security personnel, then 17mn teachers; working age 15-59 are also now being vaccinated, ahead of the elderly simultaneously. Vaccines procured by central government and distributed; free, not mandatory. Government is allowing the private sector to purchase vaccines for their employees, and their vaccination could start in June.	Second phase of vaccination has started, focusing on the elderly and the active workforce. As of 21 June, a total of 35.9mn shots have been administered, with 12.39mn (13.28%) of the population fully vaccinated and another 11.13mn (4.58%) on their first jab.	Sinovac – 125mn doses; Pfizer-BioNTech – 100mn doses; Novavax – 100mn doses; COVAX initiative – 100mn doses; AZ – 100mn doses; private sector importation unknown.

	Vaccination strategy	Current state of vaccine roll-out	Procurement
Peru	Phase 1 focused on medical and other frontline emergency personnel, including election staff. Phase 2 focused on over 60s, those with co-morbidities, and indigenous population. Caretaker government has revised down its original goal and now wants 4.65mn people vaccinated by 28 July when handover to new government is scheduled; government also says it will leave sizeable stock of vaccines for incoming government.	Nov 2020 political crisis interrupted procurement process, but caretaker government accelerated procurement efforts from early 2021. Vaccinations using Sinopharm vaccine started 9 Feb. Pfizer vaccines now also being administered. As of 22 Jun, 3.9mn first doses have been administered (representing 11.9% of population). 2.5mn people (7.8% of population) have received two doses.	Sinopharm – contract for 38mn doses. AZ – agreement for 14.4mn doses to arrive from Sep. Pfizer-BioNTech – original agreement for 20mn doses recently expanded to 32mn doses. COVAX – agreement for 13.2mn doses, of which around 400,000 doses have arrived. Ongoing talks with J&J (5mn doses), Russia's Gamaleya Institute (for 10mn Sputnik V doses), Moderna (12mn doses), Sinovac (7mn doses), and CureVac .
Malaysia	Frontline medical workers, police and army officials are being prioritized in the first stage of the vaccine roll-out. The second phase that started 19 Apr and which will run through August will involve senior citizens, high-risk groups with co-morbidities and the disabled. The third phase starting in May will cover all adults above 18.	As of 21 Jun, a total of 6.51mn shots have been administered, with 1.67mn (5.22%) fully vaccinated and another 2.71mn (8.51%) still on their first shot.	Pfizer-BioNTech – 32mn doses secured; Sinovac – 12mn doses; AZ – 6.4mn doses via COVAX facility and another 6.4mn contracted directly; Sputnik V – 6.4mn doses; CanSino Biologics – 3.5mn doses
Thailand	In the first phase, the priority will be the elderly, frontline healthcare and social workers and those with co-morbidities. The second phase will focus on provinces with the highest Covid incidences. However, there are two special cases – companies will be allowed to import and distribute vaccines and tourism areas such as Phuket are being accelerated.	As of 19 June, a total of 7.59mn shots have been administered, with 2.1mn (3.02%) having been fully vaccinated and 3.39mn (4.86%) on their first jab.	Sinovac – 2mn, but the country is negotiating for an additional 6mn doses. AZ – 61mn (imported and local joint venture)
Philippines	Vaccine roll-out started in March with high risk groups such as healthcare workers; workers in education, social welfare agencies; law enforcement and military personnel; the poor; senior citizens; other vulnerable populations. Private sector is allowed to import vaccines, although some are required to make counterparty donations. The private sector importation may make up the bulk of Q2 and Q3 vaccinations. In the capital, citizens who by the nature of their work must venture outside their homes are now being vaccinated.	As of 21 June, a total of 8.41mn shots have been administered, with 2.15mn (2%) of the population fully vaccinated and 4.1mn (3.8%) still on their first shot.	The Philippine government has ordered 113 million doses from five vaccine manufacturers: Sinovac - 26mn doses, Sputnik V - 10mn, Moderna - 20mn, AZ – 17mn, Pfizer – 40mn. Several million Novavax doses imported by the private sector are expected in the fourth quarter.
Kenya	Kenya plans to inoculate 50% of its 50mn population by Jun 2022. Priority to be given to frontline medical workers, elderly, essential workers (police, teachers, students, immigration officials), workers in hospitality sector, people with comorbidities, people in informal settlements.	First 1.02mn AZ/COVAX vaccine doses arrived 2 Mar. Rollout began 5 Mar but supplies were exhausted by Jun as India's export restrictions delayed further AZ/COVAX deliveries. As of 20 Jun, vaccination levels had plateaued at 1.85% of population.	Kenya is reliant on COVAX (24mn doses). AZ vaccines donated by India (100,000), Denmark (358,700), South Sudan (72,000), DRC (70,000). Amid COVAX delays, government plans acquisition of 30mn J&J doses, plus orders from Chinese manufacturers, Pfizer and J&J, some under the African Vaccine Acquisition Task Team (AVATT) initiative.
Egypt	All citizens are allowed to register for a vaccine, with medical staff, elderly, and those with chronic illnesses having priority.	Egypt has administered an estimated 3.2mn vaccines, representing 3.1 per 100 people. Approximately 0.36% of the population has been fully vaccinated. Reporting has been incomplete and sporadic. Egypt is charging patients for vaccinations, in contravention of global trends. Institute for Health Metrics and Evaluation at the University in Washington estimated in May that Egypt has undercounted Covid deaths by a factor of more than 12.	COVAX – agreement for 20mn doses of AZ vaccine. Sinopharm – agreement for 40mn doses; 350,000 reportedly received. Pfizer-BioNTech – contracts reportedly signed for 20mn. AZ – agreement for 30mn doses Sputnik V – 25mn have been secured. Egypt has also signed agreements to manufacture Sputnik V and Sinovac vaccines domestically, with production of 60mn doses of the latter promised to start in June 2021.
Taiwan	Priority groups (868,000 people): health care personnel; essential workers; nursing home staff; military; social welfare workers. Outside priority groups, individuals can obtain a limited supply of vaccinations through a self-paid program if they intend to travel abroad (excluding tourism).	As of 21 Jun, 1.62mn doses administered (equal to 6.8% of population but includes second doses). Daily pace of 108,751 over the last week.	20mn doses ordered: Taiwan had received 860,000 doses through early June, mostly AZ . Japan delivered a further 1.24mn AZ doses on 4 June as a donation. The US will donate an additional 750,000 doses, but the delivery timeline is unclear.

	Vaccination strategy	Current state of vaccine roll-out	Procurement
South Africa	Plans to vaccinate 40mn people by Feb 2022, but rollout slow. Phase 1: ca. 1.25mn frontline medical workers; Phase 2: people over 60; plans to expedite vaccination of teachers, police, while originally planned vaccination of those with comorbidities delayed; Phase 3: remaining adult population.	Limited "implementation study" rollout of J&J vaccine started on 18 Feb. Phase 2 started on 17 May. Pfizer vaccines arriving in large quantities, but J&J vaccines held up by US FDA investigation. As of 19 Jun, 3.61% of population had been vaccinated.	South Africa has pivoted from relying on COVAX to two manufacturers, J&J and Pfizer. Deliveries ramped up from May but largest volumes due in Q3/4. J&J – 31mn doses Pfizer-BioNTech – 30mn doses Vaccine uptake from AVATT and COVAX uncertain.
Pakistan	From 3 June, the country began vaccination of 18 year olds and above. Vaccine registration for those above 40 opened on 27 April. Meanwhile, walk-in vaccination is available for those above 50. Those above 65 and frontline workers are still being vaccinated. The country is reporting a fall in positivity rates and a decline in new infections. It aims to vaccinate 70mn people by December 2021.	As of 19 Jun, 12.75mn doses have been administered and 5.77mn people are fully vaccinated (1.5% of the population).	Emergency use permission given to AZ , Sinopharm and CanSino . Both Chinese vaccines are currently undergoing clinical trials. Four more vaccines in the pipeline. The first batch of COVAX vaccines has been received. Pakistan is working on developing a new nasal vaccine with CanSino , a Chinese manufacturer. On 4 June, it announced the successful manufacture of CanSinoBio , a single-dose vaccine produced with technology from China. On 21 Jun, Pfizer-BioNTech announced it will provide 13mn doses to the country in the course of 2021
Nigeria	Vaccination targets: 40% of population in 2021, 70% by end-2022. Healthcare personnel; people over 50; people with underlying health conditions to be prioritized. Most heavily affected states will be prioritized in allocation of doses.	First batch (3.9mn doses) of AZ vaccine supplied by COVAX arrived 2 Mar; second batch of similar volume expected by early August. As of 22 June, 2.23mn people (0.95% of population) had received their first jab.	20% of vaccines supposed to be supplied through the COVAX initiative. Government expects total of 58mn vaccine doses from COVAX (16mn) and the African Vaccine Acquisition Task Team (AVATT, 42mn). Government also expressed interest in procuring Sputnik V and/or Sinovac/Sinopharm vaccines.

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